

**FISCAL YEAR (FY) 2023 ANNUAL REPORT:
*PROGRAMMATIC AGREEMENT AMONG THE U.S. ARMY GARRISON FORT CARSON, THE STATE
HISTORIC PRESERVATION OFFICER, AND THE ADVISORY COUNCIL ON HISTORIC
PRESERVATION REGARDING CONSTRUCTION, MAINTENANCE, AND OPERATIONS ACTIVITIES
FOR AREAS ON FORT CARSON, COLORADO***

NOVEMBER 15, 2023

The U.S. Army Garrison (USAG) Fort Carson submits the following annual report to the State Historic Preservation Officer (SHPO) and concurring parties in accordance with Stipulation VII of the *Programmatic Agreement among the U.S. Army Garrison Fort Carson, the Colorado State Historic Preservation Officer, and the Advisory Council on Historic Preservation regarding Construction, Maintenance, and Operations Activities for Areas on Fort Carson, Colorado*, hereafter referred to as the Fort Carson Built Environment PA. This report covers the period from October 1, 2022, through September 30, 2023, and is formatted in accordance with Appendix D. It only discusses the areas of potential effects (APEs) covered by the Fort Carson Built Environment PA. It has been distributed electronically to the SHPO and concurring parties and is available online at: <https://home.army.mil/carson/index.php/Directorate/directorate-public-works/nepa-and-cultural-resources-documents>.

I. Exempted Undertakings

Table 1 of Enclosure 1 lists all exempted undertakings that have been reviewed by the Fort Carson Cultural Resources Management Program (CRMP) between October 1, 2021, and September 30, 2022. Two hundred and sixteen undertakings were reviewed that were considered exempted in accordance with Appendix C of the Fort Carson Built Environment PA.

II. Non-Exempted Undertakings

Table 2 of Enclosure 1 lists all reviewed undertakings that required consultation in accordance with Section 106 of the National Historic Preservation Act (NHPA) during the reporting period. Eight undertakings required Section 106 consultation. Section 106 consultation has been completed for seven undertakings (2023-004, 2023-062, 2023-169, 2023-142, 2023-178, 2021-282, 2023-226).

Consultation has not been initiated for one undertaking (2022-041) to repair a waterline at the Olympic Shooting Center in the Bird Farm of Fort Carson. The survey of the APE has been completed and documentation is currently under internal review.

2022-043 Off-installation Low-Elevation Flight Training consultation was initiated in November 2021. Responses have been received from the State Historic Preservation Officer, Pike-San Isabel National Forest & Cimarron and Comanche National Grasslands, Edgar Ranches LLC, Huerfano County Commissioners, Las Animas County Commissioners, Not 1 More Acre!, Otero County Commissioners, Santa Fe Trail

Association, Pawnee Nation of Oklahoma, Northern Cheyenne Tribe, and the National Park Service's National Trails Intermountain Region.

- On June 30, 2022 the Advisory Council for Historic Preservation and the State Historic Preservation Officer were notified that there was a potential that the low-level routes had been used for training before consultation was completed. The Fort Carson's responses to the initial consultation notification were delayed by the investigation into the matter. Review of over 1,100 flight plans revealed that there was no low-level aviation training along the proposed Routes Saber, Comanche, Mustang or Gambler. Route Hawk, which is substantially the same as Routes Mustang and Gambler (and for which NHPA Section 106 consultation and NEPA evaluation have been completed), has used for all low-level aviation training flights from Fort Carson. The ACHP was notified of the findings on August 31, 2022.
- On April 19, 2023, Fort Carson responded to letters sent to Fort Carson from February through March 2022. The response to comment/letters was delayed because of staff changes at Fort Carson and PCMS.
- On May 18, 2023, SHPO responded to the April 19, 2023, letter received by Fort Carson. Two concerns, a typo regarding the APE for the flight lines (all APEs are 3 miles wide), and the effort to identify cultural resources on private lands. We used the SHPO database, research, past S106's on Route Hawk and other accepted methods. The Fort Carson Cultural staff engaged the local historic preservation boards/commissions to see if they had information on unreported eligible properties. None were found in the APE that were not already mitigated because they were in towns or were buildings.
- On August 17, 2023, Fort Carson responded to the SHPOs concerns with our additional efforts to identify cultural properties.
- On September 18, 2023 SHPO responded to the August 17, 2023 letter, They asked for more information on the effects of rotorwash on cultural resources.
- On October 11, 2023 Fort Carson sent a supplement to the existing undertaking review to SHPO and consulting parties regarding rotorwash and ultra-sonic vibrations.
- Consultation for this undertaking is ongoing and Fort Carson is awaiting response from SHPO and consulting parties

The following is an update to the status of Section 106 consultation continuing from the fiscal year 2021 reporting period:

- 2019-259 and 2021-054/073/309 Prescribed Fire and Wildland Fuels Reduction Plan, Fort Carson and PCMS: Section 106 consultation is still ongoing for APEs in Bird Farm Recreation Area, Turkey Creek Complex, and Wildlife demonstration Area.
- 2021-010 Repair Leak in Basin of Spring Branch Reservoir: This project has been pushed to 2025, therefore, Section 106 consultation has not been initiated. An inventory and evaluation of Spring Branch Reservoir and Ditch was completed as part of a larger irrigation network historic context study, but the CRM has determined more fieldwork and archival research is required prior to making a determination of eligibility.

Table 3 of Enclosure 1 lists all other non-exempted undertakings that were reviewed by the Fort Carson CRMP. These 14 undertakings with no potential to affect historic properties including document reviews, non-destructive land surveys, changing Soldier stationing assignments and other undertakings.

III. Actions Update

A. Cultural Resources Awareness Training

The following cultural resources awareness training materials are provided to Soldiers, civilian employees, contractors, and other users, as appropriate:

- Environmental Protection Officer (EPO) course – provided monthly to Soldiers who serve as the EPO for their unit.
- Fort Carson Environmental Battle Book, 2018, v6.1 – a quick reference document for guidance on common environmental concerns including cultural resources; a Cultural Resources Awareness Video
- Cultural Resource Awareness Training for the 2023 United States Air Force Academy Cadet Survival Training at the PCMS. Cultural Awareness Training was conducted in sessions from June 3, 2023, until July 15, 2023. Each training session was administered to approximately 200 cadets.

Additional training materials, briefs, and presentations are provided on an as needed basis, and are typically specific to the situation.

B. Inventory and Survey of the APEs

Cultural surveys have been conducted for (2022-041) to repair a waterline at the Olympic Shooting Center. The archival research that will aid in the determinations of eligibility and finding of effects are on-going. Information on the results of the survey will be provided with the initial consultation notification for the undertaking. There were no other cultural resource surveys conducted within the APEs during the reporting period.

C. Exempted Undertakings

See Table 1 of Enclosure 1. As of September 30, 2022, 177 undertakings were reviewed that are considered to be exempted undertakings in accordance with Appendix C of the Fort Carson Built Environment PA.

D. Expanding the APEs for Exempted Undertakings

The APEs have not been expanded during the reporting period.

E. Inadvertent Discoveries

There were no inadvertent discoveries during the reporting period.

F. Emergency Response per 36 CFR 800.12

Per 36 CFR 800.12(d), fire suppression activities associated with the following wildland fire events are considered immediate rescue and salvage operations conducted to preserve life or property, and as such, are exempt from the provisions of Section 106.

There were no wildland fire events during the reporting period.

G. Amendment

On September 28, 2021, USAG Fort Carson notified the ACHP, SHPO, Tribes, and other consulting and interested parties of our intention to implement the Army Alternate Procedures (AAP), and requested point-of-contact information for those interested in collaborating with USAG Fort Carson in the development of a Historic Properties Component. Implementation of the AAP would supersede the Fort Carson Built Environment PA. This effort is on-going. Third Amendment to the Fort Carson Built Environment PA that extends the duration of the PA until December 31, 2021, was executed on December 18, 2021. A fourth amendment is proposed to extend the PA until December 31, 2025, to allow time for the Army Alternate Procedures consultation to be completed. The initial AAP consultation kick off meeting was held on June 15, 2023. Three additional meetings were held: July 15, 2023, August 17, 2023, and September 21, 2023. After the September meeting a draft AAP was sent to the SHPO and consulting parties. The October meeting was canceled to allow time for consulting parties to review the draft AAP. Consultation for AAP is ongoing and the next meeting is scheduled for November 16, 2023.

H. Dispute Resolution

There have been no dispute resolution activities during the reporting period.

Report compiled by:

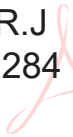
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ENCLOSURE 1

ENCLOSURE 1:

ALL UNDERTAKINGS REVIEWED BY THE FORT CARSON CRMP DURING THE FY23 REPORTING PERIOD (OCTOBER 1, 2022 THROUGH SEPTEMBER 30, 2023) UNDER THE FORT CARSON BUILT ENVIRONMENT PA

Table 1: Exempted Undertakings

USAG Fort Carson NEPA Project Number(s) & Project Title	USAG Fort Carson Project Number(s)	Location (APE)	Exemption(s) Used	Date(s) Reviewed	Remarks
2023-001 Subway Image Upgrade, Bldg. 6110, Fort Carson	CIV22-048	Main Post	BE I.A2	10/4/2022	Proposed work includes: new wall finishing, ceiling finishes, millwork, countertops, and signage
2023-002 Subway Image Upgrade, Bldg. 900, Fort Carson	CIV22-049	Main Post	BE I.A2	10/4/2022	Proposed work includes: new wall finishing, ceiling finishes, millwork, countertops, and signage
2023-003 Subway Image Upgrade, Bldg. 9478, Fort Carson	CIV22-050	Main Post	BE I.A2	10/4/2022	Proposed work includes: new wall finishing, ceiling finishes, millwork, countertops, and signage
2023-006 FY23 Quarterly Advisory REC for Training on FC and PCMS	DPT23QTR1	Main Post Downrange Fort Carson PCMS Numbered TAs PCMS Lettered TAs PCMS Training Area A	BE I.C3 FC A FC B FC C PC B1 PC B1 PC B2 PC B3 PC C1 PC C2 PC D1 PC D2	10/20/2022	Per Fort Carson Regulation 200-1, each quarter the Record of Environmental Consideration (REC) for training will be updated. This quarterly training REC covers use of established ranges, drop zones, landing zones, and other training facilities; maneuver training (mounted, dismounted, and aerial); excavation training; etc. It does not cover brigade-sized training exercises, which are reviewed separately. In addition, excavation training is reviewed by the Cultural Resources Program on a case-by-case basis. Updated GIS layers of protected resources restrictions, as well as Standard Operating Procedures (SOPs) and cultural resources awareness training briefs for Fort Carson and PCMS are provided to DPTMS for planning purposes.
2023-007 Boingo Wireless Cellular Macro Tower South Railroad	CIV23-001	Main Post	BE I.A2	10/26/2022	Proposed work includes: complete Geotech boring to complete a full Geotechnical analysis and foundation mapping for the existing cellular tower
2023-009 Paint Conference Room, Bldg. 9420, 3d Flr North Wing, Fort Carson	2BD23-001	Main Post	BE I.A2	10/26/2022	

USAG Fort Carson NEPA Project Number(s) & Project Title		USAG Fort Carson Project Number(s)	Location (APE)	Exemption(s) Used	Date(s) Reviewed	Remarks
2023-010	Boingo Wireless Cellular Macro Tower Butts Road	CIV23-002	Main Post	BE I.A2	10/26/2022	Proposed work includes: complete Geotech boring to complete a full Geotechnical analysis and foundation mapping for the existing cellular tower
2023-011	Boingo Wireless Cellular Macro Wilderness Tower	CIV23-003	Main Post	BE I.A2	10/26/2022	Proposed work includes: complete Geotech boring to complete a full Geotechnical analysis and foundation mapping for the existing cellular tower
2023-012	Construct Service Drops, Multiple Buildings, Fort Carson	CIV23-004	Main Post	BE I.A1 BE I.A2	10/27/2022	Proposed work includes: installing service drops by running new cable in new conduit which will require digging about 1 inch diameter and about 18-36 inches deep
2023-013	Repair Damaged CATV Cable, Multiple Buildings, Fort Carson	CIV23-005	Main Post	BE I.A2	10/27/2022	Proposed work includes: replacing bad service drop by running new cable in new conduit which will require digging about 1 inch diameter and about 18-36 inches deep
2023-014	Construct Service Drops, Multiple Buildings, Fort Carson	CIV23-006	Main Post	BE I.A1 BE I.A2	10/27/2022	Proposed work includes: installing service drops by running new cable in new conduit which will require digging about 1 inch diameter and about 18-36 inches deep
2023-015	Repair Cement Playground, Bldg. 2764, Fort Carson	CIV22-002	Main Post	BE I.A1 BE I.A2	10/27/2022	
2023-016	Repair and Relocate Primary Circuit 5, Fort Carson	DPW22-047	Main Post	BE I.A1 BE I.A2	11/2/2022	
2023-017	Repair and Replace Rodent Damage to Insulation, Bldg 9510, Fort Carson	DPT19-012	Main Post	BE I.A2	11/2/2022	Proposed work includes: repairing rodent damage, locating entry point to prevent further rodent damage, and replacing all contaminated insulation
2023-018	Construct Replacement Building for Buildings 9246 and 9248, Fort Carson	DPW22-042	Main Post	BE I.A1	11/2/2022	CANCELLED
2019-019	Repair and Replace Lightning Protection System (LPS) Multiple Buildings, Fort Carson	CIV19-002	Main Post	BE I.A2	11/2/2022	
2023-020	Repair and Replace Lighting System, Bldg 9067, Fort Carson	DPW22-045	Main Post	BE I.A2	11/3/2022	

USAG Fort Carson NEPA Project Number(s) & Project Title		USAG Fort Carson Project Number(s)	Location (APE)	Exemption(s) Used	Date(s) Reviewed	Remarks
2023-021	Replace Entire Lighting System, Bldg 9420, Fort Carson	DPW22-046	Main Post	BE I.A2	11/3/2022	
2023-022	Repair Physical Security Issues, Bldg 1525 (CIF), Fort Carson	CIV20-024	Main Post	BE I.A2	11/3/2022	Proposed work includes: replacing 3 doors and installing a rolldown cage door, a lock on fitting room door, bars over warehouse windows, and exterior security entrance lighting
2023-023	Repair and Replace Loading Bay Rollup Doors, Bldg 4410, Fort Carson	CIV22-005	Main Post	BE I.A2	11/3/2022	
2023-024	Install Bird Spikes and Slopes, Gate 1, Fort Carson	DPW19-102	Main Post	BE I.A2	11/3/2022	
2023-025	Install Lids and Caps, Gate 3 Shoppette, Bldg 510, Fort Carson	CIV20-020	Main Post	BE I.A1 BE I.A2	11/3/2022	Proposed work includes: furnishing and installing six 12" diameter OPW Cast Iron Covers and Seal Replacement Kit, three 4" diameter OPW Fill Port Cap, and three 3" diameter OPW Vapor Port Cap
2023-026	Replace Heating and Cooling VRF System, Bldg 4356, Fort Carson	DPW20-082	Main Post	BE I.A2	11/3/2022	Proposed work includes: engineering and designing replacement of the heating and cooling VRP with standalone 40 ton heating/cooling package unit
2023-027	FPO Drainage Flatwork, Range 9, Fort Carson	SFG23-001	Main Post	BE I.B2	11/14/2022	Proposed work includes: clearing and grubbing Range 9, shaping and compacting sub-base, and lay wear course and compact
2023-028	Install Electrical Outlets, Bldg 2130, Fort Carson	DPT23-002	Main Post	BE I.A2	11/14/2022	
2023-030	Repair and Replace Drainage System, Multiple Buildings, Fort Carson	SFG18-011	Main Post	BE I.B2	11/14/2022	Proposed work includes: installing pavement and developing proper land/hardscaping and drainage BMPS
2023-033	Mount TV to Wall in Bldg 1435 Room 143, Fort Carson	4ID23-002	Main Post	BE I.A2	11/22/2022	
2023-034	Construct Utilities by 4EN BN, Bldg 9633, Fort Carson	TEN23-001	Main Post	BE I.A1 BE I.A2	11/23/2022	Proposed work includes: installing four 150 ft domestic water pipeline and hose bibs, installing an additional 15 outlets and conduit for the hangar and Maintenance office
2023-035	RPR, Switches from PMH to PME, Circuit 1	DPW20-015	Main Post	BE I.A2	11/30/2022	

USAG Fort Carson NEPA Project Number(s) & Project Title		USAG Fort Carson Project Number(s)	Location (APE)	Exemption(s) Used	Date(s) Reviewed	Remarks
2023-036 RPR, Gas Mains, Bldg 7500, Fort Carson		DPW20-020	Main Post	BE I.A2	11/30/2022	Proposed work includes: replacing approximately 3,200 LF of existing steel gas piping with polyethylene gas piping
2023-037 RPR, Sanitary Lines, Bldg 1014, Fort Carson		DPW23-031	Main Post	BE I.A2	11/30/2022	Proposed work includes: replacing the sanitary sewer lines by replacing approximately 100 ft of underground pipe from manhole to the building and all interior pipes under and above the slab, replacing walls and slabs after demolition
2023-038 RPR, Parking Lot Stack DFAC Bldg 2330, Fort Carson		DPW23-011	Main Post	BE I.A2	12/6/2022	Proposed work includes: applying 2" mill and overlay to repair high severity thermal cracks, totaling less than 1 acre of full depth patch and 1.6 acres for partial depth mill and overlay
2023-040 Construction Dig Permit for Earthmoving Operations TA Bravo, Fort Carson		1BD23-001	Main Post	BE I.A1	12/7/2022	Construction dig permit
2023-041 Ditch Maintenance at Signal Hill		SO67-22330	Main Post	BE I.B2 BE I.B3	12/13/2022	Proposed work includes: restoring drainage adjacent to the road on the north-facing side of Signal Hill by removing sediment, repairing sections of embankment, removing trees and brush, installing rip rap checks and BMP as needed, and marking area with white tape and lath
2023-042 RPR, Wetzel Avenue Project, Fort Carson		DPW23-005	Main Post	BE I.A2	12/13/2022	Proposed work includes: applying two inch mill and overlay of asphalt pavement, deep strengthening and replacing curb and gutters in select places, totaling 5 acres of mill and overlay
2023-043 Tree Straightening, Bldg 1118, Fort Carson		DPW23-035	Main Post	BE I.A2 BE I.B3	12/14/2022	Proposed work includes: driving three T-posts into the ground on the building side of a leaning Rocky Mountain Juniper tree and attaching three straps to the trunk and the three posts in order to straighten tree encroaching on the main entrance

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2023-044 FY23 Prairie Dog Control and Treatment	DPW23-034	Main Post Turkey Creek Complex Bird Farm Downrange Fort Carson PCMS Cantonment	BE I.B3 FC D2b PC A3b	3/21/2023	Proposed work includes: the elimination of prairie dog colonies with rodenticides and flea control with insecticides. Treatments will take place at: Butts Army Airfield; the Ammunition Supply Point; Olympic shooting center; Patriot School Age Center and adjacent; Ranges 104, 105, 109, 11, 111, 115A, 115B, 117, 119, 121C, 127, 127A, 139, 143 Helipad, 151, 153, 155, 24, 29, 45, 49, 51, 55, 57, and 65; TA 51 forward arming and refueling point; Turkey Creek Ranch; Wilderness Road Complex; and PCMS airfield. Section 106 consultation was completed in July 2019 for the Turkey Creek Complex as part of NEPA Project No. 2019-168. Section 106 consultation was completed in March 2023 for the Olympic shooting center at Bird Farm as part of NEPA No. 2023-044.
2023-045 Install Automated Vehicle Barriers at Gates 3, 6, and 19	DIR23-001	Main Post	BE I.A1 BE I.A2	12/16/2022	Proposed work includes: installing automated vehicle barriers about 10-150 inside Gates 3, 6, and 29 by sawing into existing roadway and installing equipment and gate structures and repairing roadway
2023-046 RPR, B&B Cooktops, Bldgs 2053 and 2054	DPW23-027	Main Post	BE I.A2	12/19/2022	Proposed work includes: installing electric cooktop units in B&B Barracks, reconfiguring or replacing existing cabinets and electrical to support the cooktop, microwave, and counter receptacles

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2023-047 RPR, B&B Cooktops, Bldgs 2150 and B2152		DPW23-032	Main Post	BE I.A2	12/19/2022	Proposed work includes: installing electric cooktop units in B&B Barracks, reconfiguring or replacing existing cabinets and electrical to support the cooktop, microwave, and counter receptacles
2023-048 RPR, B&B Cooktops, Bldgs 2150 and B2152		DPW23-033	Main Post	BE I.A2	12/19/2022	Proposed work includes: installing electric cooktop units in B&B Barracks, reconfiguring or replacing existing cabinets and electrical to support the cooktop, microwave, and counter receptacles
2023-050 RPR, Water Service Pipe 2600 Area		DPW15-065	Main Post	BE I.A2	12/20/2022	Proposed work includes: replacing Schedule 40 water piping with High Density Polyethylene
2023-051 CNS Secondary Water Supply 7800 Block		DPW21-063	Main Post	n/a	12/20/2022	CANCELLED
2023-052 CNS, Hazardous Waste Admin Facility		DPW22-042	Main Post	BE I.A1 BE I.A2 BE I.A3	12/20/2022	Proposed work includes: installing new PVC piping, valves, and pressure reducing valve enclosed in a vault
2023-053 CNS, PRV Bypass 7800 Block, Fort Carson		DPW21-063	Main Post	BE I.A1 BE I.A2	12/20/2022	Proposed work includes: constructing a new building and installing water, sewer, gas, electric, and communication utility service lines and constructing chain-link fence and gates
2023-054 Demolish Bldg 4355, Fort Carson		DPW22-007	Main Post	BE I.A3 BE I.B3	12/21/2022	Proposed work includes: demolishing Building 4355 and associated site improvements, utilities, driveway, and parking lot
2023-055 CNS, Fence at Gates 2 and 5, Fort Carson		DPW23-028	Main Post	BE I.A1	12/21/2022	Proposed work includes: constructing chain-link fence, approximately 900 ft at Gate 2 and 800 ft at Gate 5
2023-056 Triple Foods BK Image Update, Bldg 1534, Fort Carson		CIV23-008	Main Post	BE I.A2	12/22/2022	Proposed work includes: installing new wall finishes, ceiling finishes, millwork, countertops, signage interior/exterior, drive thru exterior equipment, and dining room fixtures

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2023-007 CNS, Major Fuel Tactical Vehicle Maintenance		TEN23-002	Main Post	BE I.A1 BE I.A2	1/4/2023	
2023-050 CNS, Walkway with Steps and Rails from B1816 to Parking Lot		TEN22-020	Main Post	BE I.A1 BE I.A2	1/4/2023	
2023-059 RPR Doors & Epoxy Floor, Bldg 9620		RES23-002	Main Post	BE I.A2	1/4/2023	Proposed work includes: removing, supplying, and installing bumper pick-up plate system and reinforcement, as well as a power conveyance system, door motors and drive systems, electrical components, field wiring, safety edges, door floor bumps, and safety signage for new hangar door; preparing concrete floors in maintenance hangar bay, foyer, shop, and halls 1 & 2, and providing a white and yellow epoxy paint
2023-060 Repair and Expand MEP Area, Bldg 9280		RES23-001	Main Post	BE I.A1 BE I.A2 BE I.B2	1/4/2023	Proposed work includes: constructing a security fence with 3-stands barbed wiring; installing swing gates for vehicle access, security lighting, drainage as needed, vehicle approach from Tank Trail, and crushed aggregate surfacing with prepared subgrade and separation fabric
2023-063 CNS, EV Charging Station Bldg 2082		SPC23-001	Main Post	BE I.A1	1/4/2023	
2023-064 Dig Permit--Strickland Field Trees, Bldg 7404		SFG23-003	Main Post	BE I.B2 BE I.B3	1/4/2023	Proposed work includes: planting approximately 335 meters of trees around the perimeter of Strickland Field with minimum 8-meter spacing between trees and minimum offset of 5 meters from any roadways or buildings, with an estimated planting hole depth of 3 feet; removing dead trees in Strickland Field; and providing water irrigation for newly planted trees for a minimum of one year;

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2023-065 RPR, A15B Refuel Holding Concrete Pad		BAA17-008	Main Post	BE I.A1 BE I.A2	1/4/2023	Proposed work includes: replacing all Portland Cement Concrete slabs at Refuel Holding Concrete Pad for 30,000 square feet
2023-066 RPR Electric in Storage and Carport Sheds, Bldg RG057K Motor Pool Yard		DPT23-003	Main Post	BE I.A2	1/5/2023	CANCELLED
2023-067 RPR, Erosion and Drainage Swales, Multiple		DPW17-108	Main Post	BE I.B2	1/5/2023	Proposed work includes: stabilizing erosion on slopes and removing silt to improve drainage; regrading low areas to prevent ponding and re-establishing drainage swale geometry to maintain a positive flow; backfilling and armoring around drainage structure to prevent erosion of overtopping of drop inlet
2023-068 RPR, SEC Gravel Parking, Bldg 1829		DPW23-008	Main Post	BE I.A2 BE I.B2	1/5/2023	Proposed work includes: repairing gravel parking lot by reconditioning the aggregate parking lot surface, providing lighting, and incorporating landscaping features to facilitate proper drainage
2023-070 Base Mounts for RFID Gates + Data Drops, at Grant Library, Bldg 1528		GAR23-001	Main Post	BE I.A2	1/9/2023	Proposed work includes: adding new network outlet with 3 ports at all 3 entrances; adding 2 self-checkout stations; and drilling holes to have base mounts hold gates
2023-071 RPR, Utah Beach East, Fort Carson		DPW23-024	Main Post	BE I.A2 BE I.B2	1/9/2023	Proposed work includes: milling and overlaying asphalt pavement; deep strengthening; repairing curb, gutter, sidewalk and culvert
2023-072 RPR Damaged River Harr St & Sam Houston, Fort Carson		CIV23-009	Main Post	BE I.A2	1/10/2023	
2023-073 RPR Lightning Protection System (LPS) Multiple, Fort Carson		CIV19-002	Main Post	BE I.A2	1/10/2023	Proposed work includes: installing bonding jumpers on all earth-covered bunker doors and installing surge protection on all incoming electrical and communication lines entering underground bunkers
2023-074 Asbestos Abatement, Military Clothing Sales Bldg 1510		CIV23-011	Main Post	BE I.C2	1/12/2023	

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2023-075 Convert Burger King to Golden Grill Express, Bldg 6110		CIV23-010	Main Post	BE I.A2	1/12/2023	Proposed work includes: installing Golden Grill Express graphics and new equipment and fixtures with existing electric outlet; adding two countertop tables; reusing most of existing equipment
2023-076 CNS, 30 Electrical Outlets in Bldg 9633, Fort Carson		BAA22-007	Main Post	BE I.A2	1/12/2023	
2023-077 Install Safe at Jimmy John's, Bldg 1515, Fort Carson		CIV23-012	Main Post	BE I.A2	1/12/2023	
2023-079 RPR Medical Gas and Supplies Storage B6190		MED23-001	Main Post	BE I.A1 BE I.A2	1/24/2023	Proposed work includes: pouring concrete slab and sidewalk large enough to accommodate two tough sheds; reutilize one of the two sheds on site; disposing of remaining shed and replace with new shed; placing appropriate size container suitable for medical gas storage; removing, replacing, and installing existing plumbing
2023-080 RPR Water and Ice Runoff B1829, Fort Carson		MWR21-018	Main Post	BE I.A2	1/24/2023	
2023-081 RPR, Roof Bldg 1805, Fort Carson		DPW23-026	Main Post	BE I.A2	1/24/2023	Proposed work includes: removing existing Built-Up Roof; replacing steel decking as needed; installing new PVC roof system
2023-086 REN Interior Bldg 1129, Fort Carson		DPT18-012	Main Post	BE I.A2	1/25/2023	Proposed work includes: installing new fire riser and fire suppression system; upgrading fire alarm system; installing new partitions at the main entrance; demo-ing walk-in cooler; converting old kitchen rooms into meeting rooms; building a new platform for AV controls; replacing stage floor; reconfiguring some stage equipment; replacing wall finishes, flooring, wall base, and ceiling
2023-087 Install Safe, TDS Bldg 2355, Fort Carson		CIV23-013	Main Post	BE I.A2	1/25/2023	

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2023-088 CNS, Electronic Signs, Multiple Locations		DPW22-006	Main Post	BE I.A1 BE I.A3	1/25/2023	Proposed work includes: demo-ing existing abandoned electronic message signs at Gate 1, Specker and Prussman, Ellis and Chiles, and Harr and Titus by removing sign, foundation, and cutting/capping utilities; constructing one new electronic message sign at NW corner of Prussman and Specker
2023-089 Prescribed Burns FY2023 FC & PCMS		DPW23-046	Main Post Downrange Fort Carson PCMS Numbered TAS	BE I.B3 FC D2b PC B4b2	1/30/2023	Information provided to proponent for avoidance of protected cultural resources.
2023-091 Repair S&A Parking Bldgs 2157 and 2158		DPW19-110	Main Post	BE I.A2	1/27/2023	Proposed work includes: full depth repair of existing asphalt parking lot by replacing asphalt pavement with concrete, reconditioning base course, reconditioning sub-grade, deep strengthening per allowance, re-installing pavement markings, and repairing concrete sidewalk, ADA ramps, curb, and gutters as required
2023-092 Repair S&A Parking Bldgs 2077 and 2078		DPW19-109	Main Post	BE I.A2	1/27/2023	Proposed work includes: removing and replacing the existing degraded concrete cross pan, dumpster pads, and adjacent asphalt paving
2023-093 CNS Open Storage Bldg 1550, Fort Carson		DIR21-006	Main Post	BE I.A2	1/31/2023	Proposed work includes: installing doors and walls; removing a rollout door and seal up opening; installing film on the windows, LKM locks on two doors, LENEL reader on two doors, X-10 lock on main door, remote ICID keypad, BMS's on two doors with motion sensors; reinforcing one wall for mounting monitors; replacing old carpet with new carpet tile

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2023-094 CNS Walls, Doors, Carpet, Electrical and Data Circuits; Bldg 1550, Rm. 1040 (Old DPS Facility)		DIR21-007	Main Post	BE I.A2	2/23/2023	Proposed work includes: installing walls with electrical voice data connections; upgrading lights; replacing doors for two rooms; installing two doors in the main exterior walls with Lenel readers; and rework HVAC as needed
2023-095 Mold Abatement Bldg 1805, Fort Carson		DPW23-044	Main Post	BE I.C2	1/31/2023	
2023-109 RPR, Wilderness Road, Fort Carson		DPW23-001	Main Post	BE I.A2	3/2/2023	Proposed work includes: repairing asphalt pavement of Wilderness road; reconditioning and strengthening subgrade; improving pavement section for current traffic loads
2023-110 RPR, Intersection Improvements Prussman Blvd and Sheridan Ave		DPW19-106	Main Post	BE I.A1 BE I.A2	3/2/2023	Proposed work includes: constructing an additional lane on eastbound Prussman Blvd between Sheridan Ave and the northwest commissary parking lot entrance; upgrading/replacing traffic signal equipment; adding pedestrian crossing signals and push buttons to traffic signals
2023-111 RPR Damaged Roof, Bldg 2451, Fort Carson		DPW23-037	Main Post	BE I.A2	3/8/2023	Proposed work includes: replacing damaged roof trusses, Standing Seam Metal Roof, flashing, and gutters damaged by a wind storm; repairing other damaged components including vents, equipment, etc.
2023-112 Dig Permit for ECC & Arcadis at 4302 Incheon Circle		DPW23-051	Main Post	BE I.A2	3/8/2023	Dig permit to use hand augers in residential area as part of environmental contract
2023-113 RPR, Metal Roof, Bldg. 2634, Fort Carson		DPW19-072	Main Post	BE I.A2	3/8/2023	Proposed work includes: removing existing metal roofing, gutters, and downspouts; installing new metal roofing, gutters, downspouts, and flashings

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2023-114 Install Lenel Access Control System, Bldg 1219, Fort Carson		DPW23-049	Main Post	BE I.A2	3/9/2023	Proposed work includes: installing magnetic time-controlled locks on the main west entrance doors (2) and the center northeast door (1)
2023-115 RPR, Roof, Bldg 1805, Fort Carson		DPW23-026	Main Post	BE I.A2 BE I.C2	3/10/2023	Proposed work includes: removing 3,200 square feet of existing Built-Up roof; replacing steel decking as needed; installing new PVC roof system; assessing water-damaged/mold-contaminated area and inventorying mold-contaminated building materials and furnishings; abating 6,813 square feet of mold-contaminated dormitory area; cleaning, repairing, or replacing all damaged building materials as necessary
2023-116 RPR Awning, Cheyenne Mountain Shooting Complex Range 7, Fort Carson		MWR23-005	Main Post	BE I.A2	3/10/2023	Proposed work includes: removing damaged wood members as needed for repairs and reconstruction of Range 7 gazebo; furnishing and installing new Strongties and anchors to straighten existing damaged Range 7 gazebo; aligning and erecting structural members both existing and new to previous condition
2023-117 CNS New Abrams School		DPW22-036	Main Post	BE I.A1 BE I.B2	3/10/2023	Review of 75% design for the Abrams New school project (75%)
2023-118 Specker Ave and Pershing Field Improvements		DPW23-023	Main Post	BE I.B2 BE I.B3	3/10/2023	Proposed work includes: improving area drainage; increasing trail/path connectivity from Specker Ave to Pershing Field; creating a community area with landscaping, trees, and a gazebo/picnic shelters

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2023-119 RPR ASP Improvements, Multiple	CIV19-002	Main Post	BE I.A2	3/10/2023	Proposed work includes: installing Lighting Protection Systems, bonding jumpers on all earth-covered magazine doors, and surge protection on all incoming electrical and communication lines for multiple buildings at the Ammunition Supply Point (ASP) and Ammunition Holding Area (AHA); sandblasting and repainting magazine doors for buildings at the AHA; removing and replacing damaged earthen cover and installing erosion control between magazines at the ASP
2023-121 Arbor Day Tree Planting at PCMS & FC	DPW23-053	Main Post PCMS Cantonment	BE I.B3 PCMS A3b	3/10/2023	Proposed work includes: planting trees at Fort Carson and PCMS for separate Arbor Day Ceremonies
2023-122 RPR, Siding Panels, Bldg 2039	DPW18-137	Main Post	BE I.A2	3/13/2023	Proposed work includes: removing 9,000 square feet of existing damaged wall panels and replacing in-kind
2023-123 Color Guard Site COA-3	n/a	Main Post	BE I.A1	3/13/2023	Review proposed location for new Color Guard complex near Gate 19
2023-124 DLA Fire System Project - Buildings 320, 324, 324A, 340, 341, 342, 343, and 344	CIV23-015	Main Post	BE I.A1 BE I.A2	3/13/2023	Proposed work includes: reworking the entire Fire Systems to multiple buildings; modifying existing overhead fire sprinkler system and adding a row of in-rack sprinklers at the first rack level for Building 320; installing a new fire hydrant in Building 340 and 342 shared parking lot; demolishing the existing system and installing a new fire system for Building 324; providing heat detection systems throughout all areas for Building 324A; installing fire alarms in Buildings 340, 341, 342, and 343

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2023-126 Upgrade Wilderness Cell Tower Bldg 9536, Fort Carson	CIV23-016	Main Post	BE I.A2	3/16/2023	Proposed work includes: removing six existing antennas and replacing with six new antennas; removing two existing RRUs and replacing with two new RRUs; no changes to height tower or ground
2023-127 Dig Permit, Service Fire Hydrants Bldg 6200, PCMS	CIV23-017	Main Post	BE I.A2	3/16/2023	Proposed work includes: conducting regular maintenance and corrective measures on Building 6200 fire hydrants; digging in and around hydrants to clean weep holes

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2023-128 RPR Above Ground Storage Tanks (AST) Bldg 1860	DPW23-048	Main Post	BE I.A2	3/16/2023	Proposed work includes: mandatory repairs consisting of installing an adequately sized normal vent, providing means of level gauging, providing proper product markings and NFPA 704 labels, and providing leak detection for underground piping; non-mandatory repairs consisting of removing combustible materials from the tank containment, providing missing manway bolts, providing subdivisions for tanks sharing containments, providing a means to protected from falling at open grating locations on tank raised walkways, and providing asbestos-containing material labels; long term serviceability improvements consisting of providing a handle for each manway cover, providing level alarm system, repairing tank coating system, repair concrete spalling around tank saddles/pedestals, removing abandoned wiring/handwheels and piping for decommissioned fuel heating systems, installing new insulation or consider alternative means of winterization, and repairing corroded issue piping for all tanks via replacement
2023-130 Dig Permit, Fireworks Display, Iron Horse Park	MWR23-007	Main Post	BE I.A1 BE I.B1	3/20/2023	Proposed work includes: constructing an orange fence to block people from getting too close during the fireworks display; the fence will be removing following the fireworks display
2023-131 Construction of new Battery System, Fort Carson -- Includes 100% Design	DPW21-032	Main Post	BE I.A1 BE I.A2	3/20/2023	

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2023-132 Amphibian Acoustic Surveys on Fort Carson, Multiple	DPW23-058	Main Post Downrange Fort Carson	BE I.A1 BE I.A2 FC D1a FC D1b	3/23/2023	
2023-133 RPR, Convert Break Room Space to Office Space, Bldg 330	CIV23-007	Main Post	BE I.A2	3/20/2023	Proposed work includes: creating an office space from part of an unused breakroom by building a wall and adding a door lock to the existing door
2023-136 RPR Sidewalks Post-wide, Fort Carson	DPW23-003	Main Post	BE I.A1 BE I.B2 BE I.B3	3/22/2023	
2023-137 FY23 3rd Quarterly Advisory REC for Training on FC and PCMS	DPT23QTR3	Main Post Downrange Fort Carson PCMS Numbered TAs PCMS Lettered TAs PCMS Training Area A	BE I.C3 FC A FC B FC C PC B1 PC B1 PC B2 PC B3 PC C1 PC C2 PC D1 PC D2	3/22/2023	Per Fort Carson Regulation 200-1, each quarter the Record of Environmental Consideration (REC) for training will be updated. This quarterly training REC covers use of established ranges, drop zones, landing zones, and other training facilities; maneuver training (mounted, dismounted, and aerial); excavation training; etc. It does not cover brigade-sized training exercises, which are reviewed separately. In addition, excavation training is reviewed by the Cultural Resources Program on a case-by-case basis. Updated GIS layers of protected resources restrictions, as well as Standard Operating Procedures (SOPs) and cultural resources awareness training briefs for Fort Carson and PCMS are provided to DPTMS for planning purposes.
2023-138 Fiber Connection Upgrades, Multiple, Fort Carson	DIR22-003	Main Post	BE I.A1 BE I.A2	3/23/2023	
2023-139 Replace Bldg 1444 Wolf DFAC Chiller	DPW20-083	Main Post	BE I.A1 BE I.A2	3/22/2023	
2023-140 CNS, Electric Breaker, Line & Outlet, Bldg 1843	MED23-002	Main Post	BE I.A2	3/29/2022	

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2023-141 CNS, Closed Circuit TV Cameras in Barracks, Multiple		4ID23-008	Main Post	BE I.A2	3/29/2022	
2023-143 RPR Soldiers Memorial Chapel Bldg 1500		GAR22-010	Main Post	BE I.A2	4/3/2023	
2023-144 Carson Middle School Pond and Open Space		n/a	Main Post	BE I.A2 BE I.B1 BE I.B3	4/4/2023	
2023-145 CNS Conduit Repair		n/a	Main Post	BE I.A2	4/4/2023	
2023-147 Motorcycle Test Range Parking Lot Bldg 6237		DPW23-060	Main Post	BE I.A2	4/6/2023	
2023-152 CNS, Safe at Jimmy John's, Bldg 3600, Fort Carson		CIV23-019	Main Post	BE I.A2	4/12/2023	
2023-154 Dig Permit, Directional Bore Conduit From Manhole 311-Manhole 106		CIV23-020	Main Post	BE I.A1	4/17/2023	
2023-156 Dig Permit, Re-route Conduit Bldg 1510		CIV23-021	Main Post	BE I.A2	4/17/2023	
2023-161, Dig Permit for F.D. Trench Training		DIG23-002	Main Post	BE I.A1	4/20/2023	
2023-162, Dig Permit for Security Doors for Security w-Max-100A Bldg 2		SPC23-003	Main Post	BE I.A2	4/20/2023	
2023-163ft, TEN23-006 CNS, Badging Keypad B9091		TEN23-006	Main Post	BE I.A2	4/20/2023	
2023-167 CNS AV Conduit B2039		DPT23-005	Main Post	BE I.A2	4/24/2023	
2023-171 CNS Electrical Circuits and Panels B1550		DIR23-002	Main Post	BE I.A2	5/1/2023	
2023-172 RPR, Copper Cable B2757		DIR23-013	Main Post	BE I.A1 BE I.A2	5/2/2023	Proposed work includes: Installing a new 400-pair OSP copper cable through Maintenance Hole 0063 to Building 2757, using 2 new trench and bored 4" conduits
2023-173 CNS 230v Outlets B3669		DIR23-006	Main Post	BE I.A2	5/2/2023	Proposed work includes: Installing 230v plugs in multiple locations within the apparatus baysto allow for an Emergency Air Trailer to plug in
2023-175 EACH Helipad Site Proposal		n/a	Main Post	BE I.A1	5/3/2023	Proposed two locations for a helipad at Evans Army Community Hospital
2023-176 RPR, Wilderness Sediment Trackout		DPW23-064	Main Post	BE I.A1 BE I.A2	5/3/2023	Proposed work includes: the application of aggregate surface to prevent sediment trackout and the installation of vehicle deterrents around the project area

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2023-177 CNS, Shelving for Parachutes B7438		SFG23-005	Main Post	BE I.A2	5/4/2023	Proposed work includes: installing concrete anchors for storage shelves
2023-179 FPO Paint & Carpet B2355		CIV23-022	Main Post	BE I.A2	5/8/2023	Proposed work includes: installing new carpet and painting the walls and wall bases
2023-180 RPR Contaminated Insulations, Multiple		DPT22-018	Main Post Downrange Fort Carson	BE I.A2 FC D1a	5/8/2023	Proposed work includes: the removal and replacement of contaminated insulation and re-sealing of buildings
2023-174 RPR, Crack Seal Parking Lot Post Wide (FY23)		DPW23-002	Main Post	BE I.A2 BE I.D1a	5/9/2023	Proposed work includes: performing crack seal operations on various asphalt pavement throughout post
2023-183 Wilderness Rd Obstacle Course Construction		n/a	Main Post	BE I.A1	5/19/2023	Proposed work includes: the construction of a temporary obstacle course, including ditches, hedgehogs, container walls, and tanglefoot. The obstacles will be deconstructed after the event
2023-184 Temporary Cooling for Bldg 7400 SCIF Server Room		SFG23-007	Main Post	BE I.A2	5/19/2023	Proposed work includes: constructing a temporary cooling system for SCIF server room
2023-186 10th Annual Spartan Race, 10-11 Jun 2023		n/a	Main Post	BE I.A1 BE I.A3 BE I.B1	5/23/2023	Proposed work includes: the construction of a temporary obstacle course, including rope climbs, hurdle features, and water features. The obstacles will be deconstructed after the event
2023-189 RPR, for Bath & Body Works Bldg 6110		CIV23-023	Main Post	BE I.A2	5/30/2023	Proposed work includes: a newly constructed bulkhead and trenching the concrete floor for electrical outlets
2023-191 Remove/Demo Canopy at Bldg 2700, Fort Carson		DIR23-015	Main Post	BE I.A2	6/1/2023	Proposed work includes: the removal of an outdoor canopy
2023-192 Install Ice Maker, Bldg 2492, Fort Carson		4SB23-001	Main Post	BE I.A1 BE I.A2	6/7/2023	Proposed work includes: installing a free-standing Manitowoc ice maker
Preliminary Draft (PN102485) Review		PN102485	Main Post	BE I.A1 BE I.A2	6/12/2023	A review of the UAS Runway RA Preliminary Draft

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2023-194 RPR, McKibben Gym Bldg 1160	MWR20-025	Main Post	BE I.A2	6/13/2023	Proposed work includes: the removal of wood flooring and replacement with rubber mats. As well as the installation of a new HVAC system, fire suppression system, and fire mass notification system. The repair and replacement of lighting and new ceilings. Replace the existing wood and equipment in the sauna room. Paint walls throughout the building. Install new communications equipment throughout the building. Replace water bottle fillers. Upgrade Shower room with improved shower stalls and larger changing/locker areas. Replace 2nd floor exit door
2023-195 Dig Permit for Install CATV Cable, Bldg 1534	DIG23-005	Main Post	BE I.A2	6/13/2023	Proposed work includes: the installation of a new CATV and the construction of a new mainline and fiber for power
2023-196 RPR, CATV Cable B2050	DIG23-006	Main Post	BE I.A1 BE I.A2	6/16/2023	Proposed work includes: the installation of a new CATV and the construction of a new mainline and fiber for power
2023-198 RPR, Water Pipe in Roadway Near Bldg 9633	DIG23-003	Main Post	BE I.A2	6/21/2023	Proposed work includes: potholing on N & S shoulder of roadway, out of asphalt, to locate pipe and scope pipe segment beneath roadway to plan for future repair work
2023-201 Install Kiosks in Bldgs 1456 and 9439	4ID23-014	Main Post	BE I.A2	6/21/2023	Proposed work includes: the installation of kiosks in Buildings 9439 and 1456
2023-199 CNS, Critical Threat Advisory Company (CTAC) Storage	SFG23-008	Main Post	BE I.A1	6/22/2023	Proposed work includes: the construction of a maintenance and storage facility
2023-202 Relocate, Coax Line from Bldg 2451 to Bldg 2450	DIG23-007	Main Post	BE I.A1 BE I.A2	6/22/2023	Proposed work includes: the relocation of an underground coax line
2023-203 Relocate, Coax Line from Bldg 2050 to Bldg 2051	DIG23-008	Main Post	BE I.A1 BE I.A2	6/22/2023	Proposed work includes: the relocation of an underground coax line

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2023-204 CNS, TDS to AAFES Comm Room Bldg 1534		DIG23-009	Main Post	BE I.A1 BE I.A2	6/22/2023	Proposed work includes: the installation of a new buried coax in conduit via trench
2023-200 Dig Permit for Fire Pit		1BD23-003	Main Post	BE I.A1	6/23/2023	Proposed work includes: the construction of a brick-lined fire pit
2023-205 RPR, Motorpool Latrines, Bldgs 1392, 1692, and 8142		DPW22-008	Main Post	BE I.A2	6/28/2023	Proposed work includes: the removal and replacement of toilets, sinks, and fixtures
2023-207 RPR, Parking, Bldg 1444 Wolf DFAC		DPW24-005	Main Post	BE I.A2	6/28/2023	Proposed work includes: the repair of existing asphalt parking lot
2023-208 RPR, Hardstand Bldg 2082		DPW24-006	Main Post	BE I.A2	6/28/2023	Proposed work includes: replacing existing concrete motorpool hardstands
2023-209 RPR, Parking B756		DPW24-007	Main Post	BE I.A2	7/5/2023	Proposed work includes: the repair of existing asphalt parking lot, including replacing the sidewalk, curb, and gutter as needed
2023-210 CNS Warning Beacons Gate 6		DPW23-055	Main Post	BE I.A1	7/5/2023	Proposed work includes: installing 3 flashing warning signs
2023-214 RPR Trail and Pond behind Bldg 6200		DPW23-083	Main Post	BE I.A2	7/10/2023	Proposed work includes: the repair of the walking trail and refurbishing the pond in the area

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2023-211 FY23 4th Quarterly Advisory REC for Training on FC and PCMS	DPT23QTR4	Main Post Downrange Fort Carson PCMS Numbered TAs PCMS Lettered TAs PCMS Training Area A	BE I.C3 FC A FC B FC C PC B1 PC B1 PC B2 PC B3 PC C1 PC C2 PC D1 PC D2	7/11/2023	Per Fort Carson Regulation 200-1, each quarter the Record of Environmental Consideration (REC) for training will be updated. This quarterly training REC covers use of established ranges, drop zones, landing zones, and other training facilities; maneuver training (mounted, dismounted, and aerial); excavation training; etc. It does not cover brigade-sized training exercises, which are reviewed separately. In addition, excavation training is reviewed by the Cultural Resources Program on a case-by-case basis. Updated GIS layers of protected resources restrictions, as well as Standard Operating Procedures (SOPs) and cultural resources awareness training briefs for Fort Carson and PCMS are provided to DPTMS for planning purposes.
2023-215 RPR Monitoring Well Bldg 3600	CIV23-014	Main Post	BE I.A2	7/14/2023	Proposed work includes: replacing a OPW 18" monitoring well and securing the new well with pea gravel and new concrete

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2023-216 35% Design Review Panda Express B6110	CIV23-027	Main Post	BE I.A2	7/14/2023	Proposed work includes: converting a Boston Market to a Panda Express. This entails demolishing the existing soda station, ceiling, lighting fixtures, interior non-bearing wall, and floor finishes. Modify the location of the existing fire sprinkler. As well as, installing new kitchen equipment, millwork, wall and floor finishes, ceiling and lighting, signage, exhaust hood and fans, and cooling system. Lastly, connecting the space to the existing waste and grease lines, water line, gas line, fire alarm control panel, electrical sub-panel, and HVAC duct.
2023-217 FPO DIG PERMIT for Outdoor Beautification B7495					
2023-221 RPR, B1664 parking lot					
2023-222 RPR, CANOPY B2700					
2023-223 CIV23-028 RPR Water Intrusion in Secondary Containment B9478					
2023-224 Prairie Dog Control and Treatment REC for FY23 Additional Sites	DPW23-085	Downrange Fort Carson PCMS Numbered TAS	BE I.B3 BE I.C2 FC D2b PCMS B4b2	7/27/2023	Proposed work includes: additional sites for prairie dog control
2023-227, RPR, Bldg 1364 Parking					
2023-229, Install AC in VSS RM 1488 and Lobby, BLDG 5939	DPW24-015	Main Post	BE I.A1 BE I.A2	8/3/2023	Proposed work includes: the repair of existing asphalt parking lot and correct drainage
	MWR23-018	Main Post	BE I.A2	8/8/2023	Proposed work includes: installing an air conditioning unit or repairing the existing unit

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2023-230, FPO Construct Fire Pit 6'x6' BLDG 7806 (Golf Course)		MWR23-020	Main Post	BE I.A1	8/8/2023	Proposed work includes: installing a natural gas line and electric outlet for a gas fire pit
2023-231, DLA Paving, Bldg 326		DLA	Main Post	BE I.A2	8/9/2023	Proposed work includes: paving an existing parking area
2023-232, FPO Install Interior Door B7800		MWR23-019	Main Post	BE I.A2	8/10/2023	Proposed work includes: installing an interior door
2023-233, FPO Water Bottle Refilling Station Bldg 3292		TEN24-001	Main Post	BE I.A2	8/10/2023	Proposed work includes: purchasing and installing a bottle filling machine
2023-236, CNS, LENEL Badge-Key System, Bldg 9092		TEN23-012	Main Post	BE I.A2	8/16/2023	Proposed work includes: installing a LENEL badge/key system
2023-238 RPL Outdoor Pool Deck, Bldg 1231		MWR23-017	Main Post	BE I.A1 BE I.A2	8/17/2023	Proposed work includes: the remodel of on outdoor pool deck area
2023-240 RPR HVAC System Bldg 9550		DPT22-015	Main Post	BE I.A2	8/18/2023	Proposed work includes: replacing the current ventilation system
2023-241 RPR Entrance to storage yard behind B8030		CIV23-029	Main Post	BE I.A1 BE I.A2	8/21/2023	Proposed work includes: the repair of the entrance of a storage yard by repaving, extending, and updating to concrete
2023-242 Convert BK Drive-Thru from 1 lane to 2 lanes		CIV23-030	Main Post	BE I.A1 BE I.A2	8/21/2023	Proposed work includes: widening the drive through lane by demolishing the existing curb
2023-244 Repair/Replace of Rotted Window Frames Around the Entire Facility, Bldg 6203		MWR23-022	Main Post	BE I.A2	8/21/2023	Proposed work includes: the repair of 20 window frames on building 6203
2023-245 Repair Bldg 1351		ART23-005	Main Post	BE I.A2	8/22/2023	Proposed work includes: installing new flooring, wall base, ceiling tiles, diffusers/grills, lighting, receptacles, repairing or cleaning the restrooms, and painting throughout building 1351
2023-246 CNS, Install 12 strand fiber from room 141 to room 752		BAA22-001	Main Post	BE I.A2	8/22/2023	Proposed work includes: the installation of a 12 strand fiber
2023-247 Vietnam Veterans' War Memorial		DPW24-022	Main Post	BE I.A1	8/23/2023	Proposed work includes: the construction of a vietnam War Memorial
2023-243 RPR Renovation of RV Storage Lot Near Bldg 2429		MWR23-021	Main Post	BE I.A2	8/23/2023	Proposed work includes: the renovation of a RV storage lot
2023-248 COARNG Bldg 1982 Termination License		n/a	Main Post	BE I.A1	8/23/2023	

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2023-249	COARNG Bldg 1392 Move-In License	n/a	Main Post	BE I.A1	8/23/2023	
2023-250	Repair Iron Horse Park (IHP) Basketball Courts	DPW24-034	Main Post	BE I.A2	8/28/2023	Proposed work includes: the resurfacing of the basketball court and the removal and repair of the fence
2023-251	Demo, Ad Hoc RV Lot	DPW 24-019	Main Post	BE I.A3	8/28/2023	Proposed work includes: the removal of degraded asphalt and replacement with native grass, and the installation of standard post and doel fencing.
2023-252	RPR, Storm Channel, Butts Road	DPW23-078	Main Post	BE I.A2	8/29/2023	Proposed work includes: repairing erosion to the roadside embankment by replacing the plastic stormwater conveyance channel with a more durable material
2023-253	DIR23-014 RPL, Video Surveillance Equip B2700	DIR23-014	Main Post	BE I.A2	8/29/2023	Proposed work includes: the replacement of all surveillance equipment in building 2700
2023-254	RPR, Erosion Tank Trail B	DPW23-066	Main Post	BE I.A2	8/29/2023	Proposed work includes: the repair of the drainage channel of Tank Trial B due to erosion
2023-255	CNS, EV Charging Stations on Fort Carson	DPW24-001	Main Post	BE I.A1	8/30/2023	Proposed work includes: EV Stations to be distributed across the base
2023-256	CNS, Door & Window Bldg 1200	TEN23-014	Main Post	BE I.A2	8/30/2023	Proposed work includes: the installation of a sliding window, sectioning off the Command suite's storage closet, and te installation of an interior doorway
2023-257	Demo False Wall & Paint Interiors Bldg 1200 – Staff Duty Room	TEN23-015	Main Post	BE I.A2	8/30/2023	Proposed work includes: the removal of the existing false wall, repainting the interior walls, and the replacement of damaged ceiling tiles
2023-258	PN103046/BAR20-009 (Repair Bldg 1043 Barracks) 35% Design Review	PN103046/ BAR20-009	Main Post	BE I.A2	9/1/2023	Proposed work includes: the repair of failed & failing architectural, mechanical, electrical, fire protection & plumbing systems by replacement & reconfigure interior to meet FY24 barracks standards

USAG Fort Carson NEPA Project Number(s) & Project Title		USAG Fort Carson Project Number(s)	Location (APE)	Exemption(s) Used	Date(s) Reviewed	Remarks
2023-259	Replace Incandescent Heliport Lighting with LED Lighting	BAA24-001	Main Post	BE I.A2	9/6/2023	Proposed work includes: The replacement of incandescent Heliport lighting with LED lighting
2023-261	RPR, HVAC Systems B7475	DIR23-007	Main Post	BE I.A2	9/8/2023	Proposed work includes: the installation of two new HVAC Systems CRAC units in Building 7475
2023-262	RPR, HVAC Systems B8008	DIR23-008	Main Post	BE I.A2	9/8/2023	Proposed work includes: the installation of two new HVAC Systems CRAC units in Building 8008
2023-263	RPR, HVAC Systems B9535	DIR23-009	Main Post	BE I.A2	9/8/2023	Proposed work includes: the installation of two new HVAC Systems CRAC units in Building 9535
2023-264	RPR HVAC System B9545	DIR24-002	Main Post	BE I.A2	9/8/2023	Proposed work includes: the installation of two new HVAC Systems CRAC units in Building 9545
2023-265	RPR, HVAC Systems B2435	DIR24-003	Main Post	BE I.A2	9/8/2023	Proposed work includes: the replacement of two CRAC and Condenser units and the installation of two new HVAC Systems CRAC units in Building 2435
2023-266	RPR, HVAC System B1014	DIR24-005	Main Post	BE I.A2	9/8/2023	Proposed work includes: the replacement of two CRAC and Condenser units and the installation of two new HVAC Systems CRAC units in Building 2435
2023-267	RPR, HVAC Units Bldg 2358	DIR24-004	Main Post	BE I.A2	9/11/2023	Proposed work includes: the installation of two new HVAC Systems CRAC units in Building 2358

USAG Fort Carson NEPA Project Number(s) & Project Title	USAG Fort Carson Project Number(s)	Location (APE)	Exemption(s) Used	Date(s) Reviewed	Remarks
2023-269 Evans Army Community (EACH) Landing Pad	MED24-001	Main Post	BE I.A1	9/1/2023	Proposed work includes: the construction of a 2,500 sq ft concrete landing pad. To include the subsurface preparation, emplace fill/material, reinforced concrete installation, mooring points, windsock, tie-in to existing sidewalk, signage, electronic nav aids (if applicable), painting (if not contracted)
2023-268 RPR Fire Suppression System and Hood in Strike Zone Snack Bar/Bowling Alley Bldg 1511	MWR24-001	Main Post	BE I.A2	9/12/2023	Proposed work includes: upgrading the current electrical system in the Strike Zone snack bar, located in the Bowling Alley
2023-270 RPR_Replace Main Gate Motor B7472 (Working Dog Kennel)	SFG24-001	Main Post	BE I.A2	9/12/2023	Proposed work includes: the installation of two new Liftmaster Drive Motors, with two new Photoeyes with Hoods, and two new reflectors with covers
2023-273 (FPO) Replace Existing Drinking Water Fountain Bldg 8000	CIV24-001	Main Post	BE I.A2	9/13/2023	Proposed work includes: replacing the existing drinking water fountain
2023-274 RPR or Replace Roof B330	CIV24-004	Main Post	BE I.A2	9/13/2023	Proposed work includes: replacing or repairing the roof of building 330
2023-275 Repair/Renovate/Modernize Bldg 9416	CIV24-002	Main Post	BE I.A2	9/13/2023	Proposed work includes: 1. Remove old water pump system. 2. Bring potable water to building. 3. Install septic. 4. Add a restroom (No restroom in building). 5. Create separation between storage and break-room. 6. Upgrade HVAC system to electric mini split system. 7. Remove propane tank. 8. Bring fiber optic to building. 9. Add telecom data drops. 10. Remove one over-head door and fill opening. 11. Increase size of other over-head doors. 12. Repair exterior siding.

USAG Fort Carson NEPA Project Number(s) & Project Title		USAG Fort Carson Project Number(s)	Location (APE)	Exemption(s) Used	Date(s) Reviewed	Remarks
2023-276 RPR, Paint and Seal concrete floors Bldg 2705		CIV24-003	Main Post	BE I.A2	9/14/2023	Proposed work includes: resurfacing, repainting, and sealing the concrete floor of building 2705
2023-277 Replace Bridge 85139 with Culverts		DPW24-041	Main Post	BE I.A1 BE I.A3	9/14/2023	Proposed work includes: the removal of the existing bridge 85139 and the construction of the replacement culverts, as well as the placement of a aggregate or milling road
2023-278 RPR, Specker and Pershing Field Improvements		DPW23-023	Main Post	BE I.B2 BE I.B3	9/14/2023	Proposed work includes: the improvement of the area drainage, increasing the trail/path connectivity from Specker Ave to Pershing Field, and the creation of a community area with landscaping and trees
2023-279 CNS Generator Power to RTO Room Bldg 9550		DPT22-025	Main Post	BE I.A2	9/15/2023	Proposed work includes: the connection of all power outlets in RTO office RM 108 to the generator
2023-280 Paint Fire Lane Curbs Multiple Locations		DIR23-003	Main Post	BE I.A2	9/19/2023	Proposed work includes: the repainting of the curb fire lines at various facilities on post.
2023-281 "FPO" Site Preparation for Museum Vehicles--B2427 move to B3605 and B8000 to B2640		3BD24-001	Main Post	BE I.A1 BE I.A2	9/21/2023	Proposed work includes: the survey and preparation of the land to prepare for the transfer of 3 heavy museum vehicles. This will include installing gravel and wood beams to protect the vehicles.
2023-284 Dig Permit - For Geotech Survey For Proposed Landing Pad - B7500 (Evan Hospital)		MED24-002	Main Post	BE I.A1	9/25/2023	Proposed work includes: the geotech survey for the proposed landing pad
2023-285 RPR Mesa Child Development Center Bldg 4790, Pour and Play on Playground Area		MWR24-003	Main Post	BE I.A2	9/26/2023	
2023-286 CNS, Additional Power Inside Cardio Room & Break RM B2357 - Waller Gym		MWR24-004	Main Post	BE I.A2	9/26/2023	
2023-287 CNS, Flashing warning Signs on Specker - B2650 Parking		DPW24-042	Main Post	BE I.A1	9/27/2023	
2023-288 CNS, Flashing warning Signs on Specker for Cobra Lane Intersection		DPW24-043	Main Post	BE I.A1	9/27/2023	
2023-290 CNS & Complete Sidewalk, Bldg 1525		CIV24-005	Main Post	BE I.A1	9/27/2023	

USAG Fort Carson NEPA Project Number(s) & Project Title		USAG Fort Carson Project Number(s)	Location (APE)	Exemption(s) Used	Date(s) Reviewed	Remarks
2023-203 FPN 102403 - Fort Carson UAS Runway Prefinal Document Review		N/A	Main Post	BE I.A1 BE I.A2	9/27/2023	
2023-287 FY24 1st Quarterly Advisory REC for Training on FC and PCMS		DPT24QTR1	Main Post	BE I.C3 FC A FC B FC C	9/27/2023	
			Downrange Fort Carson	PC B1		
			PCMS Numbered TAs	PC B2 PC B3		
			PCMS Lettered TAs	PC C1 PC C2		
			PCMS Training Area A	PC D1 PC D2		
2023-291 *FPO* Fort Carson Firebreak Thinning		DPW24-069	Main Post	FC D2b BE I.B3	9/27/2023	
2023-292 FPO, OPORD 23-118 Pep Rally Dirt Pad, Bldg 1532		MWR24-002	Downrange Fort Carson	BE I.A2	9/27/2023	
2023-295 *FPO* Relocate Trailer & Elec. to B9272		TEN23-013	Main Post	BE I.A1	9/28/2023	
2023-296 CNS, Extend Accessible Route and Sidewalk Bldg 1218		GAR24-001	Main Post	BE I.A1 BE I.A2	9/29/2023	

Table 2: Non-Exempted Undertakings Requiring Section 106 Consultation

USAG Fort Carson NEPA Project Number(s) & Project	USAG Fort Carson Project	Location (APE)	Date(s) Reviewed	SHPO Number &	Remarks
2023-044 FY23 Prairie Dog Control and Treatment	DPW23-034	Main Post	3/21/2023	HC #82584 2/16/2023	Proposed work includes: the elimination of prairie dog colonies with rodenticides and flea control with insecticides. Treatments will take place at: Butts Army Airfield; the Ammunition Supply Point; Olympic shooting center; Patriot School Age Center and adjacent; Ranges 104, 105, 109, 11, 111, 115A, 115B, 117, 119, 121C, 127, 127A, 139, 143 Helipad, 151, 153, 155, 24, 29, 45, 49, 51, 55, 57, and 65; TA 51 forward arming and refueling point; Turkey Creek Ranch; Wilderness Road Complex; and PCMS airfield.
		Turkey Creek Complex			
		Bird Farm			Section 106 consultation was completed in July 2019 for the Turkey Creek Complex as part of NEPA Project No. 2019-168.
		Downrange Fort Carson			Section 106 consultation was completed in March 2023 for the Olympic shooting center at Bird Farm as part of NEPA No. 2023-044.
		PCMS Cantonment			No adverse effect to historic properties.
2023-062 Move ICIDS from Room 111 to Room 106 in Bldg 20000	SPC23-002	Colorado Springs Airport Business Park	3/6/2023	HC #82516 1/31/2023	Responses were also received from Northern Cheyenne Tribe of the Northern Cheyenne Indian Reservation, Comanche Nation of Oklahoma, and Pawnee Nation of Oklahoma; all parties agreed with the finding of effect.
2023-169 GAR22-014 DEMO Pavilions B10025 and B10026 [CF2023-009]	GAR22-014	Turkey Creek Complex	4/14/2023	HC #82772 4/13/2023	No adverse effect to historic properties. Section 106 consultation was completed September 2022 for the demolition for two pavilions, Buildings 10025 and 10026, SHPO concurred with the finding of "no adverse effect" in correspondence dated October 10, 2022 (HC #82029).

USAG Fort Carson NEPA Project Number(s) & Project	USAG Fort Carson Project	Location (APE)	Date(s) Reviewed	SHPO Number &	Remarks
2023-142 Invasive Weed Treatment, Turkey Creek Ranch Area	DPW23-061	Turkey Creek Complex	6/8/2023	HC #82876 4/28/2023	No adverse effect to historic properties. Section 106 consultation was completed April 2023 for the treatment of invasive weeds in the Turkey Creek Ranch Area. SHPO concurred with the finding of "no adverse effect" in correspondence dated April 28, 2023 (HC #82876).
2023-178 Install staff gages and Type G Benchmarks at Townsend and Haymes Reservoirs	DPW23-025	Bird Farm	6/26/2023	HC #82991 6/26/2023	No adverse effect to historic properties. Section 106 consultation was completed June 2023 for the treatment of invasive weeds in the Turkey Creek Ranch Area. SHPO concurred with the finding of "no adverse effect" in correspondence dated June 26, 2023 (HC #82991).
2021-282 Dig Permit for T-posts to Hold Receptacles, Haynes Reservoir, Northside Reservoir, Townsend Reservoir	DPW21-059	Bird Farm	7/11/2023	HC #83085 6/9/2023	No adverse effect to historic properties. Section 106 consultation was completed July 2023 for the treatment of invasive weeds in the Turkey Creek Ranch Area. SHPO concurred with the finding of "no adverse effect" in correspondence dated July 10, 2023 (HC #83085).
2023-226 Bullfrog Control Northside & Cottonwood Springs	DPW23-084	Bird Farm	9/15/2023	HC #83409 8/24/2023	No adverse effect to historic properties. Section 106 consultation (REC2023-226) was completed in September 2023 and SHPO concurred with the finding of "no adverse effect" in the correspondence dated August 24, 2023 (HC #83409).

Table 3: Other Non-Exempted Undertakings

USAG Fort Carson NEPA Project Number(s) & Project Title	USAG Fort Carson Project Number(s)	Location (APE)	Date(s) Reviewed	Remarks
2023-082 Programmatic EA for Long-Range Hypersonic Weapons System - Mid-Range Capabilities Fielding and Stationing at Multiple Installations	n/a	Main Post	1/23/2023	
2023-083 Programmatic EA for Mobile Protected Firepower Fielding, Stationing, Operations, and Maintenance	n/a	Main Post	1/23/2023	
2023-084 Programmatic EA for Indirect Fire Protection Capability at Multiple Locations	n/a	Main Post	1/23/2023	
2023-097 Equipment Cleaning in Preparation for Deployment, Fort Carson	n/a	Main Post	2/8/2023	
2023-103 Renewal of Easement DACA45-2-98-6010 for the El Paso County Board of Commissioners	n/a		2/23/2023	
2023-104 Renewal of Easement DACA45-2-73-6112 for the Colorado Springs Utilities	n/a		2/23/2023	
2023-105 Renewal of Easement DACA45-2-73-6104 for the Mountain States Telephone and Telegraph Company	n/a		2/23/2023	
2023-106 Renewal of Permit DACA45-4-12-6038 for the Headquarters Defense Logistics Agency Disposition Services	n/a		2/23/2023	
2023-107 Watermain break near Bldg. 10012 in Turkey Creek, Fort Carson, Colorado	n/a	Turkey Creek Complex	2/27/2023	Emergency repair to broken waterline. Repaired by excavating a small area to a depth of approximately 4 feet. Location of the line/excavation site is in the roadway. The line was reburied following repairs. Building 10012 is a non-contributing structure in the Turkey Creek Ranch Historic District.

USAG Fort Carson NEPA Project Number(s) & Project Title	USAG Fort Carson Project Number(s)	Location (APE)	Date(s) Reviewed	Remarks
2023-153 Space Force Host Tenant Agreement (HTA) for Use of Space in Buildings 20000 and 20001	n/a	Building 20000 Complex	4/17/2023	Fort Carson will enter into a Host Tenant Agreement (HTA) for use of office space in Buildings 20000 and 20001. As this is an administrative action, no cultural review was required.
2023-158 Stationing action for the 59th POL Support Company, 4th Infantry Division Sustainment Brigade, and the 4th Augmentation Division	FY24-03	Main Post	4/24/2023	Stationing action FY24-03 realigns the 59th POL Support Company, the 4th Infantry Division Sustainment Brigade, and the 4th Augmentation Division. The units identified in this stationing package are not associated with Base Realignment and Closure (BRAC) 2005 directed actions.
2023-159 Lease Renewal DACA45-1-98-6040 to Water Wells, LLC (Mountain Post Car Wash Bldg 1070) on Fort Carson	n/a	Main Post	4/19/2023	
2023-165 Stationing action for introduction of a new unit for employment of the AN/TST-5 capability	n/a	Main Post	4/24/2023	The requirement was DoD Senior Leader directed via JRCOM 20-009 assigning the mission to the Army. The Army has no structure suitable for employment of the AN/TST-5 capability. This unit provides an organization specifically tailored to provide the proper mix of grades and skill sets to employ, command, and operate the AN/TST-5. Augmentation of the MDS through the capabilities of the AN/TST-5 provides enhancement of missile defense capabilities across the missile defense architecture. This capability is employed by the material developer/program manager and operated by Army personnel codified in a new missile defense battery design identified as MDSB, SRC 40807K000.

Enclosure 2

ENCLOSURE 2:
Fort Carson Built Environment PA TASK TRACKER
(CURRENT AS OF SEPTEMBER 30, 2023)

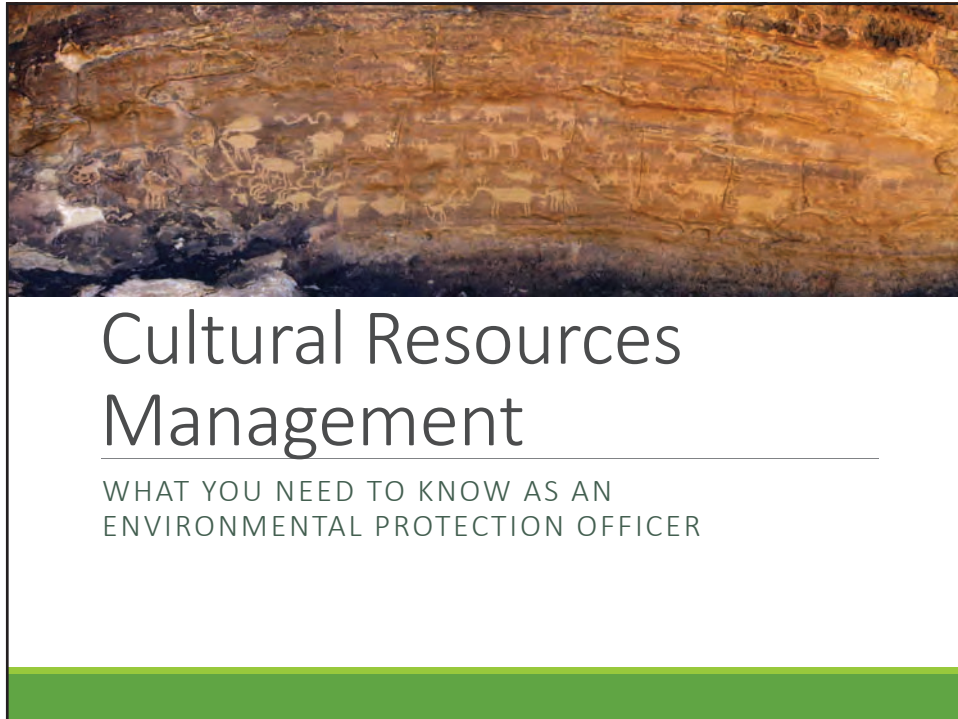
Stipulation	Action	Duration	Date Required	Remarks
I.A.1	GIS shapefiles and master site index provided to SHPO	90 days after signing	7/22/2014	Completed; provide updates as necessary
I.A.2	Cultural resources documentation submitted to SHPO	180 days after signing	10/20/2014	Completed; provide updates as necessary
I.A.3	SHPO notifies USAG that information baseline has been created and request any missing information	1 year after completion of I.A.2	4/02/2015	Completed
I.A.4	USAG and SHPO consult to address any data discrepancies	180 days after completion of I.A.3	7/05/2016	Completed (HC #63877); consult as needed on any data discrepancies that may arise.
I.A.4	Implement agreeable terms to reconcile discrepancies	3 years after completion of I.A.4 task above	7/05/2016	Completed (HC #63877).

Stipulation	Action	Duration	Date Required	Remarks
I.B	Complete documentation on needs data sites or implement a protection measure	3 years after signing	04/22/2017	Completed FY19: Contract awarded in September 2018 to develop research designs for 71 sites. Research designs for 32 sites are being reviewed by the CRM. Research designs for 39 sites were submitted for SHPO review. Comments are being addressed. Project is ongoing. FY20: Contract awarded in September 2019 to evaluate 58 isolated finds. Fieldwork has been completed. Technical report and site documentation were submitted to SHPO 20 March, 2023. Project is complete. FY20: Contract awarded in September 2019 to conduct a traditional use study of the Hogback. Site visits are complete and the report is forthcoming. Project is ongoing. 567 resources have been determined “needs data,” with which SHPO concurs. Research designs are being drafted for 71 of these sites located within the primary maneuver areas and along canyon rims. Documentation and evaluation to modern-day standards of an additional 58 of these resources (categorized as isolated finds) is complete. SHPO (82705) concurred that 57 of the 58 resources were Officially Not Eligible, and 5LA2424 is still a Needs Data site. Protection strategies have been implemented at the “Needs Data Sites.”
I.B.1	SHPO concurrence with NRHP eligibility determinations from re-evaluations	60 days after submission	TBD	

Stipulation	Action	Duration	Date Required	Remarks
I.D	Continue consultation with Tribes concerning site protection, monitoring frequencies, and TCPs and sacred sites identification	Ongoing action	n/a	Consultation meeting was held in person April 5, 2023 through April 7, 2023. In attendance were representatives from the Cheyenne and Arapaho Tribes of Oklahoma, Cheyenne River Sioux, Comanche Nation of Oklahoma, Jicarilla Apache Nation, Pawnee Nation of Oklahoma, Rosebud Sioux Tribe, and Standing Rock Sioux.
III.A	Implement site protection measures		04/22/2017	415 of 1,200 protected sites have a protection fence, Seibert markers, boulders, or combination; 191 have corner markers only; 126 are terrain protected (i.e. no vehicle access); all others are administratively protected.
III.B	Propose amended site protection measures and monitoring frequencies	As needed	n/a	No proposed changes during reporting period
III.D	Provide training vehicles/aircraft with means of knowing site locations	1 year after signing	04/22/2015	Completed; update as necessary
IV.A	Monitor protected cultural properties	Ongoing action	n/a	Working with Fort Carson Conservation Law Enforcement Officers to conduct routine inspections.
V.A	Implement cultural awareness training of all personnel involved in the execution of undertakings	Annually	n/a	Cultural resources awareness training is part of the annual mandatory training for Soldiers, Civilians, and contractors.
VI.C	Annual meeting with consulting parties	Annually	NLT Feb. 15 th	Consultation meeting was held virtually on January 11, 2023. In attendance were representatives from the Colorado SHPO, Colorado Preservation, Inc., Jicarilla Apache Nation, Las Animas County Commissioners, Northern Arapaho Tribe, Otero County Commissioners, Pawnee Nation of Oklahoma, Southern Ute Indian Tribe, and Standing Rock Sioux.

Stipulation	Action	Duration	Date Required	Remarks
VII.AG	Implement terms through policies and ICRMP	Ongoing action	n/a	ICRMP signed by Garrison Commander on 05/01/2017. The ICRMP renewed for FY23 with no changes. Additional updates will be completed as the CRM moves through the Army Alternate Procedures.

Enclosure 3:
Examples of Cultural Resources Awareness Training Materials



Course Objectives

You will learn:

1. What are cultural resources?
2. Why is it important to protect cultural resources?
3. What are the legal requirements?
4. What are your responsibilities?
5. Where can you learn more?



Fort Carson Cultural Resources Management Program

Mission:

"To support military training requirements, achieve regulatory compliance, and ensure stewardship responsibilities are met."



Goals:

1. Support sustainable training
2. Reduce/eliminate access restrictions due to resource protection
3. Protect significant cultural resources from adverse effects
4. Conserve cultural resources and their information for future generations
5. Increase cultural resource appreciation
6. Contribute to our understanding of culture, history, and archaeology at the local, regional, and national levels

8/23/2017

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Fort Carson Cultural Resources Management Program

Objectives:

- Provide accurate data regarding access restrictions
- Monitor cultural resources for impacts
- Implement protective measures
- Implement conservation measures
- Integrate cultural resources management with Installation operations
- Consult with external stakeholders
- Sustain public outreach



Tribal representatives discuss the importance of a rock art panel.

8/23/2017

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4

What are Cultural Resources?

Definition:

Non-renewable remnants of past human activities that have cultural or historical value and meaning to a group of people or a society

Or simply:

The stuff we leave behind



Cultural resources can be thousands of years old, hundreds of years old, or from the more recent past.

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Cultural Resources Examples:



- Rock art, i.e. petroglyphs (carvings) and pictographs (paintings)
- Archaeological sites
- Historical buildings, structures, and objects
- Historical roads and trails
- Sacred sites and traditional cultural properties
- Human burials
- Artifacts
- Ruins



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Fort Carson's Cultural Resources

Fort Carson (as of August 2017):

- 2,385 Cultural Resources
- 1 Listed National Register District
- 133 Eligible
- 68 Needs Data
- 2,165 Not Eligible
- 18 No Official Determination



PCMS (as of August 2017):

- 6,248 Cultural Resources
- 573 Eligible
- 660 Needs Data
- 4,999 Not Eligible
- 16 No Official Determination



Complex and Simple Habitation Sites
 Temporary Field Camps
 Stone Artifact Scatters/Quarry Locations
 Food Procurement/Processing Sites
 Rock Art Panels (Prehistoric & Historic)
 Historic Ranches/Farmsteads
 Military Construction (1942-Present)
 Stage Station/Mail Route Remnants
 Small Mining Operations

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Why is it Important to Protect Cultural Resources?

- They provide information regarding **our** heritage, **our** practices, and **our** beliefs.
 - Contributes to **our** sense of place and identity
- These areas may have profound religious and spiritual significance to Native American tribes and other ethnic groups.
- Sacred Native American sites are rooted in the history of their people and maintain the continuity of traditional beliefs and practices.
- By preserving, protecting, and respecting cultural resources, you ensure these resources are available for future generations
 - Non-renewable resource – **once destroyed, can never be restored**
- It is **our** duty, as the land manager to be good stewards, ensuring compliance with all environmental and cultural laws and regulations.

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8

Another Reason for Protecting Cultural Resources...

BECAUSE IT'S THE LAW!

National Historic Preservation Act (NHPA)

Archaeological Resources Protection Act (ARPA)

Native American Graves Protection and Repatriation Act (NAGPRA)

American Antiquities Act of 1906

American Indian Religious Freedom Act

Army Regulation 200-1

And more...

And some of these laws, such as the Archaeological Resources Protection Act, carry criminal and civil penalties.

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9

Section 106 of the National Historic Preservation Act (NHPA)

- Section 106 of the NHPA requires us to consider the effects of our actions on historic properties.
 - Historic properties are any cultural resource that is listed in or is eligible for inclusion in the National Register of Historic Places (NRHP)
 - NRHP – list of cultural resources determined to be significant to the national, state, regional, or local history
- How **You** Can Comply with Section 106:
- Follow the Standard Operating Procedures (SOPs) in the Integrated Cultural Resources Management Plan (ICRMP)
 - SOP No. 1: Section 106 Compliance for Project Proponents
 - SOP No. 2: Mission Training of Military and Tenant Personnel
 - SOP No. 3: Emergency Operations

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What Happens When We Do Not Comply with NHPA Section 106?

- Colorado State Historic Preservation Officer contacts the Advisory Council on Historic Preservation (ACHP)
- ACHP contacts the Secretary of the Army
- Garrison Commander must answer to the Secretary of the Army on why we foreclosed on the consultation process
- Then, it falls to **YOU** to answer why
- Lawsuits can be filed by Tribes, other interested parties, and the public
 - Comanche Nation v. United States
 - Pueblo of Sandia v. United States
 - National Trust for Historic Preservation v. Department of State
 - City of Grapevine v. Department of Transportation
 - Paulina Lake Historic Cabin Owners Association v. U.S. Forest Service

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Scenario 1: Comanche Nation vs. United States

- Fort Sill proposed to constructed a 43,000 sq ft Training Support Center (TSC) warehouse (\$7.3 million) 1,662 ft southwest of the southern boundary of the Medicine Bluffs National Historic Feature
- Medicine Bluffs is a sacred site/TCP that is listed in the NRHP
- Fort Sill sent the draft final Environmental Assessment in Sep 2006
- Section 106 consultation letters mailed in Aug 2007
 - Comanche Nation requested more information and voiced concerns in correspondence dated Aug 2007, Oct 2007, Feb 2008, May 2008, & July 2008
- Construction of TSC began Aug 2008
- Comanche Nation filed a lawsuit in 15 Aug 2008
- Construction of TSC at new location in Oct 2009

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Scenario 1: Comanche Nation vs. United States

Comanche Nation asserted Fort Sill:

- Violated the Religious Freedom Restoration Act – building the TSC warehouse at the proposed location would interfere with the exercise of the Tribe’s religious beliefs
- Violated the NHPA – Fort Sill failed to make a “reasonable and good faith effort” to consult to identify and resolve adverse effects

Outcome

- Project stopped and moved to another location
- \$650,000 lost on project costs and unknown \$\$\$ spent on legal costs
- Case is a precedent

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Archaeological Resources Protection Act

- Knowingly damaging an archaeological resource is a violation of the Archaeological Resources Protection Act (ARPA)
 - Includes looting, digging within a site, graffiti or other defacement, removing cultural features, etc.
- ARPA carries up to **\$100,000 fine** and **1 year in jail** for 1st offense



8/23/2017

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Scenario 2: Graffiti

- Sep 2013 – archaeologists observed graffiti at a sacred site/TCP at the PCMS
- Led to an Article 15-6 investigation
- Now used as an example of what not to do
- **Graffiti is not tolerated anywhere, any time**
- Defacing federal property is against the law
 - Destruction of Government Property (18 U.S.C §§ 1361-1363) – up to \$250,000 fine, 10 years imprisonment, or both
 - ARPA
- Anyone caught defacing government property (buildings, rock faces, etc) will be prosecuted



8/23/2017

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5

How Can You Help Protect and Preserve Cultural Resources?

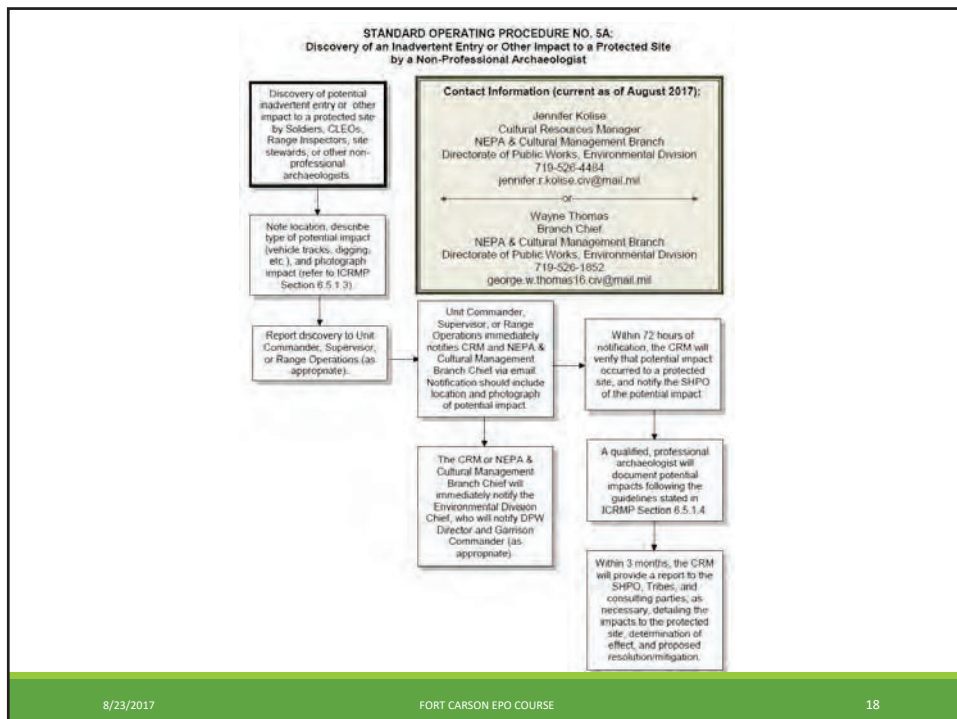
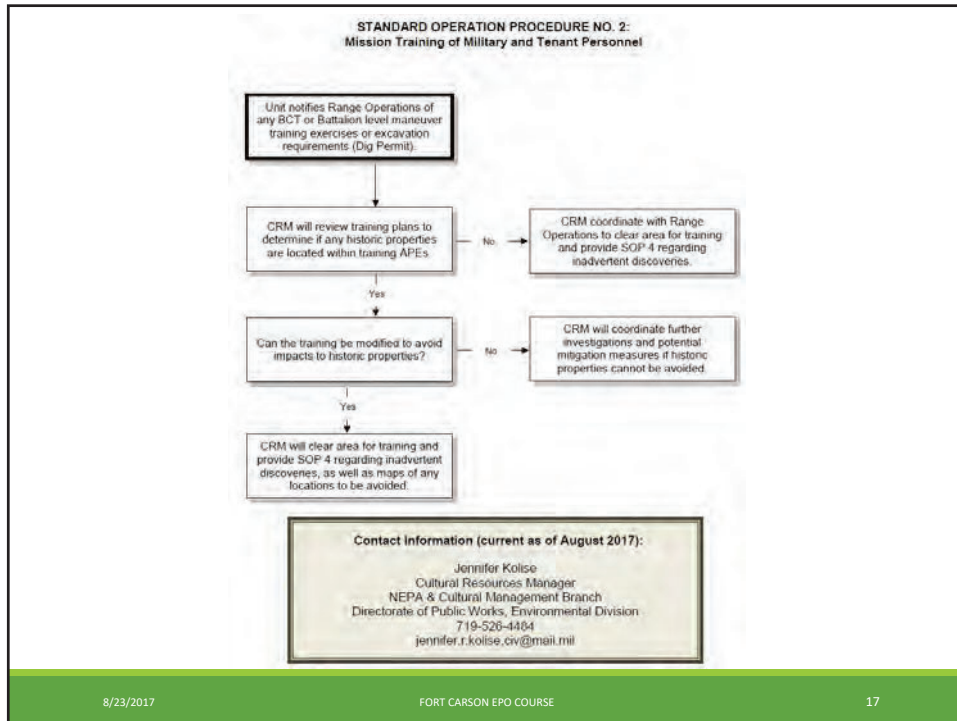
DO:

- Coordinate land use with Range Operations to ensure you are in an approved area.
 - **Especially excavation training (dig permit)**
 - Refer to ICRMP SOP No. 2
- Obey maneuver damage, environmental, and cultural resources protection policies and procedures.
- Observe posted signs, fencing, and Seibert marking indicating restricted areas that may be off-limits to vehicles, digging, bivouacking or other activities.
- Report any signs of looting, vandalism, or other damage to a cultural site to Range Operations and/or the Cultural Resources Manager (CRM).
 - Refer to ICRMP SOP No. 5A
- Stay vigilant!

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How Can You Help Protect and Preserve Cultural Resources?

DON'T:

- Collect any artifacts, including arrowheads and bottles.
- Disturb stone circles, rock mounds, ruins, or other cultural features, including using stones from cultural features to create defensive positions or resting areas.
- Lean against, sit on, or step on rock mounds, rock walls, ruins, or other cultural features.
- Touch or deface rock art or historical structures.
- Trespass in historical structures.

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19

If you find artifacts, bones, or other possible cultural items...

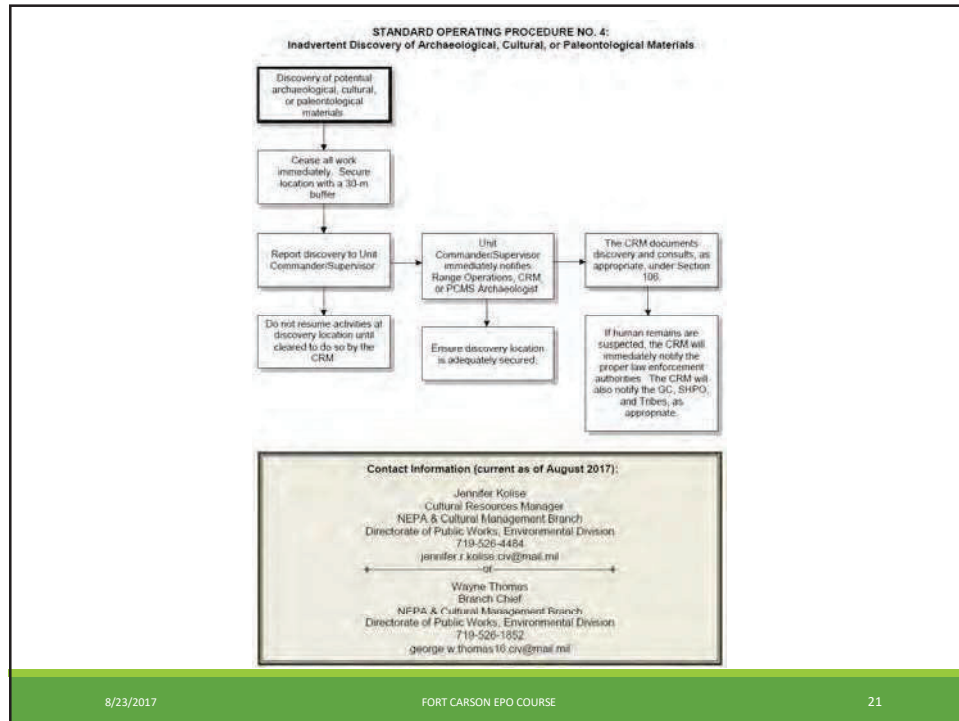
STOP WORK IMMEDIATELY

- Flag a protective buffer around the location of the discovery.
- Report the discovery to:
 - Fort Carson Range Operations (719-526-5698) or PCMS Range Operations (719-503-6120); and/or
 - Fort Carson CRM (719-526-4484) or PCMS Archaeologist (719-503-6136)
- You will be notified when you can proceed.

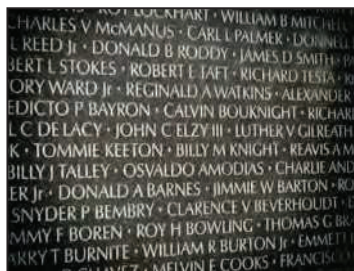
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What is the Harm in Taking a Souvenir?

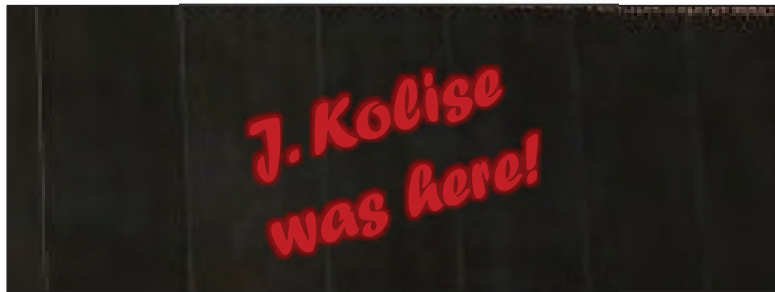


If every person who visited the Vietnam Memorial decided to take one name off as a souvenir, eventually there would be nothing left.

The same is true with archaeological sites. If everyone who visited a site took an arrowhead or bottle, eventually there would be nothing left that would give us information about the people who lived there. **OUR HERITAGE WOULD BE LOST!**



What's Wrong with this Picture?



Seriously...where's the harm in leaving your legacy somewhere?

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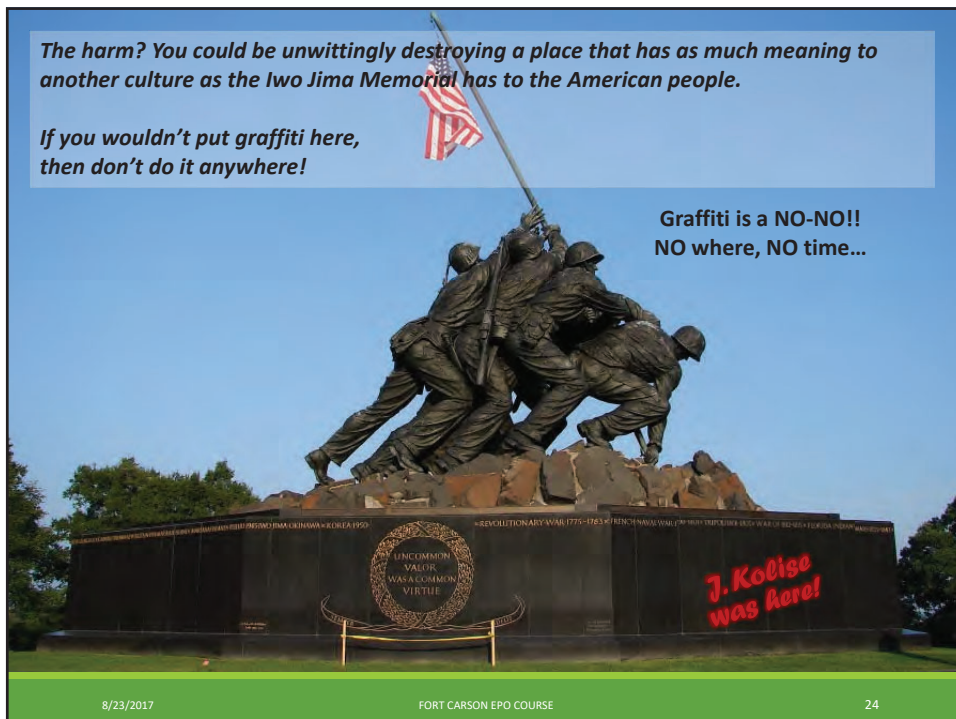
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23

The harm? You could be unwittingly destroying a place that has as much meaning to another culture as the Iwo Jima Memorial has to the American people.

If you wouldn't put graffiti here, then don't do it anywhere!

Graffiti is a NO-NO!!
NO where, NO time...

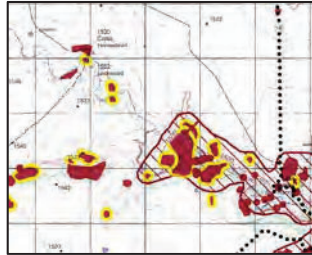


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24

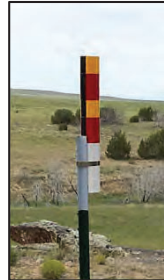
Site Protection Measures



Protected Resources JCR Map

Red = unmarked restricted area
 Red with yellow outline = marked restricted area
 Red hash-marked area = dismantled training only
 White line through restricted area = authorized travel corridor

No digging or mounted maneuvers within protected areas



Seibert Marker

Red, yellow, and white 3M reflective tape
 Black stripe points to inside of restricted area.



Protection Fences with Restricted Access Signs



Seibert Markers and Boulders

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25

Where Can You Learn More?

Integrated Cultural Resources Management Plan (ICRMP)

- Fort Carson-specific tool for the management of cultural resources
 - Outlines program obligations, goals, priorities, and SOPs
- Chapter 7 contains the SOPs relevant to your job
 - SOP No. 1: Section 106 Compliance for Project Proponents
 - SOP No. 2: Mission Training of Military and Tenant Personnel
 - SOP No. 3: Emergency Operations
 - SOP No. 4: Inadvertent Discovery of Archaeological, Cultural, or Paleontological Materials
 - SOP No. 5A: Discovery of an Inadvertent Entry or Other Impact to a Protected Site by a Non-Professional Archaeologist
- Where can it be found?
 - <https://www.carson.army.mil/organizations/dpw.html#three>

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Main Points to Remember

- Cultural resources are non-renewable.
- Obey cultural resources laws and regulations
- Follow Fort Carson-specific guidance and SOPs outlined in the ICRMP
- No digging or mounted maneuvers within protected areas
- Use established travel corridors through protected areas
- Leave cultural resources as you found them
- Report any suspected looting, vandalism, site entries, etc., immediately to Range Operations and/or the CRM
- We are here to help you: 526-4484 (CRM) or 503-6136 (PCMS Archaeologist)

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FORT CARSON EPO COURSE

27

The Army is legally required to protect and manage cultural resources.

A. True

B. False

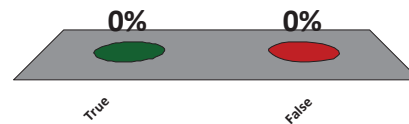
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FORT CARSON EPO COURSE

28

The Army is legally required to protect and manage cultural resources.

- A. True
- B. False



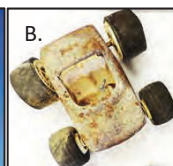
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FORT CARSON EPO COURSE

29

Which of the following would be considered a cultural resource?

- A. Trail
- B. Toy
- C. Building
- D. Rock formation
- E. B & C only
- F. C & D only
- G. All of the above
- H. None of the above



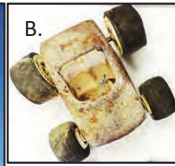
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FORT CARSON EPO COURSE

30

Which of the following would be considered a cultural resource?

- A. Trail
- B. Toy
- C. Building
- D. Rock formation
- E. B & C only
- F. C & D only
- G. All of the above
- H. None of the above



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FORT CARSON EPO COURSE

31

While digging a tank ditch, you find an arrowhead and other stone chips. What should you do first?

- A. Call Range Control or the CRM immediately.
- B. Cover it back up and say nothing.
- C. Put the arrowhead in your pocket. It would be a nice addition to your collection.
- D. Stop all work immediately, and place a buffer around the area.

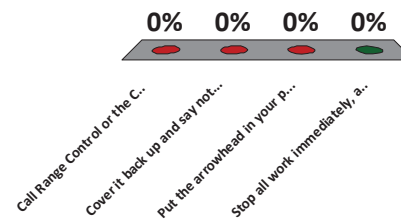
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FORT CARSON EPO COURSE

32

While digging a tank ditch, you find an arrowhead and other stone chips. What should you do first?

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- C. Put the arrowhead in your pocket. It would be a nice addition to your collection.
- D. Stop all work immediately, and place a buffer around the area.



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FORT CARSON EPO COURSE

33

You cannot be prosecuted for unknowingly defacing an archaeological site on an Army installation.

- A. True
- B. False

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FORT CARSON EPO COURSE

34

You cannot be prosecuted for unknowingly defacing an archaeological site on an Army installation.

A. True

B. False



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FORT CARSON EPO COURSE

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CULTURAL RESOURCES

POTENTIAL HAZARDS AND ENVIRONMENTAL CONCERNS

Cultural resources are remnants of past human activities that have cultural or historical value and meaning to a group of people. A resource can be thousands of years old, hundreds of years old, or from the more recent past. Examples include: rock art and carvings; archaeological sites; historic buildings, structures or objects; historic roads and trails; Native American sacred sites and traditional cultural properties; human burials; artifacts; and ruins. As a land manager, it is our duty to be good stewards, ensuring compliance with all environmental and cultural requirements, laws, and regulations. Violation of cultural resources protection laws can result in civil and criminal penalties, monetary fines, and imprisonment.

HANDLING PROCEDURES

☆	Coordinate land use with Range Control Operations to ensure you are in an approved area.	 Pictured above are various cultural resources that have been recorded on Fort Carson and PCMS.
☆	Observe posted signs, fencing, and Seibert marking that indicate restricted areas which may be off-limits to vehicles, digging, bivouacking, or other high impact activities.	
☆	Do not collect artifacts, including arrowheads and bottles. Do not disturb stone circles, rock mounds, ruins, or other cultural features. Do not touch or deface rock art, or scratch on rocks or objects of any kind.	
☆	Do not trespass in historic structures even when not marked.	  Graffiti, as seen in the photograph above, can irreparably harm the integrity of a site. There is no way to remove the graffiti without doing further damage to the site. The yellow, red, and white Seibert markers indicate areas where vehicles, digging, or bivouacking are not allowed.
☆	Report any signs of looting, graffiti, or other damage to a cultural site to Range Control Operations or Cultural Resources staff.	
☆	No graffiti anywhere, anytime.	
☆	If buried artifacts, bones, or other cultural items are found, stop work immediately, flag a protective buffer around the location of the discovery, and report the discovery to Range Control Operations or Cultural Resources staff.	

GENERAL INFORMATION

For additional information concerning cultural resources, contact the Fort Carson Cultural Resources Manager at 526-4484 or the PCMS Archaeologist at 503-6136.
 Range Control Operations: Fort Carson 526-5698 / PCMS 526-6123 or 6130
 Reference: [Fort Carson Regulation 200-1](#).

Soldiers who have been designated to the Observer-Controller Team for a brigade exercise must go through special training. This brief covers environmental considerations, including cultural resources, and is usually provided by the Fort Carson Cultural Resources Manager. It is adapted for each specific brigade exercise.

OPERATION ARETE OC TEAM BRIEF

ENVIRONMENTAL CONSIDERATIONS

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TOPICS

- Protected Resources
- Wildlife Guidance
- Cultural Resources Guidance
- Spill Response
- OPERATION ARETE Dig Request Process

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WHAT IS A PROTECTED RESOURCE?

- Not just protected archaeological sites (or cultural resources), but also...
- Protected natural resource area
- Critical infrastructure
- Human health and safety concern

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CULTURAL RESOURCE EXAMPLES



- Rock art, i.e. petroglyphs (carvings) and pictographs (paintings)
- Archaeological sites
- Historical buildings, structures, and objects
- Historical roads and trails
- Sacred sites and traditional cultural properties
- Human burials
- Artifacts
- Ruins

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NATURAL RESOURCE EXAMPLES

- Migratory bird nesting sites
- Golden eagle nesting sites
- Critical habitat for threatened / endangered species



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CRITICAL INFRASTRUCTURE EXAMPLES

- Windmills and associated wells & tanks
- Solar panels
- Pipelines
- Utility lines
- Erosion control dams



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HUMAN HEALTH & SAFETY CONCERN EXAMPLES

- Contaminated areas
- Open pits / wells / mine shafts
- Steep drop offs



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COMPLIANCE REQUIREMENTS FOR PROTECTED RESOURCES

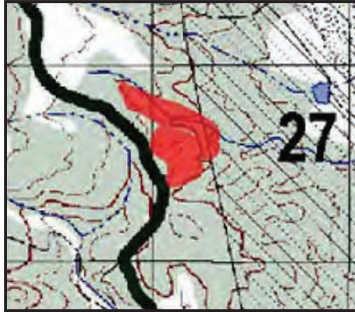
- No vehicles allowed
- No excavation allowed
- No bivouacking allowed
- No aerial maneuvering allowed within 100 meters
- Travel allowed only on approved travel corridors through the area as shown on the map

Best Practice: While operating a vehicle, implement a 30-meter stand-off distance from the perimeter of the protected resource as depicted on the map.

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PROTECTED RESOURCES MAP SYMBOLS: UNMARKED PROTECTED RESOURCE



Symbol: Area polygon with red-filled interior

Definition: Protected resource that lacks marking or is partially marked (Seibert markers, protection fencing with signs, or combination of both)

Caveats: Ensure the entire red perimeter is avoided at all times by vehicles. **Do not simply rely on the observed Seibert markers and/or fencing.**

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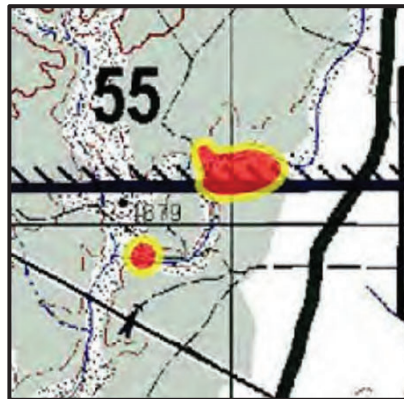


PROTECTED RESOURCES MAP SYMBOLS: MARKED PROTECTED RESOURCE

Symbol: Area polygon with red-filled interior and yellow outline (halo)

Definition: Protected resource that is completely marked with Seibert markers, protection fencing with signs, or a combination of both

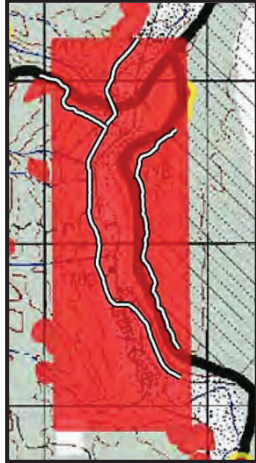
Caveats: Ensure the yellow outside perimeter is avoided at all times by vehicles. **Do not simply rely on the observed Seibert markers and/or fencing.**



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PROTECTED RESOURCES MAP SYMBOLS: AUTHORIZED TRAVEL CORRIDOR



Symbol: White line interior and black outline

Definition: Corridors approved for travel through protected resources

Caveat: No off-road travel allowed within the protected resource. **Stay on the approved, existing corridor only.**

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PHYSICAL PROTECTION MEASURES



Seibert Marker

Red, yellow, and white 3M reflective tape
Black stripe points to inside of restricted area.



Protection Fences with Restricted Access Signs



Boulders

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INADVERTENT ENTRY / IMPACT

- Inform Range Operations **immediately** of any inadvertent entries into or other impacts to a protected resource.
- Note conditions and how / why the entry or impact occurred.
 - This information helps prevent future entries or impacts.

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NATURAL RESOURCES GUIDANCE

Refer to Fort Carson Environmental Battle Book, v 5.1, DEC 2016

- Page 77, “Wildlife (Dangerous): Bears / Mountain Lions / Rattlesnakes / Coyotes”
- Page 78, “Wildlife (Migratory Birds): Songbirds / Raptors / Ravens / Etc.”
- Page 79, “Wildlife (Problem Critters): Raccoons / Skunks / Rodents / Non-Venomous Snakes / Etc.”
- Page 80, “Wildlife (Sensitive or T&E Species): Prairie Dogs / Burrowing Owls”

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NATURAL RESOURCES GUIDANCE

- Military training activities are **not** exempt from the Migratory Bird Treaty Act, but are authorized for incidental take under the 50 CFR Part 21.
- Nesting birds should be avoided when possible.
- Avoid digging or bivouacking in prairie dog colonies due to potential plague exposure.
- Contact the Wildlife Biologists or Conservation Law Enforcement Officers for any wildlife issues (e.g. snake removal, injured animal, incidental take).

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NATURAL RESOURCES GUIDANCE

- Do not crush or cut trees unnecessarily.



This tree was approximately 200 years old.
 This was avoidable.



Stock tanks provide drinking water for wildlife.

- Do not run over stock tanks or guzzlers.

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CULTURAL RESOURCES GUIDANCE

Refer to Fort Carson Environmental Battle Book, v 5.1, DEC 2016, page 31, "Cultural Resources" and Chapter 7 of the Integrated Cultural Resources Management Plan.

- Observe posted signs, fencing, and Seibert marking. No digging, bivouacking, mounted maneuvers, etc. within these areas.
- Do not collect artifacts.
- Do not disturb stone circles, rock mounds, ruins, or other cultural features.
- Do not touch or deface rock art.
- Do not trespass in historic structures (safety hazard).

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CULTURAL RESOURCES GUIDANCE

- Report any signs of looting, graffiti, or other damage to Range Operations or Cultural Resources staff.
- No graffiti anywhere, anytime.



**You will not WRITE, PRINT, PAINT, STAMP
SCRATCH, PECK, OR CHALK ON ANY STONE
SURFACES, BUILDINGS / STRUCTURES
(HISTORIC OR MODERN), OR LATRINE
WALLS!!!!!!**

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IF YOU FIND ARTIFACTS, BONES, OR OTHER POSSIBLE CULTURAL ITEMS...

- Stop work immediately.
- Flag a protective buffer around the location of the discovery.
- Report the discovery to Range Operations.
- You will be notified when you can proceed.

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SPILL RESPONSE

Refer to Fort Carson Environmental Battle Book, v 5.1, DEC 2016, page 67, "Spill Clean Up and Reporting Oil/Hazardous Substance."

- Spill cleanup is the unit's responsibility.
- General response procedures:
 - Do not put personnel at risk.
 - Contain and report to your unit. Report location to Range Operations.
 - Spills of 5 gallons or more must be reported to Range Operations immediately.
 - Range Operations will contact the Fire Dept. Do not call 911 at PCMS.
 - Most spills are cleaned up by removing the contaminated soils.
 - Recovered contaminated soils will be transported to the PCMS Cantonment for disposal.

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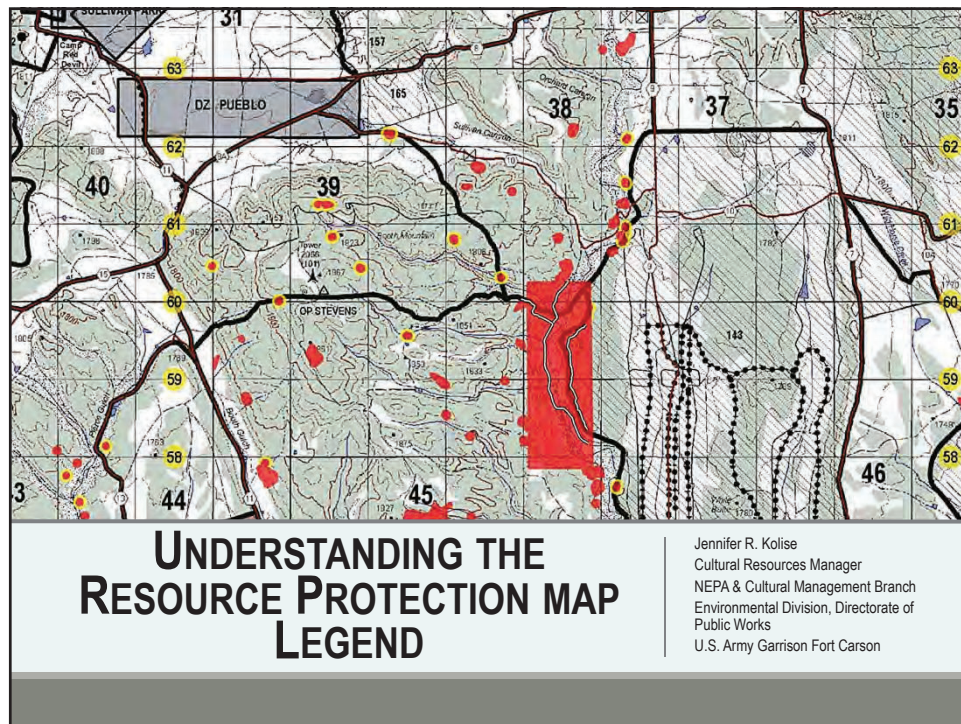


OPERATION ARETE STRIKE DIG REQUEST PROCESS

- Unit submits dig request through chain of command to HICON (type of excavation, method, and MGRS coordinates).
- HICON reviews request (approves or denies).
- If approved, unit digs and provides dig locations through chain of command back to HICON.
- Accurate reporting of dig locations facilitates Cultural Resource staff inspection and future land remediation.

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WHAT IS A PROTECTED RESOURCE?

- Protected natural resource area, such as critical habitat for a threatened & endangered species or a migratory bird nesting site
- Protected cultural resource area, such as archaeological sites, historic buildings, or burials
- Critical infrastructure
- Human health & safety concerns, such as radiation control areas, mine shafts, or steep cliffs

NATURAL RESOURCE EXAMPLES

- Critical habitat for threatened & endangered species
- Golden eagle nesting sites
- Migratory bird nesting sites



CULTURAL RESOURCE EXAMPLES



- Rock art, i.e. petroglyphs (carvings) and pictographs (paintings)
- Archaeological sites
- Historical buildings, structures, and objects
- Historical roads and trails
- Sacred sites and traditional cultural properties
- Human burials
- Artifacts
- Ruins

CRITICAL INFRASTRUCTURE EXAMPLES

- Windmills and associated wells & tanks
- Solar panels
- Pipelines
- Utility lines



HUMAN HEALTH & SAFETY CONCERN EXAMPLES

- Environmental contamination areas, e.g. radiation control areas & asbestos contaminated areas
- Open pits, wells, & mine shafts
- Steep drop offs

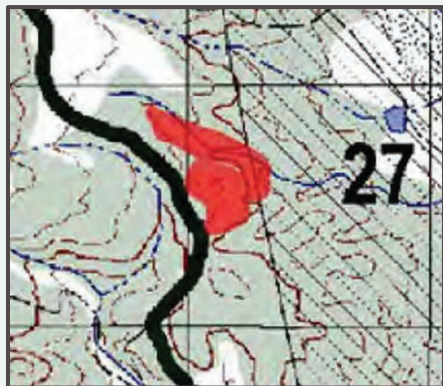


COMPLIANCE REQUIREMENTS

- No vehicles allowed
- No excavation allowed
- No bivouacking allowed
- No aerial maneuvering allowed within 100 meters
- Travel allowed only on approved travel corridors through the area as shown on the map

Best Practice: While operating a vehicle, implement a 30-meter stand-off distance from the perimeter of the protected resource as depicted on the map.

STANDARDIZED SYMBOL: UNMARKED RESOURCE



Symbol: Area polygon with red-filled interior

Definition: Protected resource that lacks marking or is partially marked (Seibert markers, protection fencing with signs, or combination of both)

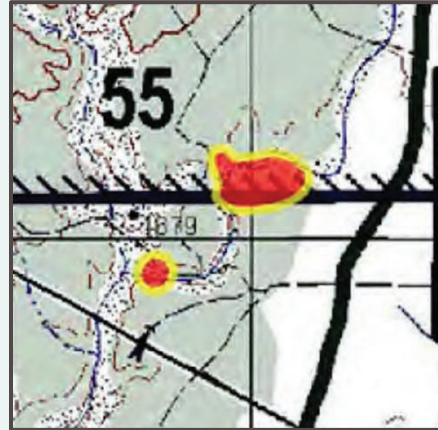
Caveat: Ensure the entire red perimeter is avoided at all times by vehicles. **Do not simply rely on the observed Seibert markers and/or fencing.**

STANDARDIZED SYMBOL: MARKED RESOURCE

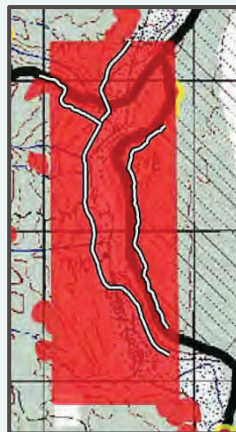
Symbol: Area polygon with red-filled interior and yellow outline (halo)

Definition: Protected resource that is properly marked with Seibert markers, protection fencing with signs, or a combination of both

Caveat: Ensure the yellow outside perimeter is avoided at all times by vehicles. **Do not simply rely on the observed Seibert markers and/or fencing.**



STANDARDIZED SYMBOL: AUTHORIZED TRAVEL CORRIDOR THROUGH PROTECTED RESOURCE



Symbol: White line interior and black outline

Definition: Corridors approved for travel through protected resources

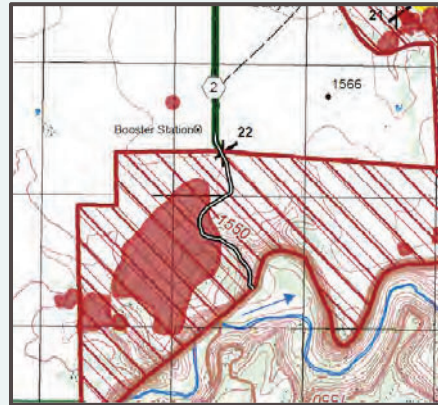
Caveat: No off-road travel allowed within protected resource. **Stay on the approved existing corridor only.**

STANDARDIZED SYMBOL: DISMOUNTED ONLY AREAS

Symbol: Area polygon with red crosshatch

Definition: Dismounted only training area all vehicles must stay on approved roads no off-road vehicle travel is authorized

Caveat: These areas do not conform to topography.



PHYSICAL PROTECTION MEASURES



Seibert Marker

Red, yellow, and white 3M reflective tape black stripe points to inside of restricted area.



Protection Fences with Restricted Access Signs



Boulders

USAFA Cadet Survival Training

ENVIRONMENTAL CONSIDERATIONS

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TOPICS

Protected Resources

Wildlife Guidance

Cultural Resources Guidance

Spill Response



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WHAT IS A PROTECTED RESOURCE?

- Not just protected archaeological sites (or cultural resources), but also...
- Protected natural resource area
- Critical infrastructure
- Human health and safety concern

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CULTURAL RESOURCE EXAMPLES



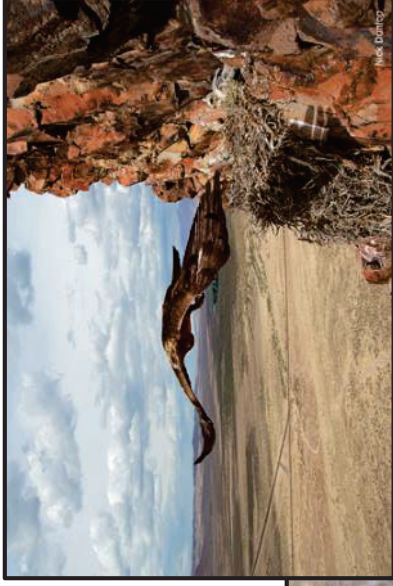
- Rock art, i.e. petroglyphs (carvings) and pictographs (paintings)
- Archaeological sites
- Historical buildings, structures, and objects
- Historical roads and trails
- Sacred sites and traditional cultural properties
- Human burials
- Artifacts
- Ruins



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NATURAL RESOURCE EXAMPLES

- Migratory bird nesting sites
- Golden eagle nesting sites
- Critical habitat for threatened / endangered species



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CRITICAL INFRASTRUCTURE EXAMPLES

- Windmills and associated wells & tanks
- Solar panels
- Pipelines
- Utility lines
- Erosion control dams



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FY23 Annual Report Fort Carson Built Environment PA

HUMAN HEALTH & SAFETY CONCERN EXAMPLES

- Contaminated areas
- Open pits / wells / mine shafts
- Steep drop offs



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COMPLIANCE REQUIREMENTS FOR PROTECTED RESOURCES

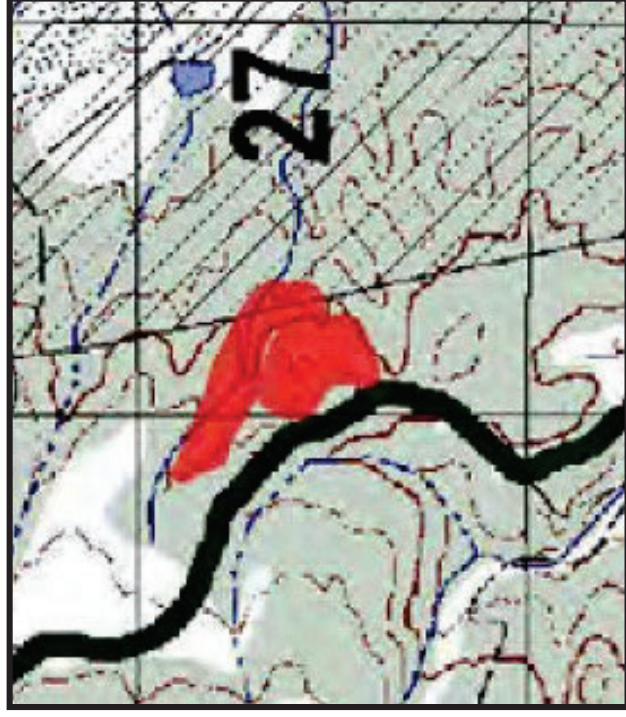
- No vehicles allowed
- No excavation allowed
- No bivouacking allowed
- No aerial maneuvering allowed within 100 meters
- Travel allowed only on approved travel corridors through the area as shown on the map

Best Practice: While operating a vehicle, implement a 30-meter stand-off distance from the perimeter of the protected resource as depicted on the map.

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PROTECTED RESOURCES MAP SYMBOLS: UNMARKED PROTECTED RESOURCE



Symbol: Area polygon with red-filled interior

Definition: Protected resource that lacks marking or is partially marked (Seibert markers, protection fencing with signs, or combination of both

Caveats: Ensure the entire red perimeter is avoided at all times by vehicles. **Do not simply rely on the observed Seibert markers and/or fencing.**

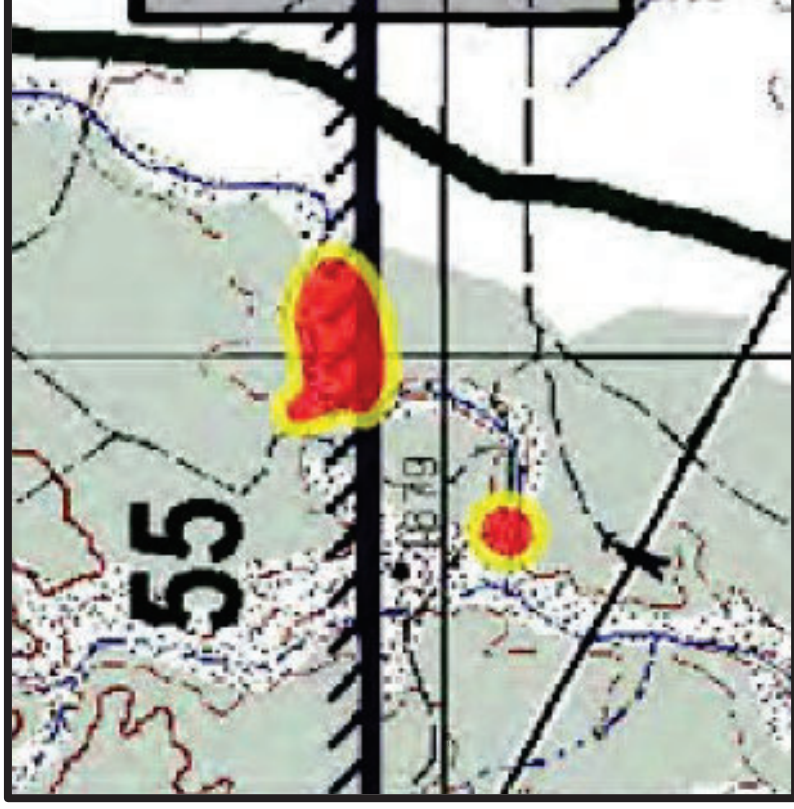


PROTECTED RESOURCES MAP SYMBOLS: MARKED PROTECTED RESOURCE

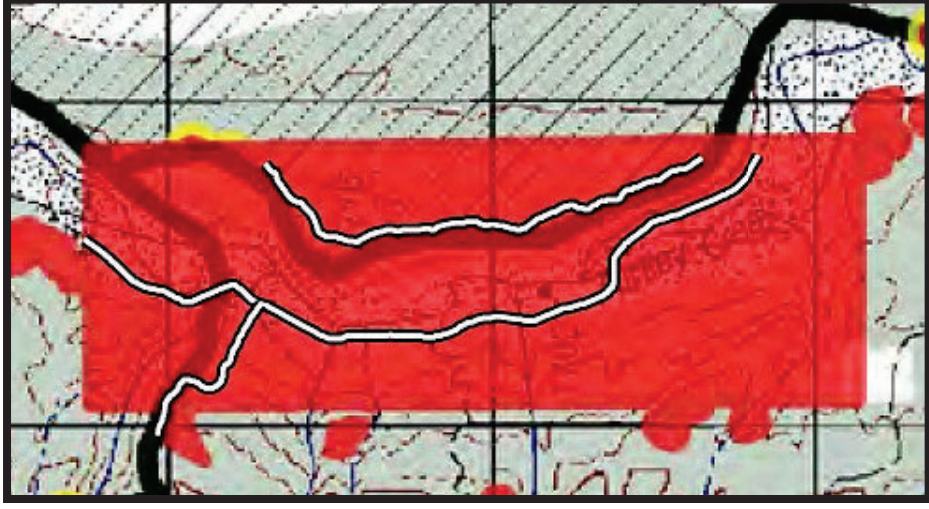
Symbol: Area polygon with red-filled interior and yellow outline (halo)

Definition: Protected resource that is completely marked with Seibert markers, protection fencing with signs, or a combination of both

Caveats: Ensure the yellow outside perimeter is avoided at all times by vehicles. **Do not simply rely on the observed Seibert markers and/or fencing.**



PROTECTED RESOURCES MAP SYMBOLS: AUTHORIZED TRAVEL CORRIDOR



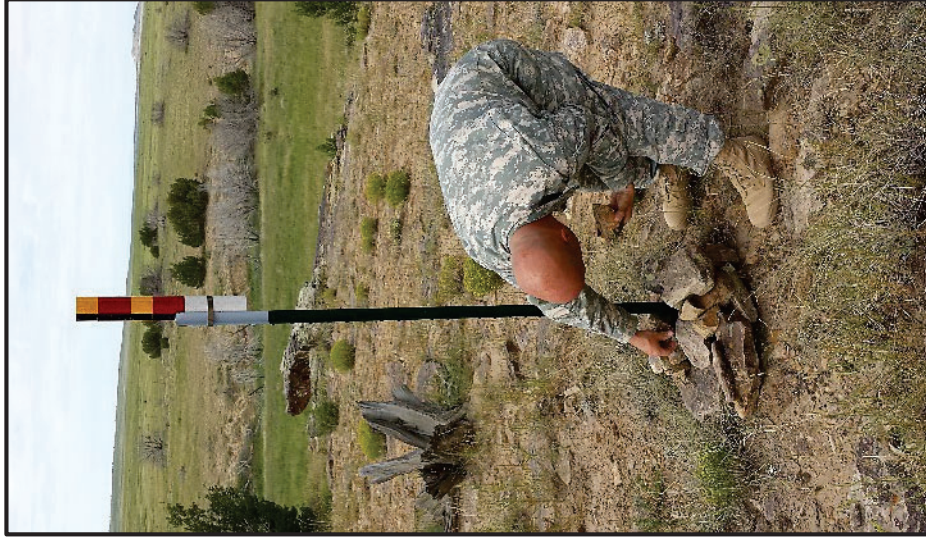
Symbol: White line interior and black outline

Definition: Corridors approved for travel through protected resources

Caveat: No off-road travel allowed within the protected resource. **Stay on the approved, existing corridor only.**



PHYSICAL PROTECTION MEASURES

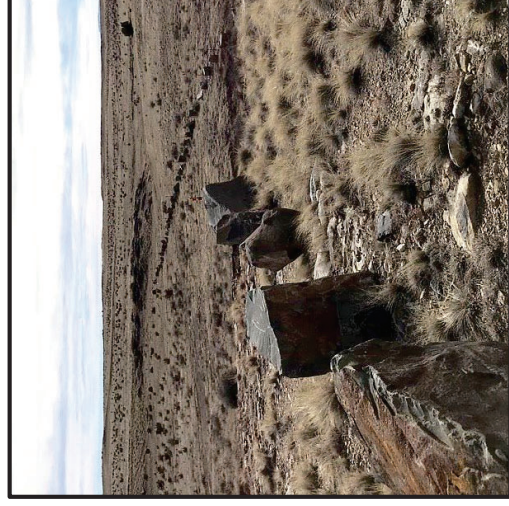


Seibert Marker

Red, yellow, and white 3M reflective tape
Black stripe points to inside of restricted area.



Protection Fences with Restricted Access Signs



Boulders



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INADVERTENT ENTRY / IMPACT

- Inform Range Operations **immediately** of any inadvertent entries into or other impacts to a protected resource.
- Note conditions and how / why the entry or impact occurred.
 - This information helps prevent future entries or impacts.

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NATURAL RESOURCES GUIDANCE

Refer to Fort Carson Environmental Battle Book, v 6.1, 2018

- Page 80, “Wildlife (Dangerous): Bears / Mountain Lions / Rattlesnakes / Coyotes”
- Page 81, “Wildlife (Migratory Birds): Songbirds / Raptors / Ravens / Etc.”
- Page 82, “Wildlife (Problem Critters): Raccoons / Skunks / Rodents / Non-Venomous Snakes / Etc.”
- Page 83, “Wildlife (Sensitive or T&E Species): Prairie Dogs / Burrowing Owls”



NATURAL RESOURCES GUIDANCE

- Military training activities are **not** exempt from the Migratory Bird Treaty Act, but are authorized for incidental take under 50 CFR Part 21.
- Nesting birds should be avoided when possible.
- Avoid digging or bivouacking in prairie dog colonies due to potential plague exposure.
- Contact the Wildlife Biologists or Conservation Law Enforcement Officers for any wildlife issues (e.g. snake removal, injured animal, incidental take).



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NATURAL RESOURCES GUIDANCE

- Do not crush or cut trees unnecessarily.



**This tree was approximately 200 years old.
This was avoidable.**



Stock tanks provide drinking water for wildlife.

- Do not run over stock tanks or guzzlers.



CULTURAL RESOURCES GUIDANCE

Refer to Fort Carson Environmental Battle Book, v 6.1, 2018, page 31, “Cultural Resources” and Chapter 7 of the Integrated Cultural Resources Management Plan.

- Observe posted signs, fencing, and Seibert marking. No digging, bivouacking, mounted maneuvers, etc. within these areas.
- Do not collect artifacts.
- Do not disturb stone circles, rock mounds, ruins, or other cultural features.
- Do not touch or deface rock art.
- Do not trespass in historic structures (safety hazard).



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CULTURAL RESOURCES GUIDANCE

- Report any signs of looting, graffiti, or other damage to Range Operations or Cultural Resources staff.
- No graffiti anywhere, anytime.



You will not WRITE, PRINT, PAINT, STAMP, SCRATCH, PECK, OR CHALK ON ANY STONE SURFACES, BUILDINGS / STRUCTURES (HISTORIC OR MODERN), OR LATRINE WALLS!!!!

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IF YOU FIND ARTIFACTS, BONES, OR OTHER POSSIBLE CULTURAL ITEMS...

- Stop work immediately.
- Flag a protective buffer around the location of the discovery.
- Report the discovery to Range Operations & Cultural Resources Manager and/or PCMS Archaeologists.
- You will be notified by the Cultural Resources Manager or PCMS Archaeologists when you can proceed.



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SPILL RESPONSE

Refer to Fort Carson Environmental Battle Book, v 6.1, 2018, page 68, “Spill Clean Up and Reporting Oil/Hazardous Substance.”

- Spill cleanup is the unit’s responsibility.
- General response procedures:
 - Do not put personnel at risk.
 - Contain and report to your unit. Report location to Range Operations.
 - Spills of 5 gallons or more must be reported to Range Operations immediately.
 - Range Operations will contact the Fire Dept. Do not call 911 at PCMS.
 - Most spills are cleaned up by removing the contaminated soils.
 - Recovered contaminated soils will be transported to the PCMS Cantonment for disposal.



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CITED RESOURCES

Environmental Battle Book, v 6.1, 2018

<https://home.army.mil/carson/application/files/4116/4976/7771/environmental-battlebook.pdf>

Integrated Cultural Resources Management Plan

<https://home.army.mil/carson/application/files/3716/4934/6831/2017-2021-icrmp.pdf>

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**FISCAL YEAR (FY) 2022 ANNUAL REPORT:
PROGRAMMATIC AGREEMENT AMONG ARMY GARRISON FORT CARSON, COLORADO
STATE HISTORIC PRESERVATION OFFICER, AND THE ADVISORY COUNCIL ON HISTORIC
PRESERVATION REGARDING MILITARY TRAINING AND OPERATIONAL SUPPORT ACTIVITIES
DOWN RANGE FORT CARSON, COLORADO**

NOVEMBER 15, 2023

The U.S. Army Garrison (USAG) Fort Carson submits the following annual report to the State Historic Preservation Officer (SHPO) and concurring parties in accordance with Stipulation V of the *Programmatic Agreement among U.S. Army Garrison Fort Carson, Colorado State Historic Preservation Officer, and the Advisory Council on Historic Preservation regarding Military Training and Operational Support Activities Down Range Fort Carson, Colorado*, hereafter referred to as the Fort Carson Downrange PA. This report covers the period from October 1, 2022, through September 30, 2023, and includes information as outlined in Stipulation V.A. It has been distributed electronically to the SHPO and concurring parties and is available online at:

<https://home.army.mil/carson/index.php/Directorate/directorate-public-works/nepa-and-cultural-resources-documents>.

I. Exempted Undertakings

Table 1 of Enclosure 1 lists all exempted undertakings that have been reviewed by the Fort Carson Cultural Resources Manager (CRM) during the reporting period. Forty-six undertakings were reviewed that were considered exempted in accordance with Appendix 1 of the Fort Carson Downrange PA.

II. Non-Exempted Undertakings

No undertakings required consultation in accordance with Section 106 of the National Historic Preservation Act (NHPA) for the Fort Carson Downrange PA.

III. Action Updates

A. Status of Tasks Implemented under Stipulations I, III, IV, and VI

The Fort Carson Downrange PA Task Tracker (Enclosure 2) provides detailed information regarding the status of the various tasks implemented under Stipulation I, Inventory and Evaluation of Cultural Resources; Stipulation III, Protection of Historic Properties; Stipulation IV, Monitoring; and Stipulation VI, Mitigation.

A. Cultural Resources Awareness Training

The following cultural resources awareness training materials are provided to Soldiers, civilian employees, contractors, and other users, as appropriate:

- Environmental Protection Officer (EPO) course – provided monthly to Soldiers who serve as the EPO for their unit.

- Fort Carson Environmental Battle Book, 2018, v6.1 – a quick reference document for guidance on common environmental concerns including cultural resources; a Cultural Resources Awareness Video
- Cultural Resource Awareness Training for the 2023 United States Air Force Academy Cadet Survival Training at the PCMS. Cultural Awareness Training was conducted in sessions from June 3, 2023, until July 15, 2023. Each training session was administered to approximately 200 cadets.

Additional training materials, briefs, and presentations are provided on an as needed basis, and are typically specific to the situation.

B. Inventory and Survey of the APEs

No surveys were conducted during the reporting period.

C. Inadvertent Entries and/or Impacts to Historic Properties

The following summarizes any inadvertent entries and/or impacts to historic properties that occurred during the reporting period.

- CF2022-006 TA 43 Wildland Fire: The wildland fire started on April 28, 2022, with fire suppression activities concluding on May 1, 2022. The fire burned about 1300 acres within TA 43. Within the fire footprint were seven protected resources: 5PE356, 5PE1388, 5PE8099, 5EP8835, 5PE8836, 5PE8837, 5PE8838. Survey and assessment is on-going.
- CF2023-003 Orchard Damage at Callen Homestead (5FN00290): On February 1, 2023, Fort Carson Cultural Resource staff assessed damage to 5FN.290 due to Fire Thinning Activities along the Fort Carson Fire Break. An MFR was submitted to the OAHF and consulting parties on April 4, 2023. The SHPO concurred with the findings of effects via correspondence dated June 1, 2020 (HC# 63877). Responses were also received from the Southern Ute Indian Tribe Consultation will continue to discuss the appropriate mitigation to resolve for adverse effects to site 5PE2966 and develop a Memorandum of Agreement implementing the chosen mitigation effort.
-

D. Inadvertent Discoveries

There were no inadvertent discoveries during the reporting period.

E. Emergency Response per 36 CFR 800.12

Per 36 CFR 800.12(d), fire suppression activities associated with the following wildland fire events are considered immediate rescue and salvage operations conducted to preserve life or property, and as such, are exempt from the provisions of Section 106.

There were no wildland fire events during the reporting period.

F. Amendment

There were no amendments proposed nor executed during the reporting period.

On September 28, 2021, USAG Fort Carson notified the ACHP, SHPO, Tribes, and other consulting and interested parties of our intention to implement the Army Alternate Procedures (AAP) and requested point-of-contact information for those interested in collaborating with USAG Fort Carson in the development of a Historic Properties Component. Implementation of the AAP would supersede the Fort Carson Downrange PA. Treatment and mitigation requirements made in this PA will be effective and implemented until completed.

G. Dispute Resolution

There have been no dispute resolution activities during the reporting period.

H. Other

In Section III.D of the FY2019 Annual Report, inadvertent entries associated with the 2nd Infantry Brigade Combat Team “Warhorse Strike” Training Exercise held in September-October 2019 were reported at two sites: 5PE793 and 5PE2966. USAG Fort Carson determined no adverse effects to 5PE793 occurred as a result of the entry, and adverse effects to 5PE2966 occurred due to cumulative effects associated with military training. The after-action report was submitted to the SHPO, Native American Tribes, and other consulting and interested parties on May 27, 2020. The SHPO concurred with the findings of effects via correspondence dated June 1, 2020 (HC #77880). Responses were also received from the City of Colorado Springs, Pawnee Nation of Oklahoma, and Southern Ute Indian Tribe. Consultation will continue to discuss the appropriate mitigation to resolve for adverse effects to site 5PE2966 and develop a Memorandum of Agreement implementing the chosen mitigation effort. During the reporting year, no progress has been made toward the resolution of adverse effects at site 5PE2966.

Report compiled by:

Benjamin A. Zandarski II
Fort Carson Archaeologist

Report reviewed by:

Angie Bell
Chief, NEPA & Cultural Resources Branch

Report approved by:

WACHTER.JOH
N.P.1028492835

Digitally signed by
WACHTER.JOHN.P.1028492835
Date: 2023.11.16 08:33:18 -07'00'

John P. Wachter
Chief, Environmental Division

ENCLOSURE 1

ENCLOSURE 1:

ALL UNDERTAKINGS REVIEWED BY THE FORT CARSON CRMP DURING THE FY23 REPORTING PERIOD (OCTOBER 1, 2022 THROUGH SEPTEMBER 30, 2023) UNDER THE FORT CARSON Down RANGE PA

Table 1: Exempted Undertakings

USAG Fort Carson NEPA Project Number(s) & Project Title	USAG Fort Carson	Location (APE)	Exemption(s) Used	Date(s) Reviewed	Remarks
2023-004 HHC 4th Attack Battalion, 4th Combat Aviation Brigade, 4th ID, Excavation Training Dig Request, Training Area (TA) 56, Fort Carson	n/a	Downrange Fort Carson	FC C	10/4/2022	
2023-005 615th Engineer Company, 4th Engineer Battalion, Excavation Training Dig Request, TA 29, Fort Carson	n/a	Downrange Fort Carson	FC C	10/13/2022	
2023-006 FY23 Quarterly Advisory REC for Training on FC and PCMS	DPT23QTR1	Main Post Downrange Fort Carson PCMS Numbered TAs PCMS Lettered TAs PCMS Training Area A	BE I.C3 FC A FC B FC C PC B1 PC B1 PC B2 PC B3 PC C1 PC C2 PC D1 PC D2	10/20/2022	Per Fort Carson Regulation 200-1, each quarter the Record of Environmental Consideration (REC) for training will be updated. This quarterly training REC covers use of established ranges, drop zones, landing zones, and other training facilities; maneuver training (mounted, dismounted, and aerial); excavation training; etc. It does not cover brigade-sized training exercises, which are reviewed separately. In addition, excavation training is reviewed by the Cultural Resources Program on a case-by-case basis. Updated GIS layers of protected resources restrictions, as well as Standard Operating Procedures (SOPs) and cultural resources awareness training briefs for Fort Carson and PCMS are provided to DPTMS for planning purposes.
2023-029 Alpha Company, 299th Battalion, Excavation Training Dig Request, TA 11, Fort Carson	n/a	Downrange Fort Carson	FC C	11/14/2022	
2023-039 Able Company, 4th Battalion, 9th Infantry Regiment (Manchu), 1st Stryker Brigade Combat Team 4th Infantry Division, Excavation Training Dig Request, Range 127A, Fort Carson	n/a	Downrange Fort Carson	FC C	12/7/2022	

USAG Fort Carson NEPA Project Number(s) & Project Title		USAG Fort Carson	Location (APE)	Exemption(s) Used	Date(s) Reviewed	Remarks
2023-044 FY23 Prairie Dog Control and Treatment		DPW23-034	Main Post	BE I.B3 FC D2b PC A3b	3/21/2023	Proposed work includes: the elimination of prairie dog colonies with rodenticides and flea control with insecticides. Treatments will take place at: Butts Army Airfield; the Ammunition Supply Point; Olympic shooting center; Patriot School Age Center and adjacent; Ranges 104, 105, 109, 11, 111, 115A, 115B, 117, 119, 121C, 127, 127A, 139, 143 Helipad, 151, 153, 155, 24, 29, 45, 49, 51, 55, 57, and 65; TA 51 forward arming and refueling point; Turkey Creek Ranch; Wilderness Road Complex; and PCMS airfield.
			Turkey Creek Complex			
			Bird Farm			
			Downrange Fort Carson			Section 106 consultation was completed in July 2019 for the Turkey Creek Complex as part of NEPA Project No. 2019-168.
2023-069 Able Company, 4th Battalion, 9th Infantry Regiment (Manchu), 1st Stryker Brigade Combat Team 4th Infantry Division, Excavation Training Dig Request, Range 127A, Fort Carson		n/a	Downrange Fort Carson	FC C	1/5/2023	Section 106 consultation was completed in March 2023 for the Olympic shooting center at Bird Farm as part of NEPA No. 2023-044.
			Downrange Fort Carson			
			Downrange Fort Carson			
2023-085 4th Battalion, 9th Infantry Division, 1st Stryker Brigade Combat Team, 4th Infantry Division, Excavation Training Dig Request, Range 153, Fort Carson		n/a	Main Post	BE I.B3 FC D2b PC B4b2	1/24/2023	Information provided to proponent for avoidance of protected cultural resources.
			Downrange Fort Carson			
2023-089 Prescribed Burns FY2023 FC & PCMS		DPW23-046	PCMS Numbered TAs		1/30/2023	

USAG Fort Carson NEPA Project Number(s) & Project Title	USAG Fort Carson	Location (APE)	Exemption(s) Used	Date(s) Reviewed	Remarks
2023-096 1st Battalion, 38th Infantry Regiment, 1st Stryker Brigade Combat Team, 4th Infantry Division, Excavation Dig Request, Range 127, Fort Carson	n/a	Downrange Fort Carson	FC C	1/31/2023	
2023-098 1st Battalion, 38th Infantry Regiment, Excavation Dig Request, Training Area 20, Fort Carson	n/a	Downrange Fort Carson	FC C	2/9/2023	
2023-102 404th Aviation Support Battalion, 4th Combat Aviation Brigade, Excavation Dig Request, Training Area 49, Fort Carson	n/a	Downrange Fort Carson	FC C	2/16/2023	
2023-108 1st Battalion, 38th Infantry Regiment, Excavation Dig Request, Training Areas 25, 28, & 29, Fort Carson	n/a	Downrange Fort Carson	FC C	3/6/2023	
2023-120 Alpha Company, 299th Brigade Engineer Battalion, 1st Stryker Brigade Combat Team, 4th Infantry Division, Excavation Dig Request, Training Area 15, Fort Carson	n/a	Downrange Fort Carson	FC C	3/10/2023	
2023-125 Alpha Company, 299th Brigade Engineer Battalion, 1st Stryker Brigade Combat Team, 4th Infantry Division, Excavation Dig Request, Training Area 11, Fort Carson	n/a	Downrange Fort Carson	FC C	3/14/2023	
2023-132 Amphibian Acoustic Surveys on Fort Carson, Multiple	DPW23-058	Main Post Downrange Fort Carson	BE I.A1 BE I.A2 FC D1a FC D1b	3/23/2023	
2023-134 Headquarters and Headquarters Company, 299th Brigade Engineer Battalion, 1st Stryker Brigade Combat Team, 4th Infantry Division, Excavation Dig Request, Training Area 30, Fort Carson	n/a	Downrange Fort Carson	FC C	3/21/2023	

USAG Fort Carson NEPA Project Number(s) & Project Title	USAG Fort Carson	Location (APE)	Exemption(s) Used	Date(s) Reviewed	Remarks
2023-137 FY23 3rd Quarterly Advisory REC for Training on FC and PCMS	DPT23QTR3	Main Post Downrange Fort Carson PCMS Numbered TAs PCMS Lettered TAs PCMS Training Area A	BE I.C3 FC A FC B FC C PC B1 PC B1 PC B2 PC B3 PC C1 PC C2 PC D1 PC D2	3/22/2023	Per Fort Carson Regulation 200-1, each quarter the Record of Environmental Consideration (REC) for training will be updated. This quarterly training REC covers use of established ranges, drop zones, landing zones, and other training facilities; maneuver training (mounted, dismounted, and aerial); excavation training; etc. It does not cover brigade-sized training exercises, which are reviewed separately. In addition, excavation training is reviewed by the Cultural Resources Program on a case-by-case basis. Updated GIS layers of protected resources restrictions, as well as Standard Operating Procedures (SOPs) and cultural resources awareness training briefs for Fort Carson and PCMS are provided to DPTMS for planning purposes.
2023-146 576 Combat Engineer Company, 4th Engineer Battalion, Excavation Dig Request, Training Area 10, Fort Carson	n/a	Downrange Fort Carson	FC C	4/4/2023	
2023-148 Alpha Company and Headquarters Company, 3rd Armored Brigade Combat Team, 4th Infantry Division, Excavation Dig Request, Training Area 39, Fort Carson	n/a	Downrange Fort Carson	FC C	4/7/2023	
2023-157 68th Combat Sustainment Support Battalion, 4ID Sustainment Brigade, 4th Infantry Division, Excavation Dig Request, Training Area 14, Fort Carson	n/a	Downrange Fort Carson	FC C	4/17/2023	
2023-160 Range Rider Event	n/a	Downrange Fort Carson	FC D2c	4/19/2023	

USAG Fort Carson NEPA Project Number(s) & Project Title	USAG Fort Carson	Location (APE)	Exemption(s) Used	Date(s) Reviewed	Remarks
2023-164 Bravo Company, 588th Brigade Engineer Battalion, 3rd Armored Brigade Combat Team, 4th Infantry Division, Excavation Dig Request, Training Area 10, Fort Carson	n/a	Downrange Fort Carson	FC C	4/20/2023	
2023-166 Cutthroat Company, 1st Battalion, 66th Armor Regiment, 3rd Armored Brigade Combat Team, 4th Infantry Division, Dig Request, Training Area 39 Fort Carson	n/a	Downrange Fort Carson	FC C	4/24/2023	
2023-170 RPR, Red Devil TUAS Landing Strip, TA 31	4ID23-013	Downrange Fort Carson	FC D2b	4/26/2023	
2023-180 RPR Contaminated Insulations, Multiple	DPT22-018	Main Post Downrange Fort Carson	BE I.A2 FC D1a	5/8/2023	Proposed work includes: the removal and replacement of contaminated insulation and re-sealing of buildings
2023-181 4th Combat Aviation Brigade, 4th Infantry Division, Excavation Dig Request, TAs 11, 24, 30, 31, 43, and 44, Fort Carson	n/a	Downrange Fort Carson	FC C	5/9/2023	
2023-182 HHC, 4th Engineer Battalion, Excavation Dig Request, TA 31, Fort Carson	n/a	Downrange Fort Carson	FC C	5/12/2023	
2023-185 Bravo Company and Headquarters Company, 3rd Armored Brigade Combat Team, 4th Infantry Division, Excavation Dig Request, TA 9, Fort Carson	n/a	Downrange Fort Carson	FC C	5/24/2023	
2023-206 3rd Armored Brigade Combat Team, 4th Infantry Division, Excavation Request, TA 35, FC	n/a	Downrange Fort Carson	FC C	6/29/2023	
2023-212 588th Brigade Engineer Battalion, 3rd Armor Brigade Combat Team, 4th Infantry Division, TA 35, FC	n/a	Downrange Fort Carson	FC C	7/7/2023	
2023-213 404th Aviation Support Battalion, 4th Combat Aviation Brigade, TA 14, FC	n/a	Downrange Fort Carson	FC C	7/7/2023	

USAG Fort Carson NEPA Project Number(s) & Project Title	USAG Fort Carson	Location (APE)	Exemption(s) Used	Date(s) Reviewed	Remarks
2023-211 FY23 4th Quarterly Advisory REC for Training on FC and PCMS	DPT23QTR4	Main Post Downrange Fort Carson PCMS Numbered TAs PCMS Lettered TAs PCMS Training Area A	BE I.C3 FC A FC B FC C PC B1 PC B1 PC B2 PC B3 PC C1 PC C2 PC D1 PC D2	7/11/2023	Per Fort Carson Regulation 200-1, each quarter the Record of Environmental Consideration (REC) for training will be updated. This quarterly training REC covers use of established ranges, drop zones, landing zones, and other training facilities; maneuver training (mounted, dismounted, and aerial); excavation training; etc. It does not cover brigade-sized training exercises, which are reviewed separately. In addition, excavation training is reviewed by the Cultural Resources Program on a case-by-case basis. Updated GIS layers of protected resources restrictions, as well as Standard Operating Procedures (SOPs) and cultural resources awareness training briefs for Fort Carson and PCMS are provided to DPTMS for planning purposes.
2023-218 HHC, 4th Engineer Battalion	n/a	Downrange Fort Carson	FC C	7/14/2023, updated on 7/20/2023	
2023-220 HHC, 64 Brigade Support Battalion 3rd Armored Brigade Combat Team, 4th Infantry Division	n/a	Downrange Fort Carson	FC C	7/20/2023	
2023-224 Prairie Dog Control and Treatment REC for FY23 Additional Sites	DPW23-085	Main Post Downrange Fort Carson PCMS Numbered TAs	BE I.B3 BE I.C2 FC D2b PCMS B4b2	7/27/2023	Proposed work includes: additional sites for prairie dog control
2023-337 RPR Insulation Range 143 Building IMPRC F1	DPT21-007	Downrange Fort Carson	FC D1b	8/17/2023	
2023-239 RPR Roofs Range 143 Multiple	DPT22-013	Downrange Fort Carson	FC D1b	8/21/2023	Proposed work includes: the repair of multiple roofs of troop barracks on range 143

USAG Fort Carson NEPA Project Number(s) & Project Title		USAG Fort Carson	Location (APE)	Exemption(s) Used	Date(s) Reviewed	Remarks
2023-234 FPO Prescribed Fire Burn, TA16, TA17 and TA20		DPW23-086	Downrange Fort Carson	FC D2b	8/28/2023	Proposed work includes: prescribed burns in various locations
2023-272 REMOVE/REGRADE SOIL STOCK PILE AT COTTONWOOD JUNCTION		DPW24-040	Downrange Fort Carson	FC D1d FC D2c	9/13/2023	Proposed work includes: the removal and regrading of a soil stock pile
2023-282 Dig Request for Training at TAs 30 and 31 on Fort Carson, 2-8 Nov 2023		N/A	Downrange Fort Carson	FC C	9/25/2023	
2023-271 Reroute Outside Plant Fiber on Route #11		DIR23-016	Downrange Fort Carson	FC D1a FC D1b	9/25/2023	
2023-287 FY24 1st Quarterly Advisory REC for Training on FC and PCMS			Main Post	BE I.C3 FC A FC B FC C	9/27/2023	
			Downrange Fort Carson	PC B1 PC B2 PC B3		
		DPT24QTR1	PCMS Numbered TAs	PC C1 PC C2		
			PCMS Lettered TAs PCMS Training Area A	PC D1 PC D2		
2023-291 *FPO* Fort Carson Firebreak Thinning		DPW24-069	Main Post Downrange Fort Carson	FC D2b BE I.B3	9/27/2023	
2023-294 Dig Request for Training at RG 155 on Fort Carson, 14-17 Nov 2023		N/A	Downrange Fort Carson	FC C	9/28/2023	
2023-297 Draft Final DOPAA for the PEA for MPF Fielding and Stationing at Multiple Installations		N/A	Downrange Fort Carson	FC A FC B PC B1 PC B2	9/29/2023	

Enclosure 2

ENCLOSURE 2:
Fort Carson Built Environment PA TASK TRACKER
(CURRENT AS OF SEPTEMBER 30, 2023)

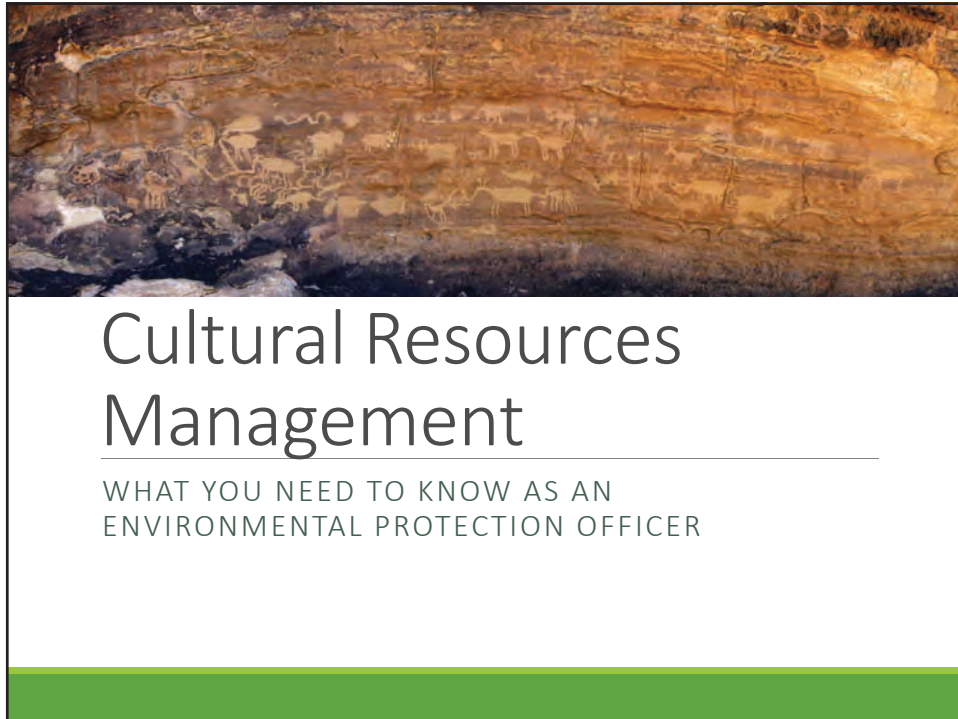
Stipulation	Action	Duration	Date Required	Remarks
I.A.1	GIS shapefiles and master site index provided to SHPO	90 days after signing	7/22/2014	Completed; provide updates as necessary
I.A.2	Cultural resources documentation submitted to SHPO	180 days after signing	10/20/2014	Completed; provide updates as necessary
I.A.3	SHPO notifies USAG that information baseline has been created and request any missing information	1 year after completion of I.A.2	4/02/2015	Completed
I.A.4	USAG and SHPO consult to address any data discrepancies	180 days after completion of I.A.3	7/05/2016	Completed (HC #63877); consult as needed on any data discrepancies that may arise.
I.A.4	Implement agreeable terms to reconcile discrepancies	3 years after completion of I.A.4 task above	7/05/2016	Completed (HC #63877).

Stipulation	Action	Duration	Date Required	Remarks
I.B	Complete documentation on needs data sites or implement a protection measure	3 years after signing	04/22/2017	Completed FY19: Contract awarded in September 2018 to develop research designs for 71 sites. Research designs for 32 sites are being reviewed by the CRM. Research designs for 39 sites were submitted for SHPO review. Comments are being addressed. Project is ongoing. FY20: Contract awarded in September 2019 to evaluate 58 isolated finds. Fieldwork has been completed. Technical report and site documentation were submitted to SHPO 20 March, 2023. Project is complete. FY20: Contract awarded in September 2019 to conduct a traditional use study of the Hogback. Site visits are complete and the report is forthcoming. Project is ongoing. 567 resources have been determined "needs data," with which SHPO concurs. Research designs are being drafted for 71 of these sites located within the primary maneuver areas and along canyon rims. Documentation and evaluation to modern-day standards of an additional 58 of these resources (categorized as isolated finds) is complete. SHPO (82705) concurred that 57 of the 58 resources were Officially Not Eligible, and 5LA2424 is still a Needs Data site. Protection strategies have been implemented at the "Needs Data Sites."
I.B.1	SHPO concurrence with NRHP eligibility determinations from re-evaluations	60 days after submission	TBD	

Stipulation	Action	Duration	Date Required	Remarks
I.D	Continue consultation with Tribes concerning site protection, monitoring frequencies, and TCPs and sacred sites identification	Ongoing action	n/a	Consultation meeting was held in person April 5, 2023 through April 7, 2023. In attendance were representatives from the Cheyenne and Arapaho Tribes of Oklahoma, Cheyenne River Sioux, Comanche Nation of Oklahoma, Jicarilla Apache Nation, Pawnee Nation of Oklahoma, Rosebud Sioux Tribe, and Standing Rock Sioux.
III.A	Implement site protection measures		04/22/2017	415 of 1,200 protected sites have a protection fence, Seibert markers, boulders, or combination; 191 have corner markers only; 126 are terrain protected (i.e. no vehicle access); all others are administratively protected.
III.B	Propose amended site protection measures and monitoring frequencies	As needed	n/a	No proposed changes during reporting period
III.D	Provide training vehicles/aircraft with means of knowing site locations	1 year after signing	04/22/2015	Completed; update as necessary
IV.A	Monitor protected cultural properties	Ongoing action	n/a	Working with Fort Carson Conservation Law Enforcement Officers to conduct routine inspections.
V.A	Implement cultural awareness training of all personnel involved in the execution of undertakings	Annually	n/a	Cultural resources awareness training is part of the annual mandatory training for Soldiers, Civilians, and contractors.
VI.C	Annual meeting with consulting parties	Annually	NLT Feb. 15 th	Consultation meeting was held virtually on January 11, 2023. In attendance were representatives from the Colorado SHPO, Colorado Preservation, Inc., Jicarilla Apache Nation, Las Animas County Commissioners, Northern Arapaho Tribe, Otero County Commissioners, Pawnee Nation of Oklahoma, Southern Ute Indian Tribe, and Standing Rock Sioux.

Stipulation	Action	Duration	Date Required	Remarks
VII.AG	Implement terms through policies and ICRMP	Ongoing action	n/a	ICRMP signed by Garrison Commander on 05/01/2017. The ICRMP renewed for FY23 with no changes. Additional updates will be completed as the CRM moves through the Army Alternate Procedures.

Enclosure 3:
Examples of Cultural Resources Awareness Training Materials



Course Objectives

You will learn:

1. What are cultural resources?
2. Why is it important to protect cultural resources?
3. What are the legal requirements?
4. What are your responsibilities?
5. Where can you learn more?



Fort Carson Cultural Resources Management Program

Mission:

"To support military training requirements, achieve regulatory compliance, and ensure stewardship responsibilities are met."



Goals:

1. Support sustainable training
2. Reduce/eliminate access restrictions due to resource protection
3. Protect significant cultural resources from adverse effects
4. Conserve cultural resources and their information for future generations
5. Increase cultural resource appreciation
6. Contribute to our understanding of culture, history, and archaeology at the local, regional, and national levels

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3

Fort Carson Cultural Resources Management Program

Objectives:

- Provide accurate data regarding access restrictions
- Monitor cultural resources for impacts
- Implement protective measures
- Implement conservation measures
- Integrate cultural resources management with Installation operations
- Consult with external stakeholders
- Sustain public outreach



Tribal representatives discuss the importance of a rock art panel.

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4

What are Cultural Resources?

Definition:

Non-renewable remnants of past human activities that have cultural or historical value and meaning to a group of people or a society

Or simply:

The stuff we leave behind



Cultural resources can be thousands of years old, hundreds of years old, or from the more recent past.

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Cultural Resources Examples:



- Rock art, i.e. petroglyphs (carvings) and pictographs (paintings)
- Archaeological sites
- Historical buildings, structures, and objects
- Historical roads and trails
- Sacred sites and traditional cultural properties
- Human burials
- Artifacts
- Ruins



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Fort Carson's Cultural Resources

Fort Carson (as of August 2017):

- 2,385 Cultural Resources
- 1 Listed National Register District
- 133 Eligible
- 68 Needs Data
- 2,165 Not Eligible
- 18 No Official Determination



PCMS (as of August 2017):

- 6,248 Cultural Resources
- 573 Eligible
- 660 Needs Data
- 4,999 Not Eligible
- 16 No Official Determination



Complex and Simple Habitation Sites
 Temporary Field Camps
 Stone Artifact Scatters/Quarry Locations
 Food Procurement/Processing Sites
 Rock Art Panels (Prehistoric & Historic)
 Historic Ranches/Farmsteads
 Military Construction (1942-Present)
 Stage Station/Mail Route Remnants
 Small Mining Operations

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Why is it Important to Protect Cultural Resources?

- They provide information regarding **our** heritage, **our** practices, and **our** beliefs.
 - Contributes to **our** sense of place and identity
- These areas may have profound religious and spiritual significance to Native American tribes and other ethnic groups.
- Sacred Native American sites are rooted in the history of their people and maintain the continuity of traditional beliefs and practices.
- By preserving, protecting, and respecting cultural resources, you ensure these resources are available for future generations
 - Non-renewable resource – **once destroyed, can never be restored**
- It is **our** duty, as the land manager to be good stewards, ensuring compliance with all environmental and cultural laws and regulations.

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Another Reason for Protecting Cultural Resources...

BECAUSE IT'S THE LAW!

National Historic Preservation Act (NHPA)

Archaeological Resources Protection Act (ARPA)

Native American Graves Protection and Repatriation Act (NAGPRA)

American Antiquities Act of 1906

American Indian Religious Freedom Act

Army Regulation 200-1

And more...

And some of these laws, such as the Archaeological Resources Protection Act, carry criminal and civil penalties.

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Section 106 of the National Historic Preservation Act (NHPA)

- Section 106 of the NHPA requires us to consider the effects of our actions on historic properties.
 - Historic properties are any cultural resource that is listed in or is eligible for inclusion in the National Register of Historic Places (NRHP)
 - NRHP – list of cultural resources determined to be significant to the national, state, regional, or local history
- How **You** Can Comply with Section 106:
- Follow the Standard Operating Procedures (SOPs) in the Integrated Cultural Resources Management Plan (ICRMP)
 - SOP No. 1: Section 106 Compliance for Project Proponents
 - SOP No. 2: Mission Training of Military and Tenant Personnel
 - SOP No. 3: Emergency Operations

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What Happens When We Do Not Comply with NHPA Section 106?

- Colorado State Historic Preservation Officer contacts the Advisory Council on Historic Preservation (ACHP)
- ACHP contacts the Secretary of the Army
- Garrison Commander must answer to the Secretary of the Army on why we foreclosed on the consultation process
- Then, it falls to **YOU** to answer why
- Lawsuits can be filed by Tribes, other interested parties, and the public
 - Comanche Nation v. United States
 - Pueblo of Sandia v. United States
 - National Trust for Historic Preservation v. Department of State
 - City of Grapevine v. Department of Transportation
 - Paulina Lake Historic Cabin Owners Association v. U.S. Forest Service

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Scenario 1: Comanche Nation vs. United States

- Fort Sill proposed to constructed a 43,000 sq ft Training Support Center (TSC) warehouse (\$7.3 million) 1,662 ft southwest of the southern boundary of the Medicine Bluffs National Historic Feature
- Medicine Bluffs is a sacred site/TCP that is listed in the NRHP
- Fort Sill sent the draft final Environmental Assessment in Sep 2006
- Section 106 consultation letters mailed in Aug 2007
 - Comanche Nation requested more information and voiced concerns in correspondence dated Aug 2007, Oct 2007, Feb 2008, May 2008, & July 2008
- Construction of TSC began Aug 2008
- Comanche Nation filed a lawsuit in 15 Aug 2008
- Construction of TSC at new location in Oct 2009

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Scenario 1: Comanche Nation vs. United States

Comanche Nation asserted Fort Sill:

- Violated the Religious Freedom Restoration Act – building the TSC warehouse at the proposed location would interfere with the exercise of the Tribe’s religious beliefs
- Violated the NHPA – Fort Sill failed to make a “reasonable and good faith effort” to consult to identify and resolve adverse effects

Outcome

- Project stopped and moved to another location
- \$650,000 lost on project costs and unknown \$\$\$ spent on legal costs
- Case is a precedent

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Archaeological Resources Protection Act

- Knowingly damaging an archaeological resource is a violation of the Archaeological Resources Protection Act (ARPA)
 - Includes looting, digging within a site, graffiti or other defacement, removing cultural features, etc.
- ARPA carries up to **\$100,000 fine** and **1 year in jail** for 1st offense



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Scenario 2: Graffiti

- Sep 2013 – archaeologists observed graffiti at a sacred site/TCP at the PCMS
- Led to an Article 15-6 investigation
- Now used as an example of what not to do
- **Graffiti is not tolerated anywhere, any time**
- Defacing federal property is against the law
 - Destruction of Government Property (18 U.S.C §§ 1361-1363) – up to \$250,000 fine, 10 years imprisonment, or both
 - ARPA
- Anyone caught defacing government property (buildings, rock faces, etc) will be prosecuted



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5

How Can You Help Protect and Preserve Cultural Resources?

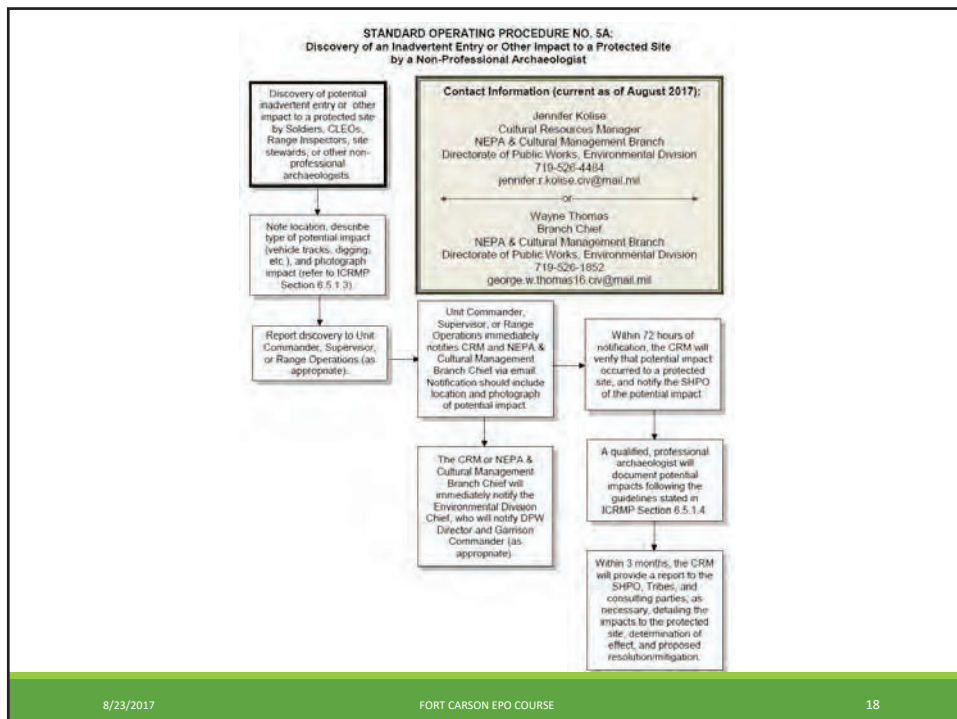
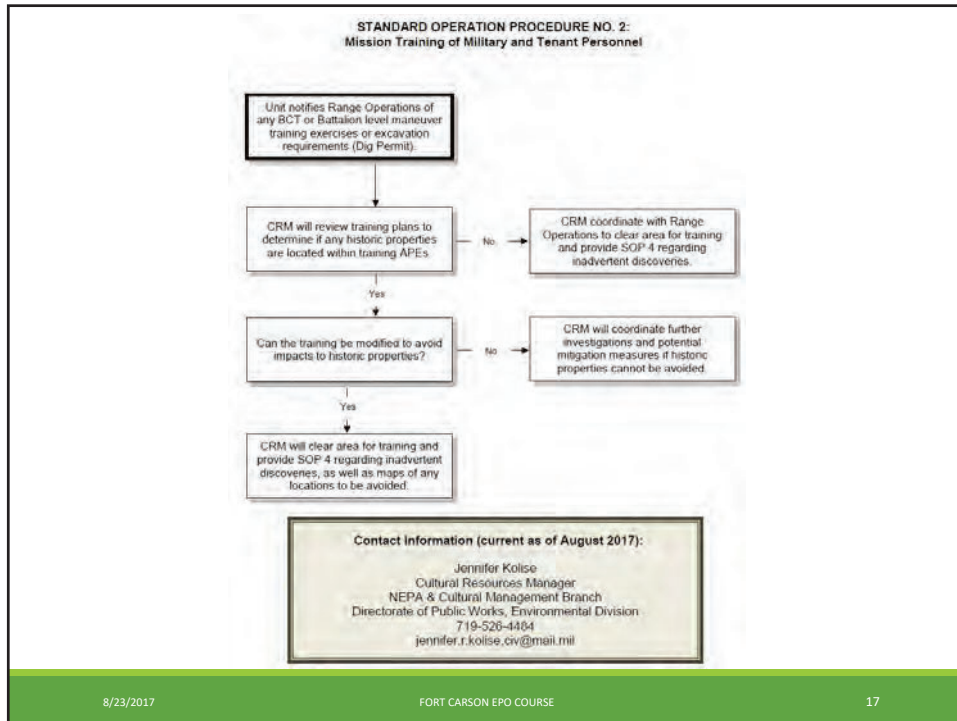
DO:

- Coordinate land use with Range Operations to ensure you are in an approved area.
 - **Especially excavation training (dig permit)**
 - Refer to ICRMP SOP No. 2
- Obey maneuver damage, environmental, and cultural resources protection policies and procedures.
- Observe posted signs, fencing, and Seibert marking indicating restricted areas that may be off-limits to vehicles, digging, bivouacking or other activities.
- Report any signs of looting, vandalism, or other damage to a cultural site to Range Operations and/or the Cultural Resources Manager (CRM).
 - Refer to ICRMP SOP No. 5A
- Stay vigilant!

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How Can You Help Protect and Preserve Cultural Resources?

DON'T:

- Collect any artifacts, including arrowheads and bottles.
- Disturb stone circles, rock mounds, ruins, or other cultural features, including using stones from cultural features to create defensive positions or resting areas.
- Lean against, sit on, or step on rock mounds, rock walls, ruins, or other cultural features.
- Touch or deface rock art or historical structures.
- Trespass in historical structures.

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If you find artifacts, bones, or other possible cultural items...

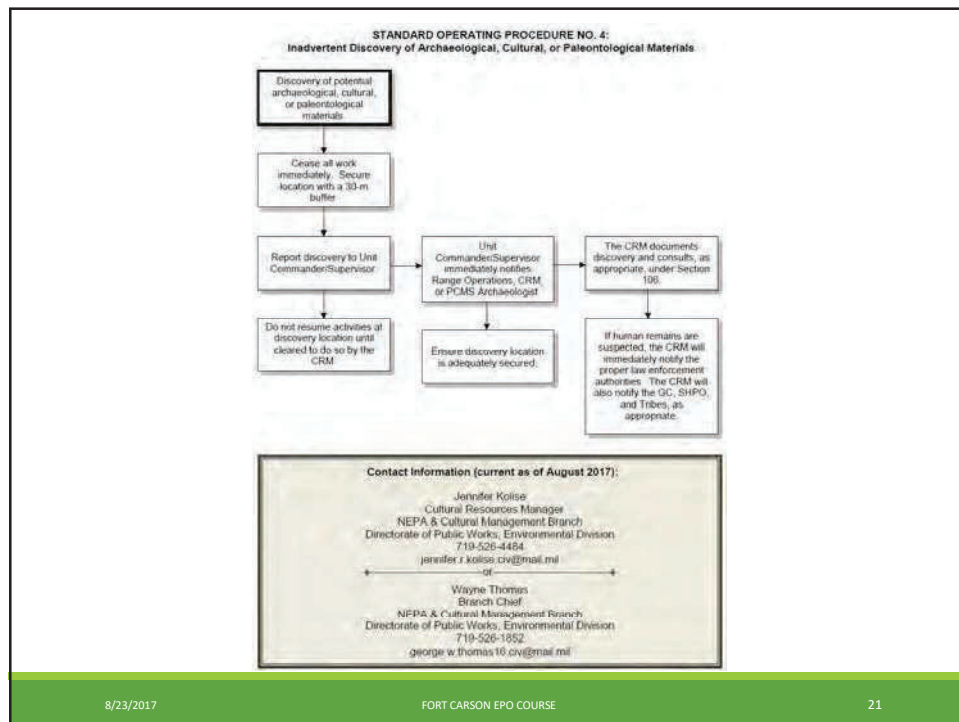
STOP WORK IMMEDIATELY

- Flag a protective buffer around the location of the discovery.
- Report the discovery to:
 - Fort Carson Range Operations (719-526-5698) or PCMS Range Operations (719-503-6120); and/or
 - Fort Carson CRM (719-526-4484) or PCMS Archaeologist (719-503-6136)
- You will be notified when you can proceed.

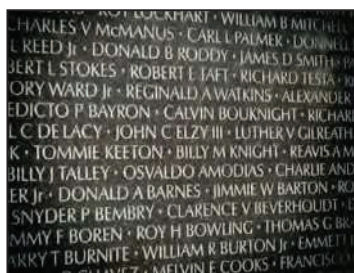
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What is the Harm in Taking a Souvenir?

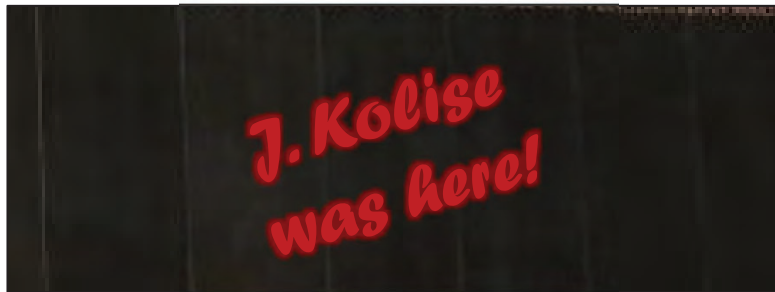


If every person who visited the Vietnam Memorial decided to take one name off as a souvenir, eventually there would be nothing left.

The same is true with archaeological sites. If everyone who visited a site took an arrowhead or bottle, eventually there would be nothing left that would give us information about the people who lived there. **OUR HERITAGE WOULD BE LOST!**



What's Wrong with this Picture?



Seriously...where's the harm in leaving your legacy somewhere?

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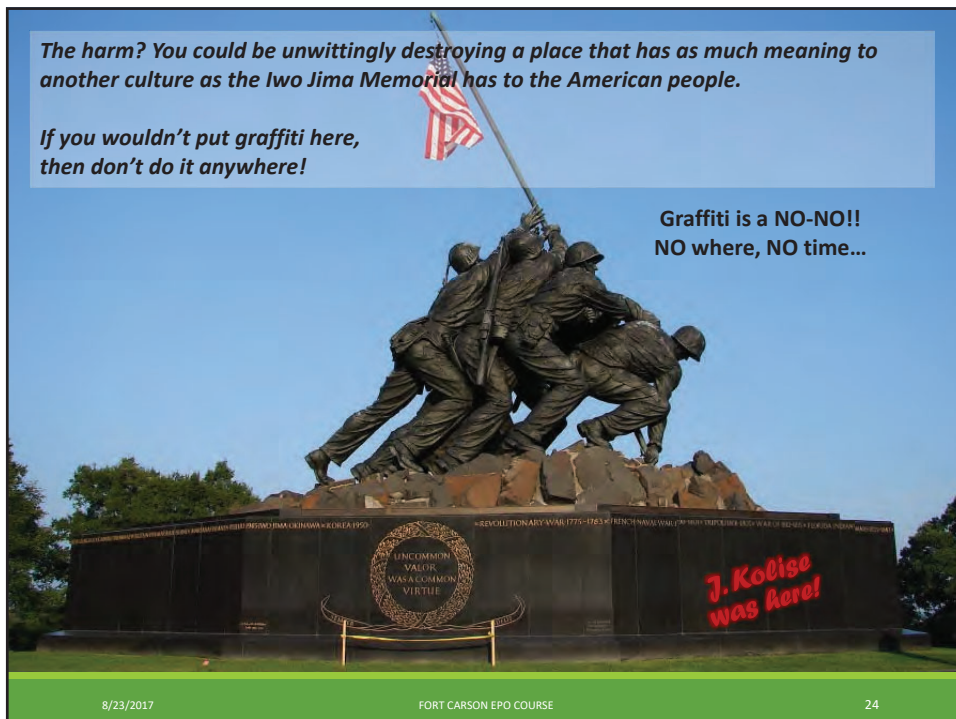
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The harm? You could be unwittingly destroying a place that has as much meaning to another culture as the Iwo Jima Memorial has to the American people.

If you wouldn't put graffiti here, then don't do it anywhere!

Graffiti is a NO-NO!!
NO where, NO time...

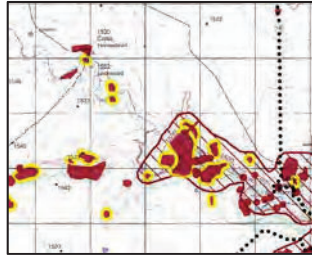


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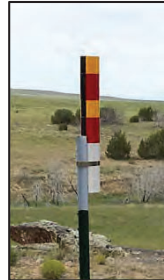
Site Protection Measures



Protected Resources JCR Map

Red = unmarked restricted area
 Red with yellow outline = marked restricted area
 Red hash-marked area = dismantled training only
 White line through restricted area = authorized travel corridor

No digging or mounted maneuvers within protected areas



Seibert Marker

Red, yellow, and white 3M reflective tape
 Black stripe points to inside of restricted area.



Protection Fences with Restricted Access Signs



Seibert Markers and Boulders

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Where Can You Learn More?

Integrated Cultural Resources Management Plan (ICRMP)

- Fort Carson-specific tool for the management of cultural resources
 - Outlines program obligations, goals, priorities, and SOPs
- Chapter 7 contains the SOPs relevant to your job
 - SOP No. 1: Section 106 Compliance for Project Proponents
 - SOP No. 2: Mission Training of Military and Tenant Personnel
 - SOP No. 3: Emergency Operations
 - SOP No. 4: Inadvertent Discovery of Archaeological, Cultural, or Paleontological Materials
 - SOP No. 5A: Discovery of an Inadvertent Entry or Other Impact to a Protected Site by a Non-Professional Archaeologist
- Where can it be found?
 - <https://www.carson.army.mil/organizations/dpw.html#three>

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Main Points to Remember

- Cultural resources are non-renewable.
- Obey cultural resources laws and regulations
- Follow Fort Carson-specific guidance and SOPs outlined in the ICRMP
- No digging or mounted maneuvers within protected areas
- Use established travel corridors through protected areas
- Leave cultural resources as you found them
- Report any suspected looting, vandalism, site entries, etc., immediately to Range Operations and/or the CRM
- We are here to help you: 526-4484 (CRM) or 503-6136 (PCMS Archaeologist)

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The Army is legally required to protect and manage cultural resources.

A. True

B. False

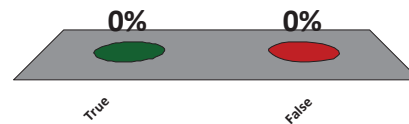
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The Army is legally required to protect and manage cultural resources.

- A. True
- B. False



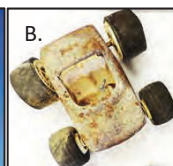
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29

Which of the following would be considered a cultural resource?

- A. Trail
- B. Toy
- C. Building
- D. Rock formation
- E. B & C only
- F. C & D only
- G. All of the above
- H. None of the above



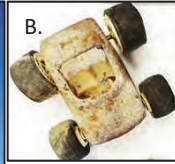
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Which of the following would be considered a cultural resource?

- A. Trail
- B. Toy
- C. Building
- D. Rock formation
- E. B & C only
- F. C & D only
- G. All of the above
- H. None of the above



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31

While digging a tank ditch, you find an arrowhead and other stone chips. What should you do first?

- A. Call Range Control or the CRM immediately.
- B. Cover it back up and say nothing.
- C. Put the arrowhead in your pocket. It would be a nice addition to your collection.
- D. Stop all work immediately, and place a buffer around the area.

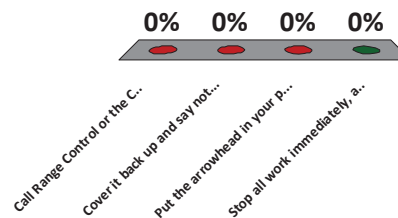
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32

While digging a tank ditch, you find an arrowhead and other stone chips. What should you do first?

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- C. Put the arrowhead in your pocket. It would be a nice addition to your collection.
- D. Stop all work immediately, and place a buffer around the area.



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You cannot be prosecuted for unknowingly defacing an archaeological site on an Army installation.

- A. True
- B. False

8/23/2017

FORT CARSON EPO COURSE

34

You cannot be prosecuted for unknowingly defacing an archaeological site on an Army installation.

A. True

B. False



8/23/2017

FORT CARSON EPO COURSE

35

CULTURAL RESOURCES

POTENTIAL HAZARDS AND ENVIRONMENTAL CONCERNS

Cultural resources are remnants of past human activities that have cultural or historical value and meaning to a group of people. A resource can be thousands of years old, hundreds of years old, or from the more recent past. Examples include: rock art and carvings; archaeological sites; historic buildings, structures or objects; historic roads and trails; Native American sacred sites and traditional cultural properties; human burials; artifacts; and ruins. As a land manager, it is our duty to be good stewards, ensuring compliance with all environmental and cultural requirements, laws, and regulations. Violation of cultural resources protection laws can result in civil and criminal penalties, monetary fines, and imprisonment.

HANDLING PROCEDURES

☆	Coordinate land use with Range Control Operations to ensure you are in an approved area.	 Pictured above are various cultural resources that have been recorded on Fort Carson and PCMS.
☆	Observe posted signs, fencing, and Seibert marking that indicate restricted areas which may be off-limits to vehicles, digging, bivouacking, or other high impact activities.	
☆	Do not collect artifacts, including arrowheads and bottles. Do not disturb stone circles, rock mounds, ruins, or other cultural features. Do not touch or deface rock art, or scratch on rocks or objects of any kind.	
☆	Do not trespass in historic structures even when not marked.	  Graffiti, as seen in the photograph above, can irreparably harm the integrity of a site. There is no way to remove the graffiti without doing further damage to the site. The yellow, red, and white Seibert markers indicate areas where vehicles, digging, or bivouacking are not allowed.
☆	Report any signs of looting, graffiti, or other damage to a cultural site to Range Control Operations or Cultural Resources staff.	
☆	No graffiti anywhere, anytime.	
☆	If buried artifacts, bones, or other cultural items are found, stop work immediately, flag a protective buffer around the location of the discovery, and report the discovery to Range Control Operations or Cultural Resources staff.	

GENERAL INFORMATION

For additional information concerning cultural resources, contact the Fort Carson Cultural Resources Manager at 526-4484 or the PCMS Archaeologist at 503-6136.
 Range Control Operations: Fort Carson 526-5698 / PCMS 526-6123 or 6130
 Reference: [Fort Carson Regulation 200-1](#).

Soldiers who have been designated to the Observer-Controller Team for a brigade exercise must go through special training. This brief covers environmental considerations, including cultural resources, and is usually provided by the Fort Carson Cultural Resources Manager. It is adapted for each specific brigade exercise.

OPERATION ARETE OC TEAM BRIEF

ENVIRONMENTAL CONSIDERATIONS

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TOPICS

Protected Resources

Wildlife Guidance

Cultural Resources Guidance

Spill Response

OPERATION ARETE Dig Request Process

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WHAT IS A PROTECTED RESOURCE?

- Not just protected archaeological sites (or cultural resources), but also...
- Protected natural resource area
- Critical infrastructure
- Human health and safety concern

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CULTURAL RESOURCE EXAMPLES



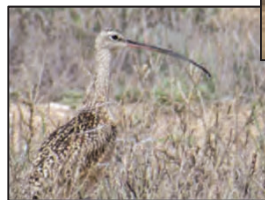
- Rock art, i.e. petroglyphs (carvings) and pictographs (paintings)
- Archaeological sites
- Historical buildings, structures, and objects
- Historical roads and trails
- Sacred sites and traditional cultural properties
- Human burials
- Artifacts
- Ruins

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NATURAL RESOURCE EXAMPLES

- Migratory bird nesting sites
- Golden eagle nesting sites
- Critical habitat for threatened / endangered species



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CRITICAL INFRASTRUCTURE EXAMPLES

- Windmills and associated wells & tanks
- Solar panels
- Pipelines
- Utility lines
- Erosion control dams



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HUMAN HEALTH & SAFETY CONCERN EXAMPLES

- Contaminated areas
- Open pits / wells / mine shafts
- Steep drop offs



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COMPLIANCE REQUIREMENTS FOR PROTECTED RESOURCES

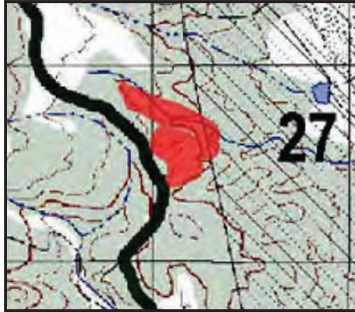
- No vehicles allowed
- No excavation allowed
- No bivouacking allowed
- No aerial maneuvering allowed within 100 meters
- Travel allowed only on approved travel corridors through the area as shown on the map

Best Practice: While operating a vehicle, implement a 30-meter stand-off distance from the perimeter of the protected resource as depicted on the map.

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PROTECTED RESOURCES MAP SYMBOLS: UNMARKED PROTECTED RESOURCE



Symbol: Area polygon with red-filled interior

Definition: Protected resource that lacks marking or is partially marked (Seibert markers, protection fencing with signs, or combination of both)

Caveats: Ensure the entire red perimeter is avoided at all times by vehicles. **Do not simply rely on the observed Seibert markers and/or fencing.**

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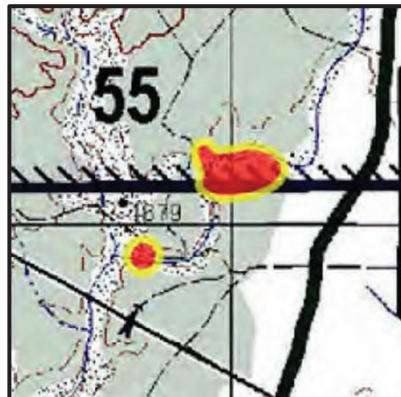


PROTECTED RESOURCES MAP SYMBOLS: MARKED PROTECTED RESOURCE

Symbol: Area polygon with red-filled interior and yellow outline (halo)

Definition: Protected resource that is completely marked with Seibert markers, protection fencing with signs, or a combination of both

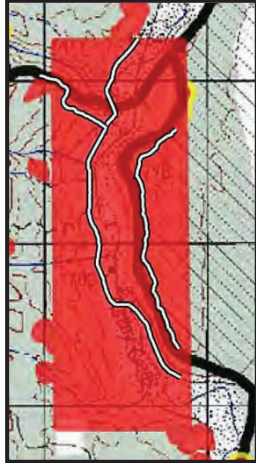
Caveats: Ensure the yellow outside perimeter is avoided at all times by vehicles. **Do not simply rely on the observed Seibert markers and/or fencing.**



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PROTECTED RESOURCES MAP SYMBOLS: AUTHORIZED TRAVEL CORRIDOR



Symbol: White line interior and black outline

Definition: Corridors approved for travel through protected resources

Caveat: No off-road travel allowed within the protected resource. **Stay on the approved, existing corridor only.**

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PHYSICAL PROTECTION MEASURES



Seibert Marker

Red, yellow, and white 3M reflective tape
Black stripe points to inside of restricted area.



Protection Fences with Restricted Access Signs



Boulders

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INADVERTENT ENTRY / IMPACT

- Inform Range Operations **immediately** of any inadvertent entries into or other impacts to a protected resource.
- Note conditions and how / why the entry or impact occurred.
 - This information helps prevent future entries or impacts.

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NATURAL RESOURCES GUIDANCE

Refer to Fort Carson Environmental Battle Book, v 5.1, DEC 2016

- Page 77, “Wildlife (Dangerous): Bears / Mountain Lions / Rattlesnakes / Coyotes”
- Page 78, “Wildlife (Migratory Birds): Songbirds / Raptors / Ravens / Etc.”
- Page 79, “Wildlife (Problem Critters): Raccoons / Skunks / Rodents / Non-Venomous Snakes / Etc.”
- Page 80, “Wildlife (Sensitive or T&E Species): Prairie Dogs / Burrowing Owls”

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NATURAL RESOURCES GUIDANCE

- Military training activities are **not** exempt from the Migratory Bird Treaty Act, but are authorized for incidental take under the 50 CFR Part 21.
- Nesting birds should be avoided when possible.
- Avoid digging or bivouacking in prairie dog colonies due to potential plague exposure.
- Contact the Wildlife Biologists or Conservation Law Enforcement Officers for any wildlife issues (e.g. snake removal, injured animal, incidental take).

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NATURAL RESOURCES GUIDANCE

- Do not crush or cut trees unnecessarily.



This tree was approximately 200 years old.
 This was avoidable.



Stock tanks provide drinking water for wildlife.

- Do not run over stock tanks or guzzlers.

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CULTURAL RESOURCES GUIDANCE

Refer to Fort Carson Environmental Battle Book, v 5.1, DEC 2016, page 31, "Cultural Resources" and Chapter 7 of the Integrated Cultural Resources Management Plan.

- Observe posted signs, fencing, and Seibert marking. No digging, bivouacking, mounted maneuvers, etc. within these areas.
- Do not collect artifacts.
- Do not disturb stone circles, rock mounds, ruins, or other cultural features.
- Do not touch or deface rock art.
- Do not trespass in historic structures (safety hazard).

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CULTURAL RESOURCES GUIDANCE

- Report any signs of looting, graffiti, or other damage to Range Operations or Cultural Resources staff.
- No graffiti anywhere, anytime.



**You will not WRITE, PRINT, PAINT, STAMP
SCRATCH, PECK, OR CHALK ON ANY STONE
SURFACES, BUILDINGS / STRUCTURES
(HISTORIC OR MODERN), OR LATRINE
WALLS!!!!!!**

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IF YOU FIND ARTIFACTS, BONES, OR OTHER POSSIBLE CULTURAL ITEMS...

- Stop work immediately.
- Flag a protective buffer around the location of the discovery.
- Report the discovery to Range Operations.
- You will be notified when you can proceed.

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SPILL RESPONSE

Refer to Fort Carson Environmental Battle Book, v 5.1, DEC 2016, page 67, "Spill Clean Up and Reporting Oil/Hazardous Substance."

- Spill cleanup is the unit's responsibility.
- General response procedures:
 - Do not put personnel at risk.
 - Contain and report to your unit. Report location to Range Operations.
 - Spills of 5 gallons or more must be reported to Range Operations immediately.
 - Range Operations will contact the Fire Dept. Do not call 911 at PCMS.
 - Most spills are cleaned up by removing the contaminated soils.
 - Recovered contaminated soils will be transported to the PCMS Cantonment for disposal.

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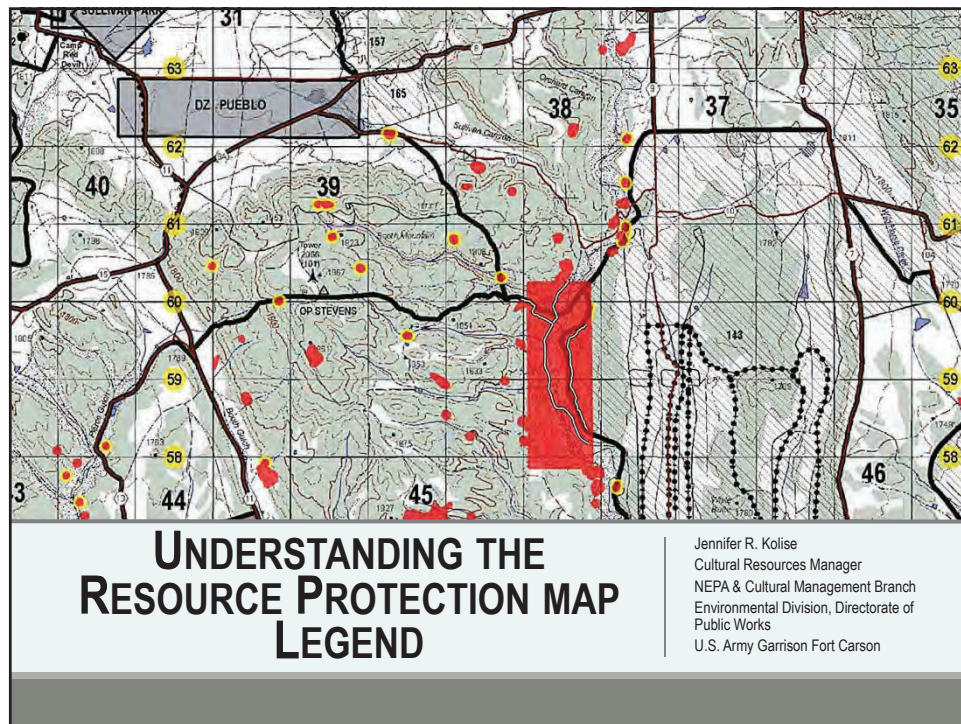


OPERATION ARETE STRIKE DIG REQUEST PROCESS

- Unit submits dig request through chain of command to HICON (type of excavation, method, and MGRS coordinates).
- HICON reviews request (approves or denies).
- If approved, unit digs and provides dig locations through chain of command back to HICON.
- Accurate reporting of dig locations facilitates Cultural Resource staff inspection and future land remediation.

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WHAT IS A PROTECTED RESOURCE?

- Protected natural resource area, such as critical habitat for a threatened & endangered species or a migratory bird nesting site
- Protected cultural resource area, such as archaeological sites, historic buildings, or burials
- Critical infrastructure
- Human health & safety concerns, such as radiation control areas, mine shafts, or steep cliffs

NATURAL RESOURCE EXAMPLES

- Critical habitat for threatened & endangered species
- Golden eagle nesting sites
- Migratory bird nesting sites



CULTURAL RESOURCE EXAMPLES



- Rock art, i.e. petroglyphs (carvings) and pictographs (paintings)
- Archaeological sites
- Historical buildings, structures, and objects
- Historical roads and trails
- Sacred sites and traditional cultural properties
- Human burials
- Artifacts
- Ruins

CRITICAL INFRASTRUCTURE EXAMPLES

- Windmills and associated wells & tanks
- Solar panels
- Pipelines
- Utility lines



HUMAN HEALTH & SAFETY CONCERN EXAMPLES

- Environmental contamination areas, e.g. radiation control areas & asbestos contaminated areas
- Open pits, wells, & mine shafts
- Steep drop offs

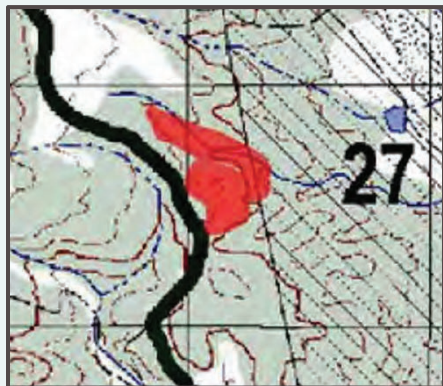


COMPLIANCE REQUIREMENTS

- No vehicles allowed
- No excavation allowed
- No bivouacking allowed
- No aerial maneuvering allowed within 100 meters
- Travel allowed only on approved travel corridors through the area as shown on the map

Best Practice: While operating a vehicle, implement a 30-meter stand-off distance from the perimeter of the protected resource as depicted on the map.

STANDARDIZED SYMBOL: UNMARKED RESOURCE



Symbol: Area polygon with red-filled interior

Definition: Protected resource that lacks marking or is partially marked (Seibert markers, protection fencing with signs, or combination of both)

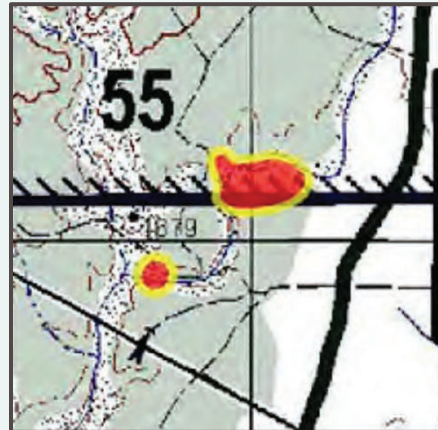
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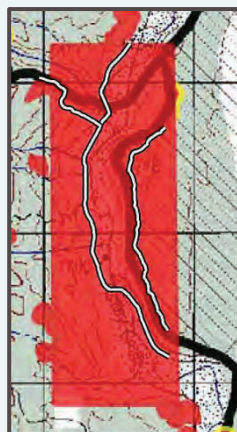
Symbol: Area polygon with red-filled interior and yellow outline (halo)

Definition: Protected resource that is properly marked with Seibert markers, protection fencing with signs, or a combination of both

Caveat: Ensure the yellow outside perimeter is avoided at all times by vehicles. **Do not simply rely on the observed Seibert markers and/or fencing.**



STANDARDIZED SYMBOL: AUTHORIZED TRAVEL CORRIDOR THROUGH PROTECTED RESOURCE



Symbol: White line interior and black outline

Definition: Corridors approved for travel through protected resources

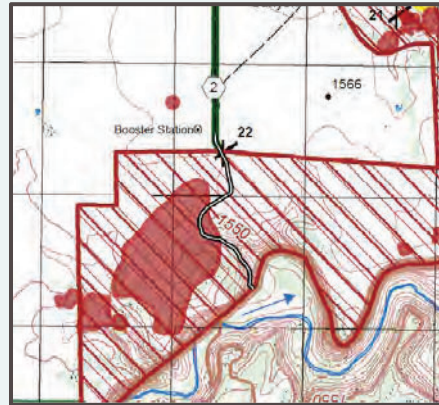
Caveat: No off-road travel allowed within protected resource. **Stay on the approved existing corridor only.**

STANDARDIZED SYMBOL: DISMOUNTED ONLY AREAS

Symbol: Area polygon with red crosshatch

Definition: Dismounted only training area all vehicles must stay on approved roads no off-road vehicle travel is authorized

Caveat: These areas do not conform to topography.



PHYSICAL PROTECTION MEASURES



Seibert Marker

Red, yellow, and white 3M reflective tape black stripe points to inside of restricted area.



Protection Fences with Restricted Access Signs



Boulders

USAFA Cadet Survival Training

ENVIRONMENTAL CONSIDERATIONS

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TOPICS

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Wildlife Guidance

Cultural Resources Guidance

Spill Response



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CULTURAL RESOURCE EXAMPLES



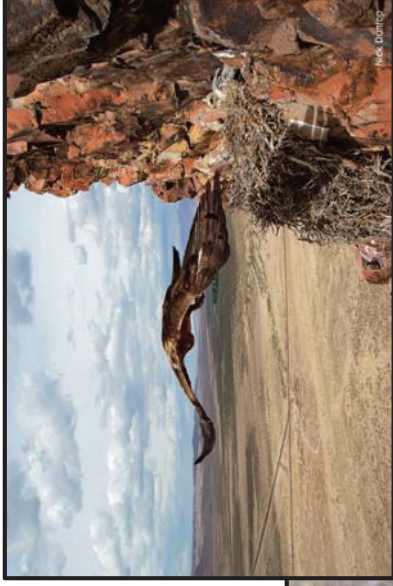
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CRITICAL INFRASTRUCTURE EXAMPLES

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- Erosion control dams



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FY23 Annual Report Fort Carson Down Range PA

HUMAN HEALTH & SAFETY CONCERN EXAMPLES

- Contaminated areas
- Open pits / wells / mine shafts
- Steep drop offs



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COMPLIANCE REQUIREMENTS FOR PROTECTED RESOURCES

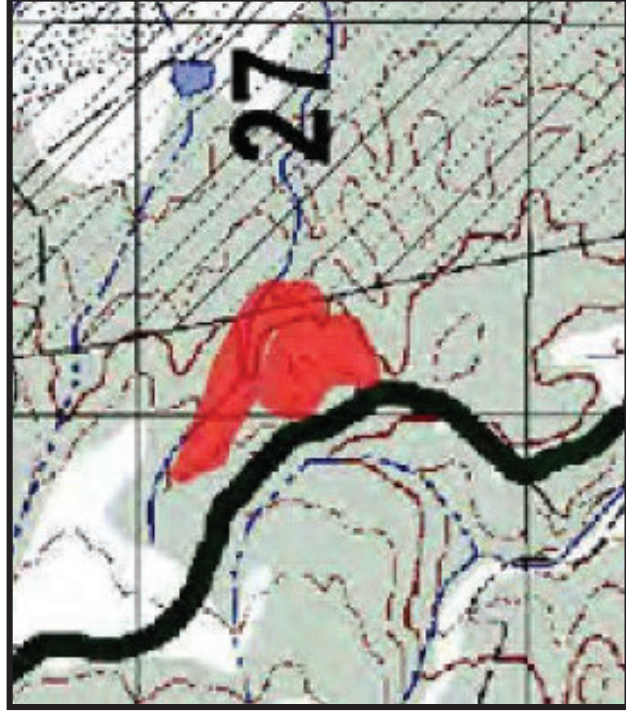
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Symbol: Area polygon with red-filled interior

Definition: Protected resource that lacks marking or is partially marked (Seibert markers, protection fencing with signs, or combination of both

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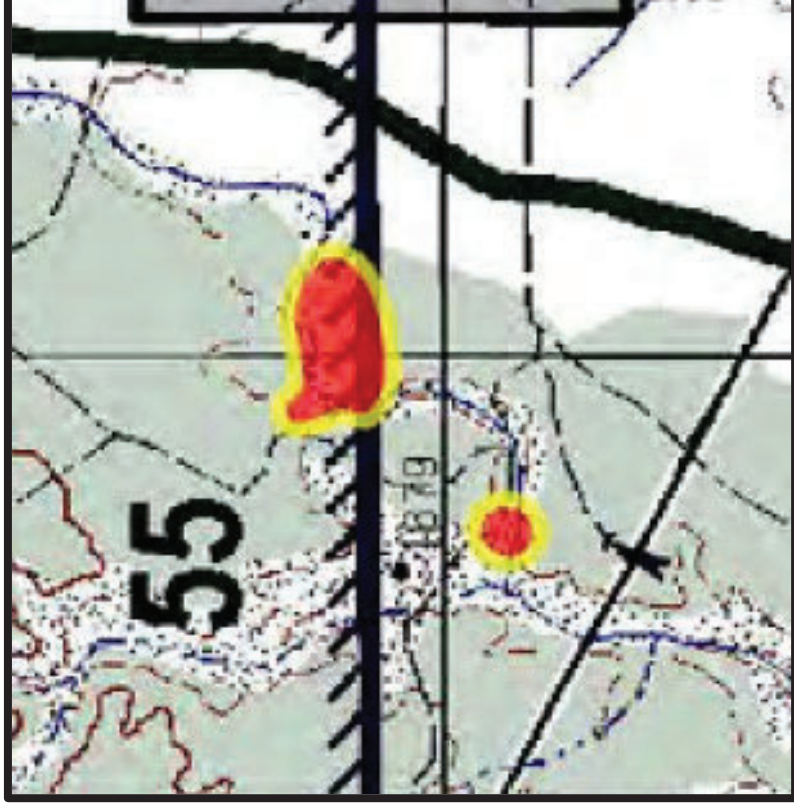


PROTECTED RESOURCES MAP SYMBOLS: MARKED PROTECTED RESOURCE

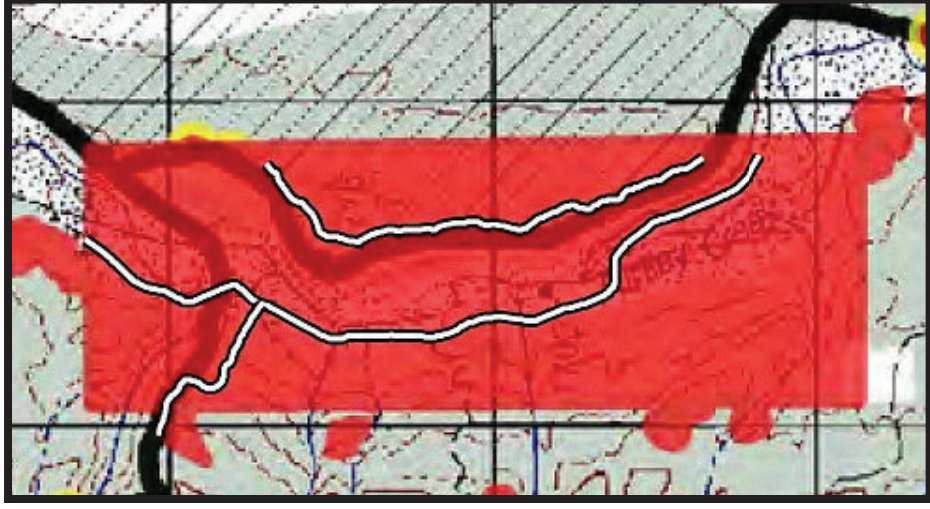
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Definition: Protected resource that is completely marked with Seibert markers, protection fencing with signs, or a combination of both

Caveats: Ensure the yellow outside perimeter is avoided at all times by vehicles. **Do not simply rely on the observed Seibert markers and/or fencing.**



PROTECTED RESOURCES MAP SYMBOLS: AUTHORIZED TRAVEL CORRIDOR



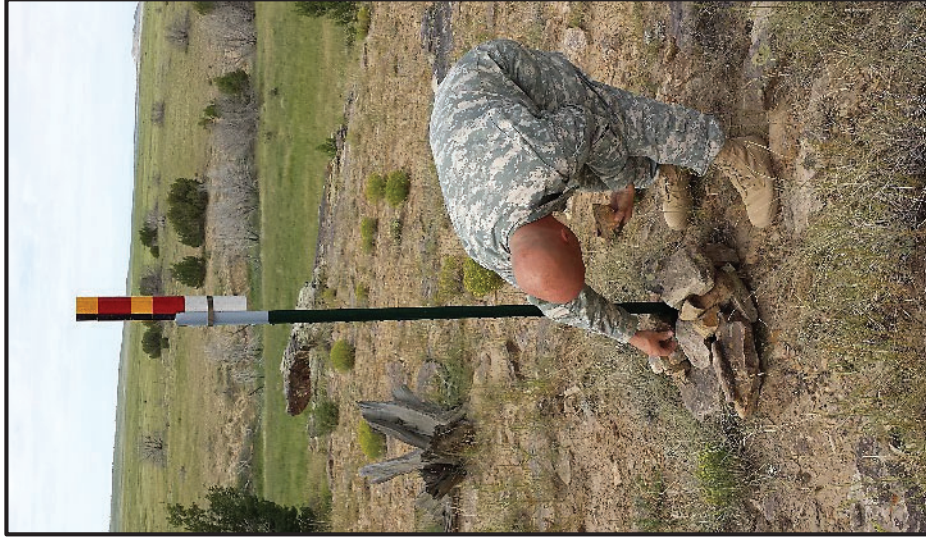
Symbol: White line interior and black outline

Definition: Corridors approved for travel through protected resources

Caveat: No off-road travel allowed within the protected resource. **Stay on the approved, existing corridor only.**



PHYSICAL PROTECTION MEASURES

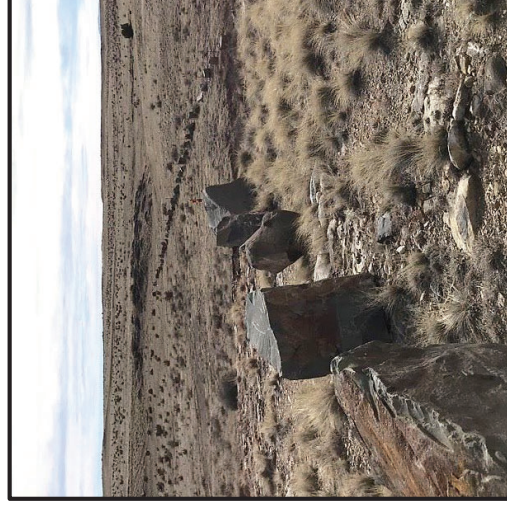


Seibert Marker

Red, yellow, and white 3M reflective tape
Black stripe points to inside of restricted
area.



Protection Fences with Restricted Access Signs



Boulders



Ben Zandarski, Cultural Resources Manager – 719-722-9321 – benjamin.zandarski.civ@army.mil
Kari Pittman, PCMS Archaeologist – 719-722-8789 – kari.m.pittman2.civ@army.mil
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INADVERTENT ENTRY / IMPACT

- Inform Range Operations **immediately** of any inadvertent entries into or other impacts to a protected resource.
- Note conditions and how / why the entry or impact occurred.
 - This information helps prevent future entries or impacts.

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NATURAL RESOURCES GUIDANCE

Refer to Fort Carson Environmental Battle Book, v 6.1, 2018

- Page 80, “Wildlife (Dangerous): Bears / Mountain Lions / Rattlesnakes / Coyotes”
- Page 81, “Wildlife (Migratory Birds): Songbirds / Raptors / Ravens / Etc.”
- Page 82, “Wildlife (Problem Critters): Raccoons / Skunks / Rodents / Non-Venomous Snakes / Etc.”
- Page 83, “Wildlife (Sensitive or T&E Species): Prairie Dogs / Burrowing Owls”



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NATURAL RESOURCES GUIDANCE

- Military training activities are **not** exempt from the Migratory Bird Treaty Act, but are authorized for incidental take under 50 CFR Part 21.
- Nesting birds should be avoided when possible.
- Avoid digging or bivouacking in prairie dog colonies due to potential plague exposure.
- Contact the Wildlife Biologists or Conservation Law Enforcement Officers for any wildlife issues (e.g. snake removal, injured animal, incidental take).

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NATURAL RESOURCES GUIDANCE

- Do not crush or cut trees unnecessarily.



**This tree was approximately 200 years old.
This was avoidable.**



Stock tanks provide drinking water for wildlife.

- Do not run over stock tanks or guzzlers.



CULTURAL RESOURCES GUIDANCE

Refer to Fort Carson Environmental Battle Book, v 6.1, 2018, page 31, “Cultural Resources” and Chapter 7 of the Integrated Cultural Resources Management Plan.

- Observe posted signs, fencing, and Seibert marking. No digging, bivouacking, mounted maneuvers, etc. within these areas.
- Do not collect artifacts.
- Do not disturb stone circles, rock mounds, ruins, or other cultural features.
- Do not touch or deface rock art.
- Do not trespass in historic structures (safety hazard).



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CULTURAL RESOURCES GUIDANCE

- Report any signs of looting, graffiti, or other damage to Range Operations or Cultural Resources staff.
- No graffiti anywhere, anytime.



You will not WRITE, PRINT, PAINT, STAMP, SCRATCH, PECK, OR CHALK ON ANY STONE SURFACES, BUILDINGS / STRUCTURES (HISTORIC OR MODERN), OR LATRINE WALLS!!!!

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IF YOU FIND ARTIFACTS, BONES, OR OTHER POSSIBLE CULTURAL ITEMS...

- Stop work immediately.
- Flag a protective buffer around the location of the discovery.
- Report the discovery to Range Operations & Cultural Resources Manager and/or PCMS Archaeologists.
- You will be notified by the Cultural Resources Manager or PCMS Archaeologists when you can proceed.



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SPILL RESPONSE

Refer to Fort Carson Environmental Battle Book, v 6.1, 2018, page 68, “Spill Clean Up and Reporting Oil/Hazardous Substance.”

- Spill cleanup is the unit’s responsibility.
- General response procedures:
 - Do not put personnel at risk.
 - Contain and report to your unit. Report location to Range Operations.
 - Spills of 5 gallons or more must be reported to Range Operations immediately.
 - Range Operations will contact the Fire Dept. Do not call 911 at PCMS.
 - Most spills are cleaned up by removing the contaminated soils.
 - Recovered contaminated soils will be transported to the PCMS Cantonment for disposal.



CITED RESOURCES

Environmental Battle Book, v 6.1, 2018

<https://home.army.mil/carson/application/files/4116/4976/7771/environmental-battlebook.pdf>

Integrated Cultural Resources Management Plan

<https://home.army.mil/carson/application/files/3716/4934/6831/2017-2021-icrmp.pdf>

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FISCAL YEAR (FY) 2023 ANNUAL REPORT:
PROGRAMMATIC AGREEMENT AMONG U.S. ARMY GARRISON FORT CARSON, COLORADO
STATE HISTORIC PRESERVATION OFFICER, AND THE ADVISORY COUNCIL ON HISTORIC
PRESERVATION REGARDING MILITARY TRAINING AND OPERATIONAL SUPPORT ACTIVITIES AT
PIÑON CANYON MANEUVER SITE, FORT CARSON, COLORADO

NOVEMBER 15, 2023

The U.S. Army Garrison (USAG) Fort Carson submits the following annual report to the State Historic Preservation Officer (SHPO) and concurring parties in accordance with Stipulation VI of the *Programmatic Agreement among U.S. Army Garrison Fort Carson, Colorado State Historic Preservation Officer, and the Advisory Council on Historic Preservation regarding Military Training and Operational Support Activities at Piñon Canyon Maneuver Site, Fort Carson, Colorado*, hereafter referred to as the PCMS PA. This report covers the period from October 1, 2022, through September 30, 2023, and includes information as outlined in Stipulation VI.A. It has been distributed electronically to the SHPO and concurring parties and is available online at: <https://home.army.mil/carson/index.php/Directorate/directorate-public-works/nepa-andcultural-resources-documents>.

I. Exempted Undertakings

Table 1 of Enclosure 1 lists all exempted undertakings that have been reviewed by the Fort Carson Cultural Resources Manager (CRM) during the reporting year. Eighteen undertakings were reviewed that were considered exempted in accordance with Appendix 1 of the PCMS PA.

II. Non-Exempted Undertakings

Table 2 of Enclosure 1 lists all undertakings that required consultation in accordance with Section 106 of the National Historic Preservation Act (NHPA). Two undertakings required Section 106 Consultation (2023-013, and 2023-149, 150,151)

The following is an update to the status of Section 106 consultation continuing from the fiscal year 2023 reporting period:

- 2019-285 Install Cellular Tower, PCMS: Section 106 consultation was initiated on March 30, 2021. Via correspondence dated April 23, 2021 (HC #79539), the SHPO requested additional information about the construction of utility lines beyond the proposed tower's location, as well as requested a more quantifiable analysis of historic properties within the visual APE. Responses were also received from Crow Creek Sioux Tribe, Pawnee Nation of Oklahoma, Not 1 More Acre!, and Otero County Board of County Commissioners (BOCC). Crow Creek Sioux Tribe stated via correspondence dated March 31, 2021, that PCMS is outside of their area of interest. They only have an interest in northern Colorado. The Pawnee Nation of Oklahoma agreed with the finding of effects. Not 1 More Acre! and the Otero County BOCC did

not agree with the finding of effects. Follow-up consultation to address their concerns was conducted. No additional correspondence was received from either party regarding the finding of effects. Not 1 More Acre! did follow up with correspondence to FirstNet and USAG Fort Carson requesting an Environmental Assessment in accordance with the National Environmental Policy Act (NEPA) be completed.

A supplemental undertaking review packet was submitted to the SHPO, Tribes, and other consulting parties and interested parties on June 23, 2021. This update includes the APE for the utility line corridor, as well as the following: a description of what the Army & Air Force Exchange Service is and how it fits within the Army organization; a map of locations of other cellular towers along U.S. Highway 350 near PCMS; representative photographs of cellular towers of similar height and construction style along U.S. Highway 350 with photograph location map; significance criterion that qualifies a cultural resource for inclusion on the National Register of Historic Places; more detailed analysis of the visual effects to historic properties; and overview photographs from key locations with photograph location map. In correspondence dated July 22, 2021 (HC #79539), the SHPO noted that previously undocumented segments of 5LA5795 (Santa Fe Trail), 5LA8548 (Atchison, Topeka, and Santa Fe [AT&SF] Railroad), and 5LA13462 (U.S. Highway 350) are within 0.25 miles of the proposed tower location. While the Santa Fe Trail is located along the railroad and U.S. Highway 350, there are no visible ruts that have not been recorded and evaluated within the visual APEs.

After receipt of the addendum to the undertaking review packet, the SHPO requested that USAG Fort Carson document and evaluate potential undocumented segments of 5LA5795 (Santa Fe Trail), 5LA8548 (Atchison, Topeka, & Santa Fe [AT&SF] Railway), and 5LA13462 (U.S. Highway 350). The results of this documentation effort are published in Kolise (2022) and others, Pittman and others (2022) and Zandarski and others (2022). The "Assessment of Potential Effects" section has been updated to discuss the analysis of effects, specifically visual effects to the Santa Fe Trail, AT&SF Railway, and U.S. Highway 350. A virtual meeting between USAG and SHPO was held on January 23, 2023. The SHPO requested the site documentation for 5LA4434 be updated to current day standards and Lidar maps for the entirety of the Santa Fe Trail within the APE. Responses were also received from the Northern Cheyenne Tribe, Pawnee Nation of Oklahoma, and Southern Ute Indian Tribe; all agreed to the finding of effects. Lidar maps of the entire Santa Fe Trail and updated site documentation for 5LA4434 are in still in progress. Section 106 consultation is ongoing.

2022-043 Off-installation Low-Elevation Flight Training consultation was initiated in November 2021. Responses have been received from the State Historic Preservation Officer, Pike-San Isabel National Forest & Cimarron and Comanche National Grasslands, Edgar Ranches LLC, Huerfano County Commissioners, Las Animas County Commissioners, Not 1 More Acre!, Otero County Commissioners, Santa Fe Trail Association, Pawnee Nation of Oklahoma, Northern Cheyenne Tribe, and the National Park Service's National Trails Intermountain Region.

- On April 19, 2023, Fort Carson responded to letters sent to Fort Carson from February through March 2022. The response to comment/letters was delayed because of staff changes at Fort Carson and PCMS.
- On May 18, 2023, SHPO responded to the April 19, 2023, letter received by Fort Carson. Two concerns, a typo regarding the APE for the flight lines (all APEs are 3 miles wide), and the effort to identify cultural resources on private lands. We used the SHPO database, research, past S106's on Route Hawk and other accepted methods. The Fort Carson Cultural staff engaged the local historic preservation boards/commissions to see if they had information on unreported eligible properties. None were found in the APE that were not already mitigated because they were in towns or were buildings.
- On August 17, 2023, Fort Carson responded to the SHPOs concerns with our additional efforts to identify cultural properties.
- On September 18, 2023 SHPO responded to the August 17, 2023 letter, They asked for more information on the effects of rotorwash on cultural resources.
- On October 11, 2023 Fort Carson sent a supplement to the existing undertaking review to SHPO and consulting parties regarding rotorwash and ultra-sonic vibrations.
- Consultation for this undertaking is ongoing and Fort Carson is awaiting response from SHPO and consulting parties.

Table 3 of Enclosure 1 lists all other non-exempted undertakings that were reviewed by the PCMS Archaeologist. One project is a renew of five year permit to the Federal Aviation Admiration for Air Route Surveillance Radar Site and Access Road, PCMS. No Effect to Historic Properties.

III. Action Updates

A. Status of Tasks Implemented under Stipulations I, III, and IV

The PCMS PA Task Tracker (Enclosure 2) provides detailed information regarding the status of various tasks implemented under Stipulation I, Inventory and Evaluation of Cultural Resources; Stipulation III, Protection of Cultural Resources; and Stipulation IV, Monitoring and Inspection.

B. Cultural Resources Awareness Training

The following cultural resources awareness training materials are provided to Soldiers, civilian employees, contractors, and other users, as appropriate:

- Environmental Protection Officer (EPO) course – provided monthly to Soldiers who serve as the EPO for their unit; updated September 2020
- Fort Carson Environmental Battle Book, 2018, v6.1 – a quick reference document for guidance on common environmental concerns including cultural resources; available online at: <https://www.carson.army.mil/organizations/dpw.html>
- Cultural Resources Awareness Presentation for the U.S. Air Force Academy Survival Training. This presentation was shared with more than 600 Cadets and Commanding Officers prior to their training at PCMS.

Additional training materials, briefs, and presentations are provided on an as-needed basis, and are typically specific to the situation.

C. Brigade Training Exercises

Between May 8 and June 2, 2023, the 1st Stryker Brigade Combat Team conducted a brigade training exercise at Piñon Canyon Maneuver Site (PCMS) located in Las Animas County, Colorado. In accordance with Stipulation IV.B of the Programmatic Agreement among U.S. Army Garrison Fort Carson, Colorado State Historic Preservation Officer, and the Advisory Council on Historic Preservation regarding Military Training and Operational Support Activities at Piñon Canyon Maneuver Site, Fort Carson, executed on April 23, 2014, an after-action inspection of protected resources within the area of potential effects was completed. After action investigations were conducted at 416 sites within the area of potential effects (APE) for the 1st Stryker Brigade Combat Team's (1 SBCT) "Operation Arete" Training Exercise at the Pinon Canyon Maneuver Site (PCMS) in May to June 2023. Entry occurred at one protected resource - 5LA2320, the Gagliardi Homestead. In depth evaluation and documentation of this site revealed that no direct adverse effects occurred to this historic property. Site 5LA2320 has been inadvertently entered on multiple occasions during past training exercises; therefore, indirect adverse effects may have already occurred. These potential indirect adverse effects from past entries will be addressed as part of the ongoing consultation for past brigade exercises in accordance with Section 106 of the National Historic Preservation Act of 1966, as amended (54 U.S.C. § 306108), and its implementing regulations, 36 CFR Part 800. Consultation is ongoing.

D. Inadvertent Entries and/or Impacts to Historic Properties

The following summarizes inadvertent entries and/or impacts to historic properties:

- CF2020-008 Bent Canyon Wildland Fire After Action Inspection: Survey fieldwork is ongoing. Once the survey is complete, a memorandum for record (MFR) and all supporting documentation will be submitted to the SHPO, Native American Tribes, and other consulting and interested parties. Project is ongoing.
- CF2022-007 Black Hills Wildland Fire: The wildland fire started on June 17, 2022, with fire suppression activities concluding on June 28, 2022. The fire burned about 1650 acres within TA 11, TA G, and TA H. Within the fire footprint were fifteen protected resources: 5LA04399, 5LA06571, 5LA06581, 5LA06583, 5LA06609, 5LA06610, 5LA06611, 5LA06624, 5LA06626, 5LA06627, 5LA07438, 5LA07509, 5LA07421, 5LA07421, and 5LA07471. Survey and assessments are on-going.

DI. Inadvertent Discoveries

There were no inadvertent discoveries during the reporting period.

DII. Emergency Response per 36 CFR 800.12

Per 36 CFR 800.12(d), fire suppression activities associated with the following wildland fire events are considered immediate rescue and salvage operations conducted to preserve life or property, and as such, are exempt from the provisions of Section 106.

There were no wildland fire events during the reporting period.

G. Amendment

There were no amendments proposed nor executed during the reporting period.

On September 28, 2021, USAG Fort Carson notified the ACHP, SHPO, Tribes, and other consulting and interested parties of our intention to implement the Army Alternate Procedures (AAP), and requested point-of-contact information for those interested in collaborating with USAG Fort Carson in the development of a Historic Properties Component. Implementation of the AAP would supersede the PCMS PA. Consultation is ongoing.

H. Dispute Resolution

There were no dispute resolutions during the reporting period.

I. Other

Section 106 consultation on the 2010 2-4 Brigade Combat Team (BCT) "Warhorse Rampage" Training Exercise, the 2013 2-4 BCT "Warhorse Charge" Training Exercise,

the 2015 1SBCT “Raider Focus I” Training Exercise, 2017 1SBCT “Raider Focus II” Training Exercise, and 2018 3rd Armored Brigade Combat Team (3ABCT) “Iron Strike” Training Exercise is ongoing. Mitigation plans are in development for 36 historic properties that have been adversely affected by these training exercises or that have had multiple entries since 2010 from military training. There has been no correspondence during the reporting period concerning these consultation efforts.

Report compiled by:

Kari M. Pittman
PCMS Archaeologist

Report reviewed by:

Angie Bell
Chief, NEPA and Cultural Resources Branch

Report approved by:

WACHTER.
JOHN.P.10
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Date: 2023.11.16
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John P. Wachter
Chief, Environmental Division

ENCLOSURE 1

ENCLOSURE 1:

ALL UNDERTAKINGS REVIEWED BY THE FORT CARSON CRMP DURING THE FY23 REPORTING PERIOD (OCTOBER 1, 2022 THROUGH SEPTEMBER 30, 2023) UNDER THE PCMS PA

Table 1: Exempted Undertakings

USAG Fort Carson NEPA Project Number(s) &	USAG Fort Carson Project Number(s)	Location (APE)	Exemption(s) Used	Date(s) Reviewed	Remarks
2023-006 FY23 Quarterly Advisory REC for Training on FC and PCMS	DPT23QTR1	Main Post Downrange Fort Carson PCMS Numbered TAs PCMS Lettered TAs PCMS Training Area A	BE I.C3 FC A FC B FC C PC B1 PC B1 PC B2 PC B3 PC C1 PC C2 PC D1 PC D2	10/20/2022	Per Fort Carson Regulation 200-1, each quarter the Record of Environmental Consideration (REC) for training will be updated. This quarterly training REC covers use of established ranges, drop zones, landing zones, and other training facilities; maneuver training (mounted, dismounted, and aerial); excavation training; etc. It does not cover brigade-sized training exercises, which are reviewed separately. In addition, excavation training is reviewed by the Cultural Resources Program on a case-by-case basis. Updated GIS layers of protected resources restrictions, as well as Standard Operating Procedures (SOPs) and cultural resources awareness training briefs for Fort Carson and PCMS are provided to DPTMS for planning purposes.
2023-008 10th Special Forces Group Support Battalion, Maintenance Company, Excavation Training Dig Request, TA 3, PCMS	n/a	PCMS Numbered TAs	PC B3	10/27/2022	
2023-032 Sharps Ranch Power Upgrade to 400 Amps	PCM23-002	PCMS Lettered TAs	PC C.3a1	12/26/2022	Proposed work includes: upgrading previously installed electrical power to 400 Amps Section 106 consultation was completed in March 2022 for the installing electrical power to existing buildings at Sharps Ranch as part of NEPA Project No. 2012-082.

USAG Fort Carson NEPA Project Number(s) & Project Title	USAG Fort Carson Project Number(s)	Location (APE)	Exemption(s) Used	Date(s) Reviewed	Remarks
2023-044 FY23 Prairie Dog Control and Treatment	DPW23-034	Main Post Turkey Creek Complex Bird Farm Downrange Fort Carson PCMS Cantonment	BE I.B3 FC D2b PC A3b	3/21/2023	Proposed work includes: the elimination of prairie dog colonies with rodenticides and flea control with insecticides. Treatments will take place at: Butts Army Airfield; the Ammunition Supply Point; Olympic shooting center; Patriot School Age Center and adjacent; Ranges 104, 105, 109, 11, 111, 115A, 115B, 117, 119, 121C, 127, 127A, 139, 143 Helipad, 151, 153, 155, 24, 29, 45, 49, 51, 55, 57, and 65; TA 51 forward arming and refueling point; Turkey Creek Ranch; Wilderness Road Complex; and PCMS airfield. Section 106 consultation was completed in July 2019 for the Turkey Creek Complex as part of NEPA Project No. 2019-168. Section 106 consultation was completed in March 2023 for the Olympic shooting center at Bird Farm as part of NEPA No. 2023-044.
2023-049 Install Outlets: 30 Amp (x2) & 50 Amp (x2) from Junction Boxes, at PCMS	TEN23-007	PCMS Cantonment	PC A2a	12/19/2022	Proposed work includes: installing two 30 amp breakers with two 110V duplexes and two 50 amp breakers with two 220V outlets near the Cantonment Barracks and DFAC
2023-061 CNS, Electric Drops for FAVERS PCMS Fire Station 35	PCM23-003	PCMS Cantonment	PC A2a PC A2b	1/4/2023	Proposed work includes: adding a Fire Apparatus Vehicle Exhaust Removal System and adding compressed air system on self-retracting lines and self-retracting electric drop cords
2023-078 4th Engineering Battalion, Excavation Training Dig Request, TA 7, PCMS	n/a	PCMS Numbered TAs	PC B3	1/19/2023	

USAG Fort Carson NEPA Project Number(s) & Project Title	USAG Fort Carson Project Number(s)	Location (APE)	Exemption(s) Used	Date(s) Reviewed	Remarks
2023-089 Prescribed Burns FY2023 FC & PCMS	DPW23-046	Main Post Downrange Fort Carson PCMS Numbered TAs	BE I.B3 FC D2b PC B4b2	1/30/2023	Information provided to proponent for avoidance of protected cultural resources.
2023-121 Arbor Day Tree Planting at PCMS & FC	DPW23-053	Main Post PCMS Cantonment	BE I.B3 PC A3b	3/10/2023	Proposed work includes: planting trees at Fort Carson and PCMS for separate Arbor Day Ceremonies
2023-129 PCMS Firebreak & Bear Springs Rd Mastication	n/a	PCMS Numbered TAs	PC B4b2	3/22/2023	
2023-135 USAFA Combat Survival Training at PCMS May-Aug 2023	n/a	PCMS Numbered TAs PCMS Lettered TAs	PC B2 PC C1	3/29/2023	
2023-137 FY23 3rd Quarterly Advisory REC for Training on FC and PCMS	DPT23QTR3	Main Post Downrange Fort Carson PCMS Numbered TAs PCMS Lettered TAs PCMS Training Area A	BE I.C3 FC A FC B FC C PC B1 PC B1 PC B2 PC B3 PC C1 PC C2 PC D1 PC D2	3/22/2023	Per Fort Carson Regulation 200-1, each quarter the Record of Environmental Consideration (REC) for training will be updated. This quarterly training REC covers use of established ranges, drop zones, landing zones, and other training facilities; maneuver training (mounted, dismounted, and aerial); excavation training; etc. It does not cover brigade-sized training exercises, which are reviewed separately. In addition, excavation training is reviewed by the Cultural Resources Program on a case-by-case basis. Updated GIS layers of protected resources restrictions, as well as Standard Operating Procedures (SOPs) and cultural resources awareness training briefs for Fort Carson and PCMS are provided to DPTMS for planning purposes.
2023-168 Lockwood Canyon Road Repair	n/a	PCMS Lettered TAs	PC C3a1	4/25/2023	

USAG Fort Carson NEPA Project Number(s) & Project Title	USAG Fort Carson Project Number(s)	Location (APE)	Exemption(s) Used	Date(s) Reviewed	Remarks
2023-190 10th Special Forces Group, Group Support Battalion, Maintenance Company, Excavation Dig Request, TA 3 & 15B, PCMS	n/a	PCMS Numbered TAs	PC B3	6/2/2023	
2023-211 FY23 4th Quarterly Advisory REC for Training on FC and PCMS	DPT23QTR4	Main Post Downrange Fort Carson PCMS Numbered TAs PCMS Lettered TAs PCMS Training Area A	BE I.C3 FC A FC B FC C PC B1 PC B1 PC B2 PC B3 PC C1 PC C2 PC D1 PC D2	7/11/2023	Per Fort Carson Regulation 200-1, each quarter the Record of Environmental Consideration (REC) for training will be updated. This quarterly training REC covers use of established ranges, drop zones, landing zones, and other training facilities; maneuver training (mounted, dismounted, and aerial); excavation training; etc. It does not cover brigade-sized training exercises, which are reviewed separately. In addition, excavation training is reviewed by the Cultural Resources Program on a case-by-case basis. Updated GIS layers of protected resources restrictions, as well as Standard Operating Procedures (SOPs) and cultural resources awareness training briefs for Fort Carson and PCMS are provided to DPTMS for planning purposes.
2023-224 Prairie Dog Control and Treatment REC for FY23 Additional Sites	DPW23-085	Main Post Downrange Fort Carson PCMS Numbered TAs	BE I.B3 BE I.C2 FC D2b PCMS B4b2	7/27/2023	Proposed work includes: additional sites for prairie dog control

USAG Fort Carson NEPA Project Number(s) & Project Title	USAG Fort Carson Project Number(s)	Location (APE)	Exemption(s) Used	Date(s) Reviewed	Remarks
2023-287 FY24 1st Quarterly Advisory REC for Training on FC and PCMS	DPT24QTR1	Main Post Downrange Fort Carson PCMS Numbered TAs PCMS Lettered TAs PCMS Training Area A	BE I.C3 FC A FC B FC C PC B1 PC B2 PC B3 PC C1 PC C2 PC D1 PC D2	9/27/2023	
2023-297 Draft Final DOPAA for the PEA for MPF Fielding and Stationing at Multiple Installations	N/A	Downrange Fort Carson	FC A FC B PC B1 PC B2	9/29/2023	

Table 2: Non-Exempted Undertakings Requiring Section 106 Consultation

USAG Fort Carson NEPA Project Number(s) & Project Title	USAG Fort Carson Project Number(s)	Location (APE)	Date(s) Reviewed	SHPO Number & Date Concurred	Remarks
2022-043 Off-Installation Low Elevation Flight Training, Fort Carson & PCMS	N/A		11/30/2021	Ongoing	Section 106 consultation is ongoing.
CF2023-013 LRAM Task 24-503 Note: this technically falls under REC2022-215.217 (LRAM survey REC)	N/A	TA 10C	9/11/2023	HC #83385 8/14/2023	No adverse effect to historic properties. Section 106 consultation was completed September 2023 for the LRAM Task 24-503. SHPO concurred with the finding of "no adverse effect" in correspondence dated August 14, 2023 (HC #83385).
2023-149, 150, 151 LRAM Multiple Tasks	N/A	TA 2, TA10B, TA16	4/11/2023	Ongoing	Perform LRAM tasks in the Training Areas; Land Rehabilitation and Maintenance (LRAM); Multiple (Tasks #24-504, #24-590, #24-591, and #24-592) RPR LRAM Tasks 24-504, 24-590, 24-591, and 24-592 at PCMS in TA2, TA10B, TA16 1 of 3 Request for DPT Project (23-011, 23-012 & 23-013). Received correspondence from Colorado SHPO, Pawnee Nation, and the Northern Arapaho Tribe. Section 106 consultation is ongoing.

Table 3: Other Non-Exempted Undertakings

USAG Fort Carson NEPA Project Number(s) & Project Title	USAG Fort Carson Project Number(s)	Location (APE)	Date(s) Reviewed	Remarks
2023-099 Renew Five-Year Permit to the Federal Aviation Administration for Air Route Surveillance Radar Site and Access Road, PCMS	n/a	PCMS Numbered TAs	2/16/2023	No effect to historic properties

Enclosure 2

**ENCLOSURE 2:
PCMS PA TASK TRACKER
(CURRENT AS OF SEPTEMBER 30, 2023)**

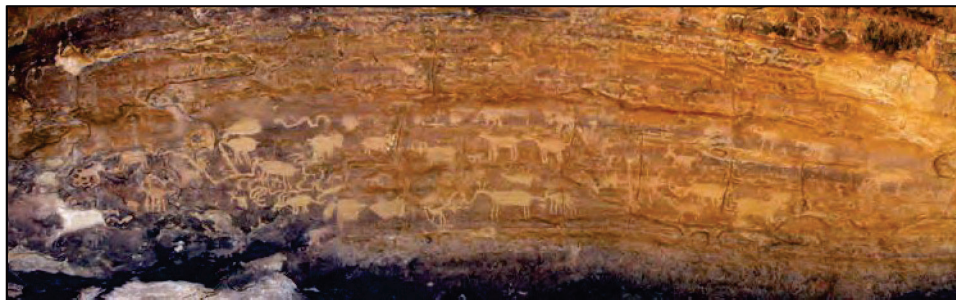
Stipulation	Action	Duration	Date Required	Remarks
I.A.1	GIS shapefiles and master site index provided to SHPO	90 days after signing	7/22/2014	Completed; provide updates as necessary
I.A.2	Cultural resources documentation submitted to SHPO	180 days after signing	10/20/2014	Completed; provide updates as necessary
I.A.3	SHPO notifies USAG that information baseline has been created and request any missing information	1 year after completion of I.A.2	4/02/2015	Completed
I.A.4	USAG and SHPO consult to address any data discrepancies	180 days after completion of I.A.3	7/05/2016	Completed (HC #63877); consult as needed on any data discrepancies that may arise.
I.A.4	Implement agreeable terms to reconcile discrepancies	3 years after completion of I.A.4 task above	7/05/2016	Completed (HC #63877).

Stipulation	Action	Duration	Date Required	Remarks
I.B	Complete documentation on needs data sites or implement a protection measure	3 years after signing	04/22/2017	Completed FY19: Contract awarded in September 2018 to develop research designs for 71 sites. Research designs for 32 sites are being reviewed by the CRM. Research designs for 39 sites were submitted for SHPO review. Comments are being addressed. Project is ongoing. FY20: Contract awarded in September 2019 to evaluate 58 isolated finds. Fieldwork has been completed. Technical report and site documentation were submitted to SHPO 20 March, 2023. Project is complete. FY20: Contract awarded in September 2019 to conduct a traditional use study of the Hogback. Site visits are complete and the report is forthcoming. Project is ongoing. 567 resources have been determined "needs data," with which SHPO concurs. Research designs are being drafted for 71 of these sites located within the primary maneuver areas and along canyon rims. Documentation and evaluation to modern-day standards of an additional 58 of these resources (categorized as isolated finds) is complete. SHPO (82705) concurred that 57 of the 58 resources were Officially Not Eligible, and 5LA2424 is still a Needs Data site. Protection strategies have been implemented at the "Needs Data Sites."
I.B.1	SHPO concurrence with NRHP eligibility determinations from re-evaluations	60 days after submission	TBD	

Stipulation	Action	Duration	Date Required	Remarks
I.D	Continue consultation with Tribes concerning site protection, monitoring frequencies, and TCPs and sacred sites identification	Ongoing action	n/a	Consultation meeting was held in person April 5, 2023 through April 7, 2023. In attendance were representatives from the Cheyenne and Arapaho Tribes of Oklahoma, Cheyenne River Sioux, Comanche Nation of Oklahoma, Jicarilla Apache Nation, Pawnee Nation of Oklahoma, Rosebud Sioux Tribe, and Standing Rock Sioux.
III.A	Implement site protection measures		04/22/2017	415 of 1,200 protected sites have a protection fence, Seibert markers, boulders, or combination; 191 have corner markers only; 126 are terrain protected (i.e. no vehicle access); all others are administratively protected.
III.B	Propose amended site protection measures and monitoring frequencies	As needed	n/a	No proposed changes during reporting period
III.D	Provide training vehicles/aircraft with means of knowing site locations	1 year after signing	04/22/2015	Completed; update as necessary
IV.A	Monitor protected cultural properties	Ongoing action	n/a	Working with Fort Carson Conservation Law Enforcement Officers to conduct routine inspections.
V.A	Implement cultural awareness training of all personnel involved in the execution of undertakings	Annually	n/a	Cultural resources awareness training is part of the annual mandatory training for Soldiers, Civilians, and contractors.
VI.C	Annual meeting with consulting parties	Annually	NLT Feb. 15 th	Consultation meeting was held virtually on January 11, 2023. In attendance were representatives from the Colorado SHPO, Colorado Preservation, Inc., Jicarilla Apache Nation, Las Animas County Commissioners, Northern Arapaho Tribe, Otero County Commissioners, Pawnee Nation of Oklahoma, Southern Ute Indian Tribe, and Standing Rock Sioux.

Stipulation	Action	Duration	Date Required	Remarks
VII.AG	Implement terms through policies and ICRMP	Ongoing action	n/a	ICRMP signed by Garrison Commander on 05/01/2017. The ICRMP renewed for FY23 with no changes. Additional updates will be completed as the CRM moves through the Army Alternate Procedures.

Enclosure 3:
Examples of Cultural Resources Awareness Training Materials



Cultural Resources Management

WHAT YOU NEED TO KNOW AS AN ENVIRONMENTAL PROTECTION OFFICER

Course Objectives

You will learn:

1. What are cultural resources?
2. Why is it important to protect cultural resources?
3. What are the legal requirements?
4. What are your responsibilities?
5. Where can you learn more?



Fort Carson Cultural Resources Management Program

Mission:

"To support military training requirements, achieve regulatory compliance, and ensure stewardship responsibilities are met."



Goals:

1. Support sustainable training
2. Reduce/eliminate access restrictions due to resource protection
3. Protect significant cultural resources from adverse effects
4. Conserve cultural resources and their information for future generations
5. Increase cultural resource appreciation
6. Contribute to our understanding of culture, history, and archaeology at the local, regional, and national levels

8/23/2017

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3

Fort Carson Cultural Resources Management Program

Objectives:

- Provide accurate data regarding access restrictions
- Monitor cultural resources for impacts
- Implement protective measures
- Implement conservation measures
- Integrate cultural resources management with Installation operations
- Consult with external stakeholders
- Sustain public outreach



Tribal representatives discuss the importance of a rock art panel.

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4

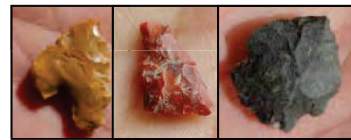
What are Cultural Resources?

Definition:

Non-renewable remnants of past human activities that have cultural or historical value and meaning to a group of people or a society

Or simply:

The stuff we leave behind



Cultural resources can be thousands of years old, hundreds of years old, or from the more recent past.

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5

Cultural Resources Examples:



- Rock art, i.e. petroglyphs (carvings) and pictographs (paintings)
- Archaeological sites
- Historical buildings, structures, and objects
- Historical roads and trails
- Sacred sites and traditional cultural properties
- Human burials
- Artifacts
- Ruins



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Fort Carson's Cultural Resources

Fort Carson (as of August 2017):

- 2,385 Cultural Resources
- 1 Listed National Register District
- 133 Eligible
- 68 Needs Data
- 2,165 Not Eligible
- 18 No Official Determination



PCMS (as of August 2017):

- 6,248 Cultural Resources
- 573 Eligible
- 660 Needs Data
- 4,999 Not Eligible
- 16 No Official Determination



Complex and Simple Habitation Sites
 Temporary Field Camps
 Stone Artifact Scatters/Quarry Locations
 Food Procurement/Processing Sites
 Rock Art Panels (Prehistoric & Historic)
 Historic Ranches/Farmsteads
 Military Construction (1942-Present)
 Stage Station/Mail Route Remnants
 Small Mining Operations

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7

Why is it Important to Protect Cultural Resources?

- They provide information regarding **our** heritage, **our** practices, and **our** beliefs.
 - Contributes to **our** sense of place and identity
- These areas may have profound religious and spiritual significance to Native American tribes and other ethnic groups.
- Sacred Native American sites are rooted in the history of their people and maintain the continuity of traditional beliefs and practices.
- By preserving, protecting, and respecting cultural resources, you ensure these resources are available for future generations
 - Non-renewable resource – **once destroyed, can never be restored**
- It is **our** duty, as the land manager to be good stewards, ensuring compliance with all environmental and cultural laws and regulations.

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8

Another Reason for Protecting Cultural Resources...

BECAUSE IT'S THE LAW!

National Historic Preservation Act (NHPA)

Archaeological Resources Protection Act (ARPA)

Native American Graves Protection and Repatriation Act (NAGPRA)

American Antiquities Act of 1906

American Indian Religious Freedom Act

Army Regulation 200-1

And more...

And some of these laws, such as the Archaeological Resources Protection Act, carry criminal and civil penalties.

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9

Section 106 of the National Historic Preservation Act (NHPA)

- Section 106 of the NHPA requires us to consider the effects of our actions on historic properties.
 - Historic properties are any cultural resource that is listed in or is eligible for inclusion in the National Register of Historic Places (NRHP)
 - NRHP – list of cultural resources determined to be significant to the national, state, regional, or local history
- How **You** Can Comply with Section 106:
- Follow the Standard Operating Procedures (SOPs) in the Integrated Cultural Resources Management Plan (ICRMP)
 - SOP No. 1: Section 106 Compliance for Project Proponents
 - SOP No. 2: Mission Training of Military and Tenant Personnel
 - SOP No. 3: Emergency Operations

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10

What Happens When We Do Not Comply with NHPA Section 106?

- Colorado State Historic Preservation Officer contacts the Advisory Council on Historic Preservation (ACHP)
- ACHP contacts the Secretary of the Army
- Garrison Commander must answer to the Secretary of the Army on why we foreclosed on the consultation process
- Then, it falls to **YOU** to answer why
- Lawsuits can be filed by Tribes, other interested parties, and the public
 - Comanche Nation v. United States
 - Pueblo of Sandia v. United States
 - National Trust for Historic Preservation v. Department of State
 - City of Grapevine v. Department of Transportation
 - Paulina Lake Historic Cabin Owners Association v. U.S. Forest Service

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11

Scenario 1: Comanche Nation vs. United States

- Fort Sill proposed to constructed a 43,000 sq ft Training Support Center (TSC) warehouse (\$7.3 million) 1,662 ft southwest of the southern boundary of the Medicine Bluffs National Historic Feature
- Medicine Bluffs is a sacred site/TCP that is listed in the NRHP
- Fort Sill sent the draft final Environmental Assessment in Sep 2006
- Section 106 consultation letters mailed in Aug 2007
 - Comanche Nation requested more information and voiced concerns in correspondence dated Aug 2007, Oct 2007, Feb 2008, May 2008, & July 2008
- Construction of TSC began Aug 2008
- Comanche Nation filed a lawsuit in 15 Aug 2008
- Construction of TSC at new location in Oct 2009

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Scenario 1: Comanche Nation vs. United States

Comanche Nation asserted Fort Sill:

- Violated the Religious Freedom Restoration Act – building the TSC warehouse at the proposed location would interfere with the exercise of the Tribe’s religious beliefs
- Violated the NHPA – Fort Sill failed to make a “reasonable and good faith effort” to consult to identify and resolve adverse effects

Outcome

- Project stopped and moved to another location
- \$650,000 lost on project costs and unknown \$\$\$ spent on legal costs
- Case is a precedent

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13

Archaeological Resources Protection Act

- Knowingly damaging an archaeological resource is a violation of the Archaeological Resources Protection Act (ARPA)
Includes looting, digging within a site, graffiti or other defacement, removing cultural features, etc.
- ARPA carries up to **\$100,000 fine** and **1 year in jail** for 1st offense



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Scenario 2: Graffiti

- Sep 2013 – archaeologists observed graffiti at a sacred site/TCP at the PCMS
- Led to an Article 15-6 investigation
- Now used as an example of what not to do
- **Graffiti is not tolerated anywhere, any time**
- Defacing federal property is against the law
Destruction of Government Property (18 U.S.C §§ 1361-1363) – up to \$250,000 fine, 10 years imprisonment, or both
ARPA
- Anyone caught defacing government property (buildings, rock faces, etc) will be prosecuted



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5

How Can You Help Protect and Preserve Cultural Resources?

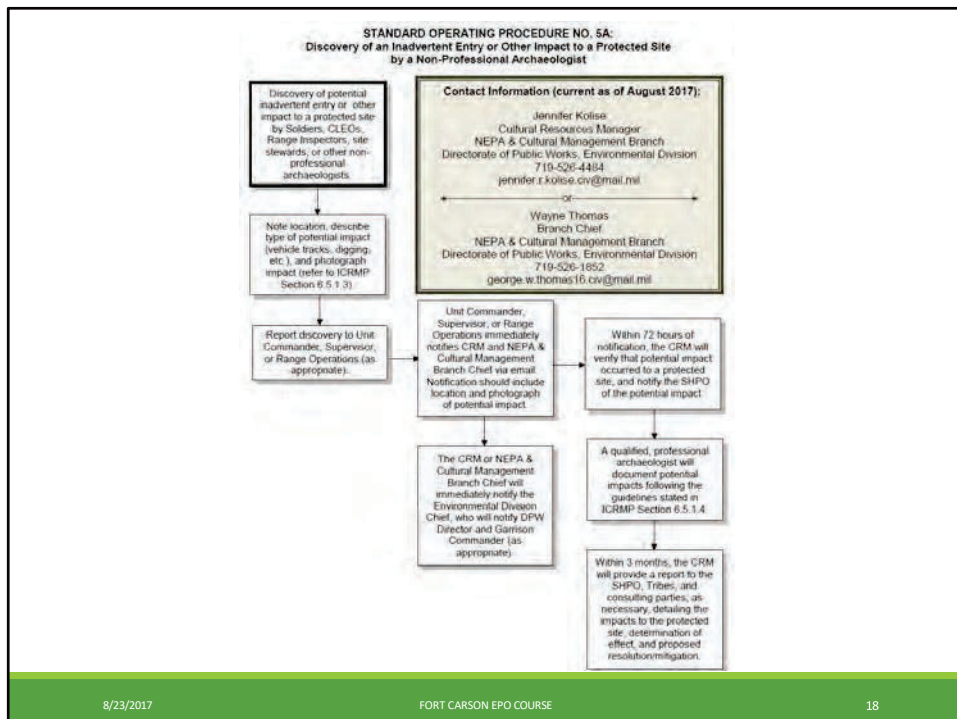
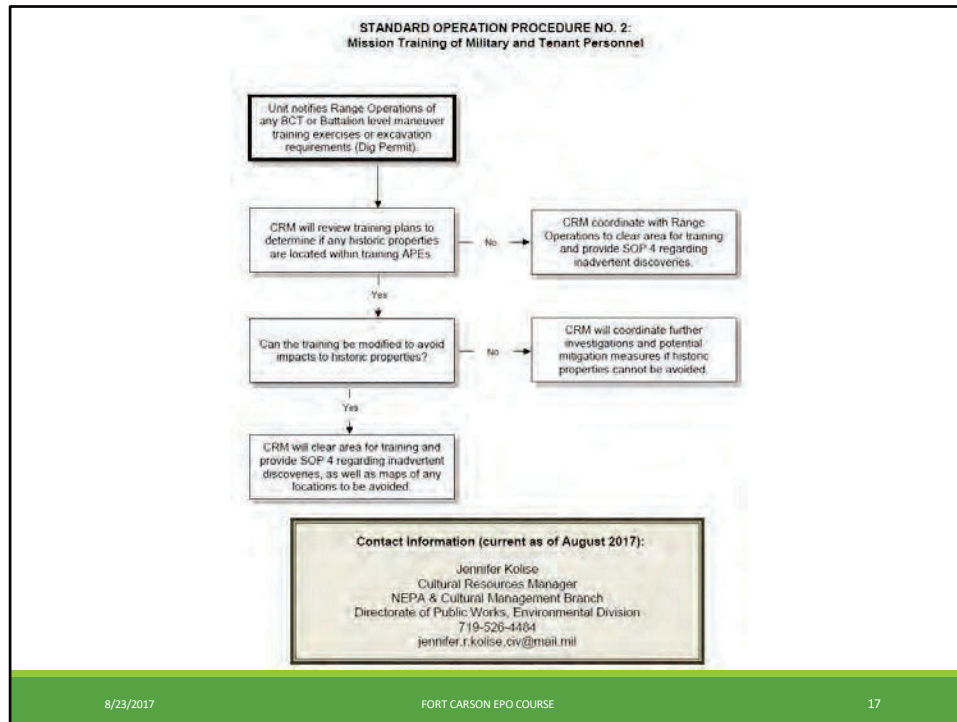
DO:

- Coordinate land use with Range Operations to ensure you are in an approved area.
Epecially excavation training (dig permit)
Refer to ICRMP SOP No. 2
- Obey maneuver damage, environmental, and cultural resources protection policies and procedures.
- Observe posted signs, fencing, and Seibert marking indicating restricted areas that may be off-limits to vehicles, digging, bivouacking or other activities.
- Report any signs of looting, vandalism, or other damage to a cultural site to Range Operations and/or the Cultural Resources Manager (CRM).
Refer to ICRMP SOP No. 5A
- Stay vigilant!

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How Can You Help Protect and Preserve Cultural Resources?

DON'T:

- Collect any artifacts, including arrowheads and bottles.
- Disturb stone circles, rock mounds, ruins, or other cultural features, including using stones from cultural features to create defensive positions or resting areas.
- Lean against, sit on, or step on rock mounds, rock walls, ruins, or other cultural features.
- Touch or deface rock art or historical structures.
- Trespass in historical structures.

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If you find artifacts, bones, or other possible cultural items...

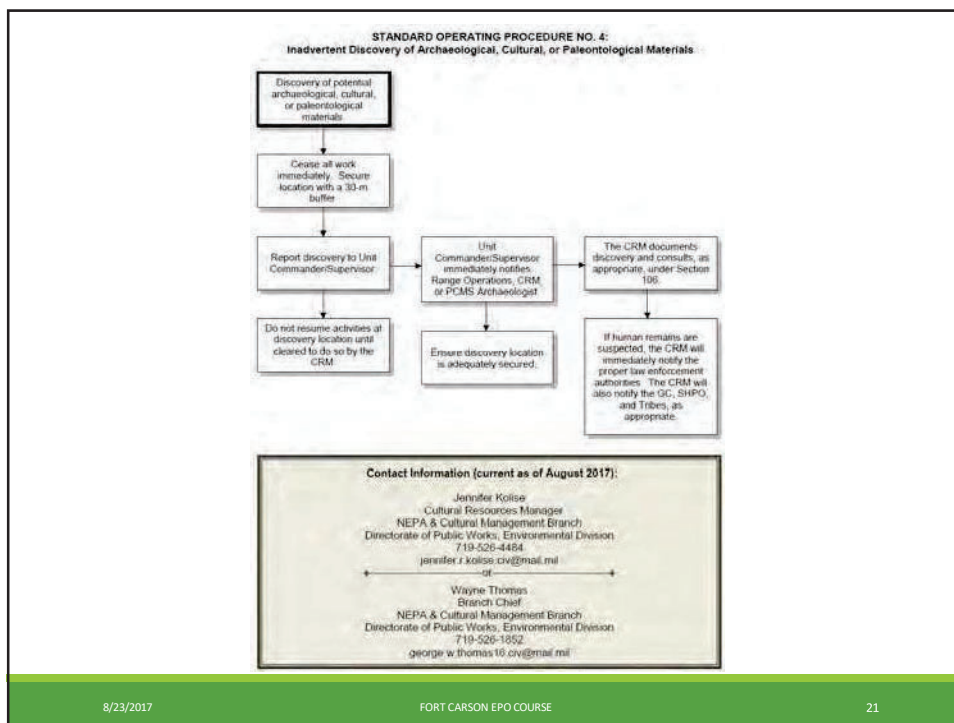
STOP WORK IMMEDIATELY

- Flag a protective buffer around the location of the discovery.
- Report the discovery to:
Fort Carson Range Operations (719-526-5698) or PCMS Range Operations (719-503-6120); and/or
Fort Carson CRM (719-526-4484) or PCMS Archaeologist (719-503-6136)
- You will be notified when you can proceed.

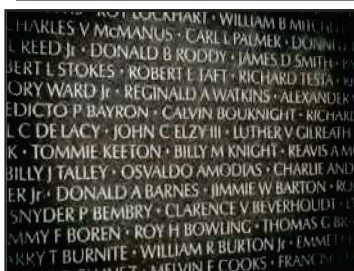
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What is the Harm in Taking a Souvenir?

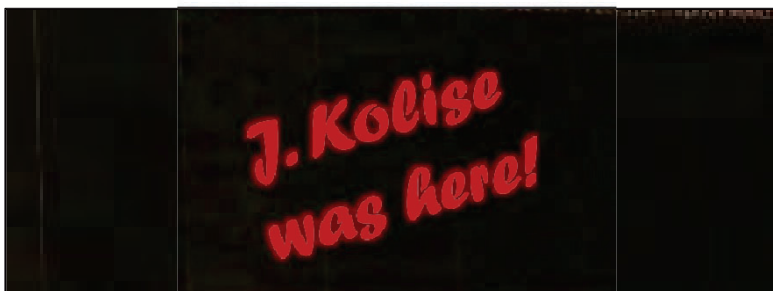


If every person who visited the Vietnam Memorial decided to take one name off as a souvenir, eventually there would be nothing left.



The same is true with archaeological sites. If everyone who visited a site took an arrowhead or bottle, eventually there would be nothing left that would give us information about the people who lived there. **OUR HERITAGE WOULD BE LOST!**

What's Wrong with this Picture?



Seriously...where's the harm in leaving your legacy somewhere?

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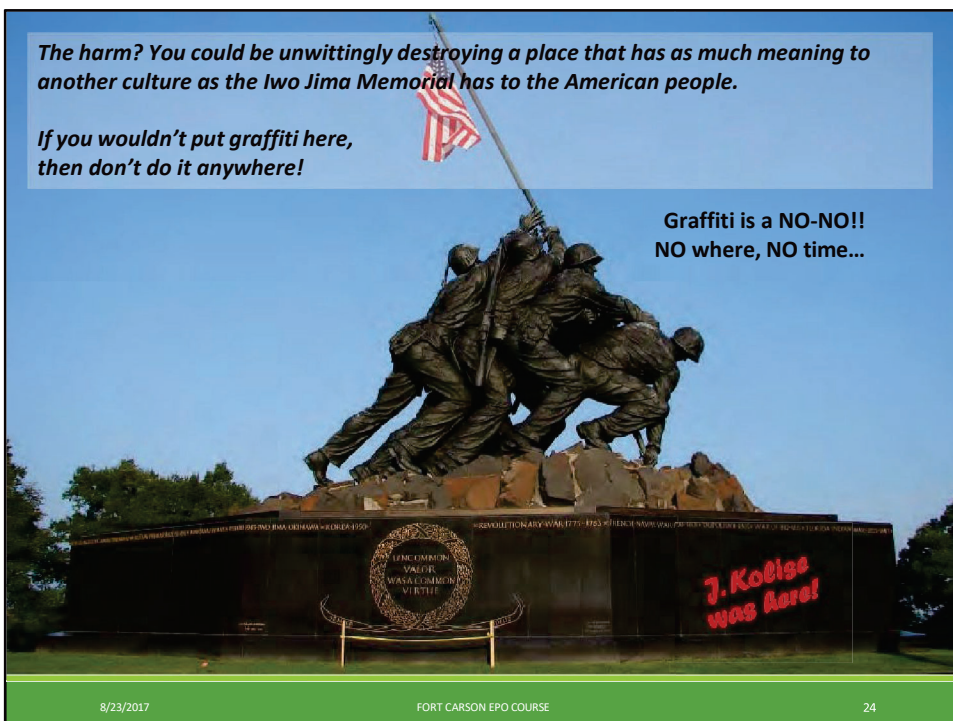
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The harm? You could be unwittingly destroying a place that has as much meaning to another culture as the Iwo Jima Memorial has to the American people.

If you wouldn't put graffiti here, then don't do it anywhere!

Graffiti is a NO-NO!!
NO where, NO time...

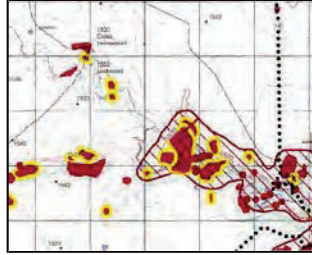


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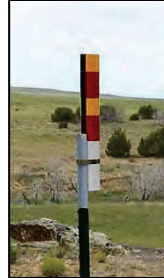
Site Protection Measures



Protected Resources JCR Map

Red = unmarked restricted area
 Red with yellow outline = marked restricted area
 Red hash-marked area = dismantled training only
 White line through restricted area = authorized travel corridor

No digging or mounted maneuvers within protected areas



Seibert Marker

Red, yellow, and white 3M reflective tape
 Black stripe points to inside of restricted area.



Protection Fences with Restricted Access Signs



Seibert Markers and Boulders

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Where Can You Learn More?

Integrated Cultural Resources Management Plan (ICRMP)

- Fort Carson-specific tool for the management of cultural resources
 Outlines program obligations, goals, priorities, and SOPs
- Chapter 7 contains the SOPs relevant to your job
 - SOP No. 1: Section 106 Compliance for Project Proponents
 - SOP No. 2: Mission Training of Military and Tenant Personnel
 - SOP No. 3: Emergency Operations
 - SOP No. 4: Inadvertent Discovery of Archaeological, Cultural, or Paleontological Materials
 - SOP No. 5A: Discovery of an Inadvertent Entry or Other Impact to a Protected Site by a Non-Professional Archaeologist
- Where can it be found?
<https://www.carson.army.mil/organizations/dpw.html#three>

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Main Points to Remember

- Cultural resources are non-renewable.
- Obey cultural resources laws and regulations
- Follow Fort Carson-specific guidance and SOPs outlined in the ICRMP
- No digging or mounted maneuvers within protected areas
- Use established travel corridors through protected areas
- Leave cultural resources as you found them
- Report any suspected looting, vandalism, site entries, etc., immediately to Range Operations and/or the CRM
- We are here to help you: 526-4484 (CRM) or 503-6136 (PCMS Archaeologist)

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27

The Army is legally required to protect and manage cultural resources.

A. True

B. False

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28

The Army is legally required to protect and manage cultural resources.

- A. True
- B. False



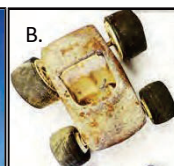
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29

Which of the following would be considered a cultural resource?

- A. Trail
- B. Toy
- C. Building
- D. Rock formation
- E. B & C only
- F. C & D only
- G. All of the above
- H. None of the above



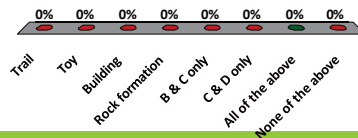
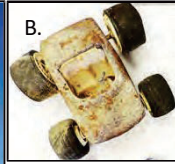
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30

Which of the following would be considered a cultural resource?

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- E. B & C only
- F. C & D only
- G. All of the above
- H. None of the above



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FORT CARSON EPO COURSE

31

While digging a tank ditch, you find an arrowhead and other stone chips. What should you do first?

- A. Call Range Control or the CRM immediately.
- B. Cover it back up and say nothing.
- C. Put the arrowhead in your pocket. It would be a nice addition to your collection.
- D. Stop all work immediately, and place a buffer around the area.

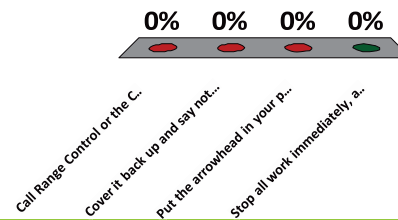
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32

While digging a tank ditch, you find an arrowhead and other stone chips. What should you do first?

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FORT CARSON EPO COURSE

33

You cannot be prosecuted for unknowingly defacing an archaeological site on an Army installation.

- A. True
- B. False

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FORT CARSON EPO COURSE

34

You cannot be prosecuted for unknowingly defacing an archaeological site on an Army installation.

A. True

B. False



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CULTURAL RESOURCES

POTENTIAL HAZARDS AND ENVIRONMENTAL CONCERNS

Cultural resources are remnants of past human activities that have cultural or historical value and meaning to a group of people. A resource can be thousands of years old, hundreds of years old, or from the more recent past. Examples include: rock art and carvings; archaeological sites; historic buildings, structures or objects; historic roads and trails; Native American sacred sites and traditional cultural properties; human burials; artifacts; and ruins. As a land manager, it is our duty to be good stewards, ensuring compliance with all environmental and cultural requirements, laws, and regulations. Violation of cultural resources protection laws can result in civil and criminal penalties, monetary fines, and imprisonment.

HANDLING PROCEDURES

✱	Coordinate land use with Range Control Operations to ensure you are in an approved area.	 Pictured above are various cultural resources that have been recorded on Fort Carson and PCMS.
✱	Observe posted signs, fencing, and Seibert marking that indicate restricted areas which may be off-limits to vehicles, digging, bivouacking, or other high impact activities.	
✱	Do not collect artifacts, including arrowheads and bottles. Do not disturb stone circles, rock mounds, ruins, or other cultural features. Do not touch or deface rock art, or scratch on rocks or objects of any kind.	
✱	Do not trespass in historic structures even when not marked.	  Graffiti, as seen in the photograph above, can irreparably harm the integrity of a site. There is no way to remove the graffiti without doing further damage to the site. The yellow, red, and white Seibert markers indicate areas where vehicles, digging, or bivouacking are not allowed.
✱	Report any signs of looting, graffiti, or other damage to a cultural site to Range Control Operations or Cultural Resources staff.	
✱	No graffiti anywhere, anytime.	
✱	If buried artifacts, bones, or other cultural items are found, stop work immediately, flag a protective buffer around the location of the discovery, and report the discovery to Range Control Operations or Cultural Resources staff.	

GENERAL INFORMATION

For additional information concerning cultural resources, contact the Fort Carson Cultural Resources Manager at 526-4484 or the PCMS Archaeologist at 503-6136.

Range Control Operations: Fort Carson 526-5698 / PCMS 526-6123 or 6130

Reference: [Fort Carson Regulation 200-1](#).

Soldiers who have been designated to the Observer-Controller Team for a brigade exercise must go through special training. This brief covers environmental considerations, including cultural resources, and is usually provided by the Fort Carson Cultural Resources Manager. It is adapted for each specific brigade exercise.

OPERATION ARETE OC TEAM BRIEF

ENVIRONMENTAL CONSIDERATIONS

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Kari Pittman, PCMS Archaeologist – 719-722-8789 – kari.m.pittman2.civ@army.mil
Marisa Miller-Acosta, PCMS Archaeologist – 719-722-9321 – marisa.f.milleracosta.civ@army.mil



TOPICS

- Protected Resources
- Wildlife Guidance
- Cultural Resources Guidance
- Spill Response
- OPERATION ARETE Dig Request Process

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WHAT IS A PROTECTED RESOURCE?

- Not just protected archaeological sites (or cultural resources), but also...
- Protected natural resource area
- Critical infrastructure
- Human health and safety concern

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CULTURAL RESOURCE EXAMPLES



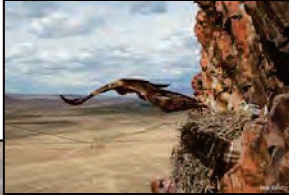
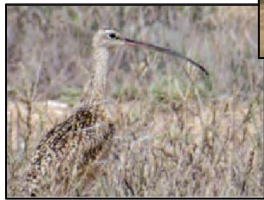
- Rock art, i.e. petroglyphs (carvings) and pictographs (paintings)
- Archaeological sites
- Historical buildings, structures, and objects
- Historical roads and trails
- Sacred sites and traditional cultural properties
- Human burials
- Artifacts
- Ruins

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NATURAL RESOURCE EXAMPLES

- Migratory bird nesting sites
- Golden eagle nesting sites
- Critical habitat for threatened / endangered species



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CRITICAL INFRASTRUCTURE EXAMPLES

- Windmills and associated wells & tanks
- Solar panels
- Pipelines
- Utility lines
- Erosion control dams



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HUMAN HEALTH & SAFETY CONCERN EXAMPLES

- Contaminated areas
- Open pits / wells / mine shafts
- Steep drop offs



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COMPLIANCE REQUIREMENTS FOR PROTECTED RESOURCES

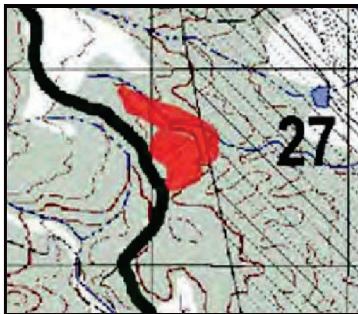
- No vehicles allowed
- No excavation allowed
- No bivouacking allowed
- No aerial maneuvering allowed within 100 meters
- Travel allowed only on approved travel corridors through the area as shown on the map

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PROTECTED RESOURCES MAP SYMBOLS: UNMARKED PROTECTED RESOURCE



Symbol: Area polygon with red-filled interior

Definition: Protected resource that lacks marking or is partially marked (Seibert markers, protection fencing with signs, or combination of both)

Caveats: Ensure the entire red perimeter is avoided at all times by vehicles. **Do not simply rely on the observed Seibert markers and/or fencing.**

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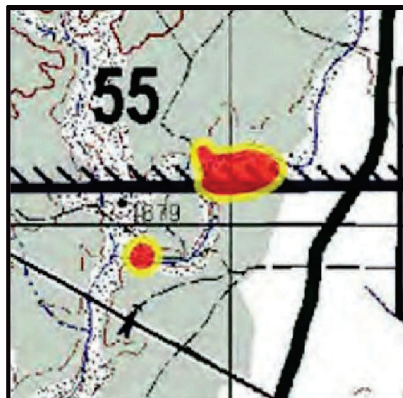


PROTECTED RESOURCES MAP SYMBOLS: MARKED PROTECTED RESOURCE

Symbol: Area polygon with red-filled interior and yellow outline (halo)

Definition: Protected resource that is completely marked with Seibert markers, protection fencing with signs, or a combination of both

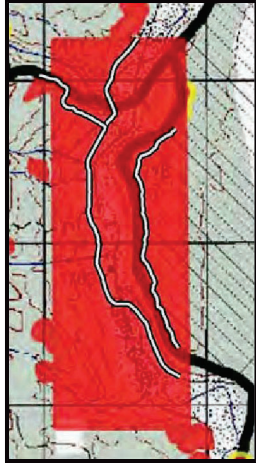
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PROTECTED RESOURCES MAP SYMBOLS: AUTHORIZED TRAVEL CORRIDOR



Symbol: White line interior and black outline

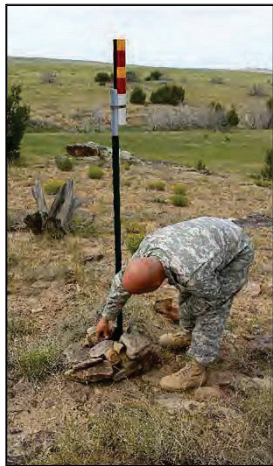
Definition: Corridors approved for travel through protected resources

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PHYSICAL PROTECTION MEASURES



Seibert Marker

Red, yellow, and white 3M reflective tape
Black stripe points to inside of restricted area.



Protection Fences with Restricted Access Signs



Boulders

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NATURAL RESOURCES GUIDANCE

Refer to Fort Carson Environmental Battle Book, v 5.1, DEC 2016

- Page 77, “Wildlife (Dangerous): Bears / Mountain Lions / Rattlesnakes / Coyotes”
- Page 78, “Wildlife (Migratory Birds): Songbirds / Raptors / Ravens / Etc.”
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- Page 80, “Wildlife (Sensitive or T&E Species): Prairie Dogs / Burrowing Owls”

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NATURAL RESOURCES GUIDANCE

- Do not crush or cut trees unnecessarily.



This tree was approximately 200 years old.
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Stock tanks provide drinking water for wildlife.

- Do not run over stock tanks or guzzlers.

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CULTURAL RESOURCES GUIDANCE

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- Observe posted signs, fencing, and Seibert marking. No digging, bivouacking, mounted maneuvers, etc. within these areas.
- Do not collect artifacts.
- Do not disturb stone circles, rock mounds, ruins, or other cultural features.
- Do not touch or deface rock art.
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- No graffiti anywhere, anytime.



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IF YOU FIND ARTIFACTS, BONES, OR OTHER POSSIBLE CULTURAL ITEMS...

- Stop work immediately.
- Flag a protective buffer around the location of the discovery.
- Report the discovery to Range Operations.
- You will be notified when you can proceed.

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SPILL RESPONSE

Refer to Fort Carson Environmental Battle Book, v 5.1, DEC 2016, page 67, “Spill Clean Up and Reporting Oil/Hazardous Substance.”

- Spill cleanup is the unit’s responsibility.
- General response procedures:
 - Do not put personnel at risk.
 - Contain and report to your unit. Report location to Range Operations.
 - Spills of 5 gallons or more must be reported to Range Operations immediately.
 - Range Operations will contact the Fire Dept. Do not call 911 at PCMS.
 - Most spills are cleaned up by removing the contaminated soils.
 - Recovered contaminated soils will be transported to the PCMS Cantonment for disposal.

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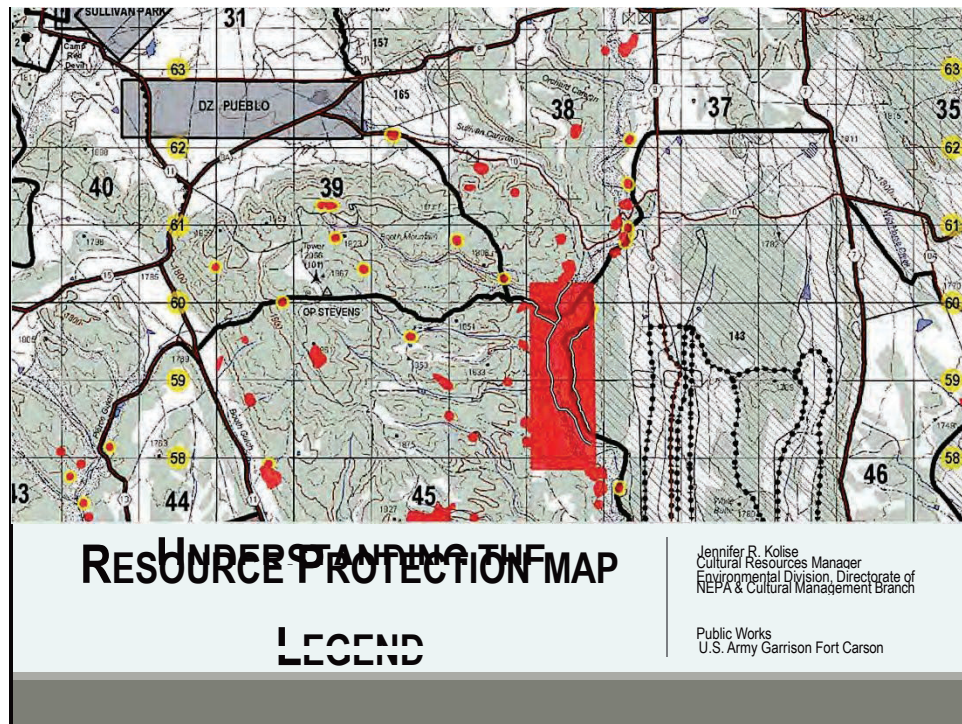


OPERATION ARETE STRIKE DIG REQUEST PROCESS

- Unit submits dig request through chain of command to HICON (type of excavation, method, and MGRS coordinates).
- HICON reviews request (approves or denies).
- If approved, unit digs and provides dig locations through chain of command back to HICON.
- Accurate reporting of dig locations facilitates Cultural Resource staff inspection and future land remediation.

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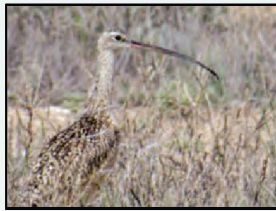


WHAT IS A PROTECTED RESOURCE?

- ▶ Protected natural resource area, such as critical habitat for a threatened & endangered species or a migratory bird nesting site
- ▶ Protected cultural resource area, such as archaeological sites, historic buildings, or burials
- ▶ Critical infrastructure
- ▶ Human health & safety concerns, such as radiation control areas, mine shafts, or steep cliffs

NATURAL RESOURCE EXAMPLES

- ▶ Critical habitat for threatened & endangered species
- ▶ Golden eagle nesting sites
- ▶ Migratory bird nesting sites



CULTURAL RESOURCE EXAMPLES



- ▶ Rock art, i.e. petroglyphs (carvings) and pictographs (paintings)
- ▶ Archaeological sites
- ▶ Historical buildings, structures, and objects
- ▶ Historical roads and trails
- ▶ Sacred sites and traditional cultural properties
- ▶ Human burials
- ▶ Artifacts
- ▶ Ruins

CRITICAL INFRASTRUCTURE EXAMPLES

- ▶ Windmills and associated wells & tanks
- ▶ Solar panels
- ▶ Pipelines
- ▶ Utility lines



HUMAN HEALTH & SAFETY CONCERN EXAMPLES

- ▶ Environmental contamination areas, e.g. radiation control areas & asbestos contaminated areas
- ▶ Open pits, wells, & mine shafts
- ▶ Steep drop offs

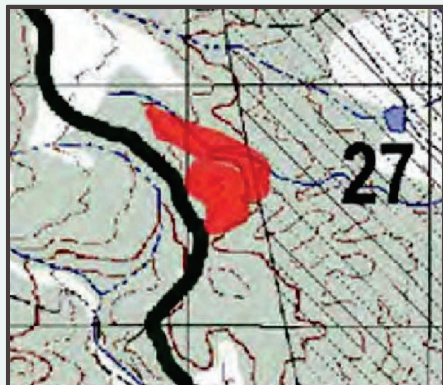


COMPLIANCE REQUIREMENTS

- ▶ No vehicles allowed
- ▶ No excavation allowed
- ▶ No bivouacking allowed
- ▶ No aerial maneuvering allowed within 100 meters
- ▶ Travel allowed only on approved travel corridors through the area as shown on the map

Best Practice: While operating a vehicle, implement a 30-meter stand-off distance from the perimeter of the protected resource as depicted on the map.

STANDARDIZED SYMBOL: UNMARKED RESOURCE



Symbol: Area polygon with red-filled interior

Definition: Protected resource that lacks marking or is partially marked (Seibert markers, protection fencing with signs, or combination of both)

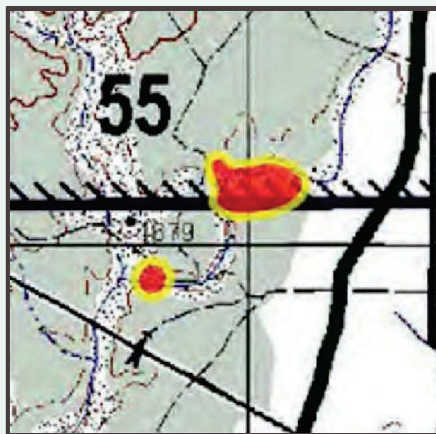
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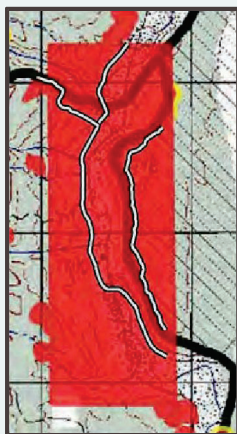
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Caveat: Ensure the yellow outside perimeter is avoided at all times by vehicles. **Do not simply rely on the observed Seibert markers and/or fencing.**



STANDARDIZED SYMBOL: AUTHORIZED TRAVEL CORRIDOR THROUGH PROTECTED RESOURCE



Symbol: White line interior and black outline

Definition: Corridors approved for travel through protected resources

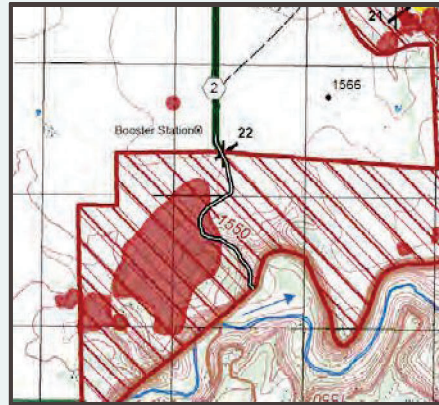
Caveat: No off-road travel allowed within protected resource. **Stay on the approved existing corridor only.**

STANDARDIZED SYMBOL: DISMOUNTED ONLY AREAS

Symbol: Area polygon with red crosshatch

Definition: Dismounted only training area all vehicles must stay on approved roads no off-road vehicle travel is authorized

Caveat: These areas do not conform to topography.



PHYSICAL PROTECTION MEASURES



Seibert Marker

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Protection Fences with Restricted Access Signs

Boulders



USAFA Cadet Survival Training

ENVIRONMENTAL CONSIDERATIONS

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TOPICS

Protected Resources

Wildlife Guidance

Cultural Resources Guidance

Spill Response



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WHAT IS A PROTECTED RESOURCE?

- Not just protected archaeological sites (or cultural resources), but also...
- Protected natural resource area
- Critical infrastructure
- Human health and safety concern

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CULTURAL RESOURCE EXAMPLES



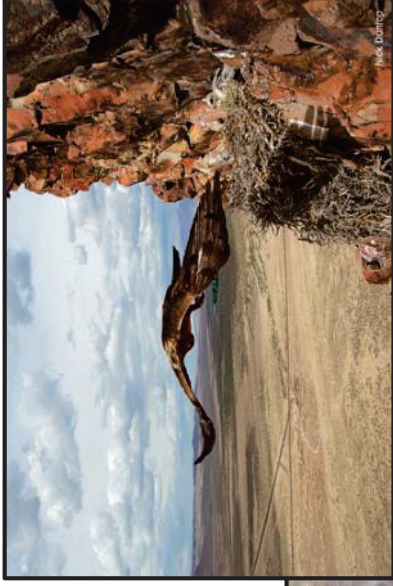
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NATURAL RESOURCE EXAMPLES

- Migratory bird nesting sites
- Golden eagle nesting sites
- Critical habitat for threatened / endangered species



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CRITICAL INFRASTRUCTURE EXAMPLES

- Windmills and associated wells & tanks
- Solar panels
- Pipelines
- Utility lines
- Erosion control dams



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HUMAN HEALTH & SAFETY CONCERN EXAMPLES

- Contaminated areas
- Open pits / wells / mine shafts
- Steep drop offs



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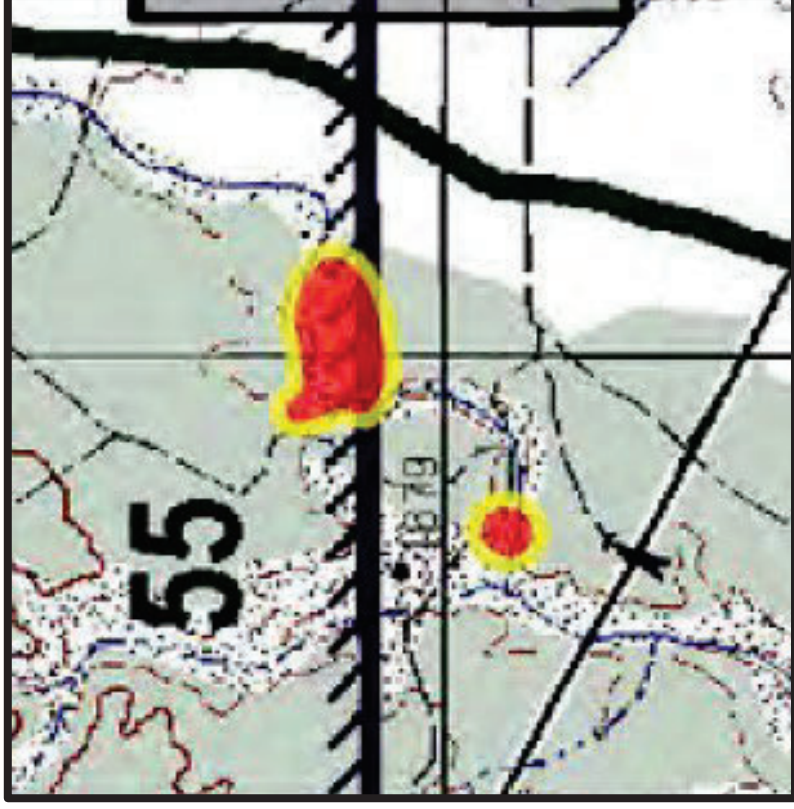


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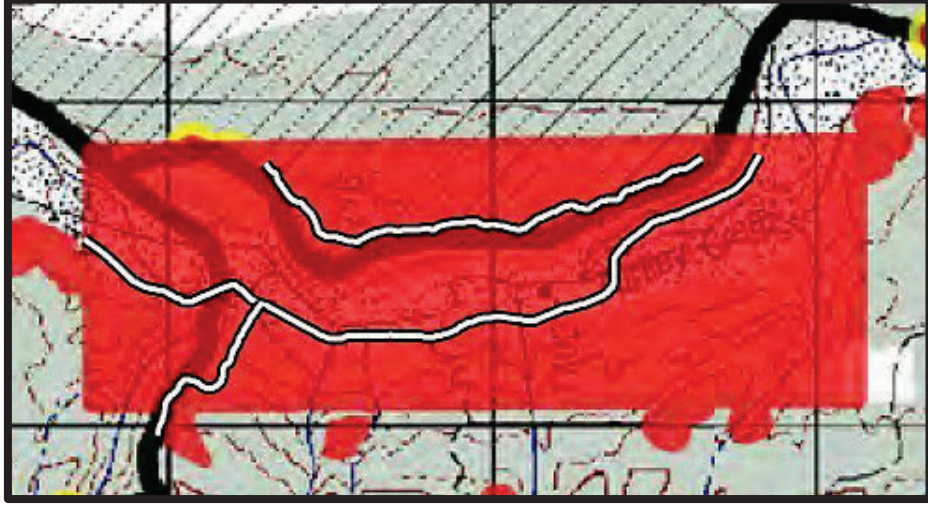
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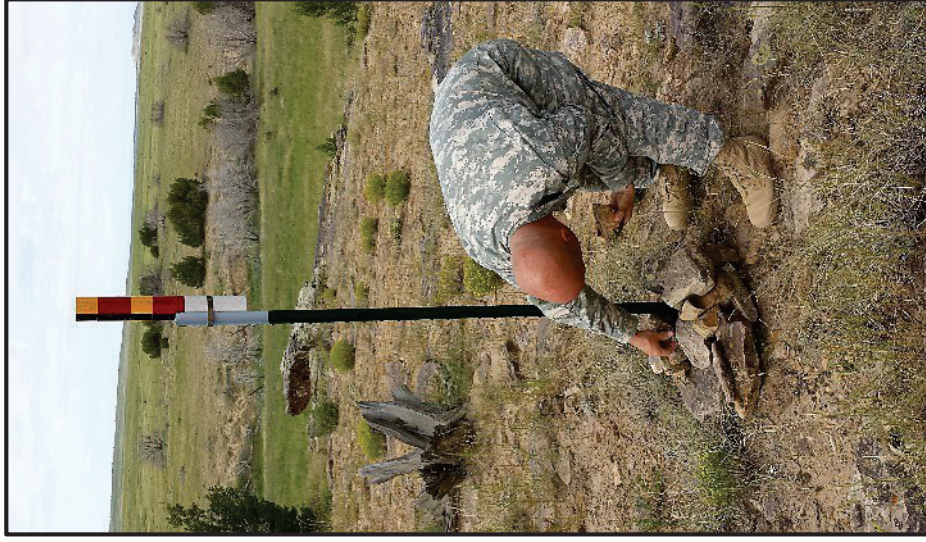
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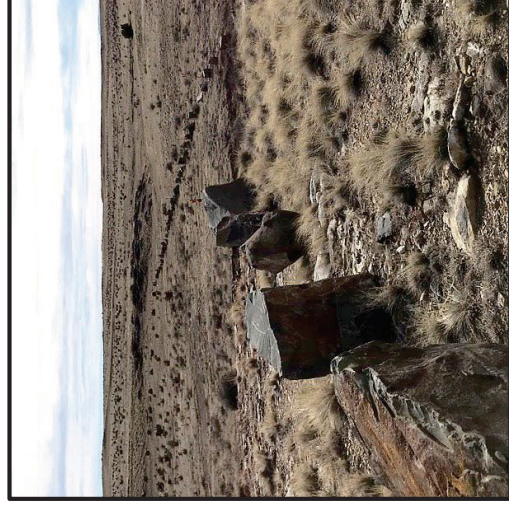


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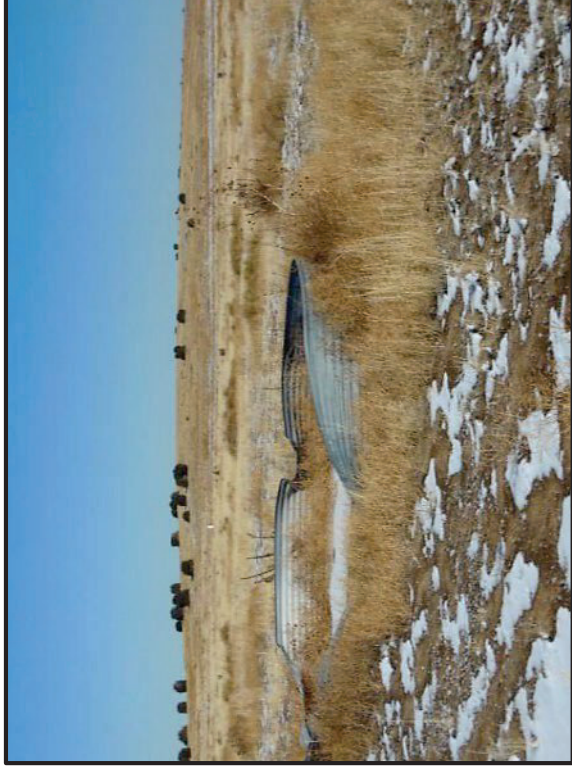
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IF YOU FIND ARTIFACTS, BONES, OR OTHER POSSIBLE CULTURAL ITEMS...

- Stop work immediately.
- Flag a protective buffer around the location of the discovery.
- Report the discovery to Range Operations & Cultural Resources Manager and/or PCMS Archaeologists.
- You will be notified by the Cultural Resources Manager or PCMS Archaeologists when you can proceed.

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SPILL RESPONSE

Refer to Fort Carson Environmental Battle Book, v 6.1, 2018, page 68, “Spill Clean Up and Reporting Oil/Hazardous Substance.”

- Spill cleanup is the unit’s responsibility.
- General response procedures:
 - Do not put personnel at risk.
 - Contain and report to your unit. Report location to Range Operations.
 - Spills of 5 gallons or more must be reported to Range Operations immediately.
 - Range Operations will contact the Fire Dept. Do not call 911 at PCMS.
 - Most spills are cleaned up by removing the contaminated soils.
 - Recovered contaminated soils will be transported to the PCMS Cantonment for disposal.



CITED RESOURCES

Environmental Battle Book, v 6.1, 2018

<https://home.army.mil/carson/application/files/4116/4976/7771/environmental-battlebook.pdf>

Integrated Cultural Resources Management Plan

<https://home.army.mil/carson/application/files/3716/4934/6831/2017-2021-icrmp.pdf>

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