



DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
441 G STREET NW
WASHINGTON, D.C. 20314-1000

JAN 10 2019

CECW-P


MEMORANDUM FOR RECORD

SUBJECT: Record of Recertification of the Mandatory Center of Expertise for the Curation and Management of Archaeological Collections (MCX CMAC) at the U.S. Army Corps of Engineers, St. Louis District

1. The MCX CMAC is recertified based on my review that this center continues to be productive and has unique or specialized capabilities as required in ER 1110-1-8158. This CX eliminates redundancy, optimizes use of specialized expertise, improves services to its customers and enhances Corps-wide consistency.
2. The attached memorandum documents MCX CMAC's performance as prescribed in ER1110-1-8158, Appendix B Centers of Expertise Recertification Process.
3. The HQ Proponents, Nancy Brighton, CECW-P and Meg Gaffney-Smith, CECW-CO, have reviewed the requirements and approved the responses in the attached memorandum, and recommends approval for the recertification of this MCX.

Approved  Disapproved _____ Other _____

Encl


Joseph H. Redican
Acting Chief, Planning and Policy Division
Directorate of Civil Works

CF:
HQ Proponent (CECW-P/CECW-CO)
HQ PM for CX Program (Donna R. Smigel)

Brighton, Nancy J

From: Smigel, Donna R CIV USARMY CEHQ (US)
Sent: Monday, December 31, 2018 10:57 AM
To: Riordan, Jennifer L CIV USARMY CEMVS (US); Brighton, Nancy J
Cc: Trimble, Michael K CIV USARMY CEMVS (USA); Gaffney-Smith, Margaret E CIV (US)
Subject: RE: Instructions for Recertification of Curation Management of Archaeological Collections

Looks VERY good. Last piece is the approval for recertification from HQ, once signed and copied to me, the task is complete for the next several years!

Happy New Year!

Donna

Donna R Smigel
Lead MILCON Economist
CX Program Manager

HQ USACE
CECW-EC
441 G St. NW
Washington, DC 20314

202 761-7767

-----Original Message-----

From: Riordan, Jennifer L CIV USARMY CEMVS (US)
Sent: Friday, December 28, 2018 4:41 PM
To: Smigel, Donna R CIV USARMY CEHQ (US) <Donna.R.Smigel@usace.army.mil>; Brighton, Nancy J <Nancy.J.Brighton@usace.army.mil>
Cc: Trimble, Michael K CIV USARMY CEMVS (USA) <Michael.K.Trimble@usace.army.mil>; Gaffney-Smith, Margaret E CIV (US) <Meg.E.Gaffney-Smith@usace.army.mil>
Subject: RE: Instructions for Recertification of Curation Management of Archaeological Collections

All, please disregard the first set of attachments. The ones attached to this email are correct. Apologies. Jen

-----Original Message-----

From: Riordan, Jennifer L CIV USARMY CEMVS (US)
Sent: Friday, December 28, 2018 3:27 PM
To: Smigel, Donna R CIV USARMY CEHQ (US) <Donna.R.Smigel@usace.army.mil>; Brighton, Nancy J <Nancy.J.Brighton@usace.army.mil>
Cc: Trimble, Michael K CIV USARMY CEMVS (USA) <Michael.K.Trimble@usace.army.mil>; Gaffney-Smith, Margaret E CIV (US) <Meg.E.Gaffney-Smith@usace.army.mil>
Subject: RE: Instructions for Recertification of Curation Management of Archaeological Collections

Nancy and Donna,



REPLY TO
ATTENTION OF

CEMVS-EC-Z

DEPARTMENT OF THE ARMY
ST. LOUIS DISTRICT, CORPS OF ENGINEERS
1222 SPRUCE STREET
ST. LOUIS, MISSOURI 63103-2833

DEC 28 2018

MEMORANDUM FOR CECW-PB, 441 G Street NW, Washington, D.C., 20314-0001 (ATTN: Nancy Brighton)

SUBJECT: Recertification of the Mandatory Center of Expertise for the Curation and Management of Archaeological Collections (MCX CMAC)

1. As Director, MCX CMAC, I am providing the attached recertification packet that documents MCX CMAC's performance as prescribed in ER1110-1-8158, Appendix B Centers of Expertise Recertification Process.
2. The recertification packet documents MCX CMAC's work since the last recertification in 2012. MCX CMAC is a leader in the federal government for the curation and management of archaeological collections, as well as for archaeological, forensic, and archival support to DoD and other federal agencies. MCX CMAC has built a strong team of educated, trained, and experienced professionals. Recertification is critical for USACE to continue to deliver superior performance, set the standard in the federal government for cultural resources and heritage management, and make a positive impact on our Nation and other countries.
3. Please do not hesitate to contact me with any questions at 314-331-8466 or michael.k.trimble@usace.army.mil.

Encl

TRIMBLE.MICHA
EL.K.1229706051

Digitally signed by
TRIMBLE.MICHAEL.K.1229706051
DN: cn=US, o=U.S. Government, ou=DoD,
ou=PKI, ou=USA,
cn=TRIMBLE.MICHAEL.K.1229706051
Date: 2018.12.28 11:17:56 -06'00'

MICHAEL K. TRIMBLE, Ph.D.
Director, Mandatory Center of Expertise
for the Curation and Management
of Archaeological Collections

Recertification
Mandatory Center of Expertise for the
Curation and Management of Archaeological Collections
December 2018

Executive Summary

The Mandatory Center of Expertise for the Curation and Management of Archaeological Collections (MCX CMAC) was established in the St. Louis District in 1994, following technical center status (1991–1993), to deliver centralized management, administration, and policy development for USACE-wide compliance with archeological collections management. MCX CMAC has since expanded its capabilities to meet a growing set of federal cultural, environmental, asset management, and information management requirements. In addition, the Center’s expertise has developed to support various cultural and forensic challenges for CONUS and OCONUS operations. MCX CMAC has evolved into a multi-faceted enterprise that maintains technical expertise in national and host-nation archaeology, heritage assets management, archival research, intelligence based historic records research, and rapid deployment of field forensic services. The MCX CMAC was recertified in 2012. The current recertification of MCX CMAC is critical for USACE to continue to deliver superior performance, set the standard in the federal government for cultural resources and heritage management, and make a positive impact on our Nation and other countries.

Numerous statutes and regulations require federal land-managing agencies to manage and curate archaeological materials and associated documentation according to accepted professional standards [e.g., Antiquities Act of 1906, 36 CFR Part 79, Curation of Federally-Owned and Administered Archaeological Collections, Archaeological Resources Protection Act (ARPA), National Historic Preservation Act of 1966, as amended (NHPA), and the Native American Graves Protection and Repatriation Act (NAGPRA)]. Preservation laws and regulations are based on the principle that agencies have removed, or will remove, sites from the ground in advance of constructing public projects. These agencies must balance the need for the construction of public works which may destroy all or portions of a site in exchange for the analysis and curation of the sites’ remains—the archaeological collections. The collections represent the sites, which have a social and scientific value to the larger public. These collections are part of USACE’s stewardship responsibility, and MCX CMAC addresses these stewardship responsibilities for USACE in an effective centralized program. This enables USACE districts and MSCs to proceed and lead, unfettered, with our core engineering and construction missions.

Prior to the establishment of MCX CMAC, insufficient O&M funds prevented USACE and its MSCs from consistently and effectively addressing NAGPRA and curation requirements. USACE districts were pursuing compliance with NAGPRA and curation regulations in an inefficient and ad hoc manner. With the designation of the MCX CMAC, USACE compliance with NAGPRA and curation regulations became an efficient national program. The MCX CMAC has provided for standardized NAGPRA compliance on over 5,600 sets of human remains and 505,000 cultural items. Compliance for summaries went from 11% to 100%, and filing of compliance Notices went from zero to 79. MCX CMAC has provided for the transfer of 1,808 sets of human remains and 247,901 cultural items to Indian tribes. The Government Accountability Office (GAO) cited the MCX CMAC as a “best performer” during their 2009–2010 audit of federal agency compliance with NAGPRA due to MCX CMAC’s management based on centralized processes and effective use of resources.

The curation program has assessed all Corps collections (over 47,000 cubic feet) for compliance with federal curation standards, and has ensured portions of the collections from at least 17 districts have been rehabilitated to federal standards. Archaeological collections that are the responsibility of USACE are dispersed in over 150 repositories across the Nation, and the majority of the collections and repositories do not meet minimum federal requirements.

In September 2017, Mr. James Dalton, Director of Civil Works, directed the MCX CMAC to coalesce USACE's archaeological collections from the 150+ locations into approximately 25 regional centers. The directive was in response to the successful regionalization of archaeological collections in the Mississippi Valley Division (MVD), which was initiated in 2015. The MVD Regionalization Pilot Project demonstrated the need for consolidation, provided proof of concept, and highlighted the tangible gains in cost effectiveness and overall efficiency in reducing the number of repositories from 22 to three regional centers. Regionalization for all USACE collections will provide for comprehensive management and oversight of the collections, increased public access, and cost effective curation of collections to meet federal standards.

Additionally, NAGPRA and curation tasks remain a collateral duty for district archaeologists, done in addition to the cultural resources tasks required for districts to proceed with their core missions. No districts have the expertise or capability to address collections management, NAGPRA, and archival issues on the scale necessary to support the agency's growing national collections. The MCX CMAC fills that role.

The MCX CMAC established the Veterans Curation Program (VCP) in 2009. Based on its success, the program was formally recognized by Congress in July 2016 by P.L. 114-189. The VCP employs and trains veterans in archaeological curation processing, where veterans learn tangible work skills while improving the condition of USACE archaeological collections. There are currently three main VCP laboratories (Alexandria, VA; Augusta, GA; St. Louis, MO) and four smaller satellite laboratories (Arizona State University, Tempe; San Mateo, CA; Texas State University, San Marcos; and Washington State University, Pullman). To date, 566 veterans have been employed by the program (including 51 in the fall FY19 term), with 91% obtaining permanent employment or choosing to continue their education.

The MCX CMAC's support for others mission is critical to USACE's mission of supporting our military and strengthening our Nation's security. Since 2012, MCX CMAC has assisted our military through archival processing, archaeological assistance, forensic archaeological recovery, museum services, and curation and NAGPRA needs. MCX CMAC began critical support in forensics archaeological recovery for the Army National Military Cemeteries (ANMC) in 2014 and to the Department of Defense MIA/POW Accounting Agency (DPAA) in 2015. The ability to mobilize quickly as part of a military organization, coupled with expertise in archaeological excavation, forensic data collection, and records management, is central to MCX CMAC's success in this arena.

In April 2018, MCX CMAC was named the Cultural Resources Enterprise Program Manager for U.S. Army Installation Management Command (IMCOM) in order to better leverage USACE capabilities, find efficiencies, and streamline coordination with multiple districts for cultural resources support to IMCOM. MCX CMAC was selected based on the proven track record of technical expertise and maintenance of professional staff in numerous areas of cultural resources. Finally, MCX CMAC support extends beyond USACE and DoD, with the Centers work in curation and NAGPRA critical to numerous agencies within the Department of the Interior.

The constellation of documented capabilities provided for by MCX CMAC staff are not found among other USACE districts, divisions, or laboratories, nor in any other DoD entity. MCX CMAC personnel hold 25 advanced degrees and certifications and include archaeologists with experience through the United States, Middle East, and Southeast Asia, physical and forensic anthropologists, archivists, historians, curation/collections management specialists, and support staff. Since 2012, MCX CMAC has assisted over 55 customers with their cultural resources needs on a national and international level. Many of these districts and agencies return to MCX CMAC after successful project completion to engage the Center for additional, new work. Also, many MCX CMAC projects are multi-year endeavors and often, customers choose to utilize many functional components within the Center, providing for the most cost effective and efficient outcomes possible. MCX CMAC has received numerous awards and commendations for its efforts, which exemplify the quality, dedication, and essential nature of the MCX CMACs work to USACE and other government agencies.

MCX CMAC is a leader in the federal government for curation and management of archaeological collections, and archaeological and archival support to DoD and other federal agencies. Recertification of the MCX CMAC is strongly supported by MSCs, districts, and customers, as evidenced by the letters of support included with this report. MCX CMAC has built a strong team of educated, trained, and experienced professionals that, with recertification, will continue to use the established, standardized processes that improve USACE's efficiency and effectiveness as stewards of our cultural environment and in strengthening our Nation's security.

Contents

This report outlines the basis and need for the recertification of the Mandatory Center of Expertise for the Curation and Management of Archaeological Collections (MCX CMAC) located at the St. Louis District. The last recertification was in 2012. Performance statements (a) through (I) in *Appendix B, Centers of Expertise Recertification Process, ER 1110-1-8158*, are detailed below with data from projects since the previous recertification.

- Attachment 1 contains the current MCX CMAC mission and function statement and the September 2007 Memorandum for Record amending the mission statement.
- Attachment 2 contains letters and emails of support for the MCX CMAC and recertification. Quotes and statements from these letters and emails are interspersed in the discussion as testimonials of MCX CMAC work.
- Attachment 3 contains a list of awards that are representative of MCX CMAC achievements since 2012.
- Attachments 4 and 5 contain spreadsheets used to evaluate if any other USACE laboratory or Center of Expertise has the technical capability, experience, and resources to perform the functions of MCX CMAC.

Appendix B Responses (a) to (I)

(a) The CX continues to provide the services as authorized. Any changes to services over the recertification period has appropriate approval(s) documented.

Since the 1994 establishment of the MCX CMAC by MG Stanley Genega, Director of Civil Works, the mission of the Center has been expanded to include “mass graves investigations, mass disaster fatalities recovery (in support of FEMA), forensic support to USG agencies, and archival/historic cartographic investigations to assist military and intelligence agencies.” Attachment 1 includes the original memorandum establishing the MCX CMAC and the memorandum for amending the mission and function on 11 September 2007 (Thomas W. Waters, Chief, Planning and Policy Division, Directorate of Civil Works). MCX CMAC’s current mission reads as follows.

The Mandatory Center of Expertise (MCX) for Archeological Curation and Collections Management in St. Louis District (CEMVS) [sic], will maintain state-of-the-art technical expertise in curation of archeological collections, collections management (including historic properties database and website development), special purpose designs and construction requirements of curation facilities, mass graves investigations, mass disaster fatalities recovery (in support of FEMA), forensic support to USG agencies, and archival/historic cartographic investigations to assist military and intelligence agencies. The MCX will provide HQUSACE and USACE Commands with program guidance, technology transfer, and inter-agency coordination for the curation of archeological collections. The MCX will manage all USACE curation needs assessments and design services for the curation of archeological collections. When MCX staff and services are available, CEMVS will, on a reimbursable basis, assist other Army MACOMs, DoD Services and Agencies, and other Federal, State and local Government agencies.

(b) Number of requests for services received by the CX and acted on annually are sufficient to sustain the staffing.

Annual requests for MCX CMAC services are sufficient to sustain the staffing. There is no other organization within DoD that can provide the range of services offered by MCX CMAC, covering compliance with cultural resources/collections' regulations, along with special purpose support to our warfighters and allied disciplines. MCX CMAC fiscal resources come from two sources—(1) USACE Native American Graves Protection and Repatriation Act (NAGPRA) and curation O&M remaining line-item funds and (2) cost-reimbursable funds. Line-item NAGPRA and curation funds are sufficient to maintain a national-level mission for NAGPRA and curation (including the VCP), with appropriate FTEs, if they remain in the \$7.5M range (FY18 and FY19 president's budget totaled \$7.5M each year). With the addition of cost-reimbursable funds (\$587K+ in labor dollars and over \$3M in new contracts in FY18), MCX CMAC funds and requests for services are sufficient to support the current staff of 20 FTEs and four interns.

The size and scope of the projects performed vary according to the customer needs and many are multi-year endeavors. Additionally, customers often return to MCX CMAC for additional support, based on the success of previous projects. Projects conducted by MCX CMAC since FY12 are listed below by FY; projects with the oldest start date are at the top. The + symbol indicates that the project, as presently scoped, continues into, and often beyond, FY19. Individual listing of a USACE district indicates use of MCX CMAC services outside NAGPRA and curation line-item funds; the Center assisted these districts on a cost-reimbursable basis.

MCX CMAC Projects from FY12 to Present

No.	Agency and Project	Year
1.	USACE, Corps-wide NAGPRA compliance and assistance	FY95-FY19+
2.	USACE, Corps-wide Curation compliance and assistance	FY95-FY19+
3.	USACE, Walla Walla District and Northwestern Division, Kennewick Man	FY96-FY18
4.	USACE, Great Lakes and Ohio River Division, records management study	FY00-FY14
5.	USACE, Veterans Curation Program	FY09-FY19+
6.	USACE, Rock Island District, mitigation of inadvertent discovery and cultural resources survey	FY10-FY12
7.	U.S. Army, Office of the Assistant Chief of Staff, Installation Management Command, curation status review and options analysis	FY10-FY12
8.	U.S. Army, Office of the Assistant Chief of Staff, Installation Management Command, NAGPRA status review and targeted compliance activities	FY10-FY12
9.	U.S. Army, National Museum of Health and Medicine, museum design and collection move	FY10-FY16
10.	U.S. Army, Fort Belvoir, curation needs assessments, collection rehabilitation, and records access management plan and implementation	FY11-FY17
11.	U.S. Army, Arlington National Cemetery, historic gates evaluation and reconstruction	FY11-FY19+
12.	USACE, Portland District, records access management plan	FY12
13.	USACE, Mississippi Valley Division Systems Performance Evaluation (MR&T)	FY12
14.	USACE, Memphis District, archaeological mitigation of inadvertent discovery at Bird's Point	FY12
15.	U.S. Army, Fort Hunter Liggett, curation needs assessment and collection rehabilitation	FY12
16.	USACE, Tulsa District, Section 110 archaeological compliance	FY12-FY14
17.	USACE, Omaha District and Northwestern Division, paleontological assistance	FY12-FY15

No.	Agency and Project	Year
18.	U.S. Army, Redstone Arsenal NAGPRA and consultation assistance	FY12-FY15
19.	U.S. Department of Defense, Defense POW/MIA Accounting Agency, archaeological support for the recovery of missing service members OCONUS	FY12-FY17
20.	U.S. Army, Army National Military Cemeteries, forensic recovery Governor's Island, NY	FY14
21.	USACE, Omaha District, ARPA violation/Section 3 NAGPRA review	FY14-15
22.	U.S. Army, Fort Huachuca, interpretive design preparation for military museum	FY14-15
23.	U.S. Navy, Navy Facilities Engineering Command NW, NAGPRA and curation support	FY14-15
24.	U.S. Army, Aberdeen Proving Ground, NAGPRA support	FY14-FY18
25.	U.S. Army, U.S. Army Heritage and Education Center, archival evaluation and processing	FY14-FY18
26.	U.S. Center for Military History, macro and micro object and artifact transport	FY14-FY19+
27.	U.S. Army, Iowa Ammunition Plant, archaeological support	FY15
28.	U.S. Department of the Interior, curation survey	FY15-FY17
29.	U.S. Army, Fort Polk, curation assistance	FY15-FY17
30.	U.S. Army, Detroit Arsenal, records access management plan	FY16-FY17
31.	U.S. Fish and Wildlife Service, NAGPRA inventory and transfer	FY16-FY17
32.	USACE, Detroit District, archives support	FY16-FY19+
33.	U.S. Air Force/National Geospatial Agency, cultural resources and tribal consultation	FY16-FY19+
34.	U.S. Army, Army National Military Cemeteries, forensic recovery Carlisle Indian School	FY16-FY19+
35.	USACE, Omaha District, digitization	FY17
36.	USACE, Rock Island District, ARPA damage assessment	FY17
37.	USACE, Memphis District, archaeological survey	FY17
38.	U.S. Army, Army National Military Cemeteries, forensic recovery West Point Military Academy	FY17
39.	U.S. Army, Adelphi Laboratory Center, digitization	FY17
40.	U.S. Air Force, Civil Engineer Center, OCONUS archaeological survey	FY17
41.	U.S. Army, Aberdeen Proving Ground, curation support	FY17-FY18
42.	U.S. Department of the Interior, Bureau of Land Management, NAGPRA assessment	FY17-FY18
43.	USACE, Galveston District, curation support	FY17-FY19+
44.	USACE, Tulsa District, curation support	FY17-FY19+
45.	USACE, Fort Worth District, curation support	FY17-FY19+
46.	USACE Savannah District, curation support	FY17-FY19+
47.	U.S. Army, National Museum of the U.S. Army, object conservation	FY17-FY19+
48.	USACE, Kansas City District, archaeological survey	FY18
49.	USACE, Nashville District, forensic cemetery recovery	FY18
50.	USACE, Little Rock District, archaeological survey	FY18
51.	USACE, New England District, Cape Cod Canal archives	FY18
52.	USACE, Buffalo District, National Register of Historic places evaluation	FY18
53.	USACE, Office of History, object digitization	FY18
54.	USACE, Seattle District, curation support	FY18
55.	U.S. Army Fort Leavenworth, National Historic Landmark District evaluation	FY18
56.	U.S. Army, Anniston Army Depot, collection transport	FY18
57.	U.S. Army, MEDCOM, records access management plan	FY18

No.	Agency and Project	Year
58.	U.S. Army, Pueblo Army Depot, National Register of Historic Places evaluation	FY18
59.	U.S. Department of Veteran's Affairs, cultural and tribal review	FY18
60.	U.S. Air Force, Luke Air Force Base, curation needs assessment	FY18-FY19
61.	U.S. Army Reserves, 88th Command, curation assessment	FY18-FY19
62.	U.S. Army, Fort Leonard Wood NAGPRA review and museum exhibit	FY18-FY19
63.	U.S. Army, BRAC Environmental Division, NAGPRA assistance	FY18-FY19
64.	U.S. Army, Fort Campbell, NAGPRA assistance	FY18-FY19
65.	U.S. Department of Veteran's Affairs, Jefferson Barracks Cemetery historic wall restoration	FY18-FY19+
66.	U.S. Army, Installation Management Command	FY18-FY19+
67.	USACE, Norfolk District, archaeological support	FY19

(c) Requests for service are completed on schedule.

The MCX CMAC has completed greater than 90% of all requests for services on or ahead of schedule, and works consistently with customers to ensure the projects scopes, schedules, and deliverables are met.

MCX CMAC USACE Support

For NAGPRA and curation centralized funding, MCX CMAC schedules annual work based on data gathered by discussions between district points of contact, division representatives, and MCX CMAC district coordinators. At the beginning of each FY, MCX CMAC staff and district POCs discuss NAGPRA and curation tasks that were accomplished the previous year and review work targets and funding requirements for the upcoming year. District coordinators at MCX CMAC work with the MSCs and individual districts to develop a list of tasks for completion during the FY at the district and MCX CMAC. The MCX CMAC district coordinator provides status updates to the NAGPRA and curation project leads, who track completion of scheduled tasks. MCX-CMAC provides an annual status report to the Director of Civil Works on yearly progress.

The ability to meet targeted deadlines within USACE is exemplified by the Center's work for Northwestern Division on Kennewick Man. The Kennewick Man remains were among the oldest and most complete skeletons ever found in North American and MCX CMAC had been assisting NWD with technical and policy advice on the collection for over twenty years while it was stored at the Burke Museum, Washington. On 16 December 2016, Section 1152 of the Water Infrastructure Improvement Act of 2016 (WIIN) became law. This required USACE to transfer the Kennewick Man skeleton within 90 days to the Washington Department of Archaeology and Historic Preservation (WA DAHP) for subsequent transfer to claimant Indian tribes. MCX CMAC's ability to provide timely, insightful, and expert guidance was key to developing implementation guidance for Section 1152, coordinating with NWD, the Burke Museum, WA DAHP, and Indian tribes, completing a final condition assessment, preparing an exit inventory, and developing transfer protocols and documents on a short suspense. The transfer was successfully completed on 17 February. MCX CMAC's work was recognized by Major General Scott A. Spellmon, Commander NWD, with Department of Army, Superior Civilian Service Awards, provided to MCX CMAC's Kennewick Man team, where he recognized the "technical knowledge, coordination, and diplomacy" of MCX CMAC staff that resulted in the "successful expedited transfer."

As another example, Buffalo District attests to the Center's ability to "execute the project on schedule." In 2018, MCX CMAC provided vital support for the Harpersfield Dam Lamprey Barrier by providing professional consultation in historic preservation. MCX CMAC guided the district through a complex and contentious MOA process, facilitating understanding between Buffalo District and the local Historic Preservation Office. As noted by Gabriel Schmidbauer, Project Manager, Harpersfield Dam Lamprey Barrier, "The Center's highly competent and technical staff provided my team with immediate, thorough, and comprehensive guidance to ensure a successful resolution. Without help from the Center, the MOA process would have stymied the progress of this important Civil Works Project" (Attachment 2, page 43).

MCX CMAC Support for Other Agencies

For cost-reimbursable projects, open communication with customers regarding project timelines and expectations is part of the overall MCX CMAC project management protocol. Project scopes of work outline the timeline and deliverable for each task. The project team leader maintains the project schedule and reports any potential delays to the MCX CMAC Director and the customer as soon as it is recognized, in order to address and mitigate any delays. MCX CMAC's commitment to project timelines is exemplified by projects for the Bureau of Land Management (BLM) and the Center of Military History (CMH).

MCX CMAC supported the BLM on the Cerberus collection, which was obtained by the BLM when 12 individuals in the Four Corners region entered plea agreements in 2009 to forfeit collections that they obtained illegally from BLM property. The collections consisted of approximately 46,000 objects, most without specific context or provenience information. Indian tribes were requesting expedited disposition of the objects, and BLM required assistance in determining NAGPRA applicability for each item in the collection. In less than six months in FY18, MCX CMAC reviewed over 10,000 pages of court testimony, legal documents, forfeited documents (e.g., individual's notes), and catalog entries, as well as created a data tracking workbook, a finding aid for the documents, and a methodology to determine potential NAGPRA status. MCX CMAC's work resulted in a report that identified 467 potential NAGPRA items. The MCX CMAC work was critical for the BLM to move forward in a timely manner with disposition requests from Indian tribes. Ms. Diana Barg, BLM Museum Collections Manager, stated that BLM engaged MCX CMAC for this "priority project" based on the "ability to devote professional staff to the project" in the necessary time frame (Attachment 2, page 49).

Since 2014, MCX CMAC has been assisting CMH with the transportation of macro and micro military objects and weaponry (e.g., tanks, cannons) as they carry out their National program. Coordination and timelines for these moves is critical, as often other construction activities and installation missions are dependent upon timely and successful moves. For example, in August 2018, MCX CMAC assisted with the placement of Anzio Annie and Atomic Annie at Fort Lee. Anzio Annie is one of two German, rail-mounted, Krupp K5 cannons captured in Civitavecchia, Italy in 1944. The cannon and railcars weigh approximately 226 tons. Atomic Annie is an M65 atomic cannon that still retains its two prime movers. Both cannons had to be placed on a building foundation so that the walls and ceiling could be constructed around them. The construction contractor could not be delayed. Based on MCX CMAC strategic coordination with the move contractor, the construction contractor, Fort Lee, and CMH, both Annies were successfully placed within a narrow window of opportunity.

Another example of a CMH move that highlights MCX CMAC's ability to meet tight schedules is the movement of an original Normal Rockwell painting. Secretary of Defense James Mattis requested that the painting "Give Them Enough and On Time," stored by CMH, be hung in his office while he was traveling. In less than two weeks, MCX CMAC was able to modify an existing task order and coordinate the move with CMH, art handlers, and Secretary Mattis' office, successfully hanging the painting in September 2018, before Secretary Mattis returned.

The necessity of MCX CMAC's timely support to CMH is testified to by COL Gregory A. Baker, Director, Museum Directorate, Center of Military History. "The Army Museum Enterprise (AME) would have extreme difficulty functioning without the assistance the MCX CMAC. The MCX CMAC provides nearly 90% of the AME's capability to conduct MACRO Artifact movements and nearly 50% of the capability for our MICRO artifact moves" (Attachment 2, page 34).

(d) Complaints and disputes from users/customers are insignificant. All complaints are resolved. Proponent will query the MSC and other using customers on the need for continuing the CX and the effectiveness of the services provided. Comments received will be considered in the recertification process.

Quality assurance/quality control has always been, and will continue to be, on the forefront of all activities within the MCX CMAC organization. Compared to the complexity of the projects performed, the Center receives a small number of complaints that are quickly resolved. Open communication with customers is part of the overall MCX CMAC project management protocol. All customers are provided with an opportunity to review draft and final products. The consistently large number of agencies or districts who have repeatedly used the Center's services over the years testifies to the commitment MCX CMAC places on customer service (agencies listed in response to b).

In December 2018, MSCs and customers were queried for the need to continue the MCX CMAC and the effectiveness of the services provided. As evidenced by the responses (Attachment 2), the services of MCX CMAC are not only effective, but vital to USACE, customers, and the American public. MCX CMAC's work for the Omaha District/Smithsonian Institution and the Department of the Interior (DOI), attest to the effectiveness of the services we provide, along with highlighting the ability to adapt to changing customer needs, to mobilize quickly, and to coordinate with multiple stakeholders. These are just two examples of the need for continuing the MCX CMAC.

MCX CMAC Support to Omaha District and the Smithsonian Institution

In 2012, the Smithsonian Institution (SI) approached the Museum of the Rockies, Bozeman, Montana, to locate a *Tyrannosaurus Rex* skeleton for use in their soon-to-be renovated dinosaur hall, the *David H. Koch Hall of Fossils-Deep Time*, at the National Museum of Natural History on the Mall in Washington, D.C. At that time, the Museum of the Rockies was curating two *T. rex* skeletons, both of which were the property of Omaha District. One of these, originally known as the Wankel Rex, is one of only a very few *T. rex* fossils that are nearly complete, and it was the first one to have been discovered with a complete forelimb. When the Museum of the Rockies contacted Omaha District about transferring the skeleton to the SI, Omaha District staff realized they did not have the necessary in-house curation and museum experience to carry out the move, nor did they have the appropriate legal experience for agency loan agreements of this type. It was critical to have an experienced team to handle the loan and transfer of such a significant resource, and Omaha District reached out to MCX CMAC.

MCX CMAC coordinated the execution of a 50-year loan of the skeleton between the SI and Northwestern Division. The loan agreement was signed on 17 June 2013 in Portland, Oregon, by NWD Commander, BG Anthony C. Funkhouser, and Dr. Kirk Johnson, Sant Director of the NMNH. Following that, MCX CMAC worked with the SI, Museum of the Rockies, and professional conservators to inventory and transport the skeleton, which was delivered in April 2014. The skeleton, re-christened “The Nation’s *T. rex*,” will be the centerpiece of the newly renovated *David H. Koch Hall of Fossils-Deep Time*, which opens in June 2019, with estimated annual visitorship at over 7 million people.

MCX CMAC’s ability to coordinate the loan, inventory, and transfer with these multiple stakeholders was recognized in a 2014, with both a Project Delivery Team of the Year Award, *Tyrannosaurus Rex* Team, and a Department of the Army Achievement Medal for Civilian Service. Additionally, Mr. Kirk Johnson, Sant Director National Museum of Natural History, commented the importance of MCX CMAC’s curation work and collaboration—“This would not have been possible without MCX-CMAC’s care of the Corps paleontological collections throughout the years...and the collaborative culture of your organization allows the Museum to carry out the Smithsonian Institution’s Mission to increase and diffuse knowledge and our mission to understand the natural world and our place in it” (Attachment 2, page 44).

MCX CMAC Support to the Department of the Interior

In 2016, the Department of the Interior (DOI) approached MCX CMAC for assistance with a cultural resources survey to establish the location, contents, and extent of collections from six DOI bureaus at non-federal repositories. The project was initially delayed as DOI obtained approval from the Office of Management and Budget under the Paperwork Reduction Act to collect information from non-federal repositories, resulting in a compressed schedule for reporting. Upon receipt of the initial MCX CMAC draft report in December 2016, DOI indicated that they needed additional, more extensive analysis of the data.

Discussion with DOI in early January 2017 revealed that the scope of work did not outline the level of analysis that DOI required for upward reporting. DOI requested MCX CMAC complete the additional work. It was imperative that DOI have the necessary data for their budget and planning meetings in early February. At this time, while two MCX CMAC staff originally assigned to the project had left the Center for other opportunities, MCX CMAC was able to adapt to the change in scope, assign new staff, and complete the additional work within the timeframe requested by DOI. Success was achieved by MCX CMAC’s flexibility and adaptability, which is grounded in a cadre of experienced technical specialists who have worked together for many years and can step in to achieve results.

The effectiveness and use of the Center’s product for DOI bureaus was apparent at an October 2018 National NAGPRA Review Committee Meeting. The Review Committee, established in DOI under NAGPRA, serves to monitor and review the implementation of the inventory and identification process and repatriation activities. For the October 2018 meeting, the Review Committee requested updates from Federal agencies on their progress, particularly asking for information about collections in nonfederal repositories. As part of their briefings, three DOI bureaus specifically referenced the use of the data collected by MCX CMAC in their continuing efforts to achieve NAGPRA compliance.

MCX CMAC Recognition from Professional Cultural Resources Organizations

Finally, highlighting the long-term effectiveness of the services provided by the Center is the 2016 Society for American Archaeology's (SAA) Award for Excellence in Curation, Collections Management, and Collections-Based Research and Education. This is the highest award in the premiere cultural resources professional organization in the United States. The MCX CMAC was recognized for implementing innovative solutions for the care of the significant cultural heritage represented by USACE's archaeological collections.

The US Army Corps of Engineers Mandatory Center of Expertise for the Curation and Management of Archaeological Collections has earned the SAA's Award for Excellence in Curation, Collections Management, and Collections-based Research and Education for their over two decades of leadership and service to the profession in the curation and management of archaeological collections. Their work to rescue and rehabilitate collections that suffered from lack of appropriate care in substandard facilities, their willingness to develop innovative programs including the Veterans Curation program, and their many partnerships and collaborations with other institutions, provide an enviable model for ensuring the continued benefit of the significant cultural heritage represented by archaeological collections to communities of scholars, affiliated peoples, and the public at large.

This award not only exemplifies MCX CMAC's technical capabilities, but also recognizes the effectiveness of the Center's services and ability to innovate and collaborate with cultural resource professionals throughout the U.S. in the shared goal of preserving the Nation's cultural heritage.

Ms. Susan M. Chandler, SAA President, provided a letter of support for MCX CMAC's recertification stating that "SAA strongly recommends the re-certification of MCX-CMAC" because the Center provides "critical support and services to the science of archaeology and the preservation of archaeological collections" (Attachment 2, page 37). Additional letters of support from the professional cultural resources community were provided by Ms. Kimberly Redman, President, American Cultural Resources Association and by Mr. Mark Warner, President, Society for Historical Archaeology (Attachment 2, pages 47 and 53).

(e) The center measurably improves cost-effectiveness for the function within the Corps. (f) The center measurably improves the quality of the function within the Corps. (g) The center measurably improves responsiveness to the customer and the speed of accomplishing the function within the Corps.

Topics e, f, and g will be addressed together below for the different functional areas of expertise maintained by MCX CMAC. The numerous letters of support (Attachment 2), in addition to the awards received by MCX CMAC (Attachment 3), illustrate how the services are an asset to USACE and numerous customers.

Numerous statutes and regulations require federal land-managing agencies to administer and curate their archaeological materials and associated documentation according to accepted professional standards [Antiquities Act of 1906, 36 CFR Part 79, Curation of Federally-Owned and Administered Archaeological Collections, the Archaeological Resources Protection Act (ARPA), the National Historic Preservation Act of 1966, as amended (NHPA), and the Native American Graves Protection and Repatriation Act (NAGPRA)]. These laws require that USACE ensures that the results of archaeological endeavors (the collections) are available to the public, that the collections are curated and managed properly, and that certain types of cultural items are returned to culturally affiliated tribes.

MCX CMAC USACE NAGPRA and Curation

Prior to the establishment of MCX CMAC, insufficient O&M funds prevented USACE and its MSCs from consistently and effectively addressing their NAGPRA and curation responsibilities. USACE districts were pursuing compliance with NAGPRA and curation guidelines in an inefficient and ad hoc manner. Additionally, compliance was, and continues to be, a collateral duty for district archaeologists, carried out in addition to the cultural resources tasks required for districts to proceed with their core missions. No districts have ever had the expertise or capability to address the collections issues at the scale and level necessary to achieve successful Agency compliance. When establishing the MCX CMAC 24 years ago, MG Stanley Genega recognized the need for a centralized program for collection management.

With the designation of MCX CMAC, USACE compliance with NAGPRA and curation regulations took giant strides in ensuring quality, cost effectiveness, and responsiveness. No longer are districts required to stop and start the process based on funding or lack of technical expertise. MCX CMAC established standardized, uniform NAGPRA and curation procedures, distributed standardized forms for data collection, and worked with each district to ensure compliance tasks were addressed consistently. The development of a controlled vocabulary, standardized forms, and conventions ensures that consistent information and a level of detail regarding collections are collected for all USACE collections. Importantly, working with senior operations personnel from USACE HQ, the MCX CMAC has been able to develop a realistic budget and timeline to carry out the requirements of curation and NAGPRA.

When MCX CMAC was established, few USACE districts knew the extent of their collections that required NAGPRA compliance, less than 11% of USACE districts had completed NAGPRA summary requirements, no districts had completed their full inventory requirements, no compliance documents were filed with the National NAGPRA Program within the Department of Interior, and no human remains or funerary objects had been returned to Native American tribes under NAGPRA. Since the inception of MCX CMAC, compliance has dramatically increased. In 2009, the USACE achieved 100% compliance with summary submittal, and at the close of FY18, 79 compliance Notices have been filed with the National NAGPRA program, and 1,808 sets of human remains and 247,901 funerary objects have been returned to culturally affiliated or aboriginal Indian tribes. While much work for compliance still remains, the standards set, maintained, and carried out by MCX CMAC will see that quality, cost effective progress is made across all districts.

Prior to the establishment of MCX CMAC, the full extent and condition of USACE collections was unknown. USACE leaders lacked the information needed to assess the time, cost, and resources required to bring collections up to standards and make them accessible to the public. The little work that was being carried out by districts was independent and lacked national standardization for gathering curation data. By consolidating archaeological curation expertise into MCX CMAC, information was gathered in a standardized manner. MCX CMAC has ensured that all USACE

collections—totaling over 47,000 cubic feet—have been assessed by curation professionals following uniform standards, and the full extent of USACE’s responsibilities are now known. Current data shows that there are over 150 repositories that house federal collections, 93 (60%) of which are not compliant with curation regulations). Additionally, fewer than 15% of collections are housed up to federal standards within these repositories (e.g., inappropriate or compromised primary and secondary containers).

The dispersed locations of these collections, and the different ways they are organized and cared for, make comprehensive management, oversight, and public access difficult and inefficient. USACE leadership understood the need to gain physical and administrative control in order to ensure their long-term preservation. After a successful pilot project in the Mississippi Valley Division from 2014-2016, where MCX CMAC consolidated collections from 22 repositories to three regional centers, in September 2017, the Director of Civil Works, Mr. James Dalton directed that all USACE collections be identified and coalesced into regional centers. Mr. Dalton named the MCX CMAC as the Regionalization Program Manager.

MCX CMAC is currently working with MSCs and districts to develop consolidation analysis reports that coalesce collections data by district and provide recommendations for regionalization to each division. Through consolidation, MCX CMAC will ensure that USACE’s curation program optimizes cost, efficiently addresses the needs of the collections, provides for appropriate access to the collection while ensuring that USACE complies with the required federal standards for the long term preservation of these significant resources.

MCX CMAC has been assisting Tulsa District with NAGPRA and curation needs for over 15 years. When queried about the recertification of the MCX CMAC in December 2018, Mr. Stephen Nolen, Chief Natural Resources and Recreation Branch, responded.

Tulsa District...has considerable responsibility administering one of the largest NAGPRA programs [in the Corps of Engineers]. Additionally, Tulsa District manages one of the largest collections of archaeological material in the Corps. Unfortunately, Tulsa’s O&M budget is not commensurate with the size of the District’s O&M program, and planning O&M expenditures is challenging. Curation, and particularly NAGPRA, projects must compete with normal district operation and maintenance needs. Assistance from the MCX has enabled Tulsa District to conduct NAGPRA inventories of a large volume of archaeological collections from 35 operating projects and five locks and dams. Without MCX funding and technical assistance, this work would not have been accomplished. Similarly, MCX funding and technical assistance has been critical in the stabilization and repacking of significant Tulsa District archaeological collection (Attachment 2, page 35).

Veterans Curation Program (VCP)

In 2009, the MCX CMAC initiated a groundbreaking endeavor, the Veterans Curation Program (VCP). This program employs and trains veterans in archaeological curation processing, with professionals to guide and mentor them, as many have traumatic brain injury and post-traumatic stress syndrome. In addition to providing veterans with tangible work skills through the rehabilitation and preservation of archaeological collections, the VCP advances the public stewardship of USACE archaeological collections.

During their training, veterans acquire and improve skills in a variety of areas, including photography, database management, software proficiency, and records management, while bringing USACE collections up to federal standards.

Due to the great success of the original three VCP labs, the program was formally recognized by Congress in July 2016 by P.L. 114-189. Since that time, the MCX CMAC has opened an additional four satellite VCP locations. Through FY18, the VCP has trained 515 veterans. Of these, 91% have attained employment or chosen to continue their education at colleges and universities. In FY19, the VCP will train at least 88 veterans. Additionally, the VCP has ensured the rehabilitation of archaeological collections from 17 USACE districts.

MCX CMAC VCP staff have been recognized for their hard work and dedication to supporting our Nation's veterans. In 2016 and 2017, respectively, MCX CMAC staff received the USACE Wounded Warrior Support Excellence and Achievement Team Award and the USACE Wounded Warrior Support Excellence and Achievement Individual Award.

MCX CMAC Archaeological Support

In addition to the Center's work in NAGPRA and curation, MCX CMAC provides archaeological support to USACE districts, acting as a force multiplier, available on short notice and providing cost effective services. For example, in 2017, MCX CMAC provided support to Rock Island District by conducting an archaeological resource damage assessment at a looted Middle Woodland mound. The field work and report provides the technical evidence that is essential to enforce the criminal and civil penalty sections of ARPA. As noted by Ms. Jodi Cressell, Rock Island Chief, Environmental Planning Branch, "The MCX-CMAC's critical work greatly assists District compliance with numerous federal laws and regulations. The MCX-CMAC maintains a professional, prompt, and well-organized staff guided by technical expertise and offering sound, innovative solutions. Recertification is in the best interest of the District and the wider Corps of Engineers" (Attachment 2, page 41).

MCX CMAC Cultural Resources Contracting

In 2017, the MCX-CMAC grew the Center's cultural resources contracting portfolio from a capacity of \$12,000,000 to \$52,000,000. The growth of the portfolio in 2017 was only possible because of the proven track record in contract management for archaeological and curation support. The MCX-CMAC supports numerous USACE districts as well as federal agencies with cultural resources contracting needs, and in 2020 will award an archaeological contract for five years with a capacity of \$83,000,000. This is the largest contract vehicle specifically for cultural resources services within USACE. Cultural resources projects are critical to district and customer success, as larger projects often hinge on the completion of the cultural resources work; if cultural resources schedules slip, the entire project schedule may slip. Without the Center's contracting capacity and the expertise to manage dozens of simultaneous task orders, numerous districts and DoD agencies would be unable to complete the necessary cultural resources tasks critical to their larger mission.

Little Rock District testifies to the success of MCX CMAC cultural resources contract support—"The St. Louis MCX CMAC's nationwide contract for cultural resources has enabled me to ensure that the Little Rock District is Section 106 compliant on projects...The speed and professionalism at which the MCX has demonstrated...in getting boots on the ground, providing cultural resources products for consultation, in all aspects is superb and I consider unrivaled" (Attachment 2, page 33).

MCX CMAC Collections Support

MCX CMAC's work for Fort Belvoir highlights the cost-effectiveness, timeliness, and quality of MCX CMAC's work for others. In 2012, Fort Belvoir engaged the MCX CMAC to completely rehabilitate their archaeological collections. Over two years, the MCX CMAC cleaned, catalogued, stabilized, and organized all of Fort Belvoir's archaeological collections (over 161,000 artifacts or 200 cubic feet), which are now housed in the Fairfax County Park Authorities' Archaeological and Collections Branch (FCPA ACB). Ms. Aimee Wells, Collections Manager at FCPA ACB, commented on the Center's work.

Their work was of the highest quality and has served as a model for follow-on curation work that the FCPA ACB has done on non-federal collections...I was and continue to be impressed with the professionalism and proficiency of the staff at the MCX CMAC. Our own very similar collections remediation work has taken, on average, 30% longer to complete than the team of experts at MCX CMAC. Their work can and should serve as a model for all federal agencies to follow (Attachment 2, page 38).

MCX CMAC Forensic Support

Based on MCX CMAC's responsiveness and ability to coordinate the functions of multidisciplinary teams across districts and agencies, MCX CMAC's forensic archaeological capabilities have grown over the last five years, in support of both agencies within the Department of Defense and USACE. The Center's work is exemplified by projects for the Army National Military Cemeteries (ANMC), the Defense POW/MIAA Accounting Agency (DPAA), and Nashville District.

In February 2014, ANMC contacted MCX CMAC regarding the necessity to disinter burials at two abandoned military cemeteries on Governors Island, New York City, that were in danger of being disturbed by the placement of new waterlines. Over a two week period in July and August 2014, MCX CMAC led a team that recovered the partial remains of 29 individuals, who were later reinterred at Cypress Hills National Cemetery. Based on the quality and responsiveness of MCX CMAC's work, ANMC engaged MCX CMAC again in 2016.

First, in October 2016 ANMC contacted MCX CMAC to assist in the emergency recovery of a historically significant burial at West Point that was accidentally disturbed by contractors during construction. In less than three weeks, MCX CMAC mobilized a team and coordinated with contractors, West Point, ANMC, USACE New York District, and the New York State Historic Preservation Office, to safely and successfully complete the mitigation.

Second, and also in 2016, ANMC retained MCX CMAC to assist with historical, tribal, and archaeological services at the Carlisle Indian School Cemetery. The Carlisle Indian School was operated by the Bureau of Indian Affairs between 1879 and 1918 and the Indian Cemetery was designated for the burial of Native American students who died while attending the school. A total of 179 Native American students buried in the cemetery were moved to the current location of the Carlisle Barracks Post Cemetery in 1927. In 2016, ANMC had agreed to honor families' request for the return of children for reinterment in their ancestral homelands. ANMC turned to MCX CMAC. After archival and ground penetrating radar research, MCX CMAC led efforts in both 2017 and 2018 for the disinterment and transfer of a total of six individuals to their tribal families. In 2019, MCX MCAC anticipates directing the disinterment of at least eleven individuals. This model project has succeeded because of MCX CMAC's ability to incorporate

professional forensic technical experts and USACE tribal consultants who worked with the Native families.

COL Jerry Farnsworth II, Chief of Staff, Army National Military Cemeteries praised MCX CMAC staff and leadership to be “consistently timely, responsive, technically correct and client friendly in their work.” He continues to state that “MCX CMAC has proven to be invaluable to ANMC and ANC for the past five years handling highly complex, unusual and novel and in some cases extraordinarily high profile with the utmost professionalism, expertise and efficiency” (Attachment 2, page 48).

In October 2015, DPAA requested USACE support to help recover missing service members in South East Asia and the South Pacific. A Memorandum of Agreement (MOA) between the two agencies was signed in December 2015. DPAA’s mission is to provide for the fullest possible accounting of missing American service personnel to their families and to the Nation by conducting forensic archaeology around the world. MCX CMAC administers the DPAA program for USACE. MCX CMAC identifies and coordinates USACE archaeologists to serve on 35-45 day missions as Scientific Recovery Experts (SREs) in South East Asia and the South Pacific.

As the manager, MCX CMAC not only serves as the central point of contact for DPAA and USACE staff taking part in the missions, but ensures the proper funding, training, medical, and travel requirements are in place for each SRE. Since 2015, MCX CMAC has managed the use of 17 different archaeologist from 13 districts who have served on 26 separate missions. MCX CMAC’s hard work and dedication to the mission was recognized in Letters of Commendation from Ms. Jo-Ellen Darcy, Assistant Secretary of the Army, Civil Works, which were awarded to MCX CMAC staff supporting the project.

Finally, between 2017-2018, MCX CMAC supported Nashville District with the disinterment of 61 burials within the Wix Howard Cemetery, Loyall, Kentucky. The work was completed over a nine day period in March 2018. In the early 1990’s a Civil Works Flood Control Project for Harlan County diverted the flow of the Cumberland River around the City of Loyall by cutting a new river channel. The bypass channel was cut directly through a portion of Wix Howard Cemetery. Due to heavy rains and poor drainage conditions, in the winter of 2016, a portion of a hill side slumped creating a 50 foot long scarp. The scarp has subsided between two to eight feet in some sections, jeopardizing the integrity of numerous graves.

Project success was facilitated by the efficient and synergistic cooperation between staff from the Nashville District, the Cemetery, the St. Louis District, and contractors. As noted by Mr. Timothy A. Higgs, Chief Environmental Section, Project Planning Branch, Nashville District, “the MX CMAC contracting approach, which blended Corps and Contractor expertise, proved to be flexible and efficient. The results provided sensitive and respectful treatment of burials, as well as financial efficiency for the Corps” (Attachment 2, page 51).

(h) The function cannot be eliminated without adversely affecting the USACE mission.

MCX CMAC USACE Support

The elimination of the MCX CMAC would have a significant impact on the USACE mission. Numerous statutes and regulations require federally funded construction and land managing agencies to properly curate and manage their archaeological collections (listed in response to e, f, and g). Preservation laws and regulations are based on the principle that agencies have removed or will remove sites from the ground in advance of constructing public project. These agencies must balance the need for the construction of public works that damage archaeological sites in exchange for the analysis and curation of the sites' remains—the archaeological collections. The collections represent the sites, which have a social and scientific value to the larger public. These collections are part of USACE's stewardship responsibility, and MCX CMAC addresses these stewardship responsibilities for USACE in an effective centralized program.

Without MCX CMAC, a consistent, centralized NAGPRA and curation program would be fragmented into 38 individual district programs, some with limited or no appropriate professional technical oversight. Professional archaeological staff within USACE primarily focuses on operations, environmental planning, and regulatory assistance. Without the MCX-CMAC, it would be necessary to take time, funds, and staff from that work, which ensures district projects proceed on schedule. MCX CMAC's focus on USACE curation and collections management enables USACE to proceed and lead, unfettered, with its core engineering and construction missions.

In addition, no USACE district or DoD entity maintains the professional and technical staff necessary to address the wide variety of technical proficiencies such as NAGPRA, curation, collections management, expeditionary archaeology, forensics, and archives. Individual districts would be forced to initiate diverse processes to address NAGPRA and curation needs and to secure funding to complete these tasks. With no standardized attempts at curation compliance and no central data management, the advantages of the centralized program would be lost. NAGPRA compliance, rehabilitation of collections, and curation improvements would be inconsistently funded and there would be no quality control. The economy of scale achieved by the national program would be lost. Any integrated system, if not maintained consistently, will ultimately fail. Administrative costs would increase as the individual districts provide funding and technical support for NAGPRA and curation. The schedule for completion of NAGPRA compliance activities and collections rehabilitation will be jeopardized. USACE collections would deteriorate along with the reputation of USACE—to the general public, Native Americans, and Congress—as stewards of our cultural and natural environments.

Mr. Stephen L. Nolen, Chief, Tulsa District's Natural Resources and Recreation Branch, notes that the MCX CMAC provides a critical source of specialized expertise.

Tulsa District maintains archaeological expertise, but is unable to provide expertise in physical anthropology, cultural anthropology, and archives management. Each of these academic disciplines is critical in executing NAGPRA and curation programs. However, most districts – including Tulsa – do not have the personnel depth to retain these specialized types of positions...In short, the MCX has a multiplier effect on resources critical to the Corps' nation-wide NAGPRA and archaeological curation programs (Attachment 2, page 35).

Mr. John Campbell, Fort Worth District archaeologist, also attests to the critical nature of the Center's work. "The primary benefit of the MCX is that, because of their reach across the USACE, they are able to maintain the kind of expertise (museum studies and collections management) and collections related contracts that our districts cannot sustain full time, but for which we have a real need...I know that our districts within the Regional Planning and Environmental Center will need to call upon the services and experience of the MCX on future projects" (Attachment 2, page 58).

Veterans Curation Program (VCP)

Without MCX CMAC, the highly successful Veteran's Curation Program (VCP) would discontinue. The program, while fulfilling USACE's obligation for curation and management of collections, also provides training that benefits veterans. MCX CMAC, working with contracted firms, provides five months of job training that pays veterans to rehabilitate collections while learning database and collections management skills. These skills, supplemented by tutorials in resume building and a general increase in confidence, translate to the civilian workplace. At the close of FY18, 515 veterans have been trained and employed by the program, with 91% obtaining permanent employment or choosing to continue their education. In FY19, at least 88 veterans will be trained. The impact of this program on the lives of these veterans and their families has been profound. During written exit interviews of veterans graduating from the program in 2018, the following statements were made:

VCP saved my life...I am more confident about my capability to adapt and overcome hardships.

This has been a wonderful experience for me because it has given me the strength to re-enter the workforce.

I felt that the VCP afforded me endless opportunities to succeed and grow as a professional through the guest speakers, networking, and the skill taught throughout the session.

It has been positive, being in a professional environment saturated with other veterans so that the pressure to be fully adapted wasn't as tough.

This was the first office job I have held since 2011, and it was absolutely the experience I had hoped for and more. My anxiety related to the work place has prevented me from feeling confident and safe at work, therefore preventing me from looking for jobs in an office. Now, I am eager to find a job where I can grow and contribute like I did here.

The VCP has given me the confidence that is needed to excel in any employment position. I gained confidence by being able to quickly learn so many aspects of a particular job in such a short amount of time.

Were it not for MCX CMAC, the need for such a program would never have been identified and acted upon. While private archaeological firms can rehabilitate collections, they have no incentive to develop programs to rehabilitate collections while positively impacting and supporting our Nation by employing and training veterans. The continuation of the MCX CMAC's VCP is essential to USACE's mission of

cultural resources stewardship and providing services that positively impact the mission to support the warfighter.

MCX CMAC Support for other Agencies

MCX CMAC's support to agencies within the DoD are, and will continue to be, critical to mission success. In April 2018, MCX CMAC was named the Cultural Resources Enterprise Program Manager of the U.S. Army Installation Management Command (IMCOM) in order to better leverage USACE capabilities, find efficiencies, and streamline coordination with multiple districts for cultural resources support to IMCOM. MCX CMAC was selected based on the proven track record of technical expertise and maintenance of professional staff in numerous areas of cultural resources. MCX CMAC's role as the Program Manager is critical to installation success. As noted by Ms. Kathleen McLaughlin, Army Deputy Federal Preservation Officer DAIM-ISE, "Headquarters Army, as well as Army Commands and installations have found your staff [MCX CMAC] to be consistently prompt, technically accurate, well organized, and willing to assist in challenging situations. For these reasons, DAIM-ISE has come to rely on MCX CMAC services" (Attachment 2, page 39).

(i) The private sector does not have the required technical ability, experience, and resources to perform the function in a responsive, cost-effective manner, nor could this technology be easily transferred to the private sector.

The functions that MCX CMAC serve are not available from the private sector in a consolidated program. This is due to the specialized nature of the work and the national and international scales on which MCX CMAC operates. MCX CMAC has captured the market for federal agencies in archaeological curation and NAGPRA compliance and has convincingly maintained the majority of this work because of the ability to perform collections, records, and forensic archaeological work together on a national and regional scale, coupled with the ability to assist with Native American consultation. Private contractors and museums are not familiar with USACE or federal policies and procedures in this area, nor, in most cases, are they willing to spend the necessary training dollars to educate their archaeologists in professional museum and curation practices.

Private sector archaeological firms can be contracted to do small portions of NAGPRA or curation work, but this reduces the efficiency and quality of the work on a national scale. MCX CMAC is able to merge the tasks of NAGPRA, records management, collections management, collections rehabilitation, curation facility design, and forensic archaeology seamlessly. No contracting organization exists that can perform these tasks concurrently. Additionally, the sovereign nation status of Native American tribes require government-to-government consultation with Native American tribes during any archaeological compliance activities. Consultation is an inherently governmental task and simply cannot be performed by a private sector firm (Department of Defense Instruction 4710.02, 14 September 2006; Executive Order 13084, 29 April 1994.)

MCX CMAC's military work cannot be served by the private sector. The unique positioning of MCX CMAC within an expeditionary, military agency supports the deployment of technical staff with proper levels of security clearance during overseas contingency operations in an efficient and expedited manner. The ability to mobilize quickly, coupled with expertise in archaeological excavation, forensic data collection, design of on-site forensic evaluation facilities, and document/records management, is not found in the private sector.

(j) No Corps laboratory has the required technical ability, experience, resources, capacity, and customers to perform the function in a responsive, cost-effective manner. (k) No other Corps center of expertise has the required technical capability, experience, resources, and customers to perform the function in a responsive, cost-effective manner. (l) No two centers of expertise with a similar mission could be combined to perform this function in a responsive, cost-effective manner.

The attached spreadsheets (Attachments 4 and 5) show that no USACE laboratory or Center of Expertise has the technical capability, experience, and resources to perform the functions of MCX CMAC in a responsive, cost-effective manner. Additionally, no two Centers have a mission that is similar to MCX CMAC, nor would combining two Centers produce a group with the technical knowledge and skills embodied by the MCX CMAC. A newly established Tribal Nations Technical Center of Expertise (TNTCX) has a mission to improve the delivery of water resources projects to Indian tribes, which is outside the area of consultation completed by the MCX CMAC.

The MCX CMAC is the only office dedicated to (a) addressing the curation and management of all USACE archaeological collections through the establishment of regional centers and standardized curation procedures, (b) supporting the war-fighter through the Veterans Curation Program; (c) ensuring USACE-wide compliance with NAGPRA, including centralized management of NAGPRA data and through established protocols and procedures; (d) providing forensic archaeological services; and (e) delivering appropriate archaeological, collections management, and archival technical staff to support DoD installations, including support to overseas contingency operations targeting our national security.

Within USACE, the Center maintains the only collection of technical staff with the expertise and sufficient numbers to conduct the work on a national and international scale. MCX CMAC personnel include eight archaeologists with field experience through the United States, Middle East, and South East Asia, four physical anthropologists with experience in all aspects of human skeletal analysis and NAGPRA compliance, five archivists with extensive knowledge in federal records management, knowledge management and archival practices, five collection management/curation specialists, and one tribal liaison who supports the center's work through consultation with Indian tribes. Staff with advanced degrees include two PhDs, 10 Master's degrees, seven registered professional archaeologists, two certified digital archives specialists, two certified federal records managers, five contracting officer representatives, and two certified project management professionals. In summary, the constellation of documented capabilities provided for by MCX CMAC staff are not found, even in part, among the other USACE laboratories or centers of expertise.

Attachment 1. MCX CMAC Mission and Function Documents



DEPARTMENT OF THE ARMY
U.S. Army Corps of Engineers
WASHINGTON, D.C. 20314-1000

REPLY TO
ATTENTION OF:

CECW-ON

7 DEC 1994

MEMORANDUM FOR COMMANDERS, MAJOR SUBORDINATE COMMANDS

SUBJECT: Establishment of a Mandatory Center of Expertise for the Curation and Management of Archeological Collections

1. Reference memorandum, CECW-AO, 9 September 1994, subject: Proposal to Establish an U.S. Army Corps of Engineers Mandatory Center of Expertise for the Curation and Management of Archeological Collections.

2. As mentioned in the referenced memo, I have considered the establishment of a mandatory center of expertise (MCX) for curation and management of the Corps archeological collections. I appreciate the comments that several of you provided regarding the proposal. Upon review of these comments and discussions with the HQUSACE staff I have decided to establish the MCX at the St. Louis District.

3. Establishment of the MCX is based on the following principles:

a. Establishment of the MCX will not abrogate ongoing FY 94 contracts.

b. The MCX will not abrogate ongoing Corps/Tribal consultations. The MCX will allocate funds to districts to support continued consultations with the tribes.

c. There will be no impact on district or MSC PTE or funding levels.

d. St. Louis will not be a central repository for all curated items.

e. Collections recovered as a result of USACE Regulatory Program activities will not be subject to MCX authority, unless the MCX is specifically requested to provide assistance by HQUSACE (CECW-OR) or a USACE command.

f. For Civil Works planning and pre-construction studies, and Continuing Authorities efforts, the MCX will not provide curation or NAGPRA funding. These curation and NAGPRA activities will continue to be funded through project channels. The MCX will, however, provide technical assistance on curation activities when specifically requested by a USACE command.

4. In addition, a field review group will be established to review progress on Native American Graves Protection and

CECW-ON

SUBJECT: Establishment of a Mandatory Center of Expertise for the Curation and Management of Archeological Collections

Repatriation Act (NAGPRA) compliance as well as curation issues. In support of this effort, I ask that each MSC nominate one knowledgeable and experienced person to serve on this review group. I would like the group to consist of members from both the districts and MSCs. My current thought is to have this group meet once a year and provide recommendations to the director of the MCX. Travel and per diem costs will be borne by the element supplying the nominee.

5. As a result of the decision to establish the MCX, HQUSACE will not make allocations to fund district NAGPRA compliance efforts. These funds will be allocated to the MCX which will be responsible for handling your NAGPRA compliance needs.

6. I have enclosed a copy of the charter for the MCX. We will amend ER 1110-3-109 to include this MCX.

7. The point of contacts for this effort are Paul Rubenstein, Policy Review and Analysis Division (for technical and curation policies), 202-272-0166, and George Tabb, Operations, Construction and Readiness Division (for funding and operations issues), 202-272-1791.

Encl

CF: CECW-P
CECW-OR
CECC-E



STANLEY G. GENECA
Major General, USA
Director of Civil Works

ER 1110-3-109
Undated Revision.

APPENDIX F

MCX MISSION AND FUNCTION STATEMENTS

F-xxx. ARCHEOLOGICAL CURATION AND COLLECTIONS MANAGEMENT.

a. Mission. The Mandatory Center of Expertise (MCX) for Archeological Curation and Collections Management in St. Louis District (CELMS), will maintain state-of-the-art technical expertise in curation of archeological collections, collections management (including data-base development), and special purpose designs and construction requirements of curation facilities. The MCX will provide HQUSACE and USACE Commands with program guidance, technology transfer, and inter-agency coordination for the curation of archeological collections. The MCX will manage all USACE curation needs assessments and design services for the curation of archeological collections. When MCX staff and services are available, CELMS will, on a reimbursable basis, assist other Army MACOMS; DoD Services and Agencies; and other Federal, State and local Government agencies.

b. Functions. The MCX will perform the following functions:

(1) Support HQUSACE in the development of standards, guidelines and policy on the curation of archeological materials and associated documentation that, together, comprise archeological collections.

(2) Investigate and inspect USACE archeological collections and prepare and review reports concerning the curation of these archeological collections.

(3) For USACE Commands (and when staff and services are available for other Army MACOMS, DoD Services and Agencies, and other agencies), the MCX will:

(a) prepare scopes of work, economic analyses and cost estimates for curation of archeological collections;

(b) design, develop and manage facilities for the curation of archeological collections;

(c) ensure USACE compliance with the curation and/or data requirements mandated by Public Law 101-601, Native American Graves Protection and Repatriation Act (NAGPRA);

(d) ensure USACE compliance with the curation and/or data requirements mandated by 36 CFR Part 79, Curation of

12/DEC 05 '94 12:15PM CESADU+DUGG
ER 1110-3-109
Undated Revision

Federally-Owned and Administered Archeological Collections, and
ER 1130-2-433, Collections Management and Curation of
Archeological and Historical Data; and

(e) inspect curation facilities that house USACE
collections to evaluate storage procedures and conditions.

(4) Maintain liaison with the Department of the Interior
through the National Park Service; The Smithsonian Institution;
archeological, museum, and conservation professional societies;
and other organizations in order to advise USACE on latest
developments, technology, and advances in the curation of
archeological collections.

(5) Attend and participate in meetings, conferences, and
training on the curation of archeological collections and related
topics to keep apprised of current technology and advances.

(6) Manage the activities of a Curation Field Review Group
(CFRG) that will include a representative from each USACE Major
Subordinate Command (MSC). Members of the CFRG will normally
serve one (1) three-year term and the members will select a Group
Chair and Vice-Chair. The CFRG will meet annually with the MCX
Director and a representative from HQUSACE. The CFRG will:

(a) review USACE's progress in compliance with NAGPRA,
36 CFR Part 79, and any new legislative or regulatory
requirements related to the curation of archeological
collections;

(b) make recommendations regarding the operations and
activities of the MCX to ensure optimal efficiency and relevance
of efforts to the needs of USACE Commands;

(c) assist the MCX in the dissemination of information
on the MCX's activities to USACE Commands not represented in the
group.

MEMORANDUM FOR THE RECORD

SUBJECT: Amending the Mission and Function Statement for the Mandatory Center of Expertise (MCX) for Curation and Management of Archeological Collections (CMAC)

1. Reference:

a. CECW-ZA Memorandum, dated 7 December 1994, subject: Establishment of a Mandatory Center of Expertise for the Curation and Management of Archeological Collections.

b. ER 1110-1-8158, Engineering and Design: CORPS – WIDE CENTERS OF EXPERTISE, dated 16 January 1998.

c. CECW-E Memorandum, dated 10 August 1998, subject: Corps-Wide Centers of Expertise Program.

2. The charter for MCX CMAC was established by the U.S. Army Corps of Engineers Director of Civil Works in reference 1a. A more detailed Mission and Function Statement is contained in Appendix F. of reference 1b. MCX CMAC was recertified with the publication of reference 1b and the location of its Mission and Function Statement was established on the Internet with other Corps-Wide Centers of Expertise in reference 1c.

3. As the office of the MCX CMAC HQUSACE Proponent, we are responding to a request from the center to amend its Mission and Function Statement, as follows.

a. Paragraph a. Mission, the first sentence will be amended by adding “. . . special purpose designs and construction requirements of curation facilities, ***mass graves investigations, mass disaster fatalities recovery, forensic support to other governmental and non-governmental entities, and archival/historic cartographic investigations to assist military and information gathering entities***”.

b. Paragraph b. Functions, insert new subparagraph:

(4) For USACE and other governmental and non-governmental agencies, MCX will perform investigations, conduct training and develop and maintain comprehensive integrated databases for:

(a) Mass graves recovery missions;

(b) Mass disaster fatalities recovery and management;

CECW-CP

SUBJECT: Amending the Mission and Function Statement for the Mandatory Center of Expertise (MCX) for Curation and Management of Archeological Collections (CMAC)

(c) Forensic support to governmental and non-governmental agencies; and

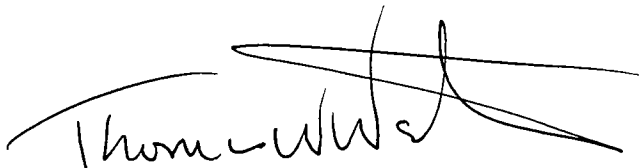
(d) Archival and historic cartographic research in support of military and information gathering entities.

4. The amendments above:

a. Are not controversial;

b. Are consistent with work already accomplished and/or is being considered for implementation by MCX CMAC.

c. Do not commit appropriations, other funds or staff resources unless approved by the Corps St. Louis District Commander.

A handwritten signature in black ink, appearing to read 'Thomas W. Waters', with a large, sweeping horizontal stroke extending to the right.

THOMAS W. WATERS, P.E.
Chief, Policy and Planning Division
Directorate of Civil Works

APPENDIX F

MCX MISSION AND FUNCTION STATEMENTS

F-xxxx. ARCHEOLOGICAL CURATION AND COLLECTIONS MANAGEMENT.

a. Mission. The Mandatory Center of Expertise (MCX) for Archeological Curation and Collections Management in St. Louis District (CEMVS), will maintain state-of-the-art technical expertise in curation of archeological collections, collections management (including historic properties database and website development), special purpose designs and construction requirements of curation facilities, mass graves investigations, mass disaster fatalities recovery (in support of FEMA), forensic support to USG agencies, and archival/historic cartographic investigations to assist military and intelligence agencies.. The MCX will provide HQUSACE and USACE Commands with program guidance, technology transfer, and inter-agency coordination for the curation of archeological collections. The MCX will manage all USACE curation needs assessments and design services for the curation of archeological collections. When MCX staff and services are available, CEMVS will, on a reimbursable basis, assist other Army MACOMs, DoD Services and Agencies, and other Federal, State and local Government agencies.

b. Functions. The MCX will perform the following functions:

(1) Support HQUSACE in the development of standards, guidelines, and policy on the curation of archeological materials and associated documentation that, together, comprise archeological collections.

(2) Investigate and inspect USACE archeological collections and prepare and review reports concerning the curation of these archeological collections.

(3) For USACE Commands (and when staff and services are available for other Army MACOMs, DoD Services and Agencies, and other agencies), the MCX will:

(a) prepare scopes of work, economic analyses and cost estimates for curation of archeological collections;

(b) design, develop, and manage facilities for the curation of archeological collections;

(c) ensure USACE compliance with the curation and/or data requirements mandated by Public Law 101-601, Native American Graves Protection and Repatriation Act (NAGPRA);

(d) ensure USACE compliance with the curation and/or data requirements mandated by 36 CFR Part 79, Curation of Federally-owned and Administered Archeological Collections, and ER 1130-2-433, Collections Management and Curation of Archeological and Historical Data;

(e) inspect curation facilities that house USACE collections to evaluate storage procedures and condition;

(f) develop, administer, and maintain historic properties databases and websites;

(4) For USACE and other agencies at National and International levels, MCX will perform investigations, conduct training, and develop and maintain comprehensive integrated databases for:

(a) mass graves recovery missions;

(b) mass disaster fatalities recovery and management;

(c) forensic support to USG agencies and local communities; and

(d) archival and historic cartographic research in support of military and intelligence agencies.

(5) Maintain liaison with the Department of the Interior through the National Park Service; The Smithsonian Institution; archaeological, museum, and conservation professional societies; and other organizations in order to advise USACE on latest developments, technology, and advances in the curation of archeological collections.

(6) Attend and participate in meetings, conferences, and training on the curation of archeological collections and related topics to keep apprised of current technology and advances.

(7) Manage the activities of a Curation Field Review Group (CFRG) that will include a representative from each USACE Major Subordinate Command (MSC). Members of the CFRG will normally serve one (1) three-year term and the members will select a Group Chair and Vice-Chair. The CFRG will meet annually with the MCX Director and a representative from HQUSACE. The CFRG will:

(a) review USACE's progress in compliance with NAGPRA, 36 CFR Part 79, and any new legislative or regulatory ER requirements related to the curation of archeological collections;

(b) make recommendations regarding the operations and activities of the MCX to ensure optimal efficiency and relevance of efforts to the needs of USACE Commands; and

(c) assist the MCX in the dissemination of information on the MCX's activities to USACE Commands not represented in the group.

Attachment 2. Letters of Support for MCX CMAC

From: [Riordan, Jennifer L CIV USARMY CEMVS \(US\)](#)
To: [Riordan, Jennifer L CIV USARMY CEMVS \(US\)](#)
Subject: FW: [Non-DoD Source] MCX CMAC Recertification
Date: Monday, December 10, 2018 5:26:59 PM

From: Gail Celmer <>
Sent: Monday, December 3, 2018 1:46 PM
To: "Farmer, Andrea A CIV (USA)" <Andrea.A.FARMER@usace.army.mil>
Subject: [Non-DoD Source] MCX CMAC Recertification

Ms Farmer,

This message is a letter of support for the upcoming recertification of the MCX CMAC. During the last several years I served as Regional Archeologist for the Northwestern Division. NWD was fortunate to have the capable assistance of MCX CMAC staff in several capacities including NAGPRA compliance for both Kansas City and Omaha Districts, and Collections Regionalization for all 5 NWD Districts. MCX staff worked diligently with staff from our 5 Districts to resolve complex problems related to curation and NAGPRA, including conducting successful tribal informational meetings to explain the nationwide collections regionalization initiative. We have found MCX staff to be very responsive, technically knowledgeable, and willing to help NWD with some difficult compliance issues which required flexibility and understanding of situations unique to NWD.

MCX CMAC is an important and necessary part of USACE and I fully support the recertification.

Thank You,

Gail Celmer
Regional Archeologis (Retired)
USACE, Northwestern Division

Dec 3, 2018

From: [Riordan, Jennifer L CIV USARMY CEMVS \(US\)](#)
To: [Riordan, Jennifer L CIV USARMY CEMVS \(US\)](#)
Subject: FW: MCX CMAC Letter of Support for Recertification
Date: Monday, December 10, 2018 5:17:49 PM

From: Sampson, Seth J CIV USARMY CESWF (US) <SETH.SAMPSON@usace.army.mil>
Date: December 4, 2018 at 12:15:52 PM EST
To: McPherson, Amy S CIV USARMY CEMVS (US) <Amy.S.Mcpherson@usace.army.mil>
Subject: MCX CMAC Letter of Support for Recertification

To Whom It May Concern,

The recertification of the MCX CMAC and their continued contracting support is of particular importance to myself as a Fort Worth/Little Rock District employee. As I have found out first hand, contracting capacity is not something that is readily available and/or offered. The St. Louis MCX CMAC's nationwide contract for cultural resources has enabled me to ensure the Little Rock District is Section 106 compliant on projects I am involved in within the District. Additionally, the MCX CMAC is actively assisting me in ensuring the Department of the Army is compliant with the provisions of NAGPRA in relation to Fort Wingate Depot Activity (FWDA), as well as providing contracting support to meet Section 110 efforts on FWDA. The speed and professionalism at which the MCX CMAC has demonstrated to myself and customers I work for in getting boots on the ground, providing cultural resource products for consultation, and overall interaction in all aspects is superb and I consider unrivaled. In my almost two years in this agency, no other group of individuals has been willing to help me in all aspects of contracting and provide meaningful instruction/guidance on contracting documents by phone/email. As long as the MCX CMAC exists, this group of individuals will be my first choice for a contracting mechanism to reach compliance with Historic Preservation Law.

Respectfully,

Seth Sampson
Archaeologist, Technical Section
USACE Regional Planning & Environmental Center Little Rock, Arkansas
501-340-1049 (Office)
Seth.Sampson@usace.army.mil

From: [Riordan, Jennifer L CIV USARMY CEMVS \(US\)](#)
To: [Riordan, Jennifer L CIV USARMY CEMVS \(US\)](#)
Subject: FW: St. Louis District MCX
Date: Monday, December 10, 2018 5:18:44 PM

-----Original Message-----

From: Baker, Gregory A COL USARMY CMH (US) [<mailto:gregory.a.baker34.mil@mail.mil>]
Sent: Tuesday, December 4, 2018 4:17 PM
To: Riordan, Jennifer L CIV USARMY CEMVS (US) <Jennifer.Riordan@usace.army.mil>
Cc: Doss, John Casey LTC USARMY CMH (US) <john.c.doss3.mil@mail.mil>; Williams, Amy M CIV USARMY CEMVS (US) <Amy.M.Williams@usace.army.mil>
Subject: RE: St. Louis District MCX

Ms. Riordan ,

The Army Museum Enterprise (AME) would have extreme difficulty functioning without the assistance the MCX CMAC. The MCX CMAC provides nearly 90% of the AME's capability to conduct MACRO Artifact movements and nearly 50% of the capability for our MICRO artifact moves. The MCX CMAC has enabled the AME to re-align resources, conduct Museum closures and re-distribution of assets to meet Department of Army efficiency objectives.

The MCX CMAC also provides expert advisory services when it comes to artifact collection management and archival support. The CMAC is an essential member of the team that enables the Army to provide education and training services to our Army.

If you have any specific questions please feel free to contact me directly.

V/r COL Greg Baker

COL Gregory A. Baker
Director, Museum Directorate
Center of Military History
Army Museum Enterprise
Fort Belvoir, VA 22060
703-805-7475
Cell: 202-230-9744



DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS, TULSA DISTRICT
2488 EAST 81ST STREET
TULSA, OKLAHOMA 74137-4290

December 4, 2018

Operations Division

Dr. Michael K. Trimble
Mandatory Center of Expertise for the
Curation and Management of Archaeological
Collections (MCX-CMAC)
U.S. Army Corps of Engineers, St. Louis (CEMVS-ED-Z)
1222 Spruce St.
St. Louis, MO 63103

Dear Dr. Trimble:

This letter is to address the recertification of the U.S. Army Corps of Engineers' Mandatory Center of Expertise for the Curation and Management of Archaeological Collections (hereafter, MCX), located at the St. Louis District. The MCX performs a critical role for the Corps in assisting districts in compliance with the Native American Graves Protection and Repatriation Act (NAGPRA) and 36 CFR Part 79, Curation of Federally-Owned and Administered Archeological Collections. Without this assistance, many Corps districts would not have the resources, and in some cases expertise, to approach compliance with these important legal requirements.

Tulsa District has one of the largest Operations & Maintenance (O&M) responsibilities in the Corps of Engineers and accordingly has considerable responsibility administering one of the largest NAGPRA programs. Additionally, Tulsa District manages one of the largest collections of archaeological materials in the Corps. Unfortunately, Tulsa's O&M budget is not commensurate with the size of the District's O&M program, and planning O&M expenditures is challenging. Curation, and particularly NAGPRA, projects must compete with normal district operations and major maintenance needs.

Assistance from the MCX has enabled Tulsa District to conduct NAGPRA inventories of a large volume of archaeological collections derived from our 34 operating projects and five locks and dams. Without MCX funding and technical assistance, this work would not have been accomplished. Similarly, MCX funding and technical assistance has been critical in the

stabilization and repackaging of significant Tulsa District archaeological collections. Furthermore, the MCX's implementation of NAGPRA and curation standards and subsequent oversight - including the curation regionalization effort - has been important to not only to Tulsa's program, but to the Corps as a whole. For example, we are currently partnered with MCX in the effort to regionalize archaeological curation consistent with HQUSACE policy. While Tulsa District is developing a local opportunity, we are relying heavily on MCX expertise and cooperation, and our current vision together is to co-locate a Veteran's Curation Program (VCP) satellite office in our curation repository.

Beyond providing funding and technical assistance to address NAGPRA and archaeological curation responsibilities, the MCX provides a critical source of specialized expertise. Tulsa District maintains archaeological expertise, but is unable to provide some expertise in physical anthropology, cultural anthropology, and archives management. Each of these academic disciplines is critical in executing NAGPRA and curation programs. However, most districts - including Tulsa - do not have the personnel depth to retain these specialized types of positions, and acquisition of this expertise by contract is often not a cost-effective or functionally viable alternative. The MCX is therefore a critical component of these required cultural resources programs. In short, the MCX has a multiplier effect on resources critical to the Corps' nation-wide NAGPRA and archaeological curation programs.

In summary, Tulsa District - among many Corps districts - has benefitted tremendously from assistance provided by the MCX. With keen competition among divisions and districts for O&M funding likely to continue into the future we expect that our need for similar assistance from the MCX will only increase. Recertification of the MCX is therefore critical in our view, and should be accomplished in the best interests of Tulsa District and the Corps of Engineers as a whole. If you have questions, please contact Ken Shingleton at 918-669-7661.

Sincerely,

A handwritten signature in dark ink, appearing to read "Stephen L. Nolen", with a long horizontal line extending to the right.

Stephen L. Nolen
Chief, Natural Resources
and Recreation Branch



December 6, 2018

Ms. Catherine Leese, RPA
US Army Corps of Engineers EC-Z
1222 Spruce St.
St. Louis, MO 63103
cemvs.ec-z@usace.army.mil

Dear Ms. Leese:

It is our understanding that the U.S. Army Corps of Engineers Mandatory Center of Expertise for the Curation and Management of Archaeological Collections (MCX-CMAC) is in the process of re-certifying as an MCX. The Society for American Archaeology (SAA) offers its unqualified support toward that goal.

SAA is an international organization that, since its founding in 1934, has been dedicated to the research about and interpretation and protection of the archaeological heritage of the Americas. With more than 7,000 members, SAA represents professional archaeologists in colleges and universities, museums, government agencies, and the private sector. SAA has members in all 50 states as well as many other nations around the world.

The MCX-CMAC in the St. Louis District has, for more than twenty years, provided critical support and services to the science of archaeology and the preservation of archaeological collections. Its work involves the curation of ACOE artifacts, the recovery and rehabilitation of neglected collections, the support of the conservation efforts of other government agencies and non-governmental institutions, and numerous other duties. Its efforts help ensure the continued benefit of our shared cultural heritage represented by archaeological collections to scholars, affiliated peoples, and the public at large. In addition, innovative initiatives such as the Veterans Curation program as well as partnerships and collaborations with other institutions help broaden the knowledge of archaeology and history to a wider audience.

SAA strongly recommends the re-certification of the MCX-CMAC.

Regards,

A handwritten signature in black ink that reads "Susan M. Chandler".

Susan M. Chandler, RPA
President



County of Fairfax, Virginia

To protect and enrich the quality of life for the people, neighborhoods and diverse communities of Fairfax County

12 December 2018

Dear Dr. Trimble:

It is my great pleasure to be allowed to comment on the work completed by the team at the Mandatory Center of Expertise for the Curation and Management of Archaeological Collections in St. Louis (MCX CMAC).

I am an archaeologist and collections manager with the Fairfax County Park Authority's Archaeological and Collections Branch (FCPA ACB), and have been for the last decade. We are the repository for all archaeological material derived from excavations in the county, including at U.S. Army Garrison Fort Belvoir. The materials held by FCPA ACB for Fort Belvoir account for approximately one-quarter of all collections housed in our facility. It had been a goal of my agency, and me personally, to improve our collections management to meet current state and federal guidelines, as well as current industry best-practices. I enlisted the help of the Cultural Resource Manager at Fort Belvoir to update the collections belonging to the Army in 2011 in order to prepare for our own now completed accreditation process.

In 2012, in accordance with the guidelines set forth in 36 CFR 79- Curation of Federally-Owned and Administered Archeological Collections, FCPA and the Cultural Resource Program Manager at Fort Belvoir began to work with a team at MCX CMAC to completely overhaul the collections care of the objects from Fort Belvoir, many of which had been poorly curated by non-archaeologists in the mid-1900s, and others that derived from various archaeological projects at the garrison, but not curated to current industry standards.

Led by Amy Williams, the team at MCX CMAC worked over two years to clean, catalog, stabilize, house and organize all of Fort Belvoir's archaeological material. Their work was of the highest quality and has served as a model for follow-on curation work that the FCPA ACB has done on non-federal collections. This huge project could not have been completed without the specific expertise of archaeologists and trained collection's staff. The importance of having a team who were able to communicate using the same rather esoteric archaeological terminology and knowledge of archaeological field work practices cannot be dismissed, in fact, it was critical to completing the project. I was and continue to be impressed with the professionalism and proficiency of the staff at MCX CMAC. Our own very similar collections remediation work has taken, on average 30% longer to complete than the team of experts at MCX CMAC. Their work can and should serve as a model for all federal agencies to follow.

Sincerely,

Aimee Wells, M.A.

Collections Manager/Archaeologist

703-246-5765 aimee.wells@fairfaxcounty.gov

**Fairfax County Park Authority, Archaeology
and Collections Branch**

2855 Annandale Rd. Falls Church VA 22041

703-246-5765

www.fairfaxcounty.gov





DEPARTMENT OF THE ARMY
OFFICE OF THE ASSISTANT CHIEF OF STAFF FOR INSTALLATION MANAGEMENT
600 ARMY PENTAGON
WASHINGTON, DC 20310-0600

DAIM-ISE

13 Dec 2018

MEMORANDUM FOR Commander, St. Louis District, (CEMVS-EC-Z/Dr. Michael K. Trimble, Ph.D.), 1222 Spruce Street, St. Louis, MO 631003

SUBJECT: Mandatory Center of Expertise for the Curation and Management of Archaeological Collections (MCX-CMAC)

1. The Office of the Assistant Chief of Staff for Installation Management, Army Environmental Division (OACSIM DAIM-ISE) was recently made aware that the MCX-CMAC is scheduled for recertification. We would like to offer our support for your continued high quality services to the active Army.
2. For decades, MCX-CMAC has provided consistent and high quality technical assistance for archaeological work, Native American Graves Protection and Repatriation Act (NAGPRA), and management of archaeological collections.
3. Headquarters Army, as well as Army Commands and installations have found your staff to be consistently prompt, technically accurate, well organized, and willing to assist in challenging situations. For these reasons, DAIM-ISE has come to rely on MCX-CMAC services and enthusiastically urges the recertification of the MCX-CMAC in the St. Louis District.
4. Please contact me at 571-256-9726 if you require any additional information or details.

KATHLEEN MCLAUGHLIN
Army Deputy Federal Preservation Officer
DAIM-ISE

13 Dec 2018

MEMORANDUM FOR Commander, St. Louis District, (CEMVS-EC-Z/Dr. Michael K. Trimble, Ph.D.), 1222 Spruce Street, St. Louis, MO 631003

SUBJECT: Mandatory Center of Expertise for the Curation and Management of Archaeological Collections (MCX-CMAC)

1. The U.S. Air Force Civilian Engineering Center (AFCEC) was recently made aware that the MCX-CMAC is scheduled for recertification. We would offer our support for recertification because of MCX-CMAC's high quality services to the AFCEC.
2. MCX-CMAC's Amy Williams was an essential member of an AFCEC-lead team conducting archaeological fieldwork in Agadez, Niger in March 2017. Ms Williams and I completed the survey under hot dusty conditions and a tight schedule. We lived in tents, ate meals with deployed airmen, and worked daily with security forces and with the engineering squadrons building the new airbase. Rigorous and remote conditions required Ms Williams to frequently check GPS readings to keep us on track. She provided consistent and accurate archaeological survey and site mapping. We worked closely together after returning to the US to produce two survey reports. Ms Williams also developed a cultural resources management plan and a poster of archaeological materials so engineers and base workers could avoid damaging important resources. Communication was crucial between the MCX-CMAC in St. Louis, AFCEC in San Antonio, engineers at Ramstein AB, Germany, and Agadez base commanders to finalize the project. Ms Williams was always personable, professional, helpful, and thoughtful; she cheerfully worked the long hours required in tough conditions. She is a great representative of the good people at the MCX-CMAC.
3. In sum, we in AFCEC trust MCX-CMAC staff to be consistently prompt, technically accurate, well organized, and willing to assist in challenging situations. AFCEC and I unreservedly support recertification of the MCX-CMAC in the St. Louis District.
4. Please contact me at 210-925-5192 if you require additional information or details.

WILDE.JAMES. Digitally signed by
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D.1232187960 Date: 2018.12.11 07:50:10
-06'00'

Dr. James D Wilde
Deputy Federal Preservation Officer Air Force
Cultural Resources SME, AFCEC/CZTQ

Regional Planning and Environmental
Division North (RPEDN)

Dr. Michael K. Trimble
MCX-CMAC
USACE St. Louis District (CEMVS-ED-Z)
1222 Spruce Street
St. Louis, MO 63103

Dear Dr. Trimble:

The U.S. Army Corps of Engineers, Rock Island District (District) strongly supports the recertification of the Mandatory Center of Expertise for the Curation and Management of Archaeological Collections (MCX-CMAC). The MCX-CMAC provides expertise not available elsewhere in the Corps of Engineers, particularly in the areas of damage assessment investigations, compliance with the Native American Graves Protection Act (NAGPRA), and curation consolidation.

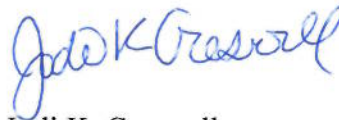
With a quick turnaround time from the District's 2017 request for services to the MCX-CMAC's report completion, the MCX-CMAC conducted a cost-effective Archeological Resource Damage Assessment at a looted Middle Woodland mound (Putney Landing site 11HE3) situated on District fee title land. This report forms much of the technical (archeological) evidence essential to enforce the criminal and civil penalty sections of the Archeological Resources Protection Act (ARPA). Only a meticulous and informed staff knowledgeable in specialized fieldwork, value and cost determinations, laboratory processing, and chain-of-custody procedures can prepare a damage assessment report that enables a successful court conviction. The MCX-CMAC's report forms a major part of ongoing joint District and U.S. Fish and Wildlife Service investigations at 11HE3.

The MCX-CMAC provides technical guidance and fiscal support related to completion of the District's NAGPRA inventory and repatriation of human remains and associated funerary objects. Guidance presently is being provided relating to the disposition of culturally unidentifiable human remains, which includes tribal consultation and the publication of Federal Register notices.

Curation consolidation technical and fiscal assistance in locating, inventorying, and determining ownership of the District's once widely scattered collections is integral to maintaining compliance with 36 CFR 79, Curation of Federally-Owned and Administered Archeological Collections. In 2017, the MCX-CMAC's guidance ensured that inadequately packaged collections were stabilized to meet Federal standards. Additionally, that year saw a smooth transition from District collections stored at numerous repositories to all collections held within a single repository. This move included organizing consultations with five State Historic Preservation Offices and numerous tribes.

The MCX-CMAC's critical work greatly assists in District compliance with numerous federal laws and regulations. The MCX-CMAC maintains a professional, prompt, and well-organized staff guided by technical expertise and offering sound, innovative solutions. Recertification is in the best interests of the District and the wider Corps of Engineers. The District looks forward to continued engagement of the MCX-CMAC's services, many of which are provided there, and nowhere else in the Corps.

Sincerely,



Jodi K. Creswell

Chief, Environmental Planning Branch RPEDN

From: [Riordan, Jennifer L CIV USARMY CEMVS \(US\)](#)
To: [Riordan, Jennifer L CIV USARMY CEMVS \(US\)](#)
Subject: FW: Letter of Support--MCX CMAC (UNCLASSIFIED)
Date: Tuesday, December 11, 2018 2:24:39 PM

-----Original Message-----

From: Schmidbauer, Gabriel A CIV USARMY CELRB (US)
Sent: Tuesday, December 11, 2018 1:46 PM
To: McPherson, Amy S CIV USARMY CEMVS (US) <Amy.S.Mcpherson@usace.army.mil>
Subject: RE: Letter of Support--MCX CMAC (UNCLASSIFIED)

To whom it may concern:

I am writing in support of the recertification of the Mandatory Center of Expertise for the Curation and Management of Archaeological Collections (MCX CMAC).

The work of the center directly ensured the success of my project, the Harpersfield Dam Lamprey Barrier, by providing outstanding professional consultation in historic preservation.

The consultation services provided by the Center allowed the USACE- Buffalo District to execute the project on schedule.

The center guided my team through a complex and contentious MOA process, and helped to facilitate understanding between the USACE- Buffalo District and the Local SHPO. The Center's highly competent and technical staff provided my team with immediate, thorough, and comprehensive guidance to ensure a successful resolution. Without the help from the Center, the MOA process would have stymied the progress of this important Civil Works project.

These services completed the necessary SHPO project approvals that lead our team to completion. The sea lamprey barrier will ultimately reduce the invasive lamprey population with the Grand River in Ohio.

I strongly support this center's recertification.
If you should have any further questions please feel free to contact me.

Best,

Gabriel

Gabriel Schmidbauer, PMP
Project Manager
U.S. Army Corps of Engineers
Buffalo District
Office: 716-879-4423
Mobile: 716-243-9403
email: gabriel.a.schmidbauer@usace.army.mil

Office of the Director

DATE: 10 December 2018
TO: Dr. Michael K. Trimble, Director MCX-CMAC
FROM: Dr. Kirk R. Johnson, Sant Director
RE: Recertification of US Army Corps of Engineers Mandatory Center of Expertise for the Curation and Management of Archeological Collections (MCX-CMAC)

The National Museum of Natural History (NMNH) was recently made aware that the MCX-CMAC is scheduled for recertification during FY19. We would like to offer our support for the recertification due to the collaborative partnership between MCX-CMAC and NMNH.

Over the past 5 years, MCX-CMAC has worked closely with NMNH on cataloging, conserving, and preparing the Nation's T.rex, on loan to the Museum from the Corps. This T.rex will be the centerpiece of the newly renovated *David H. Koch Hall of Fossils – Deep Time*, scheduled to open to the public in 180 days. The story of this majestic animal will allow millions of visitors, both domestic and international, to have a deeper understanding that the earth's story is our story. This would not have been possible without MCX-CMAC's care of the Corps paleontological collections throughout the years.

Additionally, the Corps and NMNH have an invested interest in the curation of Native American archeological artifacts. This collaboration dates back to the formative years of the Smithsonian in the mid-19th Century and continues today. In recent years, MCX-CMAC has spearheaded this collaboration effort. Many of the artifacts collected on Corps' land are in NMNH's collection and MCX-CMAC staff regularly consult NMNH's resources such as the National Anthropological Archives in their research. This partnership allows our two organizations to care for these important collections.

In summary, NMNH strongly supports the recertification of MCX-CMAC. In our view, the collaborative culture of your organization allows the Museum to carry out the Smithsonian Institution's mission to increase and diffuse knowledge and our mission to understand the natural world and our place in it. If you have any questions, please feel free to contact me at 202-633-2664.

Respectfully,



Kirk Johnson
Sant Director





DEPARTMENT OF THE ARMY
DETROIT DISTRICT, CORPS OF ENGINEERS
477 MICHIGAN AVE.
DETROIT, MICHIGAN 48226-2550

12 December 2018

Ms. Amy McPherson
USACE, St. Louis District
1222 Spruce Street
Saint Louis, MO 63103

Dear Ms. McPherson,

I am writing to attest to the effectiveness and professional competence of the Center of Expertise and Management of Archeological Collections (MCX-CMAC) and to express my support for its recertification.

The MCX-CMAC has and continues to provide invaluable support to the Detroit District. The MCX-CMAC provided expertise in helping the Detroit District develop a plan to manage historical records at the St. Marys' Falls Canal (Soo Locks), which is a National Historic Landmark. For decades the Soo Locks has had an issue with historic records as the unique nature of the Soo Locks requires that historic records be available to field personnel to ensure the continued functioning of the locks. Previous attempts to resolve this problem over the last decade had failed to achieve the required standard for records management.

The MCX-CMAC provided expertise to help the Detroit District develop a plan to ensure the proper disposition of the records while still retaining information essential to the function of the Soo Locks. Not only did the MCX-CMAC help develop the plan to manage records at the Soo Locks, the MCX-CMAC provided continuing support during the execution of the plan, in person and by teleconference. Without the support of the MCX-CMAC it is unlikely that the Detroit District would have been able to resolve this decades old issue.

The MCX-CMAC has also provided assistance to the Detroit District for a variety of other issues as well including but not limited to assistance with the discovery of human remains during Corps permitted activities, guidance regarding archeological collections, and contracting assistance for archeological surveys.

As the District Archeologist for the Detroit District, I strongly support the recertification of the MCX-CMAC. If there any questions regarding the support the MCX-CMAC has provided the Detroit District, please contact me at 313-226-3510

Sincerely,



Curtis Sedlacek
District Archeologist and Tribal Liaison
Detroit District



December 12, 2018

Dr. Michael K. Trimble
Mandatory Center of Expertise for the Curation and Management of Archaeological
Collections (MCX-CMAC)
U.S. Army Corps of Engineers, St. Louis (CEMVS)
1222 Spruce St.
St. Louis, MO 63103

Re: Recertification of the Center of Expertise for the Curation and Management of
Archaeological Collections (MCX-CMAC)

Dear Dr. Trimble,

The American Cultural Resources Association (ACRA) appreciates the opportunity to comment on the Center of Expertise for the Curation and Management of Archaeological Collections (MCX-CMAC) as they are being considered for recertification.

ACRA is the national trade association supporting and promoting the common interests of cultural resource management (CRM) firms of all sizes, types and specialties. Today, our member firms undertake much of the legally mandated CRM studies and investigations in the United States.

The MCX-CMAC provides valuable and essential services as part of the federal archaeological collections program, assisting districts of the Army Corps to meet their compliance requirements under the Native American Grave Protection and Repatriation Act (NAGPRA) and the National Historic Preservation Act (NHPA). The MCX-CMAC serves an important function to preserve and protect physical evidence of our collective past to benefit the public and researchers alike. Furthermore, they have created innovative programs like the Veteran's Curation Program (VCP), which provides returning veterans with job skills in curation management. ACRA recognized the efforts of the MCX-CMAC and the initiatives it supports with a 2010 ACRA Board of Directors Award, reflecting our long term recognition of this facility and its programs.

ACRA strongly supports MCX-CMAC recertification. If we can provide any further information on this matter, please contact me at 970-209-6882.

Best regards,

A handwritten signature in black ink, appearing to read "Kim Redman", written in a cursive style.

Kimberly L Redman
President
American Cultural Resources Association



DEPARTMENT OF THE ARMY
ARMY NATIONAL MILITARY CEMETERIES
ARLINGTON NATIONAL CEMETERY
ARLINGTON, VIRGINIA 22211-5003


SAAC-ZA

13 DEC 2018

MEMORANDUM FOR Director, MCX CMAC, St Louis District, 1222 Spruce Street, St. Louis, MO 63103-2833

SUBJECT: MCX-CMAC Center of Expertise Letter of Appreciation

1. The Office of Army Cemeteries (ANMC) and Arlington National Cemetery (ANC) are aware that the MCX-CMAC is scheduled for recertification as a center of expertise within the United States Army Corps of Engineers in FY19. This memorandum serves as testament to the exceptional service and support provided by the MCX-CMAC to our program over the past five years and my recommendation to grant MCX-CMAC a recertification as a center of excellence.
2. The MCX-CMAC has proven to be invaluable to ANMC and ANC for the past five years handling highly complex, unusual and novel and in some cases of extraordinarily high profile with the utmost, professionalism, expertise and efficiency. The handling of the Molly Corbin grave disturbance at West Point and the disinterment and return of Native American Children buried at Carlisle Barracks are just two of numerous projects that have been executed flawlessly while under extreme scrutiny and pressure. These successful outcomes have resulted in prevention or limitation of negative publicity and public perception towards the Army and has helped ensure that the Army meets its stated mission of taking care of both Soldier's and their Family members both now and after their passing if interred on Army property.
3. ANMC and ANC have found the MCX-CMAC staff and leadership to be consistently timely, responsive, technically correct and client friendly in their work and representation of us to other parties. We look forward to continuing to partner with the MXC-CMAC on future challenges and fully support their recertification as a center of excellence.



JERRY L. FARNSWORTH II
Colonel, EN
Chief of Staff

From: [Barg, Diana](#)
To: [Riordan, Jennifer L CIV USARMY CEMVS \(US\)](#)
Subject: [Non-DoD Source] St. Louis District MCX
Date: Friday, December 14, 2018 11:53:51 AM

The Bureau of Land Management (BLM), Utah State Office (UTSO) entered into an interagency agreement with the Corps of Engineers St. Louis District's Mandatory Center of Expertise for the Curation and Management of Archaeological Collections (MCX CMAC) in 2017 to have access to a group of high level professionals in the field of curation and the administration of the Native American Graves Protection and Repatriation Act (NAGPRA) for assistance completing a priority project.

The BLM's Cerberus Collection is a 46,000 object collection consisting of archaeological objects resulting from evidence and forfeiture during a 2009 joint FBI and BLM law enforcement case. The project the MCX CMAC assisted with included a thorough review of all case information and collections information in an attempt to assist the BLM-UTSO with determining which objects in the collection were subject to NAGPRA. When considering who to hire or bring on to assist with this large-scale and important project, the BLM-UTSO chose the MCX CMAC due to their subject matter experts, their ability to devote professional staff to the project, and because of the sensitivity of the case information being reviewed during the project. The MCX CMAC stood out as an excellent candidate to take on this project and is a valuable asset to the federal government, the archaeological community, and the resources.

Diana Barg
Museum Collections Manager

Bureau of Land Management,
Utah State Office
440 W. 200 S., Suite 500
Salt Lake City, UT 84111
Office: 801.539.4214
dbarg@blm.gov <<mailto:dbarg@blm.gov>>

From: [Riordan, Jennifer L CIV USARMY CEMVS \(US\)](#)
To: [Riordan, Jennifer L CIV USARMY CEMVS \(US\)](#)
Subject: FW: Recertification of MCX CMAC
Date: Friday, December 14, 2018 12:59:06 PM

From: Terry Childs
Sent: Friday, December 07, 2018 3:26 PM
To: Farmer, Andrea A CIV (USA) <Andrea.A.FARMER@usace.army.mil>
Subject: [Non-DoD Source] Recertification of MCX CMAC

Andrea,

I would like to submit my very strong support for the recertification of the MCX CMAC. The Center provides critical curatorial, collections management, archival, and NAGPRA services both within the ACOE and to other federal agencies, such as the Department of the Interior (DOI). The cooperative agreement between the ACOE and DOI enabled a successful project to survey some 200 non-Federal repositories to help determine where the DOI's collections are housed and the nature of those collections. The individual DOI bureaus can also use the cooperative agreement to take advantage of the broad curatorial and cultural resources expertise of the MCX CMAC staff, which they are doing as resources allow.

Due to the breadth of the expertise at the MCX CMAC, the staff also participate on or are consulted on a number of collections and cultural resource management issues that are current today, such as collections ownership, land jurisdiction, NAGPRA compliance, cultural affiliation, knowledge management, and digital curation. The long-term experience and expertise in these types of issues by MCX CMAC staff are proving time and time again to benefit the archaeological and cultural resources management communities across the United States. I am well aware of this due to my very active involvement in the Society for American Archaeology and the Archaeological Collections Consortium.

Also, since its last recertification, the MCX CMAC spearheaded the path-breaking Veteran's Curation Program. This program has benefited countless veterans in many ways, but it has also highlighted the important work and products of archaeological collections management to the general public, other government agencies, and to the archaeological community as a whole. This program is both successful and unique due to the ingenuity, expertise, and resourcefulness of the MCX CMAC staff. Other initiatives of this sort will not be possible without recertification of the MCX CMAC.

S. Terry Childs, Ph.D.

Retired



DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS, NASHVILLE DISTRICT
110 9TH AVENUE SOUTH, ROOM A-405
NASHVILLE, TN 37203

DEC 14 2018

Jennifer Riordan
Mandatory Center of Expertise for the Curation
and Management of Archaeological Collections
U.S. Army Corps of Engineers
St. Louis District
1222 Spruce St.
St. Louis, MO 63103

Dear Ms. Riordan:

The U.S. Army Corps of Engineers, Nashville District thanks the Mandatory Center of Expertise for the Curation and Management of Archaeological Collections (MCX-CMAC) for providing expertise and support. Furthermore, we support the re-certification of the MCX-CMAC to provide significant services to the Corps. Over the last several years, MCX-CMAC has provided support to the Nashville District for the Loyall Slide project, Lake Barkley Native American Graves and Repatriation Act claim, and the curation regionalization effort.

In March 2016, the Nashville District began to address a geologic slide that threatened a Civil Works Flood Control Project in Loyall, Harlan County, Kentucky. Corrective measures included the need to remove 61 unmarked graves from the Wix Howard Cemetery. The Nashville District sought the assistance of MCX-CMAC to identify and disinter the graves from the .28 acre area. The MCX-CMAC contracting approach, which blended Corps and Contractor expertise, proved to be flexible and efficient. The result provided sensitive and respectful treatment of the burials, as well as financial efficiency for the Corps.

In May 2016, the Nashville District received a claim for the human remains and associated funerary objects for the Lake Barkley Project, located in Kentucky and Tennessee. MCX-CMAC assisted our staff with the tribal consultation, preparation of decision documents, and the Notices of Inventory Completion. Additionally, MCX-CMAC completed a final inventory and prepared the remains in accordance with the tribal requirements. Upon completion of the repatriation, the Eastern Band of Cherokee Indians stated that the process was one of the smoothest reburial experiences and should serve as a model for future repatriations. MCX-CMAC contributed to this success story.

Finally, MCX-CMAC is leading the Great Lakes and Ohio River Division's (LRD) regional curation report. LRD's seven districts are responsible for an estimated 2,097 ft³ of artifact collections, 150 linear feet of associated records in 29 curation facilities.

The study is progressing and consultation with American Indian Tribes and State Historic Preservation Officers will occur in 2019. The centralization of the curation expertise at MCX-CMAC enables the Nashville District and LRD to continue the important effort to meet our obligations under the National Historic Preservation Act and to meet stewardship expectations of the public. We look forward to continuing to work with MCX-CMAC to complete this effort.

The Nashville District supports the re-certification of MCX-CMAC. Please contact Valerie McCormack at (615) 736-7847 or valerie.j.mccormack@usace.army.mil or Jordan McIntyre at (615) 736-5985 or jordan.c.mcintyre@usace.army.mil if you require additional information.

Sincerely,

A handwritten signature in dark ink, reading "Timothy A. Higgs". The signature is written in a cursive style with a large, stylized "T" and "H".

Timothy A. Higgs
Chief, Environmental Section
Project Planning Branch



Kate Leese
COR, USACE St. Louis District
Archaeologist, USACE St. Louis District
Project Manager, Veterans Curation Program

December 13, 2018

Dear Ms. Leese,

I am writing on behalf of the Society for Historical Archaeology (SHA) to express my strong support of the Recertification of the U.S. Army Corps of Engineer's Mandatory Center of Expertise for the Curation and Management of Archaeological Collections (MCX CMAC). The organization that I represent, the Society for Historical Archaeology, is an international organization concerned with archaeology of the modern world (circa A.D. 1400-present). Our organization has been in existence for over 50 years and is the leading scholarly organization engaged in the excavation, interpretation, conservation of both terrestrial and maritime archaeological sites from the past 500 years. We are also a group that has had a strong professional relationship with MCX CMAC.

To be specific, personnel from MCX CMAC have been influential voices in our organization's work on managing archaeological collections. I cite two specific examples. Over the past decade I have been very active in collections-related issues within SHA. During that time I have worked extensively with several members of MCX CMAC, Specifically, Program Director, Dr. Michael "Sonny" Trimble, and Andrea Farmer. Dr. Trimble, in particular, has been a long time contributor to our organization, he has been active in the SHA curation committee, written on collections-related issues for the organization and for the past six years he has served on the Archaeological Collections Consortium (ACC). The ACC is a collaborative organization with the Society for American Archaeology (SAA) and the American Cultural Resources Association (ACRA) whose mission is to foster collaborative communication on collections-related issues for all archaeologists. In all of these contexts, the expertise and practical experience that MCX CMAC personnel have contributed has been invaluable to our collections-related endeavors.

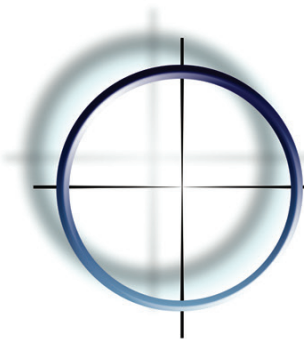
The second point I would highlight is the Veterans Curation Program. In 2016, SHA's officers and Board of Directors toured the MCX CMAC Veterans Curation Program Laboratory in Alexandria. In many ways the VCP is a model program, combining practical job skills training for veterans with taking steps to solve our profession's enormous problems associated with archaeological collections. The VCP is a shining example of the creative impact MCX CMAC makes on archaeological curation.

The MCX CMAC has been an important contributor to the field of archaeology and our organization. From my perspective it is a leader in collections management and a model for all of our professional organizations. The Society for Historical Archaeology strongly supports recertification.

Sincerely,

A handwritten signature in black ink that reads 'Mark Warner'.

Mark Warner,
President, Society for Historical Archaeology
Professor of Anthropology, University of Idaho



NEW SOUTH ASSOCIATES

PROVIDING PERSPECTIVES ON THE PAST

A WOMEN-OWNED SMALL BUSINESS

December 12, 2018

Recertification of the Mandatory Center of Expertise for the Curation and Management of Archaeological Collections (MCX CMAC)

To Whom It May Concern:

It is my pleasure to provide this letter of support for the recertification of the MCX CMAC at the St. Louis District, U.S. Army Corps of Engineers. I am aware of their work through MCX CMAC presentations at professional conferences and awards, as a contractor engaged in collections management work, as a consultant to MCX CMAC, and as a citizen. I consider MCX CMAC to be vital to the recognition, management, and presentation of our nation's cultural heritage, as well as an adept problem solver for challenging cultural resource management tasks. I do not know where our nation would be without MCX CMAC, but I believe we would be in a worse condition.

First, MCX CMAC is responsible for the inventory and management of the Corps of Engineers' (COE) archaeological collections. This is a challenging task as the collections are voluminous and distributed across the nation at various museums as well as private firms. As a contractor, MCX CMAC reaches out to us on a regular basis to determine what COE collections are currently in our lab, their status, and when and where they will be curated. Before the MCX CMAC, collections were often left neglected and forgotten in contractor facilities, threatening the loss of significant resources from our cultural legacy. With MCX CMAC, our nation's collections are accounted for, inspected, and maintained.

Second, MCX CMAC supports our nation in the relocation, treatment, and display of cultural artifacts, particularly military artifacts. We have supported the MCX CMAC in the relocation and conservation of artifacts, including macro equipment, for the Center for Military History, the National Museum of the U.S. Army, as well as other institutions and we know how important their work is to insuring that our military heritage is preserved and interpreted.

Third, MCX CMAC provides cultural resource support to a number of federal agencies. Given its national presence as a specialist in the nation's cultural resource laws and their execution, MCX CMAC personnel and contractors support a large number of Corp Districts as well as agencies such as the U.S. Army Installation Management Command,

Georgia/Headquarters

6150 East Ponce de Leon Avenue
Stone Mountain, Georgia 30083
T/770.498.4155
F/770.498.3809

South Carolina

1819 Hampton Street
Columbia, South Carolina 29201
T/803.771.7083
F/803.771.7087

North Carolina

1006 Yanceyville Street
Greensboro, North Carolina 27405
T/336.379.0433
F/336.379.0434

Tennessee

118 South 11th Street
Nashville, Tennessee 37206
T/615.262.4326
F/615.262.3338



U.S. Army Environmental Command, and U.S. Army National Cemeteries in performing and directing cultural resource studies.

Fourth, the MCX CMAC is well regarded for its work with Native American tribal governments in compliance with the Native American Graves Protection and Repatriation Act (NAGPRA). MCX CMAC personnel have conducted numerous NAGPRA studies and have prepared NAGPRA reports. They also support ANC in the recovery and repatriation of human remains from the Carlisle Indian School Cemetery on the Carlisle Barracks, Army Heritage Command. This challenging project involves the archaeological excavation of the remains of Native American students who died at Carlisle. The interaction with their tribal descendants, who attended the recovery work, could only be accomplished by the highly professional team assembled by MCX CMAC.

Fifth, the MCX CMAC established and administers the Veterans Curation Program. The VCP, which has received multiple awards, employs recently transitioned veterans in the rehabilitation of archaeological collections. Employed in five-month term positions, the veterans gain valuable job skills including working with computers and databases, photographing collections, and preparing reports. The program also supports the veterans in transitioning to either civilian employment or further education. This program has employed and benefited hundreds of military veterans while also rehabilitating countless archaeological collections and is one of the most important archaeological initiatives I have ever encountered.

Sixth, and finally, the MCX CMAC conducted the excavations of Sadaam Hussein's mass burial sites in Iraq and provided testimony and archaeological findings at Hussein's trial, leading to his conviction. This was an extremely challenging project that was expertly staffed and carried out. I am very appreciative of their work on a personal and professional level. My cousin is Colonel (then Major) Brian Reed, 1st Brigade Combat Team, 4th Infantry Division, who applied social network analysis to the identification of potential associates of Hussein who might be hiding him. I am proud to know, in this small way, the team at MCX CMAC, who helped close the story of Sadaam Hussein.

It is my pleasure and honor to provide this letter of support for the recertification of MCX CMAC. It is well deserved.

Sincerely,

NEW SOUTH ASSOCIATES, INC.

A handwritten signature in cursive script that reads "Mary Beth Reed". The signature is written in black ink and is positioned above the printed name and title.

Mary Beth Reed
President

From: [Riordan, Jennifer L CIV USARMY CEMVS \(US\)](#)
To: [Riordan, Jennifer L CIV USARMY CEMVS \(US\)](#)
Subject: FW: MCX Recertification assistance (UNCLASSIFIED)
Date: Friday, December 14, 2018 12:51:11 PM

To Whom It May Concern,

This e-mail is in support of the recertification of the Mandatory Center of Expertise for the Curation and Management of Archaeological Collections (MCX CMAC). The Kansas City District (NWK) has long relied on the assistance and support of MCX CMAC to meet its obligations to comply with the Native American Graves Protection and Repatriation Act (NAGPRA) and legal obligations on its vast archeological collections that total over 3,500 cubic feet from its 18 lake projects. The expertise provided by MCX CMAC includes professional guidance, technical expertise, funding, and labor that otherwise would be not available to NWK. Without MCX CMAC assistance NWK would not be able to meet any of its NAGPRA or artifact curation obligations and would be greatly out of compliance with these laws. The recertification of MCX CMAC is critical to NWK, as well as the rest of the Corps of Engineers, to successful completion of these obligations.

Timothy Meade
District Archeologist/Tribal Liaison
U.S. Army Corps of Engineers,
Kansas City District

600 Federal Building
601 E. 12th Street
Kansas City, MO 64106-2896
P: (816) 389-3138
Cell: (816) 492-0324

From: [Decker, Jeremy T CIV USARMY CESPA \(US\)](#)
To: [Riordan, Jennifer L CIV USARMY CEMVS \(US\)](#)
Subject: RE: MCX CMAC recertification assistance
Date: Friday, December 14, 2018 8:52:27 AM

Hi Jennifer,

The MCX CMAC has been an important resource for the Albuquerque District over the last five years, providing guidance, direct support, and funding for our NAGPRA effort at Trinidad Lake. The Albuquerque District has been actively working toward completing our NAGPRA responsibilities at our Trinidad Lake Project in southern Colorado. The human remains from Trinidad Lake were previously determined to be culturally unidentifiable under NAGPRA, and the MCX CMAC has provided much needed guidance on the process for determining which tribes are eligible to take control of the remains, preparing a research report that educated District staff on the relatively new regulations for repatriating culturally unidentifiable remains. This report has guided our actions since its completion in 2015. In late FY17, the Albuquerque District received a formal request from three Tribes to repatriate the remains from Trinidad, and the MCX CMAC has provided ample funding for our interactions with the tribes in FY17, FY18, and again in FY19, including labor for SPA staff, and travel funds for Tribal members to attend a tribal consultation meeting at Trinidad Lake to view the remains and visit the project site. During the consultation meeting the Tribes requested a review of all faunal remains in the collection to ensure that no human remains were inadvertently stored with animal remains. In late 2017, physical anthropologists from the MCX CMAC visited the collection at Trinidad Lake and analyzed all faunal remains from the collection, identifying several human remains that have now been included in the NAGPRA inventory. The Albuquerque District did not have the expertise to complete this assessment in house, and it was a great benefit to have access to the expertise at the MCX CMAC. The project was completed much more quickly than by preparing a contract, and at much less expense. Overall, the Albuquerque District appreciates the effective, professional support it has received from staff at the MCX CMAC, and recommends that the MCX CMAC be recertified.

Hope this helps in your effort to be recertified, and thank you for all the support you have provided over the years.

Happy Holidays!

Jeremy

Jeremy Decker, M.A.
Archaeologist

U.S. Army Corps of Engineers, Albuquerque District
4101 Jefferson Plaza NE
Albuquerque, NM 87109
Office: (505)342-3671
Fax: (505)342-3668
Jeremy.T.Decker@usace.army.mil



DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS, FORT WORTH DISTRICT
P. O. BOX 17300
FORT WORTH, TEXAS 76102

December 13, 2018

Jennifer Riordan
NAGPRA Coordinator
St. Louis District, MCX CMAC
1222 Spruce Street
St. Louis, MO 63103

Ms. Riordan,

The MCX for Curation and Management of Archaeological Collections has been an invaluable resource for myself and the other archaeologists in the USACE Regional Planning and Environmental Center. In general, I will reach out to the MCX to resolve issues related to collections because they have more specialized skills and experience that we cannot generally support at the district level. The MCX, because of experience across multiple districts, is also a great resource for their perspective in helping resolve issues related to cultural resources for Civil Works and Regulatory projects. For me, the primary benefit of the MCX is that, because of their reach across the USACE, they are able to maintain the kind of expertise (museum studies and collections management) and collections related contracts that our districts cannot sustain full time, but for which we have a real need. Some specific projects that would have been extremely difficult to complete without the help of the MCX include:

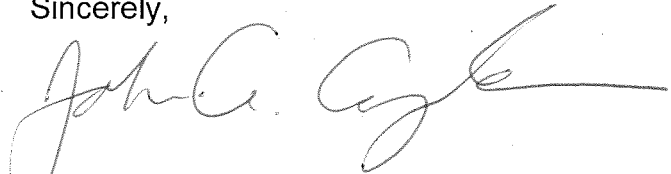
- a. Transfer and rehabilitation of archeological collections from Taylors Bayou in the Galveston District. This project ended years ago and the collection had made its way to a field office in the Fort Worth District and was mostly forgotten. The MCX identified the collection and reached out to Galveston with an offer to move this collection to a curation facility and effect its rehabilitation.
- b. Transfer of USS Westfield collection to the US Navy. The Galveston District excavated USS Westfield as part of mitigation for the Texas City Ship Channel Expansion. Portions of the collection were conserved by Texas A&M University and the US Navy, owners of the collection, required the collection to be shipped by specialized art movers to the US Naval History and Heritage Command's curation facility in Georgetown, MD. The MCX was able to accomplish this under a task order with one of their contractors that handle specialized shipping, which is not a service maintained in the district.
- c. The Tulsa District requested assistance from the Regional Planning and Environmental Center to relocate their collections from the Fort Sill Museum

Balloon Hangar, which was being renovated to remove asbestos. These collections included artifacts ranging in size from small artillery shells to as large as a helicopter. I reached out to staff at the MCX and they were very helpful in outlining the necessary process and options for accomplishing this task, including taking the lead on consulting with the Tulsa District.

- d. Managing our curation agreements across our four districts and multiple state curation facilities.
- e. The MCX has provided us with contracting assistance for accomplishing cultural resource investigations on military and operations projects.

It has been a pleasure to work with the professional and knowledgeable staff at the MCX. I know that our districts within the Regional Planning and Environmental Center will need to call upon the services and experience of the MCX on future projects. Please feel free to contact me if you have any questions or need any additional information at john.a.campbell@usace.army.mil.

Sincerely,

A handwritten signature in dark ink, appearing to read "John A. Campbell", with a long horizontal flourish extending to the right.

John A. Campbell, Archeologist
Regional Planning & Environmental Center



DEPARTMENT OF VETERANS AFFAIRS
NATIONAL CEMETERY ADMINISTRATION
WASHINGTON DC 20420

12 December 2018

Dr. Michael "Sonny" Trimble
Director
MCX CMAX
USACE St. Louis District
1222 Spruce Street
St. Louis, MO 63103

Dear Dr. Trimble:

I am writing to offer support for the recertification of the Mandatory Center of Expertise for the Curation and Management of Archaeological Collections (MCX CMAX). Your organization within USACE has provided invaluable guidance, knowledge and expertise to many collaborative projects between the National Cemetery Administration (NCA) and the United States Army Corps of Engineers (USACE) St Louis District. Also, there are a number of projects in the planning stages that will require your organization's continued support from MCX CMAX, including a multi-year project to provide investigation, design support and construction management for the rehabilitation of historic lodges at multiple NCA Cemeteries. These lodges are character-defining features within the cultural landscape, and are integral to the historic fabric of National Cemeteries.

Thank you for the opportunity to offer support for the continued efforts of MCX CMAX and the St. Louis District USACE.

Sincerely,

A handwritten signature in blue ink, reading "W. Edward Hooker, III".

W. Edward Hooker, III
Historic Architect, NCA

From: [Grayson, Ronald I CIV USARMY USAG \(US\)](#)
To: [Riordan, Jennifer L CIV USARMY CEMVS \(US\)](#)
Cc: [Carr, Trudy L](#)
Subject: MCX CMAC recertification
Date: Friday, December 14, 2018 1:34:48 PM

Ms. Riordan:

I would like to recommend the recertification of the Corps of Engineers Mandatory Center of Expertise for the Curation and Management of Archaeological Collections (MCX CMAC).

The MCX CMAC has assisted in the ongoing fulfillment of Fort Campbell's NAGPRA requirements. Fort Campbell has endeavored to employ qualified archaeologists primarily to fulfill our requirements under the National Historic Preservation Act 1966, but does not have specialists in human osteology or the NAGPRA process. Additionally, the ongoing workload has prohibited the installation from completing our backlog of legislative requirements including NAGPRA. The Fort Campbell Cultural Resources Program chose to utilize the expertise of the MCX CMAC to assist in fulfilling these requirements.

The highly trained and professional staff at the MCX CMAC worked with Fort Campbell Cultural Resources Program personnel to analyze and inventory our remains/materials subject to NAGPRA. The MCX CMAC staff also provided logistics and support in the first open invitation of 12 Federally recognized Native American Tribes to travel to Fort Campbell. They are continuing to provide assistance with the ongoing repatriation process and will be instrumental in the successful completion. They provided the all the necessary documents, background information, letters, and guidance to make the process progress smoothly with a minimum of problems.

The personnel at the MCX CMAC have exemplified professionalism and a dedication to their duties that should be applauded and emulated. Their recertification will allow the MCX CMAC to continue to assist Fort Campbell and other DoD installations with their requirements for curation and collections management. In these days of shrinking personnel and funding, resources such as MCX CMAC will be increasingly relied upon to fulfill installation requirements and provide successful completion of the Army mission.

If you have any questions for wish to discuss the MCX CMAC role in NAGPRA with Fort Campbell, please feel free to contact me at (270) 412-8174 or ronald.i.grayson.civ@mail.mil.

Ronald Grayson, M.A., RPA
Archaeologist, Cultural Resources Program Manager Directorate of Public Works Fort Campbell, KY
270-412-8174 (DSN 635-8174)

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**DEPARTMENT OF THE ARMY
U.S. ARMY INSTALLATION MANAGEMENT COMMAND
U.S. ARMY GARRISON ABERDEEN PROVING GROUND
BUILDING 4510, 6429 BOOTHBY HILL AVENUE
ABERDEEN PROVING GROUND MARYLAND 21005-5001**

Dr. Michael K. Trimble
Mandatory Center of Expertise for the Curation
and Management of Archaeological Collections
U.S. Army Corps of Engineers, St. Louis District
1222 Spruce Street
St. Louis, Missouri 63103

Dear Dr. Trimble:

I understand that the St. Louis Mandatory Center of Expertise (MCX) for the Curation and Management of Archaeological Collections (CMAC) is undergoing recertification and I would like to offer my whole hearted recommendation of the Center for the recertification process. We at APG have worked with the center for over 20 years and have been more than completely satisfied with the services. Specifically, we have benefitted from support in three areas.

First, we have been assisted by the now center staff in arranging Native American consultation aimed at establishing government to government consultation and to address a NAGPRA issue at APG. One of the highlights of that service was that tribal representatives came to APG to meet the installation commander and discuss issues of mutual interest. The channels of communication opened by that conference continue to serve APG to this day.

Secondly, we have received support in the area of collections management and inventory. Because of this support from the center, all of the collections owned by APG are curated to 36 CFR 79 standards.

Thirdly, the center has helped us reach our preferred provider for curation services in the form of contract vehicle support. In particular, our desire to keep our collections with the Maryland Archaeology Center in St. Leonards, Maryland was driven by the need to get the best service at the best cost and to keep the collections in Maryland and near APG.

We look forward to a continued relationship with the Mandatory Center of Expertise (MCX) for the Curation and Management of Archaeological Collections (CMAC).

Sincerely,

A handwritten signature in black ink, appearing to read "Mark T. Gallihue", with a horizontal line extending to the right.

Mark T. Gallihue
Cultural Resource Manager
Aberdeen Proving Ground

From: [Riordan, Jennifer L CIV USARMY CEMVS \(US\)](#)
To: [Riordan, Jennifer L CIV USARMY CEMVS \(US\)](#)
Subject: FW: MCX recertification assistance
Date: Wednesday, December 26, 2018 12:36:20 PM

-----Original Message-----

From: Parker, Rodney D SAS
Sent: Friday, December 14, 2018 3:08 PM
To: Riordan, Jennifer L CIV USARMY CEMVS (US) <Jennifer.Riordan@usace.army.mil>
Subject: RE: MCX recertification assistance

The Mandatory Center of Expertise (MCX) for the Curation and Management of Archaeological Collections (CMAC) has been integral in assisting the Huntington and Savannah District Corps of Engineers during my tenures as District Archeologist and Tribal Liaison. MCX-CMAC actively supported our Cultural Resource Program by providing funding to perform our NAGPRA Inventory for culturally identifiable and culturally unidentifiable human remains and associated grave goods, this work would lead to successful reinternment of ancestral remains for three Shawnee Tribes.

Additionally, the MCX-CMAC, assisted Huntington District with rehabilitation of archeological collections, through the Veterans Curation Program, this resulted in a larger percentage of cultural and archeological resources are meeting the mandates highlighted in 36 CFR Part 79. They also provided expert guidance when attempting to renegotiate our curation agreements. During my tenure in Huntington District, the MCX-CMAC was very influential in supporting our efforts for Tribes to tour the Alexandria VCP facilities.

Very Respectfully,

Rodney Parker
Regulatory Archeologist and Tribal Liaison USACE, Savannah District
100 W. Oglethorpe Ave
Savannah, GA 31401
912.652.5964

5 December 2018

RE: MCX CMAC Recertification

To Whom It May Concern:

I am writing to express my full and enthusiastic support for the recertification of the Mandatory Center of Expertise (MCX) for the Curation and Management of Archaeological Collection (CMAC) in the St. Louis District. Over the years, I have collaborated with Dr. Michael Trimble and Ms. Farmer to assist veterans in the Central Savannah River Area (CSRA). As the former director of the CSRA Wounded Warrior Care Project (now called Forces United) I had the privilege of assisting with the founding of the first Veterans Curation Program (VCP) laboratory, which opened in Augusta, Georgia (USA) in 2009.

The Veterans Curation Program (VCP), which is managed by the MCX CMAC, serves as an innovative model to other organizations in their attempts to assist wounded and disabled veterans as they transition from the military to civilian life, while it preserves important archaeological resources. The program has helped over 100 veterans and their families gain stability and identify a course for their lives, so it is only appropriate for them to reach out to other successful and award winning programs to further their mission.

My involvement with the program began when I was serving as the Executive Director of the CSRA Wounded Warrior Care Project from 2007 to 2011. This non-profit organization builds community support for wounded warriors and their families. This organization has relied on the VCP to provide training and financial stability to veterans. In my new position as the President of the University Health Care Foundation, I continue to support the VCP in their mission, including proudly supporting the VCP's Five Year Anniversary event.

The continued establishment of the MCX CMAC is beneficial for the DoD, U.S. Army Corps of Engineers, Department of Veterans Affairs, the Department of Labor and other veterans organizations, and veterans throughout the nation. If you have any questions about my support for this proposal, please feel free to contact me on my cell phone: 706-830-8239.

Sincerely,

A handwritten signature in black ink, appearing to read "Laurie Ott". The signature is fluid and cursive, with the first name "Laurie" written in a larger, more prominent script than the last name "Ott".

Laurie Ott
President, University Health Care Foundation
2100 Central Avenue, Suite D-1
Augusta, GA 30904



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY

SOUTH PACIFIC DIVISION, U.S. ARMY CORPS OF ENGINEERS
450 GOLDEN GATE AVENUE
SAN FRANCISCO, CALIFORNIA 94102

CESPD-PD-P

MEMORANDUM FOR Commander, St. Louis District, ATTN: CECMVS-EC-Z/Dr. Michael K. Trimble, Ph.D., 122 Spruce Street, St. Louis, MO

SUBJECT: Recertification of the Mandatory Center of Expertise for the Curation and Management of Archaeological Collections (MCX-CMAC)

1. Thank you for the opportunity to provide input on the recertification of the MCX-CMAC. It serves a very important role for USACE due to its multi-fold services and its value added to the Sacramento, Los Angeles, San Francisco and Albuquerque Districts. South Pacific Division (SPD) highly recommends recertification, and following are key contributions that the MCX-CMAC provides SPD.
 - a. The SPD area of responsibility (AOR) receives superb support enabling Districts to fulfill varied stewardship and compliance obligations across all mission areas under laws ranging from the Native American Graves Protection Act (NAGPRA), the National Historic Preservation Act (NHPA), the National Environmental Policy Act (NEPA), the Archaeological Resources Protection Act (ARPA) as well as implementing regulations including 36 CFR Part 800 and 36 CFR Part 79.
 - b. In recent years this support has extended to a stream of activities enabling strategic regionalization of Corps archaeological and archival collections under a directive from USACE Director of Civil Works, Mr. James Dalton, signed September 7, 2017. These actions in the SPD AOR include real estate documentation, collection location and rehabilitation, tribal notification, record digitization, and establishment and management of a Veterans' Curation Program (VCP) in the San Francisco Bay area meeting elements of the Chief of Engineers Campaign Plan.
 - c. Cultural resources expertise embodies a great variety of skill sets, which range from more familiar compliance, investigation and data recovery activities to technical curation, archival research, collections management, forensic anthropology, cultural anthropology, architectural history, and more. The latter specialties are rarely afforded at Districts, and yet are vital to a full-functioning cultural program. That they are staffed in the MCX-CMAC adds unique depth to the USACE portfolio, which other agencies are lacking. As a result, USACE is positioned to serve not only USACE significant stewardship obligations, but support for other agencies such as the greater Army and Department of the Interior.
2. In conclusion, the MCX-CMAC is critical in delivering world-wide technical expertise and state-of-the art emergency and realted support that enriches, enables and empowers the larger professional USACE cultural resources community across SPD and the nation. For additional information, please contact Nedenia Kennedy, PhD, (415) 503-6585 and nedenia.c.kennedy@usace.army.mil.

Kayla A. Eckert-Uptmor, PMP
Acting Chief, Planning and Policy Division

Attachment 3. MCX CMAC Awards Since 2012

2017	<u>Superior Civilian Service Award</u> , MG Spellmon, U.S. Army Commanding. For superior service in support of NWD for Kennewick Man for 20 years.
2017	<u>Federal Executive Board Excellence in Government Award for Community Service</u> , Team award, MVS outreach team, for work with local veterans communities.
2017	<u>USACE Wounded Warrior Support Excellence and Achievement</u> , Catherine Leese, for excellence in supporting veterans through the Veterans Curation Program.
2016	<u>Award for Excellence in Curation, Collections Management, and Collections-Based Research and Education</u> , Society for American Archaeology.
2016	<u>USACE Wounded Warrior Support Excellence and Achievement</u> , Team Award, for excellence in supporting veterans through the Veterans Curation Program.
2016	<u>Federal Executive Board Excellence in Government Award for Community Service</u> , Team award, MVS STEM team, for support to local STEM initiatives.
2016	<u>Letter of Commendation</u> , Assistant Secretary of the Army, Civil works, Jo-Ellen Darcy, for support to the Department of Defense MIA/POW Accounting Agency.
2014	<u>USACE Knowledge Management Early Adopter Award</u> , Chris Pulliam, for being a true pioneer in Knowledge Management implementation.
2014	<u>Superior Civilian Service Award</u> , ASA (CW) Darcy. Michael K. Trimble, for superior service as founder and director of the Veterans Curation Program.
2014	<u>USACE Project Delivery Team of the Year Award</u> , Tyrannosaurus Rex Team, for the successful transfer of the Nation's T-rex to the Smithsonian Institution
2014	<u>Achievement Medal for Civilian Service</u> , Colonel Anthony Mitchell, St. Louis District Commander, VCP Team for superior service as managers of the Veterans Curation Program.
2014	<u>Commanders Award for Civilian Service</u> , VCP team, for the successful Veterans Curation Program.
2014	<u>The Bronze Order of the de Fleury Medal</u> , LTG Bostick, Chief of Engineers. Michael K. Trimble, for outstanding and exceptional service to the U.S. Army Engineer Regiment for over 27 years.
2014	<u>Department of the Army Achievement Medal for Civilian Service</u> , for the successful transfer of the Nation's T-rex to the Smithsonian Institution

- 2014 Achievement Medal for Civilian Service, Executive Director Army National Military Cemeteries. For exceptional support to the ANMC at Governors Island.
- 2012 McGimsey-Davis Distinguished Service Award, Register of Professional Archaeologists. Michael K Trimble, for a lifetime of effort and service in Archaeology and Cultural Resources Management.
- 2012 Commander's Award For Civilian Service, Department of Army. For exceptional support to Memphis District for the mitigation at Bird's Point Levee.

Attachment 4. USACE Laboratories Compared to MCX CMAC

Comparison of USACE Laboratories to MCX-CMAC in technical ability, experience, resources, capacity and customers. N = none (lack the appropriate staff or other assets for the category); L = limited (may have limited staff or assets in this category). Y = yes (has similar staff and assets to MCX in this category).							
Corps Laboratory	Technical ability	Experience	Resources	Capacity	Customers	Laboratory Focus	Comment
Coastal and Hydraulics Laboratory	N	N	N	N	N	Research focus is the interaction of water with sediment, structures, and operations in groundwater, watersheds, rivers, lakes, estuaries, coasts, and oceans.	Lack staff expertise or related assets in archaeology, anthropology, curation, collections management, and knowledge management.
Cold Regions Research and Engineering Laboratory	N	N	N	N	N	Expertise related to Earth's cold regions. Research focus is to solve the most difficult environmental physics and cold regions engineering problems.	Lack staff expertise or related assets in archaeology, anthropology, curation, collections management, and knowledge management.
Construction Engineering Research Laboratory	N	N	N	N	N	Research for military installations focuses on design, material and delivery of facilities and improving the efficiency of business practices and operations, maintenance, and repair. Research focus in sustainable ranges and land provides knowledge, tools, and improved practices to support sustained military use of lands, seas, and airspace; and support stewardship of natural and cultural resources on these lands.	Have conducted minimal curation assessments in the 1990s; have not continued as an area of expertise or services. No NAGPRA capabilities. Lack experience in compliance for archaeological collections, curation, collections management, and archival specialties. No expeditionary or forensic experience.
Environmental Laboratory	N	N	N	N	N	Research focus is to solve complex, multi-disciplinary environmental sustainability problems	Lack staff expertise or related assets in archaeology, anthropology, curation, collections management, and knowledge management.
Geospatial Research Lab	N	N	N	N	N	Provides the warrighter and National with superior knowledge of the battlefield through innovative basic and applied research in geospatial and related sciences; conducts research, development, technology, and evaluation of current and emerging geospatial technologies.	Lack staff expertise or related assets in archaeology, anthropology, curation, collections management, and knowledge management.
Geotechnical and Structures Laboratory	N	N	N	N	N	Research focus is developing solutions to challenges in geotechnical and structural engineering; addresses the needs of civil work infrastructure and homeland security along with innovative engineering solutions in the theater of operations.	Lack staff expertise or related assets in archaeology, anthropology, curation, collections management, and knowledge management.

Comparison of USACE Laboratories to MCX-CMAC in technical ability, experience, resources, capacity and customers. N = none (lack the appropriate staff or other assets for the category); L = limited (may have limited staff or assets in this category). Y = yes (has similar staff and assets to MCX in this category).

<u>Corps Laboratory</u>	<u>Technical ability</u>	<u>Experience</u>	<u>Resources</u>	<u>Capacity</u>	<u>Customers</u>	<u>Laboratory Focus</u>	<u>Comment</u>
Information Technology Laboratory	N	N	N	N	N	Research focus is the development and application of advanced information technology to military and civil works missions.	Lack staff expertise or related assets in archaeology, anthropology, curation, collections management, and knowledge management.

Attachment 5. USACE Centers Compared to MCX CMAC

Comparison of USACE Centers to MCX-CMAC in technical ability, experience, resources, capacity and customers. N = none (lack the appropriate staff or other assets for the category); L = limited (may have limited staff or assets in this category). Y = yes (has similar staff and assets to MCX in this category).							
<u>Corps Center</u>	<u>Technical ability</u>	<u>Experience</u>	<u>Resources</u>	<u>Capacity</u>	<u>Customers</u>	<u>Center Focus</u>	<u>Comment</u>
Aircraft Hanger Fire Protection	N	N	N	N	N	Expertise in aircraft hanger design applicable to fire protection systems.	No technical ability, experiences, assets, capacity or customers in cultural resources.
Army Geospatial Center	N	N	N	N	N	Mission is to coordinate integrate and geosynchronize geospatial information requirements and standards across the army.	No technical ability, experiences, assets, capacity or customers in cultural resources.
Automated Performance Monitory of Dams	N	N	N	N	N	Advisory and technical assistance for automating monitoring of dams.	No technical ability, experiences, assets, capacity or customers in cultural resources.
Ballistic Missile Defense System	N	N	N	N	N	Provides standard USACE support and technical expertise to Missile Defense Agencies locations on Redstone Arsenal.	No technical ability, experiences, assets, capacity or customers in cultural resources.
CAD/BIM Technology Center	N	N	N	N	N	Technical and profession services for geospatial technologies including computer aided Design (CAD), building information modeling (BIM), geographic information systems (GIS), and computer aided facility management (CAFM).	No technical ability, experiences, assets, capacity or customers in cultural resources.
CEEIS Processing Centers	N	N	N	N	N	Mission is to provide the necessary world-wide automation and communications environment for the development, deployment and operations of the Enterprise Infrastructure Services.	No technical ability, experiences, assets, capacity or customers in cultural resources.
Centers of Standardization	N	N	N	N	N	Disseminates all the necessary information related to Military Transformation process and standard design development.	No technical ability, experiences, assets, capacity or customers in cultural resources.
Cold Regions	N	N	N	N	N	Combines research capabilities of CRREL with the cold regions design and construction expertise of Alaska District to address cold regions infrastructure and environmental needs.	No technical ability, experiences, assets, capacity or customers in cultural resources.
Concrete Technology Center Roller Compacted Concrete	N	N	N	N	N	Hands-on support for planning, design, construction, testing, forensics, O&M, repair and rehabilitation, and ITR in areas of concrete structures and pavements.	No technical ability, experiences, assets, capacity or customers in cultural resources.

Comparison of USACE Centers to MCX-CMAC in technical ability, experience, resources, capacity and customers. N = none (lack the appropriate staff or other assets for the category); L = limited (may have limited staff or assets in this category). Y = yes (has similar staff and assets to MCX in this category).

<u>Corps Center</u>	<u>Technical ability</u>	<u>Experience</u>	<u>Resources</u>	<u>Capacity</u>	<u>Customers</u>	<u>Center Focus</u>	<u>Comment</u>
Conflict-Resolution and Public Participation Center	N	N	N	N	N	Focus is to assist Corps in the collaboration, partnering, and public participation in water resources decision making by developing and expanding the application of collaborative tools.	No technical ability, experiences, assets, capacity or customers in cultural resources.
Construction Equip/Cost Index Database	N	N	N	N	N	Provides the sole government source of technical data in construction equipment cost methodology in the MCACES environment for the development of all planning, design, and contract award cost estimates.	No technical ability, experiences, assets, capacity or customers in cultural resources.
Corrosion Control and Cathodic Protection	N	N	N	N	N	Provide support functions on the corrosion control and cathodic protection systems.	No technical ability, experiences, assets, capacity or customers in cultural resources.
Cost Engineering for Civil Works	N	N	N	N	N	Maintains and provides the required technical expertise to perform cost engineering support, critical analysis, life cycle cost analysis, value engineering cost support, procedural/peer reviews, ITRs, and serves as a repository for cost engineering software, databases, and regulations.	No technical ability, experiences, assets, capacity or customers in cultural resources.
Dam Safety Modification	N	N	N	N	N	Mission is to develop the expertise to deliver dam safety modifications critical to the continued safe operation of the USACE inventory of dams.	No technical ability, experiences, assets, capacity or customers in cultural resources.
Defense National Relocation Program	N	N	N	N	N	Designed to provide hotline services, client service counselors, destination services, and guaranteed home sales.	No technical ability, experiences, assets, capacity or customers in cultural resources.
Electronic Security Center	N	N	N	N	N	Reviews all design and test submittals for Army electronic security systems.	No technical ability, experiences, assets, capacity or customers in cultural resources.
Engineering Management Systems	N	N	N	N	N	Provides services to establish and manage EMSs.	No technical ability, experiences, assets, capacity or customers in cultural resources.

Comparison of USACE Centers to MCX-CMAC in technical ability, experience, resources, capacity and customers. N = none (lack the appropriate staff or other assets for the category); L = limited (may have limited staff or assets in this category). Y = yes (has similar staff and assets to MCX in this category).

<u>Corps Center</u>	<u>Technical ability</u>	<u>Experience</u>	<u>Resources</u>	<u>Capacity</u>	<u>Customers</u>	<u>Center Focus</u>	<u>Comment</u>
Environmental and Munitions Center	N	N	N	N	N	Remediates properties contaminated with hazardous waste, radioactive materials, and/or ordnance in compliance with federal, state and local laws and regulations striving for sustainability while meeting the current as well as future needs, safeguarding human health and safety, improving quality of life, and enhancing the natural environment.	No technical ability, experiences, assets, capacity or customers in cultural resources.
Explosives Safety	N	N	N	N	N	Serves under the Protective Design MCX and performs explosive safety site plan reviews.	No technical ability, experiences, assets, capacity or customers in cultural resources.
Fuel Facilities: Petroleum, Oils, and Lubricants	N	N	N	N	N	Capable of providing the following functions: (1) Preparation of POL Systems designs. (2) Review POL Systems design submittals. (3) Telephone and on-site consulting services in all phases of POL Systems design, construction, operation and maintenance. (4) Review of DD 1391's that identify POL Systems during the MSC DD 1391 review and certification process. (5) Perform POL Systems surveys. (6) Provide advice on expansion of existing POL Systems. (7) Review shop drawings and other technical submittals.	No technical ability, experiences, assets, capacity or customers in cultural resources.
Heating Ventilating, and Air Conditioning	N	N	N	N	N	Provides customers with technical and contractual support in solving HVAC issues associated with both new or existing facilities.	No technical ability, experiences, assets, capacity or customers in cultural resources.
Heating, Ventilation, and Air Conditioning Control Systems	N	N	N	N	N	Support USACE in the development of criteria, research, and development and technology transfer.	No technical ability, experiences, assets, capacity or customers in cultural resources.

Comparison of USACE Centers to MCX-CMAC in technical ability, experience, resources, capacity and customers. N = none (lack the appropriate staff or other assets for the category); L = limited (may have limited staff or assets in this category). Y = yes (has similar staff and assets to MCX in this category).							
<u>Corps Center</u>	<u>Technical ability</u>	<u>Experience</u>	<u>Resources</u>	<u>Capacity</u>	<u>Customers</u>	<u>Center Focus</u>	<u>Comment</u>
Historic Building and Structures	N	N	N	N	N	Provides architectural services, consultation and assistance on all architectural, legal, and technical issues regarding preservation, project plans & specifications, material science, training & workshops, structural analysis, structural inventories & evaluations, recordation & documentation, maintenance plans, compliance assistance, preservation Studies, and historic landscape preservation, and National Register nominations.	Targeted at non-archaeological resources, the built environment, and standing structures; lacks capability in archaeological mitigations, collections management, archives, knowledge management, NAGPRA, and expeditionary work (forensic and archaeological)
Homeowners Assistance Program	N	N	N	N	N	Provides a hotline, counselor, government acquisition, private sale benefits, and foreclosure benefits.	No technical ability, experiences, assets, capacity or customers in cultural resources.
Hydroelectric Design Center	N	N	N	N	N	Maintains capability and proficiency required for the planning, engineering, design, and criteria development for existing and new hydroelectric power plants and large flood control or water supply pumping plants.	No technical ability, experiences, assets, capacity or customers in cultural resources.
Hydrologic Engineering Center	N	N	N	N	N	Part of Institute for Water Resources; research, training, and technical assistance in state of the art hydrologic engineering and associated planning analysis.	No technical ability, experiences, assets, capacity or customers in cultural resources.
Industrial Control Systems (ICS) Cybersecurity	N	N	N	N	N	Promotes cybersecurity awareness and provides technical services related to ICS cybersecurity for military construction projects; sustainment, restoration and modernization (SRM) projects; and operations and maintenance effort to deliver cyber secure facilities to military customers.	No technical ability, experiences, assets, capacity or customers in cultural resources.
Installation Support Center	N	N	N	N	N	Provides support in public works business processes, systems, training, and contingency support to provide outstanding mission and quality of life support to military installations.	No technical ability, experiences, assets, capacity or customers in cultural resources.
Institute for Water Resources	N	N	N	N	N	Studying and evaluation water resources policy issues.	No technical ability, experiences, assets, capacity or customers in cultural resources.

Comparison of USACE Centers to MCX-CMAC in technical ability, experience, resources, capacity and customers. N = none (lack the appropriate staff or other assets for the category); L = limited (may have limited staff or assets in this category). Y = yes (has similar staff and assets to MCX in this category).							
<u>Corps Center</u>	<u>Technical ability</u>	<u>Experience</u>	<u>Resources</u>	<u>Capacity</u>	<u>Customers</u>	<u>Center Focus</u>	<u>Comment</u>
Interior Design and Space Planning	N	N	N	N	N	Building and Furniture related design services.	No technical ability, experiences, assets, capacity or customers in cultural resources.
Joint Airborne Lidar Bathymetry Center	N	N	N	N	N	Mission is to perform operations, research, and development in airborne lidar bathymetry and complementary technologies to support the coastal mapping and charting requirements of USACE.	No technical ability, experiences, assets, capacity or customers in cultural resources.
Marine Design Center	N	N	N	N	N	Expertise for the development and application of innovative strategies and technologies for naval architecture and marine engineering.	No technical ability, experiences, assets, capacity or customers in cultural resources.
Medical Facilities	N	N	N	N	N	Medical facility design expertise.	No technical ability, experiences, assets, capacity or customers in cultural resources.
Paint Technology Center	N	N	N	N	N	Advises subordinate commands on design, installation, and maintenance; provides consultation on painting problems; improved paint and coating performance; surface preparation and application; and paint inspection techniques and standards. In addition, it performs R&D, training, and maintains painting guide specifications and manuals	No technical ability, experiences, assets, capacity or customers in cultural resources.
Photogrammetric Mapping	N	N	N	N	N	Photogrammetric mapping services include the following: 1. Airborne GPS Controlled Photogrammetric 2. LIDAR Data Acquisition and Processing 3. GIS Development 4. Digital Orthophotography 5. Large & Small Scale Topographic Mapping 6. Remote Sensing 7. Land-use Classification 8. Softcopy Photogrammetric 9. Historical Photography Searches 10. Cost Estimating.	No technical ability, experiences, assets, capacity or customers in cultural resources.

Comparison of USACE Centers to MCX-CMAC in technical ability, experience, resources, capacity and customers. N = none (lack the appropriate staff or other assets for the category); L = limited (may have limited staff or assets in this category). Y = yes (has similar staff and assets to MCX in this category).

<u>Corps Center</u>	<u>Technical ability</u>	<u>Experience</u>	<u>Resources</u>	<u>Capacity</u>	<u>Customers</u>	<u>Center Focus</u>	<u>Comment</u>
Planning Centers of Expertise (5)	N	N	N	N	N	Focus on plan formation and complex technical evaluations associated with formulations; to enhance the Corps' planning capability for inland navigation, deep draft navigation, ecosystem restoration, hurricane and storm damage reduction, flood damage reduction, and water supply reallocation.	No technical ability, experiences, assets, capacity or customers in cultural resources.
Protective Design Center	N	N	N	N	N	Maintains expertise in protective design to resist the effects of munitions, weapons, and explosives; include vulnerability assessments.	No technical ability, experiences, assets, capacity or customers in cultural resources.
Range and Training Land Program	N	N	N	N	N	Expertise for the planning, programming, design, and construction of Army training ranges and selected indoor training facilities. Technical expertise includes (1) ballistics analysis, facility planning, design, and construction (2) facility safety review, and (3) Army/USMC Standard Designs.	No technical ability, experiences, assets, capacity or customers in cultural resources.
Rapid Response HTRW Center	N	N	N	N	N	Capable of providing time critical HTRW remediation/removal project execution, rapid response site "start up" and transition to traditional District for final execution, HQUSACE "Tiger Team" support, cost reimbursable contract management training, cost reimbursement contract oversight assistance, and site support to USACE team.	No technical ability, experiences, assets, capacity or customers in cultural resources.
Readiness Support Center	N	N	N	N	N	Serves as a resource for planning and preparedness activities within the Corps of Engineers. The main emphasis is to assist in the planning, hazard reduction, training, exercise programs, and research and development including technology transfer	No technical ability, experiences, assets, capacity or customers in cultural resources.
Real Estate Systems National Center	N	N	N	N	N	Provide functional support, quality assurance, quality control, and training to support the Divisions and Districts that utilize REMIS, RECIS, HAPMIS & RFMIS-RD for their real estate business activities	No technical ability, experiences, assets, capacity or customers in cultural resources.

Comparison of USACE Centers to MCX-CMAC in technical ability, experience, resources, capacity and customers. N = none (lack the appropriate staff or other assets for the category); L = limited (may have limited staff or assets in this category). Y = yes (has similar staff and assets to MCX in this category).							
<u>Corps Center</u>	<u>Technical ability</u>	<u>Experience</u>	<u>Resources</u>	<u>Capacity</u>	<u>Customers</u>	<u>Center Focus</u>	<u>Comment</u>
Sign Standards Program	N	N	N	N	N	Provides technical guidance and support in compliance with and implementing the Sign Standards Program for CW projects.	No technical ability, experiences, assets, capacity or customers in cultural resources.
Supercomputing Resource Center	N	N	N	N	N	Provides high performance computing (HPC) resources to DOD scientists and engineers across the Nation.	No technical ability, experiences, assets, capacity or customers in cultural resources.
Survey Engineering and Mapping Center	N	N	N	N	N	Provides technology consulting, application of new technology to projects, custom software development, A-E contracting assistance, training, and engineering documentation.	No technical ability, experiences, assets, capacity or customers in cultural resources.
Transportation System Center	N	N	N	N	N	Supports the Army mission for training, operations, and mobilization by providing expertise in the design, construction, and evaluation of military airfields, railroads, and roadways.	No technical ability, experiences, assets, capacity or customers in cultural resources.
Tribal Nations	L	N	N	N	N	Provide support to the USACE senior tribal liaison and the Tribal Nations Program to improve the delivery of water resources projects to Indian tribes. Reviews design and test submittals for utility monitoring and control systems; provides complete planning and design services for any type of distributed computer based monitoring and control system.	Technical ability limited to tribal consultation, not the full range of technical capabilities of the MCX CMAC. Lacks the experience, assets, capacity and customers in tribal consultation for curation, collections management, and NAGPRA.
Utility Monitoring and Control Systems	N	N	N	N	N		No technical ability, experiences, assets, capacity or customers in cultural resources.
Water Resources Remote Sensing/GIS Technology Center	N	N	N	N	N	Provides assistance in the application of remote sensing and GIS to Corps water resources mission requirements.	No technical ability, experiences, assets, capacity or customers in cultural resources.