

**CULTURAL RESOURCE MANAGEMENT PROGRAM
AT FORT CAMPBELL, KENTUCKY
2019**

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Report Submitted to:
IMCOM-Readiness
Installation Management Command
Fort Sam Houston, TX

Advisory Council on Historic Preservation (ACHP)
Washington, DC

Kentucky Heritage Council
State Historic Preservation Office
Frankfort, KY

Enclosures:

Attachment 1: Personnel Qualifications

Attachment 2: REC 19-120: TA-40 Bunker Construction Fieldwork Document

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Introduction

In accordance with Stipulation (J.1.a.) of the *Amended Programmatic Agreement Among the United States Army, The State Historic Preservation Officer of Kentucky and the State Historic Preservation Officer of Tennessee regarding the Operation, Maintenance, and Development of The Fort Campbell Army Installation at Fort Campbell, Kentucky* (Amended December 2019), an annual report of all Army projects and activities carried out on the Kentucky portion of Fort Campbell, and reviewed by the Fort Campbell Cultural Resource Management Program (CRMP) must be submitted to the Advisory Council on Historic Preservation (ACHP), Installation Management Command-Readiness (IMCOM), and the Kentucky State Historic Preservation Office (KY SHPO). The following report includes a list of projects and activities that have been reviewed for possible effects to historic properties, a determination of those effects, a summary of mitigation and/or treatment measures, and a summary of consultation activities performed by the CRMP in Christian and Trigg Counties, Kentucky.

Planning

Integrated Cultural Resource Management Plan

Fort Campbell CRMP has finalized the Integrated Cultural Resource Management Plan (ICRMP) after input from the TN SHPO, Tribes and Public in May 2013. Fort Campbell will be completely updating the ICRMP to incorporate updated review procedures upon signature of a new Programmatic Agreement with both states and ACHP. The new Programmatic Agreement (PA) is expected to be finalized within the 2021 calendar year. Until that time, the ICRMP will be reviewed and updated annually. The yearly review of the ICRMP was completed in December 2019. The annual review of the ICRMP included updates to NRHP statuses of identified archaeological sites and a list of projects completed by Fort Campbell. The review also included updated contact information for pertinent Fort Campbell personnel, tribal contacts, and preservation office contacts. The annual update is uploaded on the public Fort Campbell Cultural Resources website for public access.

Programmatic Agreements

Fort Campbell has two programmatic agreements for operations that were amended in December 2019 to extend the agreement through December, 2020. *Programmatic Agreement Among the United States Army, The State Historic Preservation Officer of Kentucky and the State Historic Preservation Officer of Tennessee regarding the Operation, Maintenance, and Development of The Fort Campbell Army Installation at Fort Campbell, Kentucky* (Effective January, 2009) covers undertakings across the installation. The agreement outlines proper procedures and regulations for managing all undertakings on the installation. IMCOM is currently working to develop a standardized PA template for all Army IMCOM installations. Fort Campbell will continue to operate under the existing agreement, amended as necessary until the standardized template is developed. Fort Campbell will then begin the consultation process to develop a PA in the new format to comply with the NHPA.

Fort Campbell has an additional Programmatic Agreement *Programmatic Agreement Between Fort Campbell and the Tennessee State Historic Preservation Office Regarding Development,*

Construction and Operations at Clarksville Base Historic District (Effective January, 2009) for undertakings within the Clarksville Base Historic District in Tennessee. This agreement was amended in December 2019 and is now valid through December 2020. The CRMP plans to include management of the Clarksville Base Historic District in the new programmatic agreement for base operations. A separate annual report is submitted for undertakings at Clarksville Base Historic District to the TN SHPO.

Staffing

In July, 2018, Installation Management Command (IMCOM) Readiness Director disapproved a new contract providing on-site Cultural Resources services at Fort Campbell. The Director determined that the contract violated Title 10, Section 2461 of U.S. Code prohibiting converting functions designated for performance by DoD civilians to contractors. The contract supplying three (3) Secretary of the Interior (SOI) qualified Archaeologists to complete the majority of the requirements in this Programmatic Agreement ended on September 12, 2018. Fort Campbell has created and filled a new permanent government position to help meet the workload requirements in January 2019. In September 2019, Fort Campbell entered into a Cooperative Agreement with Colorado State University (CSU) to supplement the on-site support of the Cultural Resources Program. One additional SOI qualified archaeologist, Mr. Michael Miller, began work on Fort Campbell in December 2019. The CV's of the all government and cooperator personnel who worked at the installation during the reporting period are included in Attachment 1.

The Cultural Resources Program was moved from temporary offices and facilities in 7135K&L to a newly constructed office in Facility 7610. The new building now houses the entire DPW Environmental Division Conservation Branch, including the Cultural Resources Program. All files, records, supplies and materials were consolidated into the new building and surrounding secure compound. All curated artifacts and associated records were moved as well to a new curation facility detailed later in this document.

Inventory

Overview

Inventory of resources is a requirement under Section 110 of the National Historic Preservation Act. Under stipulations B.4 and B.6 of the *Operations Programmatic Agreement* (OPS PA), the CRMP must conduct a comprehensive inventory of archaeological sites and historic buildings on the installation. The CRMP maintains an extensive GIS database to keep track of archaeological sites, historic sites, historic buildings, and cemeteries across the installation. This database organizes site information in a format that can be queried for various tasks, such as project review and assessment. This database is made available to researchers in accordance with distribution requirements stipulated in the Archaeological Resources Protection Act (1979).

Historic Buildings

The majority of Historic Buildings are characterized by being at least 50 years old, or older, from the current year. Therefore, as buildings approach the historic year range, they will need to be evaluated for NRHP eligibility to fulfill requirements of Section 110 of the National Historic Preservation Act.

Historic Buildings at Fort Campbell include facilities classified as World War II temporary buildings, residences originally constructed as part of the Capehart and Wherry Housing programs, Unaccompanied Personnel Housing, and structures that were used as Cold War weapons and ammunition storage. All of these buildings are more than 50 years old and are considered through nation-wide Program Comments that allows the demolition and alteration of these remaining building types at Fort Campbell. All buildings on the installation will be assessed for eligibility for listing in the NRHP as they reach 50 years of age as funds allow.

Architectural Evaluations

There were no architectural evaluations completed at Fort Campbell during the reporting year. Any architectural evaluations that are completed within the 2020 calendar year will be submitted to the KY SHPO upon completion.

Curation

Fort Campbell constructed a new curation facility to house all artifacts and associated records. The new facility is out of the flood danger zone, locked and in a secure compound, is climate and humidity controlled, and has an automatic fire suppression system and alarm. It is the determination of Fort Campbell that this facility meets the minimum requirements of 36 CFR Part 79: *Curation of Federally Owned and Administered Archaeological Collections*.

Archaeological Investigation

Overview

According to the OPS PA, areas that have been heavily disturbed and/or unsafe for survey are excluded from further archaeological survey. These areas include the Cantonment Area and Impact Areas. Some areas that have been previously inventoried for archaeological resources are being resurveyed due to various oversights and other documentation discrepancies of previous work. As funding is made available, more Phase I archaeological surveys and Phase II evaluations will continue at Fort Campbell.

New Contracted Phase I Surveys and Phase II Site Evaluations

A Phase I Archaeological survey of approximately 1,000 Acres is currently under contract with Fort Campbell. The fieldwork began in December 2019, and was completed in Early 2020 with the Draft report expected in July, 2020. Ongoing report reviews include an incomplete Phase I report from 2017. Due to a clerical error, comments on the Draft report were not received by the CRMP until after the end of the contract. Fort Campbell is currently working to address the comments in additional appendices and intends to complete the review in 2020.

No reports were forwarded to the KY SHPO for comment in 2019.

In-House Archaeological Survey and Evaluation

Fort Campbell Cultural Resources contract personnel also perform small scale Phase I archaeological survey and Phase II site evaluations. Phase I archaeological surveys are limited to five (5) acres in size, and occur on an as needed basis. These Phase II evaluations will be used to deliver eligibility determinations to the SHPO on sites that have been recommended as *Potentially Eligible* or *Not Assessed* by previous surveys. Survey information and site eligibility determinations will be forwarded to the KY SHPO upon completion.

No in-house archaeological reports were completed within Kentucky in 2019.

Project Review

National Environmental Policy Act (NEPA) Review

Fort Campbell primarily uses internal National Environmental Policy Act (NEPA) review as a clearing house for all projects within the installation. A critical part of the NEPA process is reviewing projects for potential effects to *Historic Properties*.

Record of Environmental Consideration (RECs)

The Record of Environmental Consideration (REC) is an Army process for internal review of proposed projects in accordance with NEPA. The REC requires multiple disciplines to review projects to determine and comment on potential impacts, including to Cultural Resources.

The CRMP reviewed 166 REC documents in Kentucky in 2019. Most frequently, the proposed undertaking was reviewed internally, in accordance with the OPS PA. Projects covered by RECs are those which are categorically excluded from more extensive analysis under NEPA and usually have no effect to *Historic Properties* or can be modified, through coordination with the CRMP, by the proponent to avoid effects to *Historic Properties*. The CRMP completes a “*Cultural Resources Comment Sheet*” for all RECs. Comment sheets describe, in detail, how an effect determination was made. All comment sheets are digitally signed by the Cultural Resources Program Manager or other government SOI qualified staff. All comment sheets are maintained at Fort Campbell and are available for review upon request.

According to Stipulation 2.a. of the OPS PA, the FTC-CRO staff may inspect small areas not adequately surveyed for archaeological materials to determine the level of disturbance and the likelihood of any significant archaeological sites remaining. One REC, 19-120: TA-40 Bunker Construction was reviewed in accordance with Stipulation 2.a. in Kentucky during calendar year 2019. After pedestrian and subsurface testing, it was concluded that disturbances had negatively impacted the integrity of the soils in the APE. These disturbances severely limit the likelihood of any archaeological materials existing within the APE. In addition, no cultural materials were recovered from the surface or from any of the shovel tests. The Fort Campbell Cultural Resources Program Manager has determined that the project will have *No Effect to Historic Properties*. A description of the fieldwork is included in Attachment 2.

A list of RECs reviewed and finalized by the CRMP is listed in Table 2. RECs are labeled by fiscal years; therefore, fiscal years 2019-2020 will be listed. All of the REC documents listed in

this section were determined to have *No Effect to Historic Properties*. RECs that required further Section 106 Consultation are highlighted within the list.

Table 2. RECS reviewed in 2019

REC # 19-	Title*
3	SMB 19-006, AR5-10, FY19-2 Stationing Action
4	Sanitary Sewer Rehabilitation
6	Install Concrete Coating in BLDG 7214
7	SMB 19-005, FY20-1 Stationing Actions
11	Gabriel Field East End and Reclamation Services
12	Replace Air Handling Units BLDG 6559
13	REC for Transfer of Lincoln School from DODEA to DPW
14	5th SFG(A) Modular Glass Shoothouse
17	Install Overruns on Runway 18-36
18	Rain Water Recovery System Modification
21	Observation Post 2M Training Site
22	Range 65A Decontamination - Simulation Training Site
23	Building 6306 Shower Installation
24	Range 101 Roof Repair
25	Install Mandatory Hold Signs
27	Repair and Resurface Screaming Eagle Motorcycle Range 1
28	Full Depth Reclamation of flexible pavement (FDR) Centerline Road
29	Enclose overhang on building 7226
31	Re-purpose RM 145
33	Range 31N
34	Range 42 Trench
36	Replace Floor Tiles, etc. Bldg 3069
37	Replace Floor Tiles, etc. Bldg 3071
38	Repair Storm Drain near Sewer Lift Station bldg. 7257
40	REPAIR AND RESURFACE 1-75 CAV MOTOR POOL
41	Construct Concrete Slab for ISU Container Storage
42	Construct Concrete Slab for POL Containers and Electrical Requirements.
44	Construct Concrete Slab for ISU Container Storage
45	Replace Concrete Floor High Bay Hanger #14
46	Automated Infantry Platoon Battle Course
48	Repair Fire Suppression Pipe bldg 7214

50	Nature Trail: Options 1 and 1-1
52	Demolish, repair and remodel Theaters 1 and 2 at Warrior Zone, Building 3910
53	Wildlife Supplemental Food Plots
54	Install Overruns Helicopter Runway 5-23
56	Install Overrun on Runway 5-23 CAAF
57	Install Tees and Piping in Grease Trap at 00097
58	Replace (3) Digital LED Outdoor Billboards
60	Sitework for 3BCT Maintenance Facility Realignment
61	Repair Building 7200, Suite 5
62	Mezzanine for Anderson Hangar Building 7268
63	Repairs to DFAC 4061
65	Repair Building 7299 Tidwell Hall
66	Rope Obstacle for 1-75 CAV
68	Repair/Restoration of Membrane Roof, Soldier Support Center, BLD 2702
71	HVAC REPAIR BLDG 4099
72	Construction of new entrance into parking lot for building 6102 Tennessee
73	5th SFG(A) Range 51 Road Network Construction / Repair
76	Install 250 kW DC solar photo-voltaic system, battery bank and building level Micro-grid
78	Repairs to 6924A
79	5th SFG(A) Turf Field Exterior Fitness Area
83	ITAM FY 19 Aerial Herbicide Management Plan - MOD
85	Installation of HVAC System in Computer Rooms in Building 6145
86	Replace the Chiller at BLDG 7277
87	Sinkhole repair in TA 43A
88	Install Two Multi-purpose Pits in the 1BCT footprint
91	Paint Booth Fire Suppression System BLDG 71004
93	Renovate Lucas Hall BLDG 7298
94	Armed Services Young Men's Christian Association (YMCA) License
96	Install Metal Roof Systems on BLDG. 6474 & 7504
97	SMB 19-033, FY20-2 Stationing Actions
98	Repair Fallout Near Storm Sewer Inlet BLDG. 4947
99	Grind tree debris at CAAF and reseed approx 5.6 acres
100	Paint Interior Walls of Bldg 80
101	Reset Building 7116

103	AR 5-10 Stationing Packet FY21-1 FORSCOM Units (IMCOM SMB 19-03)
105	Reset CYS Building 3066
106	Replace Natural Gas Pipe Fittings for Existing Pressure Washing System
107	Demolish Relocatables - FY19
108	2019 Railroad Maintenance Repairs
109	Install Bird nets on Commercial Vehicle Inspection Stations at Gates 7 and 10
110	Invasive Species Management
111	Demolish Relocatables - DPW
119	Renovate the Main Store Mall, Retail Area & Food Court @ the Exchange
120	TA 40 - Bunker Construction
121	Construct sidewalk to connect BLDG 2700 with Memorial Row
122	Microgrid Natural Gas Power Generation Plant-MOD
123	Survey to Construct a Larger VTC Studio BLDG 95
124	Future Tree Grinding at CAAF
129	Grind 2.17 acres on Runway 36
130	Barkley School Parking Lot
133	ITAM Maneuver Trail Maintenance
137	Maneuver Trail Maintenance /Reconfiguration - FP 44D
140	Repair and Re-coat the two Instrumented Landing Systems at CAAF
142	Replace drywall in laundry room and electrical closet
143	Replace Vehicle Gates at CAAF with K4 Rated Crash Gates
145	REPAIR AND RESURFACE PARKING LOT AT POST OFFICE
147	DIV. Parade Field Repairs
148	Clear trees along the CAAF fence line from CAAF Gate 3 to Post Gate 7
149	INSTALL FEMALE SHOWER IN BLDG. 71005
150	EXPANSION OF ALERT HOLDING AREA AND PAVE ROAD TO AIRFIELD
151	Paving Gravel Road Bldg 7258
152	Demo portion of wall in building 3222
154	Parking Lot Re-Striping
155	Construct fitness trail on north end of the installation
156	Facade Repair BLDG.098
157	5th SFG(A) Regrading motorpool expansion BLDG 6242
158	Install Concrete Foundation for Fuselages

159	Replace Sabre Tower Generator Bldg. 6639
160	Repair Parking Transition BLDG. 3219
161	CROSSWALK ON DESERT STORM
162	Replace Carpet and Tile in BLDG. 7038 & 7071
163	Replace the vehicle exhaust ventilation system in BLDG 6548 Auto skills
164	REINSTALL CONTROLS BUILDING 2840
165	BLDG 6991 Install Security Upgrades to Building
166	Install AC in Bldg 70300 Rm 125
169	Replace CAAF Swing Gate 9H with Cantilever Sliding Gate
170	Replace CAAF Swing Gate 9K with Cantilever Sliding Gate
173	Phase III Drywall repair and paint.
175	Convert Latrine to ADA Compliant Facility BLDG. 6555
176	Replace Guard Booth Bldg. 7198 Gate 7 Commercial Truck Inspection
177	Construct new PEB Warehouse for AFSBn (BLDG #6480) on 53rd and Wickham
178	Replace Inferred Tube Heaters Bldg 7262-7264
180	CAAF Medium Voltage Feeder Replacement
181	Repaint hanger doors at hanger 7152 and 7156
183	AR 5-10 Stationing Packet FY20-3 FORSCOM Units (IMCOM SMB 19-052)
186	Human Performance Training Center
192	PMO Concrete Sidewalk Construction BLDG. 6254
193	160th ASD FARP Storage building, Near BLDG. 7226
195	Install Generators at Buildings 2745 and 2747
198	Renovate BLDG 7170 to support Relocation of the Fuel and Oil labs
203	Beauty Salon with Nail Service BLDG. 99B
204	Lincoln Roof Repair BLDG. 3709
205	Repair Water Intrusion ALSE Shop Bldg. 7262
206	Add Dental Clinic to building 2740
211	Multi-Purpose Training Range - Rng 52
212	Multi-Purpose Training Range - MPTR 2
213	Renovate Library (Bld 38) Interior
214	AB3 TACAN Timber Harvest
215	License for Welding and Pipefitting and Sprinkler Trng for Bldgs 6096 and 7854
216	REPLACE RECEPTACLES IN CDCs

217	FY20-25 Pine Harvest
218	1BCT Tactical Fitness Concrete Foundation
220	2019 Spartan Race
222	Repair Bell Station Spur Road (FDR)
223	2ND BDE MOTORPOOL DRAINAGE
224	Y 20 ITAM Open Field Management
225	Replace Heating Boiler and Domestic Hot Water Heater, Bldg 7082 &7039
226	Repair Night Stalker Way (FDR
229	Prune Trees along Town Center
231	AR 5-10 Stationing Packet FY20-4 FORSCOM Units (IMCOM SMB 19-068)
235	POST-WIDE DITCHING AND SHOULDERING
236	Replace light bulbs at PX
REC # 20-	Title
2	Tree Grinding around the TACAN site at CAAF
3	Remodel Mud Rooms in Barracks bldg. 7094-7096
6	Replace Smoke Detectors in Barracks Post Wide
9	(MOD) Redesign HVAC BLDG 7269
10	AR 5-10 Stationing Packet 20-009 FCFCKY - FY21-2 FORSCOM Units
11	Replace Roof and Repair Interior Water Damage at Soldier Chapel
13	ATV/OHV Recreation Area RNG. 14A
14	Replace Underground Power for Parking Lot Lights
18	Construct Latrines and Office Space Bldg.6470
19	FY 20 Prescribed fire Management: Maneuver Areas
20	INSTALL CLIMATE CONTROL BLDG 7181
22	Demolition of Bldg. 3101
23	Demolition of Bldg 3304 and 3305
24	Demolition of Bldg 3112, 7105, 723
29	Simulants/Stimulants Training Operation
32	REPAIR POST WIDE STORM DAMAGE - FENCE REPAIR
33	5th SFG(A) BLDG 6220/RG 70 Asphalt Parking Lot
35	Replace the Cooling Tower BLDG. 3902
37	Repair Post-Wide Storm Damage Roof Repairs
38	5th SFG(A) Oasis DFAC/BLDG 2991

39	INSTALL MINI SPLITS BLDG 4054
40	Repair Post Wide Storm Damage - Siding and Gutters
44	Install irrigation system at Gate 4

* Titles come directly from the REC document and are named by the proponent. The names are copied exactly to ensure consistency and may have typographical and/or spelling errors from the original document.

Individual Section 106 Consultation

Under Stipulation C.2 of the OPS PA, when undertakings are not exclusively reviewed by Fort Campbell personnel, an individual Section 106 Consultation, per 36 CFR 800, with the KY SHPO must be performed before an undertaking can proceed. When a Section 106 Consultation is completed, it is forwarded to the SHPO for concurrence with the Army effect determination.

The CRMP completed one (1) formal Section 106 consultation with Kentucky with a finding of *No Effect to Historic Properties*. A list of individual Section 106 Consultations completed is listed in Table 3.

Table 3. Section 106 Consultations: REC Related

REC #	Title	Result	Date of Concurrence
19-222	Bell Station Road Rebuild and Resurface	Concurrence with <i>No Effect to Historic Properties</i>	September 24, 2019

Tennessee One Call

The Tennessee One Call is an automated system that notifies installation personnel of any underground digging that will occur on the installation, in both Tennessee and Kentucky. This automated system notifies callers of any underground utilities buried within the project area. The CRMP receives automated Tennessee One Call tickets, via email, referencing geographical locations for review for potential impacts to cultural resources. The CRMP has 72 hours to respond via the automated system prior to the beginning of the project. Most Tennessee One Calls are placed for repair and/or maintenance to utility lines and satellite television installation. The CRMP reviewed 1,509 Tennessee One Calls in 2019, all of which were determined to have *No Effect to Historic Properties*.

According to Stipulation 2.a. of the OPS PA, the FTC-CRO staff may inspect small areas not surveyed for archaeological materials to determine the level of disturbance and the likelihood of any significant archaeological sites are remaining. No Tennessee One Calls, in Kentucky, were reviewed requiring additional fieldwork in accordance with Stipulation 2.a.

Formal Correspondence

The CRMP also developed formal correspondence packages with the KY SHPO regarding activities not covered through REC documents or Section 106 Consultations. Correspondence packages are summarized in Table 4.

Table 4. Legal agreements sent between January 2019-December 2019

Title	Result	Date
<i>2020 Amendment extending Programmatic Agreement for Operation, Maintenance, and Development</i>	Signed	January 7, 2020* Received after normal reporting period
<i>2018 Annual Report required for Programmatic Agreement for Operation, Maintenance, and Development</i>	No response received	Sent: June 7, 2019

Major Projects

Parrish House Wind Damage

On October 26, 2019, Fort Campbell received extensive storm damage. Part of the damage included severely damaging and/or uprooting trees along the tree lined drive to the Parrish House (1501). This facility has been determined to be *Eligible* for listing in then NRHP. The tree lined drive is considered a contributing feature of the property. The CRMP is currently working with professional foresters to develop a plan to replace the trees as well as a long-term management plan to maintain the tree lined drive. This plan will be provided to the KY SHPO for comment upon completion.

NAGPRA Consultation

In 2018 Fort Campbell began the initial steps to complete its Sections 5, 6, and 7 requirements of the Native American Graves Protection and Repatriation Act (NAGPRA). This effort was facilitated by the U.S. Army Corps of Engineers Mandatory Center of Expertise (MCX) for the Curation and Management of Archaeological Collections (CMAC) in St. Louis, MO. The MCX reviewed all known NAGPRA subject materials and remains as well as all suspected materials and remains from the installation. Twelve (12) Federally Recognized Tribes were invited to participate in the NAGPRA process. A formal, in-person, meeting was held on February 21, 2018 at Fort Campbell to discuss and solicit information from the Tribes. Through consultation with the Tribes, Fort Campbell decided that the remains are *Culturally Unidentifiable* (CUI) in accordance with NAGPRA. The remains were determined to be most closely linked to the Cherokee people through treaty rights from the 19th Century. Fort Campbell is currently working on final reburial arrangements with the Cherokee Tribes. Fort Campbell also received permission to 3D scan a selection of the funerary items for potential future public interpretation and research activities.

Renovation of Lincoln Elementary

Lincoln Elementary School was replaced by a new, modern, elementary school on Fort Campbell. After all students were transferred to the new school, Fort Campbell had to decide to reuse or demolish the old school. Fort Campbell decided to reuse the school for

office/administrative space. In Accordance with Executive Order 13287: Preserve America, Fort Campbell determined the best way to preserve the NRHP *Eligible* Lincoln Elementary School was to adaptively reuse the *Historic Property*. The renovation of the elementary school to office space was reviewed under REC 18-124. Fort Campbell consulted with the Kentucky SHPO regarding the renovation to ensure that the renovations met the Secretary of the Interior's Standards for rehabilitation. The KY SHPO concurred with Fort Campbell's determination of *No Adverse Effect to Historic Properties* in a letter Dated October 10, 2018. Additional renovation requirement and hazardous materials abatement (asbestos) were discovered during the renovation in August, 2019. Fort Campbell contacted the KY SHPO regarding the changes and determined that the changes did not impact any contributing elements of the building.

Adverse Effect: 15TR257

In March 2013, the KY SHPO and ACHP were notified of an *Adverse Effect* to archaeological site 15TR257. In a letter dated April 25, 2013, the KY SHPO agreed with Fort Campbell's determination that site 15TR257 was *Eligible* for listing on the NRHP and that the impacts to the site constituted an *Adverse Effect*. In response to *Adverse Effect*, Fort Campbell is currently developing management strategies, in coordination with the KY SHPO, for inclusion in the new Programmatic Agreement for monitoring *Historic Properties* and all sites with human remains. The monitoring program will include all *Historic Properties* and sites with human remains once per year. All *Potentially Eligible* or unassessed sites will be monitored on a five (5) year rotation. These requirements will be formally codified in the new Programmatic Agreement and updated ICRMP.

Actions Not Reviewed by CRMP

There were no activities identified that occurred outside of the review of the CRMP in 2019.

Public Outreach

The CRMP staff has organized and participated in several programs and activities to promote awareness and stewardship of Cultural Resources at Fort Campbell in 2019. These events highlighted stewardship of Cultural Resources on the Installation and commitment of the US Army to preserving these resources.

Revised Cultural Resources Program Website

In September 2019, the CRMP went live with a new and revised public website for the Cultural Resources Program. The website has publically releasable information regarding archaeology, architectural history, cemeteries, and the Clarksville Base Historic District. The website is the primary means of making documents available for public access. The website also has a link to the documentary *The Barrens of Fort Campbell* developed with the Kentucky SHPO and the

Eastern Band of Cherokee Indians. The URL is:
<https://home.army.mil/campbell/index.php/cultural-resources>.

STEMposium

On March 21, 2019, Fort Campbell CRM staff participated in STEMposium, an event sponsored by the Fort Campbell High School. The annual event brings employers and professionals in the sciences and engineering professions to the High School to promote education and careers in these fields. The CRMP displayed unprovenanced artifacts from the teaching collection as well as the documentary entitled: *The Barrens of Fort Campbell*. CRMP Archaeologists distributed pamphlets about careers in Archaeology and discussed education and training requirements with numerous students.

Earth Day

On April 12, 2019, Fort Campbell CRM staff participated in an Earth Day event held on the installation at Werner Park. The event, sponsored by the Directorate of Public Works (DPW) Environmental Division, was attended by several hundred dependent children from local schools. The CRM staff displayed unprovenanced artifacts from the teaching collection and also had mock excavating activities to demonstrate field techniques for younger students.

TCPA Archaeology Day

On September 14, 2019, Fort Campbell CRM staff participated in Archaeology Day, an event sponsored by the Tennessee Council for Professional Archaeology at Bells Bend State Park. Fort Campbell provided blank, air dry clay discs as a medium to demonstrate precontact ceramic decoration techniques. Fort Campbell counted 133 participants at the booth.

Clarksville Civitan Club presentation

On September 4, 2019, Mr. Ronald Grayson, M.A., RPA, Fort Campbell Cultural Resources Program Manager, gave a presentation to the Clarksville Civitan Club in Clarksville, Tennessee. Mr. Grayson was invited to present to the Club by their President. The presentation entitled *Historic Preservation at Fort Campbell: A Basic Overview* provided a background on Historic Preservation legislation as well as some of the unique, significant properties on the Installation. The presentation was part of the organization's monthly meeting and was attended by approximately 30 people.

New Employee Introduction to Cultural Resources Management

In 2019 Fort Campbell developed a new presentation for recently hired government and contract employees of the Environmental Division. This presentation provides basic information about Cultural Resources management on Fort Campbell. The presentation, designed for non-specialists, gives a basic background of the roles, responsibilities, and requirements regarding *Historic Properties* on an Army Installation. The presentation has been given to approximately 20 new employees in calendar year 2019.

Intern Opportunity

From July to August, 2019, the Cultural Resources Program facilitated an intern assisting in research. The Intern, a dependent spouse, used their knowledge of genealogy and historic research to assist in identifying descendants of James Quarles. The intern also examined existing

information and databases to identify potential US Military Veterans buried in cemeteries on the Installation.

Public Requests for Cemetery Information and Visits

The Fort Campbell Cultural Resources Management Program periodically receives requests for information regarding cemetery information, genealogy, and cemetery access. The CRMP staff received a total of thirteen (13) requests for information about cemeteries in 2019. A total of ten (10) requests were for genealogical, photographic, or other currently available information. Three (3) requests were for descendants to conduct a site visit facilitated by CRMP personnel.

German Liaison Visit

On January 29th and December 10th 2019 Fort Campbell hosted visits by a contingent of German Army soldiers. The groups were conducting inspections of German POW graves currently on DoD property. The groups were part of the German liaison contingent stationed at Fort Benning, GA. During each inspection, their leadership expressed thanks in the diligence of the Army and Fort Campbell in maintaining the graves of their soldiers.

Ransom Family Reunion

On July 19, 2019, Ms. Laverne Ransom Brown, along with six (6) family members were escorted by CRM staff to Cemetery 33, archaeological site 40MT679, in Montgomery County, TN. The cemetery is the burial place of their ancestor, Sam Ransom. Site 40MT679 is the archaeological remains of the Ransom School, a Rosenwald funded school that the family believed to have been named after their ancestor. This visit was in conjunction with a larger family reunion in Clarksville.

Conclusion

With the pending update of the Programmatic Agreement and implementation of the ICRMP, the CRMP can foster consistent and appropriate methods for Cultural Resources management. The CRMP will be coordinating with the KY SHPO on Programmatic Agreement updates and ongoing archaeological investigations. The Fort Campbell Garrison has increased onsite support through a cooperative agreement with Colorado State University in 2019 to have the capability of maintaining a consistent level of Cultural Resources management that has been performed at the installation for over 30 years. The Fort Campbell Cultural Resource Management Program hopes for continued improvement and efficiency in the management of Cultural Resources within the installation boundary.

Ronald I. Grayson

Building 865, 16th Street
Fort Campbell, KY 42223
Email: ronald.i.grayson.civ@mail.mil

June 2020
Daytime Phone: (270) 412-8174
Evening Phone: (863) 257-3601

DEGREES RECIEVED

M.A. Anthropology (May 2004) Florida State University
Investigations Into Civil War Medicine Through Some Artifacts Recovered From The U.S. Army Transport Maple Leaf. Master's Thesis, Department of Anthropology, Florida State University, Tallahassee. Available online: <http://etd.lib.fsu.edu/theses/available/etd-04132004-163322>

B.A. Anthropology 1999, Florida State University (Minor Classics) with honors

PROFESSIONAL EXPERIENCE

2010- Present: Cultural Resources Program Manager, U.S. Army Garrison, Fort Campbell Kentucky. Responsibilities: Oversee 2 contract and 1 Civilian archaeologists in day-to-day operations. Review all levels of construction, planning, and design for effects to cultural resources. Develop SOW, cost estimates, and associated approval requirements for contracted cultural resources work to include: Routine Phase I and II archaeological and architectural studies, Phase III Data recovery, Alternative mitigation activities, Plan development, and on-site contract support. Responsible for managing over 1,700 known archaeological sites, NRHP eligible structures, objects, sites, and one Historic District. Manage approximately \$1M annual budget. Oversight of contract CRM work including archaeology, architectural history and Plan development. Develop and determined required funding for multiple Cultural resources contracts to meet ongoing and often unanticipated needs. Responsible for ensuring compliance with all Cultural Resources requirements on Fort Campbell including compliance with: NHPA, NAGPRA, ARPA, AR 200-1, DoDI 4715.16, 36CFR79, and other Federal Laws, Executive Orders, Army Regulations, etc. Negotiated with two SHPO (TN and KY) regarding project review, agreement documents, plan reviews, ongoing inventory/evaluations, and older previously unreviewed reports.

2008-2010 (August-October): Virginia Department of Historic Resources (SHPO), Office of Review and Compliance, Project Review Archaeologist, Historian/Archaeologist and Preservationist III. Responsibilities: Primary POC for project review for several Federal Agencies including: NASA, Corps of Engineers (Project and regulatory), DoD (all branches), TVA, OSM, and MMS. Reviewed a wide variety of proposed projects for effects to historic properties including roads, bridges, airports, dams, subdivision, etc. Determined what level of identification and evaluation was required. Reviewed and provided comments to Phase I, Phase II, and Phase III data recovery projects. Worked with proponents and interested parties to develop equitable resolutions to impacts to significant historic properties including NHL properties. Provided training on the NHPA to federal agencies on a regular basis. Served as a member of the NRHP evaluation team to collectively determine eligibility for listing in the NRHP of archaeological sites, structures, districts, and landscapes. Develop numerous NHPA agreement documents including MOUs, MOAs, and PAs. Assisted in updating the Monitor NMS management plan and was Virginia's representative on the NMS advisory council. Acted as the POC for underwater archaeology in the Commonwealth. Assisted in developing site forms for underwater resources including shipwrecks, landscapes, and submerged prehistoric sites.

2005-2008 (May-August): Cultural Resource Manager, Avon Park Air Force Range, Avon Park, Florida. Responsibilities: Manage the cultural resources for a 106,000 acre Air Force Range in Central Florida, NAGPRA compliance, Appointed Tribal Liaison Officer, Monitor construction/ground moving activities for effects to Cultural Resources, Writing and updating the Integrated Cultural Resources Management Plan, Supervising contract field crews, Develop SOW for contracts, Administering a \$300,000+ per year budget, Train Range personnel and contract employees about Cultural Resources concerns and responsibilities, Small Phase I cultural resources assessment surveys (large areas are contracted out), Curate recovered artifacts in compliance with federal guidelines, Review all proposed projects for effects to cultural resources, Section 106 SHPO and Tribal consultations. Assist in wildland fire program, Public outreach through public and professional presentations.

2004-2005 (May-February): Historic Sites Specialist, Florida Department of State, Division of Historical Resources, Tallahassee, Florida. Responsibilities: Reviewer of all Phase I, II, and III cultural resource assessment surveys and HABS/HAER documents in the State of Florida for Archaeological/Historical standards and state guidelines. Reviewed various, State and Federal permit applications for their potential impact to historic properties and determining level of survey or mitigation for each proposed project.

2003-2004 (August-April): Museum Technician, Curation laboratory, Southeast Archaeological Center, National Park Service, Tallahassee, Florida. Responsibilities: Artifact identification, cataloguing, storage, curation, and database management of archaeological collections from several Southeastern National Parks.

2003 (October): Hurricane Isabelle recovery, Jamestown, Virginia. Responsibilities: Remove entire NPS Jamestown artifact collection from damaged curation building for stabilization, conservation, and storage after the building was flooded from the storm surge of a major hurricane.

2003 (July): PaleoAucilla Prehistory Project, Apalachee Bay, Florida. Responsibilities: Dive supervisor, Crew member conducting surface collection, Transect survey, Recovery and identification of prehistoric lithic and faunal materials.

2002 (May-June): Flintlock Site Archaeological Investigation and shipwreck evaluation, conducted by Florida Bureau of Archaeological Research. Responsibilities Volunteer diver/archaeologist conducting Underwater transect surveys, Surface mapping of artifacts and ship remains, Artifact recovery and identification.

2001-2003 (May-August): Teaching Assistant and Field School Staff, excavation and recordation of Prehistoric Terrestrial archaeological sites and historic shipwrecks. Responsibilities: Conducted induction dredge excavation, Underwater transect surveys, Surface collection, Recordation of ship timbers, Mapping, Side scan sonar operation and interpretation, Sub-bottom profiler operation and interpretation, Magnetometer operation and interpretation, On-site and laboratory conservation of recovered artifacts, Management of survey crew, Training new students, Underwater video mosaicing, Underwater photo- mosaicing.

1995-1999 (August): Operations Specialist, United States Navy, E-5. Honorably discharged. Responsibilities: Radar navigation, Contact identification and avoidance, Combat scenarios, Damage Control, Shipboard firefighting, Quarterdeck watch, Preventative Maintenance, and Supervisor or junior enlisted personnel.

TEACHING/CLASSROOM EXPERIENCE

2008-2010 (August-October): Annual NHPA training for Federal agencies through the VA SHPO.

2007 (August-December): Adjunct Faculty, South Florida Community College, Dept. of Social Sciences, Avon Park, Florida. Instructor for ANT 2410 General Anthropology. Responsibilities: Develop a new course in Anthropology for the College, organize course material, lecture, access student information and correspondence through Blackboard, post lectures and notes to college Blackboard system, grade exams and papers.

2006-Present: Several public lectures on Archaeology, and history to local historical societies, archaeological clubs, and other community groups.

2002-2003 (January-April): Teaching Assistant for Dr. Michael Faught Florida State University, Dept. of Anthropology ANT 4131 *Techniques of underwater Site Research* class. Responsibilities: organize course material, lecture, schedule guest speakers, organize and supervise various projects and all activities throughout the semester, train students in underwater archaeological techniques, ethics, and theory, obtain permits, author grant proposals, produce archaeological reports, grade exams and papers, infield supervision of underwater archaeology fieldwork.

2001-2004 (August-December): Laboratory Assistant for Dr. Michael Faught Florida State University, Dept of Anthropology. Responsibilities: Organize and plan for ANT 4131 *Techniques of Underwater Site Research* class for 2002, 2003. Laboratory conservation of artifacts recovered from prehistoric and historic underwater archaeological sites.

PAPERS PRESENTED AT PROFESSIONAL MEETINGS

2016 (Sep): *Cherokee Archaeological Symposium*, Sponsored by the Eastern Band of Cherokee Indians Historic Preservation Office (Invited Speaker), Cherokee, NC.

R. Grayson "The Barrens of Fort Campbell; Collaborative Alternative Mitigation and Army Construction"

2014 (Jun): *Society of American Military Engineers (SAME)*, (Invited Speaker), Fort Campbell, KY.

R. Grayson "Historic Preservation, an Overview"

2013 (Oct): *Cherokee Archaeological Symposium*, Sponsored by the Eastern Band of Cherokee Indians Historic Preservation Office (Invited Speaker), Cherokee, NC.

R. Grayson "The Scout/RECCE Range at Fort Campbell Kentucky: an exercise in alternative mitigation for archaeological sites in a hazardous environment"

2007 (May): *Florida Anthropological Society*, Avon Park, FL.

R. Grayson "Avon Park Air Force Range, An Example of The Naval Stores Industry and The cycle of Land Use in Florida's Pine Forests"

2003 (May): *Florida Anthropological Society, Third Annual Conference on Underwater Archaeology*, Tallahassee, FL. R. Grayson "Identification and Interpretation of Ballast Piles and Scatters From Ballast Cove, Florida"

2000 (January): *Society for Historical Archaeology* annual conference, Providence, RI

R. Grayson "Identification and Interpretation of Ballast Piles and Scatters From Ballast Cove, Florida"

PUBLICATIONS (by genre)

Cultural Resource Management Reports and Plans

2013 Grayson, Ronald I., Amanda A. Gill *Phase II National Register of Historic Places Evaluation of Site 15TR257 and Historic Cemetery 15TR258 on the Fort Campbell Military Reservation, Trigg County, Kentucky*. Unpublished report on file at Fort Campbell and Kentucky

State Historic Preservation Office.

2007 Grayson, Ronald I. *Integrated Cultural Resources Management Plan, Avon Park Air Force Range Highlands and Polk Counties, Florida.* Unpublished report on file at Avon Park Air Force Range and Florida State Historic Preservation Office.

2006 Grayson, Ronald I. *Phase I Cultural Resources Assessment Survey of the Semiannual JIFE Mortar Firing Points Avon Park Air Force Range Highlands and Polk Counties.* Unpublished report on file at Avon Park Air Force Range and Florida State Historic Preservation Office

2006 Grayson, Ronald I. *Phase I Cultural Resources Assessment Survey of a Proposed Borrow Pond Avon Park Air Force Range Highlands and Polk Counties, Florida.* Unpublished report on file at Avon Park Air Force Range and Florida State Historic Preservation Office

2005 Grayson, Ronald I. *Phase I Cultural Resources Assessment Survey Mortar Firing Points North of Smith Grade Avon Park Air Force Range Highlands and Polk Counties, Florida.* Unpublished report on file at Avon Park Air Force Range and Florida State Historic Preservation Office

2002 Faught, Michael K., Melanie Damour-Horrell, Ronald Grayson and Amanda Evans. *Remote Sensing Survey for Obstructions in St. Andrew Bay, Panama City, Florida.* Unpublished report on file at Florida State Historic Preservation Office.

Published Book Reviews

2017 Grayson, Ronald I. Review of *Shipwrecked in Paradise: Cleopatra's barge in Hawai'i* by Paul F. Johnston. *Historical Archaeology* 51(4): 209-210.

2014 Grayson, Ronald I. Review of *The Archaeology of Watercraft Abandonment* Edited by Nathan Richards and Sami Kay Seeb. *Historical Archaeology* 48(2): 209-210. Accessible online at: <http://sha.org/wp-content/uploads/2015/08/48-2.pdf>

Popular Books/Websites/etc.

2016 *The Barrens of Fort Campbell.* Oversaw and contributed to a documentary Produced by Parsons Engineering, Inc. as part of mitigation. Developed in cooperation with Kentucky SHPO and Eastern Band of Cherokee Indians. Aired on Kentucky and Tennessee Public Television and provided to multiple museums and institutions. Video can be viewed at: <https://www.ket.org/episode/KBARR%20000000/>

2016 *Fort Campbell Cultural Resources Website.* Oversaw and contributed to the Official website for the Fort Campbell Cultural Resources Program. Worked in conjunction with State Historic Preservation Offices of Kentucky and Tennessee, Federally Recognized Tribal Offices, and historical societies to develop and updated website. Included website for Clarksville Base Historic District which involved in depth security review of nuclear development. Website at: <http://www.campbell.army.mil/Installation/Pages/Cultural-Resources.aspx>.

2010 Torelli, Brynn, Martha Doty Freeman. With contributions by Nancy Dale, Ronald I Grayson. *Kissimmee Island: A History of the Cattle Industry in South Central Florida.* Geo-Marine, Inc., Popular Books Series Number 5 for United States Army Corps of Engineers, Fort Worth District.

Non-refereed Publications

2001 Damour, Melanie, Christopher E. Horrell. Edited by Michael K. Faught. With contributions by William Hoffman, Ronald I Grayson. *Dog and St. George Islands Shipwreck Survey Report of Field Operations: March through July 2001*. Program in Underwater Archaeology Research Reports No. 14.

2001 Grayson, Ronald I. Edited by Michael K. Faught. With Contributions by Michael Arbuthnot, Zuleyha Gokay. *Report on the Shipwreck and Biological Survey Conducted on the Coast of Flemming Key, March 10-12 2001*. Program in Underwater Archaeology Research Reports No. 12

MEMBERSHIPS

Society for Historical Archaeology
Tennessee Council for Professional Archaeology
Kentucky Organization of Professional Archaeologists
Register of Professional Archaeologists

CERTIFICATIONS

YMCA Nitrox, Drysuit, Rescue diver, and full facemask certifications
40 hour certificate of training in Surface supply diving
Registered Professional Archaeologist (15557)
Meets the Secretary of the Interior's Professional Qualifications Standards in Archaeology
Maintains a SECRET security Clearance
Wildland Firefighter
Contracting Officer's Representative (COR)
Section 106 Essentials (ACHP introductory course)
USWS Weather Spotter
Cemetery Responsible Official, by Army National Military Cemeteries Command

SKILLS

Terrestrial archaeology field techniques
Underwater archaeology field techniques
Artifact identification
Microsoft® Word, Excel, Access and PowerPoint
Adobe® Photoshop and Illustrator
ESRI® ArcGIS, and ArcView 3.X
Side Scan Sonar, Magnetometer, and Sub-bottom profiler operation and interpretation
GPS Data Gathering
ARPA permitting and enforcement
Radar interpretation and electronic navigation
Seamanship and navigation
S-130-190 Wildland Firefighting
Contract development and administration
Management of Federal land
Basic understanding of NEPA, ESA, Sikes Act, and other legislation.
4x4 off-road driving
Cross cultural communication
Classroom and in-field teaching
Working knowledge of Latin and Japanese

Professional Experience:

Fort Campbell Cultural Resources Program

7610 East End Road
Fort Campbell, KY 42223

1/20/2019 – Present

Hours per week: 40

Fort Sam Houston Museum

2108 Wilson Way
Attn: ARNO-CS-MU
Fort Sam Houston, TX 78234 United States

07/2016 - 07/2017

Hours per week: 10

Volunteer Museum Technician

Duties, Accomplishments and Related Skills:

HISTORY: Researched archival images and online newspaper archives for the exhibit "Over Here: The Army in Texas and the Great War." Also researched installation historical events and specific museum artifacts for the museum's Facebook page.

ORAL COMMUNICATION: Provided customer service through tour briefings to museum visitors. Also represented the museum at the Texas WWI Centennial Commemoration meetings by briefing the museum's progress and vision for Centennial related exhibits.

PROBLEM SOLVING: Increased the museum's online presence through Facebook. This included revamping the previous Facebook page, posting regularly on topics of interest to the audience within the parameters of the museum's mission, creating a slideshow video of the exhibits for those who could not physically visit, and creating promotions to encourage more museum visits. The Facebook page's followers increased by 50%.

WRITING: Maintained the museum's Facebook page by writing weekly posts on specific artifacts, installation history and special events.

TECHNICAL COMPETENCE: Provided support to the museum director through conducting research, assisting in exhibit brainstorming and building, and other special assignments as needed. Created a budget and scope of work to reevaluate historic standing structures located installation-wide for both listing and removing from the National Register of Historic Places, specifically within previously designated historic districts.

Supervisor: Jacqueline Davis (210-221-1588)

Okay to contact this Supervisor: Yes

2nd Cavalry Regiment Reed Museum

Bldg. 342, Rose Barracks
Vilseck, Bayern Germany

11/2013 - 07/2014

Hours per week: 10

Volunteer Museum Technician

Duties, Accomplishments and Related Skills:

HISTORY: General knowledge of Regimental history.

PROBLEM SOLVING: Initiated and created general museum informational flyers for installation-wide disbursement to promote the museum to newly arrived soldiers/families and also to increase museum visitation. Initiated, created and maintained the museum's Facebook page to create an online presence which resulted in over 1,000 page followers. Made suggestions for museum improvement such as hands on exhibits for children, and creating text panels in Spanish, Czech and German to cater to the surrounding population.

WRITING: Edited and rewrote exhibit text panels. Wrote Facebook posts on specific museum artifacts and Regimental history.

Ballestone-Stansbury House

1935 Back River Neck Road
Essex, MD 21221 United States

01/2011 - 06/2013

Hours per week: 5

Volunteer Archaeologist and Administrative Assistant**Duties, Accomplishments and Related Skills:**

HISTORY: Conducted historic records research of the property and its previous owners using deeds, wills, historic newspapers and maps. Sources consulted included Maryland's Real Property Search database, Maryland's Register of Wills database, Ancestry. com, ARC GIS, consulting with the Maryland Historical Trust and the Maryland State Archives.

INFORMATION MANAGEMENT: Created an Excel database of the deed chain and subsequent owner/property information.

ORAL COMMUNICATION: Gave lectures to the general public on the prevalence of archaeology in Maryland to develop awareness to the importance of cultural resources. Briefed archival research results and cemetery survey results to board members. Provided customer service to museum visitors.

PROBLEM SOLVING: Created an online presence through the initiation, creation and maintenance of the museum's website and Facebook page. Also helped with administrative organization through the further development of the volunteer and membership programs (i.e. clear guidelines, duties, and administrative forms). Initiated liaison with State architectural historian to evaluate property lore against structural evidence.

TECHNICAL COMPETENCE: Conducted historic records research of the property and its previous owners using deeds, wills, historic newspapers and maps. Resources consulted included Maryland's Real Property Search database, Maryland's Register of Wills database, Ancestry. com, ARC GIS, consulting with the Maryland Historical Trust and the Maryland State Archives. Prepared a report of results from a cemetery location study.

WRITING: Prepared a report for a cemetery location study through the use of human detection cadaver dogs. Also wrote all museum promotional material such as flyers, Facebook posts and a website. Created all internal volunteer and membership forms.

KEY ACCOMPLISHMENT: Myth perpetuation resulted in the initiation of a cemetery location study to discern human burial locations on the property, but without funds for excavation. This resulted in consultation and partnership with the Bay Area Recovery Canines to conduct a survey using human detection cadaver dogs. Although survey results could not be verified through excavation, results were presented to the county in case of future property development.

Maryland State Highway Administration

707 N. Calvert Street

Baltimore, MD 21202 United States

04/2007 - 06/2013

Hours per week: 40

Archaeologist and Laboratory Director

Duties, Accomplishments and Related Skills:

HISTORY AND ARCHAEOLOGY: Conducted extensive research of 18th century clothing, the War of 1812 in Maryland, Civil War US Colored Troops, and African Spiritual Beliefs (Hoodoo). Research outlets included the Maryland State Archives, peer-reviewed articles, newspaper archives, genealogy databases, etc. Served as co-site director for Phase III excavations at 18-19th plantation of Connemara, 18th century sites of the Indian Queen Tavern, Magruder House and Market Master's House, and the 17th century site of Serenity Surprise. Conducted metal detection survey on the War of 1812 battlefield site of Caulk's Field, search for a British War of 1812 encampment at Serenity Farm and a search for the US Colored Troop Civil War encampment of Camp Stanton. Also served as laboratory director and oversaw artifact collection in the field, as well as washing, identification of historic period artifacts, inventorying, labeling and curation of artifacts in the lab according to the "Standards and Guidelines for Archaeological Investigations" by the Maryland Historical Trust, which mirrors the Department of the Interior issued "Curation of Federally Owned and Administered Archaeological Collections, (36CFR\$79).

INFORMATION MANAGEMENT: Created and maintained artifact catalogs in Microsoft Access. Created all field reporting paperwork and artifact bag logs. Prepared all lab and field records for permanent curation at the Maryland Archaeological Conservation Laboratory. Completed compliance reviews of minor undertakings in pre-existing Access databases.

ORAL COMMUNICATION: Gave professional papers at archaeology conferences as well as presented research during conference poster sessions. Gave general archaeology presentations to the public in the form of talks, booth discussions at public archaeology events, and internal agency training. Also manned the agency's booth during archaeology conferences to discuss current projects. Had to clearly communicate in order to provide hands on training to lab and field volunteers. Regularly updated department chief and project engineers regarding project's status.

PROBLEM SOLVING: Creating the ability to do research field projects within the department. I acquired the field equipment and maintained the field equipment needed, created the paperwork to record field observations, scheduling volunteers and trained them in basic field and lab methods, and oversaw the collection of artifacts in the field. Laboratory supplies were also obtained, created an artifact catalog system, scheduled and oversaw lab volunteers and processed all incoming artifacts.

TECHNICAL COMPETENCE: Created temporary artifact displays for public outreach events. Assessed the effects of minor highway alterations to both standing structures and potential archaeological sites under Section 106. Assessed sites for potential eligibility for the National Register of Historic Places during compliance reviews and during archaeological excavation. Analyzed archaeological data to write and present presentations at conferences as well as for final archaeological reports. Created and maintained artifact catalogs. Maintained a laboratory facility through equipment inventory and procurement. Assessed state owned property prior to sale for known and potentially unknown cultural resources as outlined by Section 106 of the National Historic Preservation Act. Attended Section 106 training. Developed training materials for lab and field volunteers. Participated in cultural resource public awareness initiatives through public archaeology events, online blogs, and Facebook page.

WRITING: Edited and contributed articles to the quarterly newsletter "CRAB: Cultural Resources Bulletin". Created a Baltimore tourism guide for the Society for Historical and Underwater Archaeology conference attendees as well as maintained the conference blog and Facebook page. Designed event marking and site/artifact interpretation materials,

field artifact identification guides and help design the 2012 Maryland Archaeology Month poster. Contributed an artifact chapter in 2013 Caulk's Field site report. Wrote Section 106 compliance reviews of agency undertakings to engineering access permits, minor highway projects, and state-owned property sales. Also created and maintained archaeological project blogs and Facebook pages as part of the agency's public outreach initiative.

KEY ACHIEVEMENT: Served as the local arrangements co-chair for the 2012 Society for Historical and Underwater Archaeology annual conference. Tasks included creating partnerships with local museums and restaurants to enrich conference attendees' visit. Also served as the conference social media co-chair. Created and maintained the first conference specific blog and Facebook page for the Society for Historical and Underwater Archaeology in efforts to draw attendees to an unpopular location. This resulted in the second largest attended conference at that time.

Supervisor: Julie Schablitsky (410-545-8870)

Okay to contact this Supervisor: Yes

URS Corporation

200 Orchard Ridge Dr.

Germantown, MD 20878 United States

06/2006 - 04/2007

Hours per week: 30

Archaeology Laboratory and Field Technician

Duties, Accomplishments and Related Skills:

ARCHEOLOGY: Conducted Phase I and II excavation of the Anderson Branch site (18MO595), a prehistoric quartz quarry site in Montgomery County, MD. Conducted Phase II excavation at the Octagon House in Washington, DC, an early Federal house which briefly served as the White House during the War of 1812. Conducted Phase I survey of the Westphalia Center Development Tract, Prince George's County, MD. Laboratory processed, cataloged and labeled prehistoric and historic period artifacts for curation according to the "Standards and Guidelines for Archaeological Investigations" by the Maryland Historical Trust, which follows the Department of the Interior/National Park Service issued, "Curation of Federally Owned and Administered Archaeological Collections, (36CFR§79).

INFORMATION MANAGEMENT: Cataloged artifacts into site specific Access databases. Recorded field excavation information on provided excavation forms. Recorded artifact provenience on field artifact bags. Prepared collection documentation for permanent curation.

PROBLEM SOLVING: Researching unidentifiable artifacts or narrowing an artifact's time period through the use of internet searches, reference books, typologies, or consulting local experts.

TECHNICAL COMPETENCE: Participated in Phase I survey and Phase II site evaluation of both historic and prehistoric sites including all aspects of field technician level work (i.e. hand excavation, mapping, data recording, provenienced artifact collection). Participated in all aspects of laboratory technician level work (i.e artifact washing, archival artifact storage, artifact labeling, artifact identification and cataloging).

Supervisor: Carey O'Reilly (240-683-5717)

Okay to contact this Supervisor: Contact me first

Education:

University of Leicester Leicester United Kingdom

Professional 12/2010

Major: Landscape Archaeology

Relevant Coursework, Licenses and Certifications:

Postgraduate Certificate via distance learning with classwork in Classical Landscapes, Archaeology of Standing Buildings,

University of Wisconsin-Milwaukee Milwaukee, WI United States

Master's Degree 05/2005

GPA: 3.64 of a maximum 4.00

Credits Earned: 39 Semester hours

Major: Anthropology

Relevant Coursework, Licenses and Certifications:

19th Century Archaeology (3), Historic Preservation and Archaeology (3), Maps as Historical Sources (3), Perspectives in Prehistory (3), Advanced Independent Study (3), Techniques and Problems in Archaeology (3), Research and Thesis (3) Survey of Cultural Anthropology (3), Linguistic Anthropology (3)

University of Wisconsin-La Crosse La Crosse, WI United States

Bachelor's Degree 05/2002

GPA: 3.23 of a maximum 4.00

Credits Earned: 121 Semester hours

Major: Archaeology **Minor:** History

Relevant Coursework, Licenses and Certifications:

Field Methods in Archaeology (6), World Archaeology (3), Ancient Literate Civilizations (3), North American Archaeology (3), Rise and Fall of Ancient Civilizations (3), Archaeology Lab Methods (3), Geoarchaeology (3), Language and Culture (3), Senior Project/Thesis (3), Introduction to Physical Anthropology (4)

Job Related Training:

Advisory Council on Historic Preservation's Section 106 Essentials Course, completed February 2013.

Affiliations:

Register of Professional Archaeologists – Member

Society for Historical and Underwater Archaeology - Member

Professional Publications:

2013 Archaeology of Caulk's Field, War of 1812 Battlefield Kent County, MD. Prepared by Julie M. Schablitsky, Richard G. Ervin and Nichole Sorensen-Mutchie. Prepared for the National Park Service American Battlefield Protection Program, Grant No. GA-2255-09-041.

2008 Phase I Archeological Survey of the East New Market Passenger Depot Relocation Area, Dorchester County, Maryland. Prepared by Nichole E. Sorensen-Mutchie and Gregory M. Katz.

2005 Where There's Smoke, There's Fire. A Historical Archaeological Investigation of the Peshtigo Fire's Impact at the Williamsonville Site (47DR241). Door County, Wisconsin. By Nichole E. Sorensen in fulfillment of Master of Science degree.

2005 Preliminary Report of the 2004 Excavations of at the Storrs Lake Site (47Ro388) by the University of Wisconsin – Milwaukee. Prepared by Daniel Winkler with contributions by Seth Schneider and Nichole E. Sorensen.

2003 Primary Archaeological Report of the US 18-Marquette Road Corridor Study: Prairie du Chien – Bridgeport, Crawford County, Wisconsin. Prepared by Ryan J. Howell, M.A, Barbara M. Kooiman, M.A., and Michael Kolb, Ph.D. with contributions by Leah Rosenow, Nichole E. Sorensen, Jiro Manabe and Elizabeth Tereba.

Additional Information:

Computer Software/ Relevant Online Program Proficiency

Microsoft Suite, Arc GIS, Adobe Photoshop, Ancestry. com, Facebook (for business), Instagram (for business)
Typing Speed: 58 words per minute.

Current Volunteer Activities

* Girl Scouts of Middle Tennessee Troop Leader. Fort Campbell, KY

Professional Presentations

2012 Taneytown Business Breakfast, Taneytown, MD

* Presentation on Cultural Resource Department at the Maryland State Highway Administration and examples of resources found within the state.

2012 Society for Historical Archaeology Conference, Baltimore, MD

* Poster presentation - "A Good House:" Recognizing Transitional Use Patterns at the Indian Queen Tavern Site.

2011 Ballestone-Stansbury House, Baltimore, MD

* Presentation on archaeology in Maryland.

2010 Mid-Potomac Chapter of the Archeology Society of Maryland, Rockville

* Presentation on War of 1812 archaeology in Bladensburg, MD.

2009 Mid-Atlantic Archaeology Conference, Ocean City, MD

* Poster presentation - More than Child's Play: A Ritual Explanation of for White Porcelain Toys in an African American Home.

2009 Society for Historical Archaeology Conference, Toronto, Ontario

* Paper presenter, Controversy, Compromise, and Closure along the Intercounty Connector Highway.

* Poster presentation- More than Child's Play: A Ritual Explanation of for White Porcelain Toys in an African American Home.

2008 Mid-Atlantic Archaeology Conference, Ocean City, MD

* Paper presenter, Connemara: A Contemporary Case of Myth Perpetuation.

2003 Midwest Archaeology Conference, Milwaukee, WI

* Paper presenter, Conservation of Historic Wrought Iron.

Michael J. Miller, M.A., RPA

(270) 412-1048 | michael.j.miller@colostate.edu

EDUCATION

- | | | |
|------|------|---|
| 2006 | M.A. | Experimental Archaeology, The University of Exeter, Exeter England. Thesis: An Experimental Study of Lithic Biface Manufacture: Toward Understanding the Perverse Fracture. |
| 2002 | B.A. | Archaeology, The College of Wooster, Wooster Ohio (with distinction). Independent Study: A Lithic Reduction Strategy of the Archaic: Manufacturing and Use Traces in the MacCorkle Bifurcate Tradition of Ohio. |

REGISTER OF PROFESSIONAL ARCHAEOLOGISTS

REGISTRANT ID: 37155412 (2015 – present)

PROFESSIONAL EXPERIENCE

CENTER FOR ENVIRONMENTAL MANAGEMENT OF MILITARY LANDS, FORT CAMPBELL, KY

CULTURAL RESOURCES SPECIALIST (December 2019 – present)

CEMML is a multidisciplinary team of natural, physical, and social scientists working with the DoD to inform management of natural and cultural resources consistent with achieving mission-specific goals. CEMML is part of Colorado State University.

Responsibilities: Serves as a cooperater staff archaeologist at Fort Campbell military installation. Provides support to the Cultural Resources Program staff to avoid, minimize, and mitigate potential adverse effects to historic properties. Maintains NHPA compliance and manages all sites and structures eligible for or included in the NRHP. Develops and reviews Section 110 and 106 compliance documentation. Assists in the review of documents to fulfill requirements per 36 CFR 79, 36 CFR 800, NEPA, ARPA, NAGPRA, PAs, MOAs, and AR200-1. Acts as Principal Investigator on Phase I and II fieldwork, writes reports, and submits site forms in Tennessee and Kentucky. Reviews archaeological and architectural reports from outside firms before submission to SHPOs. Supports Programmatic Agreements and Integrated Cultural Resources Management Plan. Provides site monitoring and historic cemetery assessments. Reviews utility location service calls (Tennessee 811).

Management Achievements:

- Created Access databases for archaeological site and cemetery monitoring tracking and data storage.
- Manages a technician performing field surveys, site monitoring, document preparation and record keeping.

TRC COMPANIES, INC. NASHVILLE, TN

ARCHAEOLOGIST (April 2019 – December 2019)

TRC is a leader in environmental, engineering, and applied technology throughout the U.S. Canada, the UK and China.

Responsibilities: On-call field technician for cultural resource projects in Tennessee and greater southeast. Assist with artifact analysis, lithic material identification, sampling, and processing collections. Work with field team to locate, excavate, and record archaeological resources.

MIDSOUTH CULTURAL RESOURCE CONSULTANTS, MURFREESBORO, TN

ARCHAEOLOGIST (February 2019 – December 2019)

Midsouth is a small cultural resource firm focusing on the archaeology of Tennessee, Kentucky, and surrounding states. Projects range from cell tower surveys to data recoveries.

Responsibilities: On-call field technician for NRCS, transmission line, cellular, and urban development projects in Tennessee and greater southeast.

NORTH WIND RESOURCE CONSULTING, INC. KNOXVILLE, TN

ARCHAEOLOGIST (May 2018 – December 2019)

North Wind Resource Consulting is centered on environmental and cultural resource documenting and permitting providing project design, engineering, and mapping services.

Responsibilities: On-call analysis of lithic artifacts, photography, report writing, and field work for U.S. Forrest Service projects in Tennessee, Alabama, Mississippi, and Missouri.

NEW SOUTH ASSOCIATES, INC. NASHVILLE, TN

ARCHAEOLOGIST (February 2017 – December 2019)

New South Associates is a women-owned small business providing cultural resource management services.

Responsibilities: On-call field technician and researcher for all phases of cultural resource management projects in Tennessee.

TRILEAF, ST. LOUIS, MO

ARCHAEOLOGIST (February 2018 – December 2019)

Trileaf is a client focused environmental, architecture, and engineering firm delivering consistency and short turn-around times.

Responsibilities: On-call field technician and research assistant for cellular projects in Tennessee.

GEO SERVICES LLC., KNOXVILLE, TN

ARCHAEOLOGIST (April 2016 – May 2018)

GeoServices is a cultural resources management and environmental consulting firm. Providing professional consulting services in the southeast.

Responsibilities: On-call analysis of lithic artifacts, photography, report writing, and field work for cultural resource management projects in Tennessee and greater southeast.

PAST, INC. MOUNT JULIET, TN

ASSOCIATE (November 2016 – January 2019)

PAST INC., is a cultural resources management and contract archaeology consulting firm. We provide professional archaeological consulting services throughout the United States.

Responsibilities: Oversees all cultural resource management projects based out of the Mount Juliet Tennessee office. Performs and supervises fieldwork from survey to data recovery, manages lab collections, writes reports and performs artifact analysis for Mount Juliet office. Assists with fieldwork and projects for all PAST INC offices.

AMEC FOSTER WHEELER, COLUMBIA, SC

ARCHAEOLOGIST (October 2015 – December 2016)

Amec Foster Wheeler designs, delivers and maintains strategic and complex assets across four key markets: Oil & Gas, Mining, Clean Energy, and Environment & Infrastructure.

Responsibilities: Assist project managers with all aspects of cultural resource investigations including developing probability and testing models, conducting background research and literature reviews, directing archaeological fieldwork, producing maps, writing reports, and making NRHP eligibility determinations.

EDWARDS-PITMAN, COLUMBIA, SC

ARCHAEOLOGIST (April 2015 – July 2015)

Edwards-Pitman Environmental Inc. is a sole-source provider of National Environmental Policy Act services and documentation.

Responsibilities: Phase I fieldwork for the Carolina Crossroads and I-85 Widening projects. Oversee fieldwork and lab processing, Trimble data management, site recording and mapping. Perform artifact analysis and photography, preparation of site forms, assist with report writing/editing, ArcGIS mapping, and curation of collections for EPEI SC office.

SOUTH CAROLINA HERITAGE TRUST PROGRAM, DARLINGTON, SC

ARCHAEOLOGIST (March 2015)

The Johannes Kolb Archaeological Site, located in the Great Pee Dee Heritage Preserve in Darlington County South Carolina, is a public outreach and educational site that provides opportunity in the community to experience archaeology.

Responsibilities: Taught archaeological excavation, mapping and field methods to students, volunteers, and the public at the Johannes Kolb site.

ARCHAEOLOGIST (March 2014)

Responsibilities: Taught archaeological excavation and field methods to students, volunteers, and the public at the Savannah Edge site. Assisted in processing of artifacts in the lab. Demonstrated and taught flintknapping to field school students.

DIACHRONIC RESEARCH FOUNDATION, COLUMBIA, SC

ARCHAEOLOGIST (January 2015 – March 2015)

Diachronic Research is a non-profit corporation dedicated to the study of South Carolina's past and people providing contract archaeology services.

Responsibilities: Analysis and photography of all stone tools from Hitchcock Woods in Aiken, South Carolina. Phase I shovel testing and delineation of several prehistoric and historic sites within 2,100 acres of forestland.

ARCHAEOLOGIST (December 2013 – February 2014)

Responsibilities: Phase I shovel testing and delineation of several prehistoric and historic sites within Bear Branch (SCDNR) Heritage Preserve. Assist with local fieldwork projects as needed.

R. S. WEBB & ASSOCIATES, CANTON, GA

ARCHAEOLOGIST (June 2014 – October 2014)

R. S. Webb & Associates is a Cultural Resource Management firm based in the southeast specializing in Section 106 compliance and all phases of data recovery.

Responsibilities: Phase II investigation of several prehistoric sites & Phase III mitigation of 38LA640, a 19th Century African-American Homestead site, for Halie Gold Mine Co. in SC. Assisted in fieldwork, lab processing, and analysis of artifacts.

UNIVERSITY OF SOUTH CAROLINA, COLUMBIA, SC

ARCHAEOLOGIST (February 2014 – April 2014)

The South Carolina Institute of Archaeology and Anthropology (SCIAA), founded by the State of South Carolina in 1963, operates as a research institute and a cultural resources management agency.

Responsibilities: Excavation of units and features at Camp Asylum, a Civil War POW camp, in downtown Columbia. Assisted in lab processing and analysis of artifacts.

ILLINOIS STATE ARCHAEOLOGICAL SURVEY (ISAS), AMERICAN BOTTOM FIELD STATION, WOOD RIVER, IL

ARCHAEOLOGIST (February 2013 – August 2013)

ISAS is an established contract archaeology division of the Prairie Research Institute at the University of Illinois that handles cultural resources projects for the IL Dept. of Transportation (DOT). The American Bottom Field Station is one of five ISAS regional offices.

Responsibilities: Assisted in the analysis over 1,000,000 terminal Late Woodland and Mississippian lithics recovered from excavation of the East St. Louis Mound Group - New Mississippi River Bridge project. Updated and expanded ISAS lithic sample reference collection. Proofed entered data for analyst error and applied corrections.

HICKORY HILL MUSEUM, THOMSON, GA

EXPERIMENTAL ARCHAEOLOGIST (July 2011, 2012, 2014, 2015)

Hickory Hill Museum offers a diverse range of interactive and educational programs, covering topics from History to Environmental Science tailored to achieve a variety of National and Georgia Performance standards.

Responsibilities: Taught two classes of 10 -16 high school students; courses encompassed flintknapping, atlatl and dart mechanics, bone working, and primitive paint manufacture in relation to local archaeology.

KENT STATE UNIVERSITY, KENT, OH

EXPERIMENTAL ARCHAEOLOGIST (2011 - 2012, 2014 - 2015)

Kent State University – Anthropology Department focuses on undergraduate studies and maintains a rigorous master's level program in archaeology.

Responsibilities: Acted as lead experimental archaeologist in the replication of Paleo endscrapers used in an experimental study of morphology, resharpening, and usewear formation in relation to artifacts recovered from the Nobles Pond Site (33ST357). Followed a strict methodology developed for the study while creating, using, and reworking endscraper replicas for this NSF grant funded research under Dr. Mark Seeman.

UNIVERSITY OF AKRON, AKRON, OH

LABORATORY ARCHAEOLOGIST / FIELD TECHNICIAN (2010)

The University of Akron – Anthropology Department teaches undergraduate level archaeology and acts as a cultural resource management unit for the Ohio MetroParks.

Responsibilities: Worked with the MetroParks of Portage Co. Ohio to provide archaeological survey of properties. Lithic analyst for all material collected during survey. Worked with university collections, providing a detailed analysis of all donated lithic artifacts and created a proper teaching collection.

R. CHRISTOPHER GOODWIN & ASSOCIATES, INC., FREDERICK, MD

LABORATORY SPECIALIST / ASSISTANT PROJECT MANAGER / FIELD TECHNICIAN (2006 – 2010)

For thirty years, R. Christopher Goodwin & Associates, Inc. has taken the cultural resources management lead on many of our Nation's most important energy, military, transportation, and infrastructure projects. Their staff helps clients plan, design, permit, and build, while applying innovative solutions to manage heritage resources.

Responsibilities: Directed lab accessioning and processing, artifact curation, storage, and inventorying of collections maintained for the CapRock Rockies Express Pipeline (Indiana & Ohio). Acted as co-analyst and photographer for lithic, prehistoric ceramic, and flotation during phase I, II, and III analysis. Handled administrative, personnel, and curation issues related to the archaeology laboratory. Implemented lab protocols consistent with federal (36 CFR 79) and RCGA internal standards and ensured quality and compliance. Liaised with agency officials and RCGA project managers to ensure lab priority consistency with project deadlines and budget. Conducted archaeology outreach and education, including lab facility

tours, job shadowing, and educational talks. Worked on numerous projects at all phases of investigation in the Midwest, Mid-Atlantic, Southeast, and Southwest. Local project field crew and chief - Phase I & II – Maryland. Field Technician - Phase II - Georgia. Field Technician – Phase I & III – Ohio. Field Technician – White Sands Missile Range – New Mexico.

Management Achievements:

- Co-author of the Indiana & Ohio Phase I & II reports. (Lithic materials, site write-ups and GIS mapping / site boundaries).
- Liaised between right of way, land agents, and property owners for the CapRock Rockies Express Pipeline.
- Managed 7 lab assistants and oversaw all lab procedures and data processing.
- Implemented effective quality control measures to significantly improve the accuracy of lab tracking and processing data for those artifacts.
- Reached lab processing benchmarks by maintaining appropriate levels of staff and streamlining lab processes.

SELECTED PUBLICATIONS

Miller, M.

2017 Understanding Kimberley Points of Western Australia, an Expression of Flintknapping Art in Western Australia. *Knapper's Quarterly*. Number 4, Spring 2017 (Volume 3, No. 1).

Miller, M.

2016 Knappers Elbow. *Knapper's Quarterly*. Number 3, Fall 2016 (Volume 2, No. 2).

Sipe, R., D. Adair, and M. Miller

2015 Cultural Resource Survey of Proposed Improvements – Carolina Crossroads I-20/I-26/I-126 Corridor Project Lexington and Richland Counties, South Carolina. Report prepared by Edwards-Pitman Environmental Inc. for South Carolina Department of Transportation and Federal Highway Administration.

Miller, M.

2014 Event Review: 1st Annual Outdoors Without Limits (OWL) Knap-in. *Journal of Lithic Studies*. Volume 1, Number 2. Electronic document, <http://journals.ed.ac.uk/lithicstudies/article/view/1089/1621>.

Maymon, J., J. Markman, Z. Jamie, P. Godwin, D. Grose, M. Miller, C. Child, R. Gatewood, and M. Hornum

2007 Phase I Archaeological Survey for the Proposed Rockies Express East Pipeline Project, Indiana. Report prepared by R.C. Goodwin and Assoc. Inc. for National Resources Group.

Aubry, T., B. Bradley, M. Almedia, B. Walter, M. Nevers, J. Pelegrin, M. Lenoir, M. Tiffagom, and M. Miller

2006 Experimental reproduction of Solutrean technology based on refitting and technological analysis of Les Maîtreaux. 12th Annual Meeting of the EAA, Poland.

PROFESSIONAL AFFILIATIONS

- Tennessee Council for Professional Archaeology | Member 2016 - present.
- Register of Professional Archaeologists (ID - 37155412) | 2015 - present.

REC 19-120: TA 40 – Bunker Construction
Ronald I. Grayson, M.A., RPA
Fort Campbell Cultural Resources Program Manager
7 June 2019

Introduction and Project Description

The proposed undertaking involves the creation of up to four (4) defensive bunker positions in Range 56 within Training Area (TA) 40. Training Area 40 is entirely within Christian County, Kentucky. The construction will consist of excavation of two holes measuring 10'L x 8'w x 4'D. These holes will then have a timber framed bunker constructed inside of them made of pressure treated wood. The bunkers will be covered up with the excavated loose spoil and then capped with sandbags. Bunkers will measure 10'L x 8'w x 8'H.

The area of potential effects (APE) for this project is located in four (4) positions within Range 56 (Figure 1).



Figure 1: APE for REC 19-120: TA 40 – Bunker Construction

The APE was surveyed by Cultural Resource Analysts in 1997 (Bradbury: 1998). The Kentucky State Historic Preservation Officer (SHPO) did not accept the level of effort for this survey and requested revisions to the final which were not completed. The APE, therefore, was not considered adequately surveyed by the Fort Campbell Cultural Resources Office (FTC-CRO), and a new survey was required for this undertaking to ensure that the proposed ground disturbance associated with the project would not have an adverse effect to historic properties.



Figure 2: Location of Shovel Tests

The Fort Campbell Cultural Resources Program Manager, Mr. Ronald Grayson, who meets the Secretary of the interior's Standards in Archaeology, conducted a pedestrian survey and performed shovel testing within the APE on 16 May, 2019. This was done in accordance with stipulation (C.2.a) of the *Programmatic Agreement among the United States Army, the State Historic Preservation Officer of Kentucky and the State Historic Preservation Officer of Tennessee Regarding the Operation, Maintenance, and Development of the Fort Campbell Army Installation at Fort Campbell, Kentucky* (Effective January 2009). This stipulation states that the FTC-CRO may inspect small areas not previously surveyed for archaeological materials to determine whether they are so disturbed that there is very little likelihood of any significant archaeological sites remaining. The FTC-CRO's pedestrian survey and shovel testing were performed to examine the integrity of the soils in the APE and their potential for containing archaeological remains. The results suggested that the APE for the proposed project was highly disturbed, and there was very little likelihood of any significant cultural materials remaining.

Therefore, the proposed undertaking to construct training bunkers would have *No Effect to Historic Properties*.

Methods

The pedestrian survey showed that the ground surface within the APE for this project had been heavily disturbed. This previous ground disturbance was associated with established paved roads, previous vehicle traffic, borrow activities, and military training activities. The proposed bunker areas were identified as Areas A-D each of which had different characteristics (Figure 1). Areas A and C were determined to be previously disturbed and were not shovel tested. Areas B and D were determined to possibly contain intact soils and were subjected to shovel testing (Figure 2). The two (2) excavated shovel tests were at least 30 cm in diameter. No artifacts or historic features were identified during the pedestrian survey and shovel testing within the APE for this undertaking. The FTC-CRO uses the Munsell color system to describe all soil colors.

Results

Area A:



Figure 3: Area A. Looking South.

Area A is within 25 feet of Artillery Road and heavily disturbed due to the road construction (Figure 2). This area was only pedestrian surveyed due to the previous disturbance from road constitution. Area A is within the established Road Right of Way and therefore excluded from requiring archaeological survey in accordance with stipulation (C.2.a) of the *Programmatic Agreement among the United States Army, the State Historic Preservation Officer of Kentucky and the State Historic Preservation Officer of Tennessee Regarding the Operation, Maintenance, and Development of the Fort Campbell Army Installation at Fort Campbell, Kentucky* (Effective January 2009).

Area B:



Figure 4: Shovel Test 1.

Area B is in an area adjacent to a tree line southeast of Artillery Road (Figure 2). Due to the lack of surface visibility, a shovel test was performed to determine the nature of the soils and the presence of any archaeological material. Shovel Test 1 contained a shallow A horizon transitioning to a mottled Clay Subsoil (Figure 4). No artifacts or historic features were identified in the excavated shovel test.

Level 1: 0-6 cmbs (10YR 3/1 plowzone)

Level 2: 6-10 cmbs (10YR 5/6 mottled clay)

Level 3: 10-15 cmbs (10 YR 6/8 clay subsoil)

Area C:



Figure 5: Area C with subsoil on the surface. Facing North.

Area C is on an open, cleared, area south of Artillery Road (Figure 2). The area was previously used as a “borrow” area for soil and had exposed subsoil on the surface (Figure 5). Due to the obvious disturbance in the area the area was visually inspected. No artifacts for potential historic features were identified.

Area D:



Figure 6: Shovel Test 2

Area D is in a small wooded area approximately 30 meters west of Patton Road (Figure 2). Due to the lack of surface visibility and potential for intact soils, a shovel test was performed to determine the nature of the soils and the presence of any archaeological material. Shovel Test 2 contained a shallow plowzone over clay Subsoil (Figure 6). No artifacts or historic features were identified in the excavated shovel test.

Level 1: 0-5 cmbs (10YR 4/2 plowzone)

Level 2: 5-14 cmbs (10YR 5/6 subsoil)

The pedestrian survey of the APE for this undertaking showed that the area had been disturbed by established paved roads, previous vehicle traffic, borrow activities, and military training activities. No artifacts or historic features were observed on the surface within the APE during the pedestrian survey. The shovel testing further showed that the majority of the APE was highly disturbed and the project should not adversely affect any historic properties.

Conclusions

The APE for the proposed undertaking to build of up to four (4) defensive bunker positions in Training Area (TA) 40 within Range 56 had been disturbed by established paved roads, previous vehicle traffic, borrow activities, and military training activities. These disturbances had negatively impacted the integrity of the soils in the APE. This was confirmed through pedestrian survey and shovel testing within the APE. These disturbances severely limit the likelihood of any archaeological materials existing within the APE. In addition, no cultural materials were recovered from the surface or from any of the shovel tests. The Fort Campbell Cultural Resources Program Manager has determined that the project will have *No Effect to Historic Properties*.

References Cited

Bradbury, Andrew, P.

1998 *An Archaeological Survey of Portions of Training Areas 31, 32, 33, 34, and 40 Within the Fort Campbell Military Installation, Christina County, Kentucky and Stewart County, Tennessee*. Cultural Resource Analysts, Inc., Lexington, Kentucky. Submitted to the Fort Campbell Cultural Resources Office, Contract No. DACW62-96-D-0023. On file, Environmental Division, Directorate of Public Works, Fort Campbell, Kentucky.



DEPARTMENT OF THE ARMY
HEADQUARTERS, UNITED STATES ARMY GARRISON, FORT CAMPBELL
BUILDING 2574 23RD STREET
FORT CAMPBELL, KY 42223-5617

August 1, 2020

Office of the Garrison Commander

Mr. Reid Nelson
Advisory Council on Historic Preservation
401 F Street NW., Suite 308
Washington, DC 20001-2637

Dear Mr. Nelson:

In accordance with Stipulation (J.1.a.) of the *Amended Programmatic Agreement Among the United States Army, The State Historic Preservation Officer of Kentucky and the State Historic Preservation Officer of Tennessee regarding the Operation, Maintenance, and Development of The Fort Campbell Army Installation at Fort Campbell, Kentucky* (Amended December 2019) an annual report of all Army projects and activities carried out in the Kentucky portion of Fort Campbell, and reviewed by the Fort Campbell Cultural Resource Management Program (CRMP), must be submitted to the Advisory Council on Historic Preservation, Installation Management Command-Readiness and the Kentucky State Historic Preservation Office. The following report includes a list of projects and activities that have been reviewed for possible effects to historic properties, a determination of those effects, a summary of mitigation and/or treatment measures, and a summary of consultation activities performed by the CRMP in Christian and Trigg Counties, Kentucky for calendar year 2019.

It is the determination of the US Army that this report meets the requirements of Stipulation (J.1.a) of the aforementioned agreement for calendar year 2019. Please accept the enclosed annual report as meeting compliance with Stipulation (J) of the aforementioned agreement.

If you have any further questions, regarding this matter, please contact Mr. Ronald Grayson, Cultural Resources Program Manager at ronald.i.grayson.civ@mail.mil, or telephone 270-412-8174.

Sincerely,

Jeremy D. Bell
Colonel, U.S. Army
Commanding

Enclosures



DEPARTMENT OF THE ARMY
HEADQUARTERS, UNITED STATES ARMY GARRISON, FORT CAMPBELL
BUILDING 2574 23RD STREET
FORT CAMPBELL, KY 42223-5617

August 1, 2020

Office of the Garrison Commander

Mr. Craig A. Potts
Kentucky Heritage Council
410 High Street
Frankfort, KY 40601

Dear Mr. Potts:

In accordance with Stipulation (J.1.a.) of *Programmatic Agreement Among the United States Army, The State Historic Preservation Officer of Kentucky and the State Historic Preservation Officer of Tennessee regarding the Operation, Maintenance, and Development of The Fort Campbell Army Installation at Fort Campbell, Kentucky* (Amended December 2019) an annual report of all Army projects and activities carried out in the Kentucky portion of Fort Campbell, and reviewed by the Fort Campbell Cultural Resource Management Program (CRMP), must be submitted to the Advisory Council on Historic Preservation, Installation Management Command-Readiness and the Kentucky State Historic Preservation Office. The following report includes a list of projects and activities that have been reviewed for possible effects to historic properties, a determination of those effects, a summary of mitigation and/or treatment measures, and a summary of consultation activities performed by the CRMP in Christian and Trigg Counties, Kentucky for calendar year 2019.

It is the determination of the US Army that this report meets the requirements of Stipulation (J.1.a) of the aforementioned agreement for calendar year 2019. Please accept the enclosed annual report as meeting compliance with Stipulation (J) of the aforementioned agreement.

If you have any further questions, regarding this matter, please contact Mr. Ronald Grayson, Cultural Resources Program Manager at ronald.i.grayson.civ@mail.mil, or telephone 270-412-8174.

Sincerely,

Jeremy D. Bell
Colonel, U.S. Army
Commanding

Enclosures