

**FIRING/NONFIRING DATA**

For use of this form see USAIC Regulation 350-19; the proponent agency is DPTMS

**TO:** Chief,  
Range Division,  
Directorate of Plans, Training, Mobilization and Security  
Fort Benning, GA 31905

**Date:** April 10, 2012  
**Range:** Carmouche Range  
**Title:** MK19 Marksmanship  
**Problem No:**

Log #4-3-12

**THRU:** Chief, Range Operations, DPTMS

**FROM:** Chief, Survey Section, Range Operations, DPTMS

**SECTION I, TYPE OF TRAINING**

a. Live Fire       b. Non-live Fire      CP/Controller Coordinates: GA 1063 9508 (Tower)

**SECTION II, DEMOLITIONS/GRENADES/MINES/PYROTECHNICS**

Coordinates	Type	Model/DODAC	Size of Charges
N/A			

**SECTION III, WEAPONS/AMMUNITION REQUESTED**

Coordinates of Weapons Position	Type Weapon/Model Number	Type Ammunition	Left Limit	Right Limit
See Weapons & Ammo List	See Weapons & Ammo List	See Weapons & Ammo List	See Weapons & Ammo List	See Weapons & Ammo List

**SECTION IV, LIVE FIRE EXERCISES Attach the following:**

**SECTION V, NON-LIVE FIRE TRAINING**

<input checked="" type="checkbox"/> Scenario of training to be conducted:	Training area(s) to be occupied:
<input checked="" type="checkbox"/> Sketch of area:	
<input checked="" type="checkbox"/> Risk Assessment:	<input type="checkbox"/> Scenario of training to be conducted:
<input type="checkbox"/> Attach FB Form 350-19-2-E-R if Mortar or artillery is being fired:	<input type="checkbox"/> Sketch of area(s) to be occupied:
	<input type="checkbox"/> Risk Assessment:

Name/rank of requesting officer:  
*Benjamin T. Bolding*  
Benjamin T. Bolding, GS08, Chief Survey Technician

Name/rank of Major Unit S3/Commander:  
*Brad S. Tesch*  
Brad S. Tesch, GS12, Chief Range Operations, DPTMS

**SECTION VI, FOR RANGE DIVISION USE**

**DATE:** 25 April 12

**TO:** Chief, Range Operations, DPTMS

**FROM:** Range Division,  
Directorate of Plans, Training,  
Mobilization and Security  
Fort Benning, GA 31905

a. Roadblocks to be closed:  
b. Road(s) to be closed/road barrier locations:  
c. Remarks:  
d. This approval expires: *Indef*

See Roadblock List Enclosure.

Chief, Range Division  
Directorate of Plans, Training, Mobilization and Security

*Brad S. Tesch*

**Carmouche Range, Range Division MK19 Marksmanship Weapons/Ammo/Target List Enclosure (Log #4-3-12)**

<b>Firing Positions</b>	<b>Weapons</b>	<b>Ammunition</b>	<b>Left Limit, Mils Grid Azimuth</b>	<b>Right limit, Mils Grid Azimuth</b>
GA 1116 9502	MK19/MK47	40mm TP	1265	2275

<b>Target</b>	<b>Distance Meters</b>	<b>Target</b>	<b>Distance Meters</b>	
A305	741	A318	1536	
A306	755	TEMP 1	438	
A307	862	GROUP 5	605-628	
A308	755	GROUP 3	449-460	
A309	807	GROUP 7	759	
A315	1404			
A316	1396			
A317	1498			



DEPARTMENT OF THE ARMY  
INSTALLATION MANAGEMENT COMMAND  
SOUTHEAST REGION, GARRISON COMMAND  
35 RIDGEWAY LOOP, ROOM 385  
FORT BENNING, GA 31905

IMSE-BEN-PLT-R

24 April 2012

MEMORANDUM FOR Director, Plans, Training, Mobilization and Security, U.S. ARMY GARRISON,  
FORT BENNING, GA.31905

SUBJECT: Live Fire Scenario for Carmouche Range.

1. Commander's Intent. The intent is for Soldiers to conduct training on range determination, target detection, application of marksmanship fundamentals, live fire exercise (load, fire, reduce stoppage and other skills needed to engage a target) and safety procedures for the MK19/MK47.
2. Concept of Operation: Units conduct MK19/MK47 proficiency training in accordance with FB Form 350-19-1-E-R (Firing/Non Firing Data). All firing will be done on the firing Point on tripod or vehicle mount. Weapons to be fired:
  - a. MK19, MK47: 40mm TP
3. Scheme of Maneuver: Range is opened and closed thru range control by Cadre. User unit detail arrives and conducts range set up to include weapons placement under cadre supervision. As Soldiers arrive, they move to the designated staging area (Grid 1057 9509 just behind the VTCE Baseline. Cadre and Soldiers receive their Safety Briefing from the RSO/OIC. The Staging Area, Concurrent Training and Holding Area are all located at the grid (1057 9509 )
4. PURPOSE/TRAINING OBJECTIVE: Units require above training to fulfill a complete range of marksmanship training in accordance with wartime requirement. All three phases of training will be conducted at either the concurrent training area or holding area or firing lanes on the range. There will be no Ammunition in the concurrent training or the holding areas.
  - A: In the fundamental phase, the Soldiers will learn the following skills, such as dry-fire exercises, preparation of positions, manipulation of the T&E, range determination, and sighting and aiming. The Soldier must master these skills before progressing to the basic marksmanship phase. There will be a weapons and ammo check to make sure there are no live rounds during this dry fire exercise.
  - B: In the basic marksmanship phase, the Soldier learns the basic of loading, zeroing, and engaging of single and multiple targets from the firing point on the range.
  - C: In the advanced phase, the Soldier is trained in engaging stationary targets and firing using firing commands. All weapons will be fired from the firing point (See Firing Point Sketch).
  - D. Remedial training will be conducted in any of the phases of training where the Soldier does not meet the standard. The instructor will identify any Soldier having trouble with a task and will re-train the Soldier as soon as possible. This will allow the Soldier to maintain the same level of proficiency as the other Soldiers. Concurrent training area Located at grid 1057 9509, just behind the VTCE Base line
5. Scenario to be conducted:
  - a. Fire from the firing point (grid GA 1116 9502) the MK19 or MK47 with 40mm TP.

- b. Targets will be engaged only at ranges greater than 75m with TP ammunition. (See Target List)
- c. Weapons will only be fired when told to do so by the RSO/OIC. Soldiers will be told when to load, unload and clear the weapons.
- d. There will be no firing over open hatches when in the vehicle mount. Hatches will be closed and other vehicles must have the tops installed.
- e. Weapons will be Cleared before exiting the firing point IAW Weapons Clearing Procedures.

6. **Ammunition:**

- A: TP ammunition will be stored and secured at the Ammunition Supply Point.
- B: Range Cadre only, will control the ammo point and the issue to Firers.
- C: All unused ammunition will be turned back in to the Ammunition Point.

7. **Safety:**

- A: Field Litter Ambulance (FLA) and Medic will be on-site at all times.
- B: Unit will maintain continuous contact with Range Control at all times. If communications are lost the unit will go into a self induced check fire until communications are restored.
- C: When an incident occurs on the range, regardless of injury or not, the OIC/RSO will immediately call a cease fire and report it to Range Control and the using unit's higher headquarters. OIC/RSO will take action as directed by Range Control. The cease fire will remain in effect until the problem is resolved and cleared through Range Control. If the injury results in an injury, the OIC/RSO will use the procedures outlined in this medical paragraph. The following information will be furnished by the OIC/RSO to Range Control:
  - a. Designation of unit.
  - b. Range and location
  - c. Type of weapon involved.
  - d. Type of ammunition involved.
  - e. Brief summary of what happened.
  - f. Personnel injuries and extent.
  - g. Full Name, SS#, Rank and unit of injured personnel.
  - h. Extent of property damage.
  - i. Intentions regarding an AR 15-6 investigation.
- D: Medical: in the event of an accident, injury or illness, the RSO/OIC will immediately call a cease fire then call 911 using the standard 9 line MEDEVAC to determine what type of evacuation is the most appropriate for the injury (loss of life, limb, or eyesight. MEDEVAC will be IAW MCoE Regulation 350-19 and USAIC 40-2. Landing zone for MEDEVAC aircraft will be established prior to use and will be marked appropriately. Range Control will be notified in this event. The cease fire will remain in effect until cleared through Range Control
- E: All personnel to include using unit cadre and Soldiers will receive a safety briefing from the 'Range Safety Officer' prior to any training.

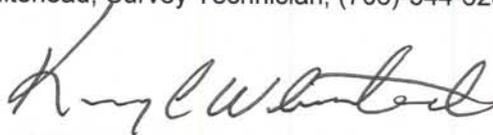
- F: All personnel will have IBA, ear and eye protection to include the Cadre.
- G: One 'Safety NCO/DS Safety' per every firer.
- H: Personnel recovering M918 40mm TP projectiles will follow the procedures outlined in TB 9-1310-251-10. The use of protective goggles or face shield, gloves, and tongs while handling M918 TP rounds is mandatory. RSO/OIC will supervise this procedure. RSO/OIC must get clearance From the Fire Desk (Range Control) before moving down range to do the clean up.
- I: Safeties will ensure left and right limits are not violated.
- J: All 'Risk Management Worksheet' concerns will be observed. Violations of any will be brought to the attention of the RSO, Range Cadre, DS cadre or Trainee Leaders to be addressed. **Using unit must have a Risk Management Worksheet signed by Post Safety prior to using this range.**
- K: All fire extinguishers will be operational and in place.
- L: Uniform: as per Unit SOP.
- M: Weapons/Ammunition Malfunction Reports: When a malfunction is experienced, the RSO/OIC will suspend all firing and immediately notify Range Control. Retain the weapons and all components and ammunition involved in place. The cease fire will remain in effect until cleared through Range Control. An investigation is required and will be conducted by DOL.
- N: Weapons will be on safe and oriented down range while on the firing point.
- O: Signal to fire will be verbal, bullhorn, or whistle.
- P: During firing on the range, anyone observing an unsafe act can call a cease fire by using hand and arm signals and/ or vocal command to cease fire.
- Q: In the event of a misfire round, the procedures outlined in MCoE 350-19, will be followed.
- R: There will be no Delinking and or Relinking of ammunition and its use is not authorized.
- S: Soldiers will be briefed on and shown where their respective targets are located on the range prior to firing. (See Target Enclosure)
- T: Range will be cleaned and policed prior to Unit departure.
- U: **There will be no deviations to this packet unless it is approved by Range Control.**
- V: All Risk Management Worksheets control will be implemented. Violations of any will be brought to the attention of the RSO/OIC, or Range Cadre.

8. **Weapons Clearing Procedures:**

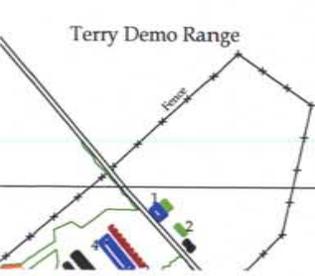
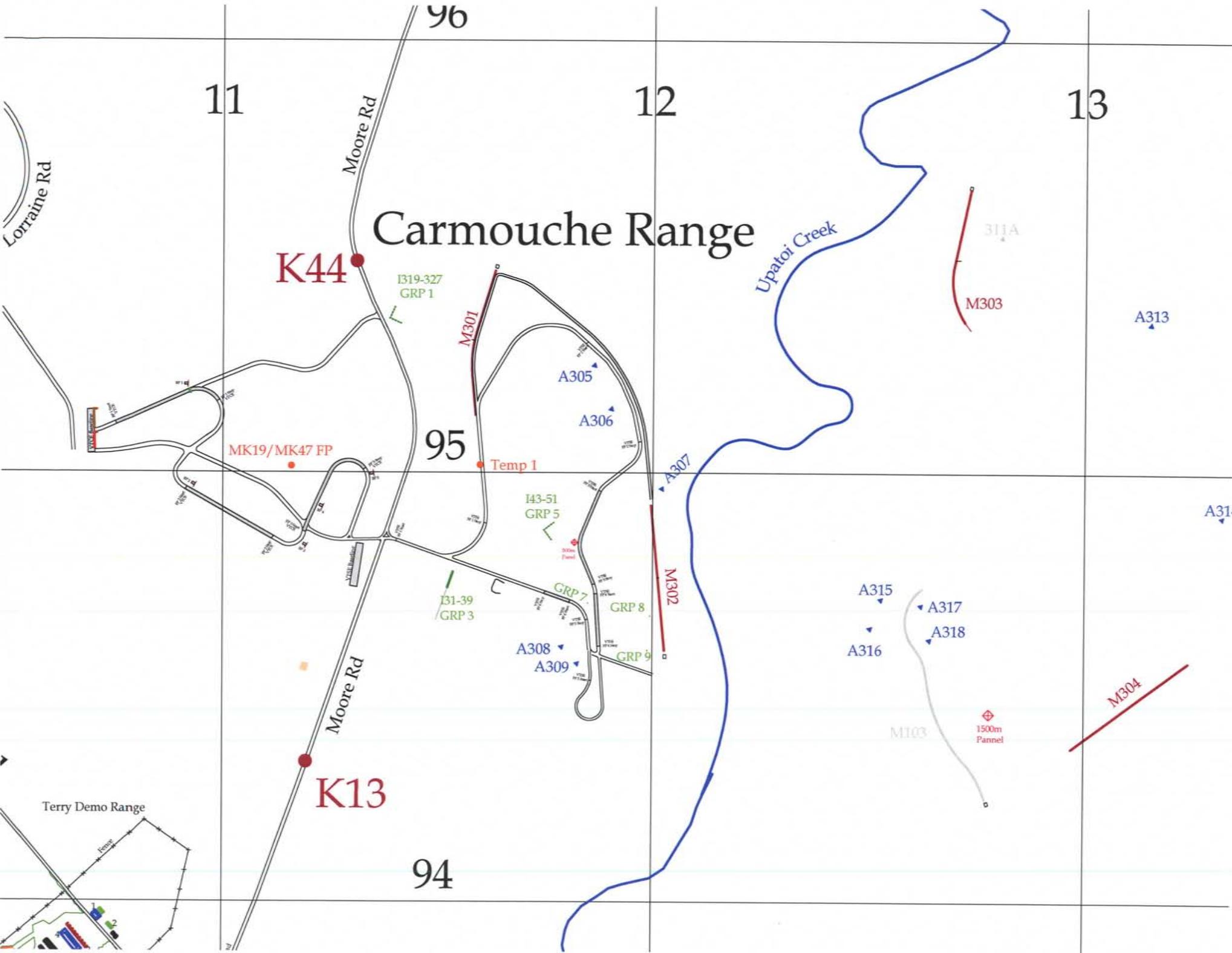
- A. Weapons will be visually inspected/cleared by a qualified range safety. This person cannot be a Soldier in training.

4) Once off the Firing Point Soldiers will be contained in a small assembly area where a full ammunition and brass check will be conducted by the Range Safety Officer before being released back with the remainder of the Soldiers on the range.

9. POC for this memorandum is Kenneth Whitehead, Survey Technician, (706)-544-6267.

A handwritten signature in black ink, appearing to read "Kenneth L. Whitehead". The signature is written in a cursive style with a large initial "K".

KENNETH L. WHITEHEAD  
GS07, Survey Technician  
Range Operations



# Carmouche Range



Lott Line Rd

Mboire Rd

Urakon Creek

M303

19327  
GRP 1

A305

A306

MK19/MK47 FP

Temp 1

143-51  
GRP 5

GRP 7

GRP 8

131-39  
GRP 3

A308

A309

GRP 9

M302

A317

A318

A316

Tony Demo Range

Mboire Rd



12

13

14

Rinehart Creek

M303

A313

Trail #3

Rinehart Road

Trail #2

A314

GRP 8

M307

A317

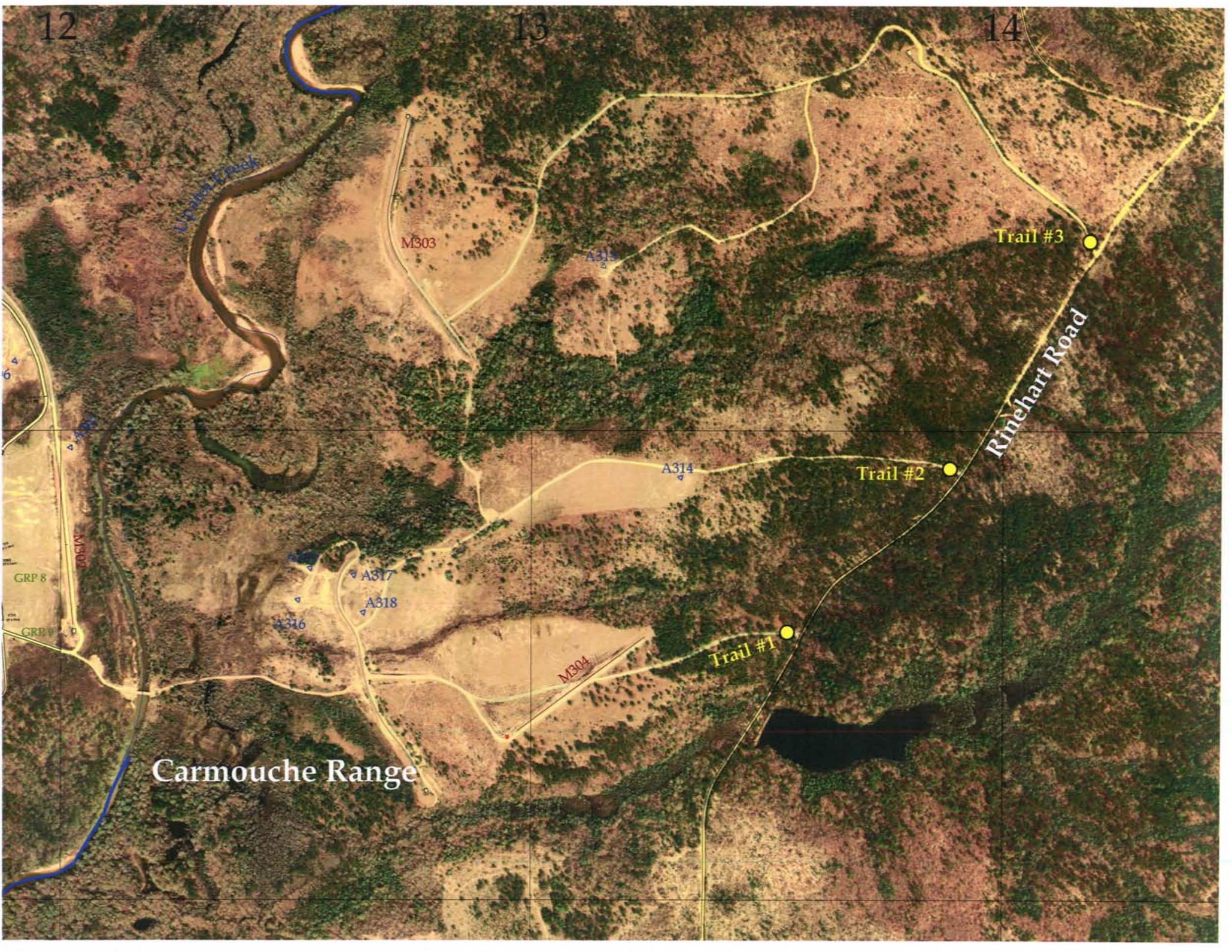
A318

A316

M304

Trail #1

Carmouche Range



### Carmouche Range, Range Div MK19 Marksmanship (Log #4-3-12) Roadblocks 12 JAN 2012

#	GRID	LOCATION	TYPE
K-2	GA 163 883	Across Box Springs Rd 125m N. of its intersection with Buena Vista Rd.	Gate
K-3	GA 153 894	Across entrance road leading to Concord OP 250m N. of its intersection with Buena Vista Rd.	Gate
K-4	GA 144 901	Across entrance road leading to Hartell Bunkers 50m N. its of intersection with Buena Vista Rd.	Gate
K-5	GA 117 920	Across Shamanski Rd 25m N. of its intersection with Buena Vista Rd.	Gate
K-7	GA 095 935	Across Audernarde Trail 10m E of its intersection with Lorraine Road.	Gate
K-8	GA 099 947	Across Bulls Eye Rd 50m E of its intersection with Lorraine Road.	Gate
K9	GA 105 927	Across Audernarde Trail 30m W of Moore Rd, 575m N of Buena Vista Rd & Moore Rd intersection.	Gate
K-10	GA 118 920	Across Buena Vista Rd at K-5 road block. (Road guard location).	Gate
K-11	GA 105 927	Across Moore Rd 20m N. of its intersection with Audernarde Trail. Entrance to Terry Demo Rng. (Road guard location)	Gate
K-12	GA 104 988	South of tower on Stationary gunnery Range # 1	Gate
K-13	GA 112 943	Across Moore Rd 680m N. of its intersection with Bullseye Rd.	Gate
K-14	GA 113 998	Across Moore Rd 10m S. of its intersection with Lorraine Rd.	Gate
K-15	GA 114 999	Across course road leading out of Ruth Range 50m E. of its intersection with Moore Rd.	Gate
K-16	GB 190 003	Across Rinehart Rd 100m W. of its intersection with Box Springs Rd.	Gate
K-17	GB 116 013	Across unnamed trail 15m E. of Moore Rd and 130m N. of Ruth Range tower.	Cable
K-18	GB 122 033	Across Moore Rd. at the northern reservation boundary. Permanently closed.	Berm
K-19	GB 121 023	Across unnamed trail 1400m N. of Ruth Range and 150m E of Moore Rd.	Cable
K-20	GB 141 026	Across unnamed trail off northern boundary trail along railroad tracks 400m E. of Cox Creek ford.	Cable
K-24	GA 219 968	Across Turrentine Rd at reservation boundary. Permanently closed.	Barrier/ Berm
K-25	GA 180 923	Across unnamed trail leading to Shiloh Trail 10m W. of Box Springs Rd. Permanently closed.	Cable
K-26	GA 201 968	Across Turrentine Rd 20m W. of its intersection with Boundary Rd.	Gate

#	GRID	LOCATION	TYPE
K-28	GA 191 885	Across Whitson Rd 15m W. of its intersection with Cactus Rd.	Cable
K-30	GA 193 916	Across Cactus Rd 150m N. of Pine Knot Creek. Permanently closed.	Gate
K-32	GA 192 915	Across Shamanski Rd 35m W. of its intersection with Cactus Rd.	Gate
K-34	GA 134 932	Across Buzancy Trail at its intersection with Rinehart Rd. Permanently closed.	Berm
K-36	GA 162 882	Across Buena Vista Rd 50m W. of its intersection with Box Springs Rd. (Road guard location).	Gate
K-38	GA 201 941	Across unnamed trail 35m W. of its intersection with the east boundary road. Permanently closed.	Cable
K-39	GA 202 949	Across unnamed trail 15m W. of its intersection with the east boundary road. Permanently closed.	Cable
K-40	GA 174 908	Across Box Springs Rd 30m S. of Pine Knot Creek.	Gate
K-41	GA 192 944	Across Kennesaw Trail 30m W. of its intersection with Box Springs Rd.	Cable
K-42	GA 194 956	Across Box Springs Rd 1200m N. of its intersection with Cactus Rd.	Gate
K-43	GA 197 984	Across Box Springs Rd. approx 450m N. of its intersection with the Hastings Range baseline road.	Cable
K-44	GA 113 955	Across Moore Rd on the N. side of Carmouche Range maneuver box.	Gate
K-45	GA 115 961	Across Moore Rd 300m S. of its intersection with the old Ware Range course road.	Gate
K-46	GA 119 979	Across Moore Rd 725m S. of its intersection with Americo Trail.	Gate

Note: Unit will coordinate with target personnel on Carmouche Range for assistance in blocking the three target access trails located at the back side of Carmouche Range starting at Rinehart Road. Trail #1 = 1355 9457. Trail #2 = 1390 9491. Trail #3 = 1419 9539. Unit will receive clearance from Range Control prior to proceeding east of Uppatoi Creek. If access is denied, then Unit will close K5 and K16 roadblocks in addition to closing K13 and K44.



## RECORD OF ENVIRONMENTAL CONSIDERATION (REC)



**EMD Number:** 1125803      **Project#:** UNKNOWN      **Project Title:** 19D OSUT LIVE FIRE BRADLEY GUNNERY

**Description of proposed action:**

BRADLEY FIGHTING VEHICLE 25MM M793 TPT, M240C A131 4 BALL 1 TRACER MIX, HMMWV MOUNTED M2 .50CAL A557 4 BALL 1 TRACER MIX, BIPOD FIRE M240B 7.62 A131 4 BALL 1 TRACER MIX, TRIPOD MOUNTED MK19 40MM TP LINKED

**Project Location:**

BROOKS RANGE, WARE RANGE, CARMOUCHE RANGE, RUTH RANGE, AND RED CLOUD RANGE

**Amount, Description, Location of Disturbance/Digging:**

NA

**Number/Types of Vehicles:**

None

**Number of Personnel:**

None

**Type of Ammunition:**

25MM M793 TP-T,  
A131 4/1, A557 4/1,  
40MM TP LINKD Live

**Number/Types of Trees:**

NONE

**Size of Project Area:**

**Duration of Action:** Start: 10/1/2011      Stop: 9/30/2012

**Proponent:** SSG McMullen 626-4128

**Organization/Unit:** 5-15CAV, 194TH AB

\*\*\*\*\*  
**DECISION:** Concur with conditions

**This Action is adequately covered in the Existing EA titled: 'Ongoing Mission and siting Activities, USAIC, Ft. Benning, GA.'**

**(NA): Training involving LIVE FIRE and tracked vehicles has NO CATEX -- "Ongoing Mission and Siting Activities, USAIC, Ft. Benning, GA."**

**REC APPROVED THROUGH 30 SEPTEMBER, 2012**

**Watershed Management**

None

Hugh Westbury (706 545 7882), 9/27/2011

**Noise**

**Conditions:**

Ellis Leeder ( 706 545 7576), 9/15/2011

This is normal training operations that must be conducted. If there is any noise complaints received, the Environmental Management Division Installation Operational Noise Monitoring Program (IONMP) and or Public Affairs Office (PAO) programs will investigate by determining if the noise was detected by noise detection monitors, and then recommending operational noise mitigation actions to the appropriate personnel for the training actions. In accordance with the Army's policy on environmental noise management, all efforts shall be made to minimize noise annoyances to the highest extent practicable with training operations without interfering with the proposed missions. Please follow the fly friendly program avoiding no fly zones. Please follow good smoke management practices not allowing smoke to travel off Installation boundary into public areas or roads. CS gas use should be utilized in designated areas only, contact Range Control for a listing of approved sites. If any assistance or a copy of MCoE Regulation 350-19 or the IONMP noise program is needed for review, please feel free to contact Ellis Leeder at 706.545.2400 or email ellis.leeder@us.army.mil

**Natural Resources - RCW**

None

Michael Barron (706 544 7080), 9/16/2011

**Natural Resources - Wetlands**

None

Gary Hollon (706 544 7070), 9/15/2011

**Cultural Resources -  
Archeological**

None

Edward Howard (706 545 1898), 9/15/2011

EMD Number: 1125803

IJO# UNKNOWN

Project Title: 19D OSUT LIVE FIRE BRADLEY GUNNERY

Hazardous Materials/Waste

Conditions:

Dudley Carson (706 545 7570), 9/19/2011

Considerations for Field Training Exercises and Range Operations

1. Appropriate precautions must be taken to prevent hazardous material spills. Have adequate quantities of spill response supplies on hand. If a spill occurs use notification procedures as outlined in the Fort Benning Hazardous Waste Management Plan. Contain and clean up spill according to guidance provided by the Environmental Protection Management Branch. Any waste generated must undergo a waste stream analysis to determine appropriate management requirements. If any hazardous waste is generated it must be managed in accordance with Federal, State, Army and Fort Benning regulations.
2. Ensure personnel know the correct procedure for handling misfires at the range:
  - Closed containers (ammunition can marked 'MISFIRES') will be used for the collection of misfires at each firing range.
  - The MISFIRE container will stay closed except to add or remove misfires.
  - Misfires SHALL NOT BE COLLECTED in any open container or cardboard box.
 All excess, unused munitions (including smoke canisters) must be returned to the Ammunition Supply Point (ASP) after the range operation is complete. Defective, misfired, or otherwise unserviceable munitions may be destroyed on the range, as part of the training exercise, in coordination with EOD.  
 A dud shall not be removed from the range; it will be marked, called into range control and will be properly disposed of by EOD personnel IAW/MCOE Reg 350-19, dated 23 July 2010.
3. Rubbish, empty containers and other waste shall be removed from the training area after the exercise. Contact EPMB for detailed information on the proper disposal of waste products resulting from the exercise.
4. Contact POC for questions or additional guidance.

CWA - Training

Conditions:

Jessica Taylor (706-604-4572), 9/19/2011

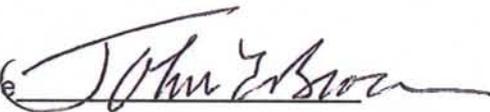
Environmental Review: Caution within training areas and motor pools should be taken to protect all nearby waterways (including perennial, intermittent streams and wetlands); as well as ground surfaces and any other sensitive areas in the vicinity of the training areas. Potential spills/releases from this activity that may occur before and/or during the FTX include: 1. Discharge and/or improperly disposal of oil or hazardous substances into or upon land, water, or into ground water areas from storage, handling and/or transportation of hazardous materials/waste; 2. Vehicle/equipment/generators leaks; 3. Fuel loading/unloading/refueling operations; 4. Field mess facilities/equipment/operations, and/or 5. Ammunitions /explosives (as applicable, before and/or during the FTX).

General SPCC Requirements: Ensure all hazardous materials are properly storage to prevent spill/discharges, to meet safety requirements for storage, and that containers are not exposed to the weather. Have adequate spill response supplies available during exercise for any spills that may likely occur. Use drip pans under vehicles and provide secondary containment for any fueling activities and hazardous material/waste storage. Locate all refueling operations and storage of hazardous materials/waste away from waterways and sensitive areas. See attached section on prevention procedures and CHECKlist (Figure 6.9.1) to be used during training exercise to comply with SPCC plan requirements. Ensure all wastewater from field mess equipment/operations particularly those involving oil/grease are collected and dispose properly. Do not discharge any wastewater into storm drains or dispose of oil/grease waste directly into land.

General ISCP Requirements: In the event of a spill/discharge -- notify Range Control by radio or call 544-6291, and they will notify E-911 for Fire Department/HAZMAT Team assistance and/or notification of the EMD office (Spill Beeper 706-317-6584). As appropriate, and if personnel are trained – REACT to minimize spill damages. Submit a spill report to the EPMB Spill Program Manager (use Spill Response Report attached). All spills reaching navigable water must be reported immediately. The unit is responsible for the final cleanup of any spill during this exercise. Coordination with this office is required for clearance of the site.

SPECIAL NOTE: See 2010 ASP SOP Training and Deployment.doc for further training requirements.

Signature



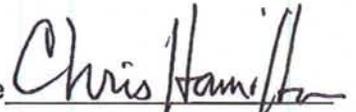
John E Brown

NEPA Program Manager

Date

29 Sep 2011

Signature



Christopher E. Hamilton, PhD

EPMB Chief

Date

30 Sept

