

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: 28 July 2015
Range: Carmouche Range
Title: Gunnery/Marksmanship Training
Problem No: NA

Log # 07-09-15

THRU: Chief, Range Operations
Fort Benning, GA 31905

FROM: Survey
Fort Benning, GA 31905

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	NA	NA	NA

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

- Scenario of training to be conducted:
- Sketch of area:
- Risk Assessment:
- Attach FB Form 350-19-2-E-R if Mortar or artillery is being fired:

- Training area(s) to be occupied:**
- Scenario of training to be conducted:
 - Sketch of area(s) to be occupied:
 - Risk Assessment:

Name/rank of requesting officer:
John T. Flores
John T. Flores, GS07, 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: 4 August 2015

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.

Laser warning signs will be posted prior to use.

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

Brad S. Tesch



DEPARTMENT OF THE ARMY
INSTALLATION MANAGEMENT COMMAND
ATLANTIC REGION
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IMSE-BEN-PL

25 Feb 2015

MEMORANDUM FOR Directorate of Plans, Training, Mobilization, and Security, U.S. Army Garrison, Fort Benning, Georgia, 31905.

SUBJECT: Carmouche Standard Range Operations Packet (Scenario).

1. The intent of this memorandum is to provide units on and off post a standard training scenario on Tank, Bradley, Stryker, and Unstabilized/Stabilized Gunnery (Wheel Vehicles).
2. Phase One (1): LFAST (Live Fire Action Screening Test/Bore sight): All bore sighting will be conducted from the approved bore sight line located. (See sketch for location).
3. Phase One Alpha (1A): Day and Night live fire engagements: Day and night engagements will be conducted IAW FM 3-20.21, using the approved targets. Battle positions and maneuver firing boxes from Range Operations Alpha Base. (See Enclosure 2 Range Division approved Target List).
 - a. Weapons Authorized: M1 Tank (M256), BFV (M242), Stryker (M68) In-Bore Aim Test, M2, M240/MK48, M249, and MK19/MK47.
4. Phase Two (2): M1 Tank and Machine Gun Screening (500m-7.62mm, .50 cal, and 1500m-120mm) is located at grid GA 12780 94441 for M1 Tank (120mm), GA 11817 94838 for M1 Tank (.50 cal), and for M1 Tank, 7.62mm (See sketch for location).
 - a. Events: Screening and bore sighting.
5. Phase three (3): VTCE Baseline Firing.
 - a. VTCE Baseline is located at grid GA 1070 9514 to 1070 9504.
 - b. Vehicle/Weapon will be the M1 Tank/Bradley/Stryker/Wheel Vehicles with the 120mm, 105mm, and 25mm, M2, In-Bore Aim Test and M240/MK48 mounted.
 - c. Targets are listed with left and right limits and ammunition in standard target list. Only targets listed in target list will be engaged.
 - d. **Only six (6) vehicles will occupy and fire stationary from the Base Line at a time. Vehicles will only engage their assign targets based on their location. All vehicles will be buttoned up when firing the M865 and M1002 SABOT PETAL round.**
6. Phase Four (4): VTCE Maneuver/Firing Point firing.

a. VTCE FP 1 Start/Stop is located at grid GA 1075 9511 (START) and GA 1099 9517 (STOP).

b. Vehicle/Weapon will be the M1 Tank/Bradley/Stryker/Wheel Vehicles with the 120mm, 105mm, and 25mm, M2, In-Bore Aim Test and M240/MK48 mounted.

c. Targets are listed with left and right limits and ammunition in standard target list. Only targets listed in target list will be engaged.

d. Only one vehicle will maneuver and fire from the Firing Point Position. Movement from one Firing Point Position to the other is authorized. Vehicle will only engage their assign targets based on their location. This procedure will apply to all Firing Point Position firing.

e. VTCE FP 2 Start/Stop is located at grid GA 1091 9496 (START) and GA 1112 9485 (STOP).

f. Vehicle/Weapon will be the M1 Tank/Bradley/Stryker/Wheel Vehicles with the 120mm, 105mm, and 25mm, M2, In-Bore Aim Test and M240/MK48 mounted.

g. Targets are listed with left and right limits and ammunition in standard target list. Only targets listed in target list will be engaged.

h. Only one vehicle will occupy the Firing Position.

i. FP 3 Start/Stop is located at grid GA 1119 9486 (START) and GA 1133 9501 (STOP).

j. Vehicle/Weapon will be the M1 Tank/Bradley/Stryker/Wheel Vehicles with the 120mm, 105mm, and 25mm, M2, In-Bore Aim Test and M240/MK48 mounted.

k. Targets are listed with left and right limits and ammunition in standard target list. Only targets listed in target list will be engaged.

l. Only one vehicle will occupy the Firing Position.

7. Phase Five (5): VTCE Maneuver/Battle Position firing.

a. VTCE BP1 is located at grid GA 1092 9520.

b. Vehicle/Weapon will be the M1 Tank/Bradley/Stryker/Wheel Vehicles with the 120mm, 105mm, and 25mm, M2, In-Bore Aim Test and M240/MK48 mounted.

c. Targets are listed with left and right limits and ammunition in standard target list. Only targets listed in target list will be engaged.

d. Only one vehicle will occupy the Battle Position.

e. VTCE BP2 is located at grid GA 1093 9497.

f. Vehicle/Weapon will be the M1 Tank/Bradley/Stryker/Wheel Vehicles with the 120mm, 105mm, and 25mm, M2, In-Bore Aim Test and M240/MK48 mounted.

g. Targets are listed with left and right limits and ammunition in standard target list. Only targets listed in target list will be engaged.

h. Only one vehicle will occupy the Battle Position.

i. VTCE BP3 is located at grid GA 1119 9483.

j. Vehicle/Weapon will be the M1 Tank/Bradley/Stryker/Wheel Vehicles with the 120mm, 105mm, and 25mm, M2, In-Bore Aim Test and M240/MK48 mounted.

k. Targets are listed with left and right limits and ammunition in standard target list. Only targets listed in target list will be engaged.

l. Only one vehicle will occupy the Battle Position.

m. VTCE BP4 is located at grid GA 1123 9492.

n. Vehicle/Weapon will be the M1 Tank/Bradley/Stryker/Wheel Vehicles with the 120mm, 105mm, and 25mm, M2, In-Bore Aim Test and M240/MK48 mounted.

o. Targets are listed with left and right limits and ammunition in standard target list. Only targets listed in target list will be engaged.

p. Only one vehicle will occupy the Battle Position.

q. VTCE BP5 is located at grid GA 1135 9500.

r. Vehicle/Weapon will be the M1 Tank/Bradley/Stryker/Wheel Vehicles with the 120mm, 105mm, and 25mm, M2, In-Bore Aim Test and M240/MK48 mounted.

s. Targets are listed with left and right limits and ammunition in standard target list. Only targets listed in target list will be engaged.

t. Only one vehicle will occupy the Battle Position.

8. Phase Six (6): VTSE Baseline Firing.

a. VTSE Baseline is located at grid G 1133 9483 to GA 1131 9473.

b. Vehicle/Weapon will be the M1 Tank/Bradley/Stryker/Wheel Vehicles with the 120mm, 105mm, and 25mm, M2, In-Bore Aim Test and M240/MK48 mounted.

c. Targets are listed with left and right limits and ammunition in standard target list. Only targets listed in target list will be engaged.

d. Only six (6) vehicles will occupy and fire stationary from the Base Line at a time. Vehicles will only engage their assign targets based on their location. All vehicles will be buttoned up when firing the M865 and M1002 SABOT PETAL round.

9. Phase Seven (7): VTSE Maneuver/Firing Point Firing.

a. VTSE FP 1 Start/Stop is located at grid GA 1140 9484 (START) and GA 1159 9484 (STOP).

b. Vehicle/Weapon will be the M1 Tank/Bradley/Stryker/Wheel Vehicles with the 120mm, 105mm, and 25mm, M2, In-Bore Aim Test and M240/MK48 mounted.

c. Targets are listed with left and right limits and ammunition in standard target list. Only targets listed in target list will be engaged.

d. Only one vehicle will maneuver and fire from the Firing Point Position. Movement from one Firing Point Position to the other is authorized. Vehicle will only engage their assign targets based on their location. This procedure will apply to all Firing Point Position firing.

e. VTSE FP 2 Start/Stop is located at grid GA 1185 9530 (START) and GA 1195 9516 (STOP).

f. Vehicle/Weapon will be the M1 Tank/Bradley/Stryker/Wheel Vehicles with the 120mm, 105mm, and 25mm, M2, In-Bore Aim Test and M240/MK48 mounted.

g. Targets are listed with left and right limits and ammunition in standard target list. Only targets listed in target list will be engaged.

h. Only one vehicle will occupy the Firing Position.

i. VTSE FP 3 Start/Stop is located at grid GA 1183 9481 (START) and GA 1186 9474 (STOP).

j. Vehicle/Weapon will be the M1 Tank/Bradley/Stryker/Wheel Vehicles with the 120mm, 105mm, and 25mm, M2, In-Bore Aim Test and M240/MK48 mounted.

k. Targets are listed with left and right limits and ammunition in standard target list. Only targets listed in target list will be engaged.

l. Only one vehicle will occupy the Firing Position.

m. VTSE FP 4 Start/Stop is located at grid GA 1187 9472 (START) and GA 1188 9460 (STOP).

n. Vehicle/Weapon will be the M1 Tank/Bradley/Stryker/Wheel Vehicles with the 120mm, 105mm, and 25mm, M2, In-Bore Aim Test and M240MK48 mounted.

o. Targets are listed with left and right limits and ammunition in standard target list. Only targets listed in target list will be engaged.

p. Only one vehicle will occupy the Firing Position.

q. VTSE FP 5 Start/Stop is located at grid GA 1186 9452 (START) and GA 1185 9466 (STOP).

r. Vehicle/Weapon will be the M1 Tank/Bradley/Stryker/Wheel Vehicles with the 120mm, 105mm, and 25mm, M2, In-Bore Aim Test and M240/MK48 mounted.

s. Targets are listed with left and right limits and ammunition in standard target list. Only targets listed in target list will be engaged.

t. Only one vehicle will occupy the Firing Position.

10. Phase Eight (8): MK19/MK47 Marksmanship Training.

a. FP location is GA 1116 9502.

b. Vehicle/Weapon will be Wheel Vehicles with MK19/MK47 mounted or dismounted on a tripod.

c. Targets are listed with left and right limits and ammunition in standard target list. Only targets listed in target list will be engaged.

d. Only one vehicle will occupy the Firing Position and fire.

e. In the fundamental phase, the Soldier will learn the following skills, such as dry-fire exercise, preparation of position, manipulation of the T&E, range determination, sighting and aiming.

f. 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.

g. 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 on the range.

h. Targets will be engaged only at ranges greater than 75 meters with TP ammunition (See target list).

i. Firing over open hatches is prohibited when firing from vehicle mount. Hatches will be closed and other vehicles must have the tops installed.

11. Phase Nine (9): VTSE Baseline Marksmanship Training (Zero/ALT-C/CQM/Reflexive/Stress).

a. VTSE Baseline is located at GA 1133 9483 to GA 1131 9473.

b. Weapons will be M4/M16/MK16/M9.

c. Targets can be placed at 10 meters or 25 meters.

d. VTSE Baseline has firing points.

12. Safety:

a) **LASER's:** Laser, ground or airborne, must have vertical backdrop and away from reflective surface. Class III A lasers are not eye safe on dual low mode within 25 meters. PEM – 1A is not a tactical laser and must be used within 25 meters. Laser warning signs will be in place prior to opening the range. Range safety briefing will include hazards using lasers and NVD's.

b) **Communications:** Unit will maintain continuous contact with Range Division Alpha Base at all times. If communications are lost the unit will go into a self imposed check fire until communications are restored.

c) **Incident:** 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 Division Alpha Base and the using unit's higher headquarters. OIC/RSO will take action as directed by Range Division Alpha Base. The cease fire will remain in effect until the problem is resolved and cleared through Range Division Alpha Base. If the incident results in an injury, the OIC/RSO will use the procedures outlined in the medical paragraph. The following information will be furnished by the OIC/RSO to Range Division Alpha Base:

- 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 OIC/RSO 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 MCoE 40-2. Landing zone for MEDEVAC aircraft will be established prior to use and will be marked appropriately. Range Division Alpha Base will be notified in this event. The cease fire will remain in effect until cleared through Range Division Alpha Base.

e. **Ammunition:** There will be no de-linking or re-linking of any ammunition. Any ammunition that has been de-or re-linked is considered nonstandard and is prohibited from the range.

f. **Weapons/Ammunition Malfunction Reports:** When a malfunction is experienced, the OIC/RSO will suspend all firing and immediately notify Range Division Alpha Base. The weapons and all components and ammunition involved will remain in place. The cease fire will remain in effect until cleared through Range Division Alpha Base. An investigation is required and will be conducted by the ammunition and weapons inspection personnel and DOL.

g. **Ammo Point:** The ammo NCO will control the issue and retrieval of all ammunition. All ammunition (blank, live, HE, TP-T, etc...) will be marked and physically separated within the ammo point (or separate ammo points) and signed by the ammo NCO.

h. Rehearsals: The "Crawl-Walk-Run" method of training will be standard for all LFX. A detailed leader's TEWT will outline all range fans, restrictions, and safety considerations. Day/Night dry-blank fire exercises will be conducted prior to getting clearance to participate in any live fire exercise (LFX). The day phase will be completed prior to the night phase. The dry-fire, blank-fire exercise and the live fire exercise will have dedicated observer/controller teams.

i. Signals: Primary means of signaling cease fire will be FM communications. Alternate signal will be colored smoke/star cluster/VS-17 panel. Emergency cease fire will be RED SMOKE. All signals will be included in the initial safety briefing. Anyone observing any unsafe act can call for a cease fire.

13. POC for this memorandum is Benjamin Bolding at 706-544-6342.



Brad Tesch

GS12

Chief, Range Operations

Carmouche Range Division Gunnery/Marksanship Training (Log #07-09-15) Weapons/Ammo & Target List (Page 1 of 3)

Firing Positions	Weapons	Ammunition	Left Limit Mils, Grid Az	Right Limit Mils, Grid Az
VTCE Baseline: 1070 9514 to 1070 9504	M240/MK48 M2: BFV M242 M1 Tank M256; STRYKER M68	7.62mm Ball/Tracer, .50 cal Ball/Tracer; 25mm M793, M910, 120mm M831/1028, M865, M1002; 105mm M490A1, .50cal SLAP-T-M962	120mm - M865/M1002 - 73 deg, .50cal SLAP-T M962 - 73 deg, 120mm - M831/1028 - 72 deg, 105mm - M490A1 - 72 deg, 25mm - M910/M793 - 72, .50cal Ball/Tracer/7.62mm Ball/Tracer - 71 deg,	120mm - M865/M1002 - 114 deg, .50cal SLAP-T M962 - 114 deg, 120mm - M831/1028 - 114 deg, 105mm - M490A1 - 114 deg, 25mm - M910/M793 - 114 deg, .50cal Ball/Tracer/7.62mm Ball/Tracer - 114 deg,
BP1: 1092 9520	M240/MK48 M2: BFV M242 M1 Tank M256; STRYKER M68	7.62mm Ball/Tracer, .50 cal Ball/Tracer; 25mm M793, M910, 120mm M831/1028, M865, M1002; 105mm M490A1, .50cal SLAP-T-M962	120mm - M865/M1002 - 70 deg, .50cal SLAP-T M962 - 73 deg, 120mm - M831/M1028 - 70 deg, 105mm - M490A1 - 72 deg, 25mm - M910/M793 - 72, .50cal Ball/Tracer/7.62mm Ball/Tracer - 71 deg,	120mm - M865/M1002 - 125 deg, .50cal SLAP-T M962 - 125deg, 120mm - M831/M1028 - 125 deg, 105mm - M490A1 - 125 deg, 25mm - M910/M793 - 125, .50cal Ball/Tracer/7.62mm Ball/Tracer - 125.
BP2: 1093 9497	M240/MK48 M2: BFV M242 M1 Tank M256; STRYKER M68	7.62mm Ball/Tracer, .50 cal Ball/Tracer; 25mm M793, M910, 120mm M831/1028, M865, M1002; 105mm M490A1, .50cal SLAP-T-M962	120mm - M865/M1002 - 65 deg, .50cal SLAP-T M962 - 73 deg, 120mm - M831/M1028 - 50 deg, 105mm - M490A1 - 50 deg, 25mm - M910/M793 - 50 deg, .50cal Ball/Tracer - 55 deg, 7.62mm Ball/Tracer - 49 deg,	120mm - M865/M1002 - 114 deg, .50cal SLAP-T M962 - 114 deg, 120mm - M831/M1028 - 114 deg, 105mm - M490A1 - 114 deg, 25mm - M910/M793 - 114 deg, .50cal Ball/Tracer/7.62mm Ball/Tracer - 114 deg,
BP3: 1119 9483	M240/MK48 M2: BFV M242 M1 Tank M256; STRYKER M68	7.62mm Ball/Tracer, .50 cal Ball/Tracer; 25mm M793, M910, 120mm M831/1028, M865, M1002; 105mm M490A1, .50cal SLAP-T-M962	120mm - M865/M1002 - 64 deg, .50cal SLAP-T M962 - 72 deg, 120mm - M831/M1028 - 38 deg, 105mm - M490A1 - 38 deg, 25mm - M910/M793 - 38 deg, .50cal Ball/Tracer/7.62mm Ball/Tracer - 38 deg,	120mm - M865/M1002 - 114 deg, .50cal SLAP-T M962 - 114 deg, 120mm - M831/M831 - 114 deg, 105mm - M490A1 - 114 deg, 25mm - M910/M793 - 114 deg, .50cal Ball/Tracer/7.62mm Ball/Tracer - 114 deg,
BP4: 1123 9492	M240/MK48 M2: BFV M242 M1 Tank M256; STRYKER M68	7.62mm Ball/Tracer, .50 cal Ball/Tracer; 25mm M793, M910, 120mm M831/1028, M865, M1002; 105mm M490A1, .50cal SLAP-T-M962	120mm - M865/M1002 - 74 deg, .50cal SLAP-T M962 - 73 deg, 120mm - M831/M1028 - 37 deg, 105mm - M490A1 - 37 deg, 25mm - M910/M793 - 37 deg, .50cal Ball/Tracer - 37 deg, 7.62mm Ball/Tracer - 22 deg,	120mm - M865/M1002 - 122 deg, .50cal SLAP-T M962 - 122 deg, 120mm - M831/M1028 - 121 deg, 105mm - M490A1 - 121 deg, 25mm - M910/M793 - 121 deg, .50cal Ball/Tracer - 121, 7.62mm Ball/Tracer - 121 deg,
BP5: 1135 9500	M240/MK48 M2: BFV M242 M1 Tank M256; STRYKER M68	7.62mm Ball/Tracer, .50 cal Ball/Tracer; 25mm M793, M910, 120mm M831/1028, M865, M1002; 105mm M490A1, <u>NO .50cal SLAP-T-M962 FIRING IS ALLOWED.</u>	120mm - M865/M1002 - 67 deg, 120mm - M831/M1028 - 37 deg, 105mm - M490A1 - 31 deg, 25mm - M910/M793 - 31 deg, .50cal Ball/Tracer/7.62mm Ball/Tracer - 31 deg, <u>NO .50 cal SLAP-T-M962 FIRING IS ALLOWED.</u>	120mm - M865/M1002 - 133 deg, 120mm - M831/M1028 - 133 deg, 105mm - M490A1 - 133 deg, 25mm - M910/M793 - 133 deg, .50cal Ball/Tracer/7.62mm Ball/Tracer - 133 deg,

Firing Positions	Weapons	Ammunition	Targets
VTCE Baseline: 1070 9514 to 1070 9504	M240/MK48 M2: BFV M242 M1 Tank M256; STRYKER M68	7.62mm Ball/Tracer, .50 cal Ball/Tracer; 25mm M793, M910, 120mm M831/1028, M865, M1002; 105mm M490A1, .50cal SLAP-T-M962	<u>7.62mm</u> (GRP: 1, 3, 5, 7, 8, 9. A: 305-309, 313-318. M: 301-304.) <u>M2</u> (A: 305-309, 313-318. M: 301-304.) <u>25mm</u> (A: 305-309, 313-318. M: 301-304.) <u>120mm</u> (A: 305-309, 313-318. M: 301-304.) <u>105mm</u> (A: 305-309, 313-318. M: 301-304.) .50cal SLAP-T-M962 (A: 305-309, M: 3/4 of M301, M302-304.
BP1: 1092 9520	M240/MK48 M2: BFV M242 M1 Tank M256; STRYKER M68	7.62mm Ball/Tracer, .50 cal Ball/Tracer; 25mm M793, M910, 120mm M831/1028, M865, M1002; 105mm M490A1, .50cal SLAP-T-M962	<u>7.62mm</u> (GRP: 1, 5, 7, 8, 9. A: 305-309, 313-318. M: 301-304.) <u>M2</u> (A: 305-309, 313-318. M: 301-304.) <u>25mm</u> (A: 305-309, 313-318. M: 301-304.) <u>120mm</u> (A: 305-309, 313-318. M: 301-304.) <u>105mm</u> (A: 305-309, 313-318. M: 301-304.) .50cal SLAP-T-M962 (A: 305-309, 313 - 318, M: 3/4 of M301, M302-304.
BP2: 1093 9497	M240/MK48 M2: BFV M242 M1 Tank M256; STRYKER M68	7.62mm Ball/Tracer, .50 cal Ball/Tracer; 25mm M793, M910, 120mm M831/1028, M865, M1002; 105mm M490A1, .50cal SLAP-T-M962	<u>7.62mm</u> (GRP: 1, 3, 5, 7, 8, 9. A: 305-309, 313-318. M: 301-304.) <u>M2</u> (A: 305-309, 313-318. M: 301-304.) <u>25mm</u> (A: 305-309, 313-318. M: 301-304.) <u>120mm</u> (A: 305-309, 313-318. M: 301-304.) <u>105mm</u> (A: 305-309, 313-318. M: 301-304.) <u>120mm</u> , M865/M1002, A - 305 - 309, 313 - 318, M - 302 - 304, <u>105mm</u> (A: 305-309, 313-318. M: 301-304.) .50cal SLAP-T-M962 (A: 305-309, M: 1/2 of M303, M302, 304.
BP3: 1119 9483	M240/MK48 M2: BFV M242 M1 Tank M256; STRYKER M68	7.62mm Ball/Tracer, .50 cal Ball/Tracer; 25mm M793, M910, 120mm M831/1028, M865, M1002; 105mm M490A1, .50cal SLAP-T-M962	<u>7.62mm</u> (GRP: 1, 3, 5, 7. A: 305-309, 313-318. M: 3/4 of M301, 302-304.) <u>M2</u> (A: 305-309, 313-318. M: 3/4 of M301, 302-304.) <u>25mm</u> (A: 305-309, 313-318. M: 3/4 of M301, 302-304.) <u>120mm</u> (A: 305-309, 313-318. M: 3/4 of M301, 302-304.) <u>120mm</u> , M865/M1002, A - 306 - 309, 313 - 318, M - 302, 3/4 of M303, 304, <u>105mm</u> (A: 305-309, 313-318. M: 301-304.) .50cal SLAP-T-M962 (A: 307-309, M: M302, 304.
BP4: 1123 9492	M240/MK48 M2: BFV M242 M1 Tank M256; STRYKER M68	7.62mm Ball/Tracer, .50 cal Ball/Tracer; 25mm M793, M910, 120mm M831/1028, M865, M1002; 105mm M490A1, .50cal SLAP-T-M962	<u>7.62mm</u> (GRP: 1, 3, 5, 7, 8, 9. A: 305-309, 313-318. M: 301-304.) <u>M2</u> (A: 305-309, 313-318. M: 301-304.) <u>25mm</u> (A: 305-309, 313-318. M: 301-304.) <u>120mm</u> (A: 305-309, 313-318. M: 301-304.) <u>105mm</u> (A: 305-309, 313-318. M: 301-304.) <u>120mm</u> , M865/M1002, A - 307 - 309, 313 - 318, M - 302, 304, M1028, A - 305 - 309, 313 - 318, M - 301, 302, <u>105mm</u> (A: 305-309, 313-318. M: 301-304.) .50cal SLAP-T-M962 (A: 307-309, 313 - 318, M: M302-304.
BP5: 1135 9500	M240/MK48 M2: BFV M242 M1 Tank M256; STRYKER M68	7.62mm Ball/Tracer, .50 cal Ball/Tracer; 25mm M793, M910, 120mm M831/1028, M865, M1002; 105mm M490A1, <u>NO .50cal SLAP-T-M962 FIRING IS ALLOWED.</u>	<u>7.62mm</u> (GRP: 1, 5, 7, 8, 9. A: 305-309, 313-318. M: 301-304.) <u>M2</u> (A: 305-309, 313-318. M: 301-304.) <u>25mm</u> (A: 305-309, 313-318. M: 301-304.) <u>120mm</u> M865/M1002, (A: 305-309, 313-318. M: 302, 3/4 of M303, 304.) M1028, A - 305 - 309, 315 - 318, 1/2 of M301, 302 - 304, <u>105mm</u> (A: 305-309, 313-318. M: 1/2 of M301, 302 - 304.)

Carmouche Range Division Gunnery/Marksmanship Training (Log #07-09-15) Weapons/Ammo & Target List (Page 2 of 3)

Firing Positions	Weapons	Ammunition	Left Limit Mils, Grid Az	Right Limit Mils, Grid Az
VTCE FP1 Start to Stop: 1075 9511 to 1099 9517	M240/MK48 M2, BFV M242 M1 Tank M256; STRYKER M68	7.62mm Ball/Tracer, .50 cal Ball/Tracer; 25mm M793, M910, 120mm M831/1028, M865, M1002; 105mm M490A1, .50cal SLAP-T-M962	120mm - M865/M1002 - 72 deg, .50cal SLAP-T M962 - 75 deg, 120mm - M831/1028 - 70 deg, 105mm - M490A1 - 70 deg, 25mm - M910/M793 - 70 deg, .50cal Ball/Tracer/7.62mm Ball/Tracer - 70 deg,	120mm - M865/M1002 - 118 deg, .50cal SLAP-T M962 - 118 deg, 120mm - M831/M1028 - 118 deg, 105mm - M490A1 - 118 deg, 25mm - M910/M793 - 118 deg, .50cal Ball/Tracer/7.62mm Ball/Tracer - 72 deg,
VTCE FP2 Start to Stop: 1091 9496 to 1112 9485	M240/MK48 M2, BFV M242 M1 Tank M256; STRYKER M68	7.62mm Ball/Tracer, .50 cal Ball/Tracer; 25mm M793, M910, 120mm M831/1028, M865, M1002; 105mm M490A1, .50cal SLAP-T-M962	120mm - M865/M1002 - 70 deg, .50cal SLAP-T M962 - 70 deg, 120mm - M831/M1028 - 70 deg, 105mm - M490A1 - 70 deg, 25mm - M910/M793 - 70, .50cal Ball/Tracer/7.62mm Ball/Tracer - 55 deg,	120mm - M865/M1002 - 120 deg, .50cal SLAP-T M962 - 119 deg, 120mm - M831/M1028 - 120 deg, 105mm - M490A1 - 119 deg, 25mm - M910/M793 - 120 deg, .50cal Ball/Tracer/7.62mm Ball/Tracer - 115 deg,
VTCE FP3 Start to Stop: 1119 9486 to 1133 9501	M240/MK48 M2, BFV M242 M1 Tank M256; STRYKER M68	7.62mm Ball/Tracer, .50 cal Ball/Tracer; 25mm M793, M910, 120mm M831/1028, M865, M1002; 105mm M490A1, <u>NO .50cal SLAP-T-M962 FIRING ALLOWED</u>	120mm - M865/M1002 - 70 deg, 120mm - M831/M1028 - 44 deg, 105mm - M490A1 - 44 deg, 25mm - M910/M793 - 44 deg, .50cal Ball/Tracer -44, 7.62mm Ball/Tracer - 36 deg,	120mm - M865/M1002 - 121 deg, 120mm - M831/M831 - 115 deg, 105mm - M490A1 - 115 deg, 25mm - M910/M793 - 115 deg, .50cal Ball/Tracer/7.62mm Ball/Tracer - 115 deg,

Firing Positions	Weapons	Ammunition	Targets
VTCE FP1 Start to Stop: 1075 9511 to 1099 9517	M240/MK48 M2, BFV M242 M1 Tank M256; STRYKER M68	7.62mm Ball/Tracer, .50 cal Ball/Tracer; 25mm M793, M910, 120mm M831/1028, M865, M1002; 105mm M490A1, .50cal SLAP-T-M962	<u>7.62mm</u> (GRP: 1/2 of group 1, 3, 5, 7, 8, 9. A: 305-309, 313-318. M: 301-304). <u>M2</u> (A: 305-309, 313-318. M: 301-304). <u>M301</u> (A: 305-309, 313-318. M: 302-304). <u>25mm</u> (A: 305-309, 313-318. M: 302-304). <u>120mm</u> (A: 305-309, 313-318. M: 3/4 of M301, 302-304). <u>105mm</u> (A: 305-309, 313-318. M: 3/4 of M301, 302-304). <u>.50cal SLAP-T-M962</u> (A: 305-309, M: 1/2 of M301, M302-304).
VTCE FP2 Start to Stop: 1091 9496 to 1112 9485	M240/MK48 M2, BFV M242 M1 Tank M256; STRYKER M68	7.62mm Ball/Tracer, .50 cal Ball/Tracer; 25mm M793, M910, 120mm M831/1028, M865, M1002; 105mm M490A1, .50cal SLAP-T-M962	<u>7.62mm</u> (GRP: 3, 5, 7, 8, 9. A: 305-309, 313-318. M: 301-304). <u>M2</u> (A: 305-309, 313-318. M: 301-304). <u>25mm</u> (A: 305-309, 313-318. M: 302, 3/4 of M303, 304). <u>120mm</u> (A: 305-309, 313-318. M: 3/4 of M301, M302-304). <u>105mm</u> (A: 305-309, 313-318. M: 302, 3/4 of M303-304). <u>.50cal SLAP-T-M962</u> (A: 305-309, M: M302, 3/4 of M303, 304).
VTCE FP3 Start to Stop: <u>LSB/RSP - 1122 9493, LCE/RCP - 1133 9497 to 1133 9497 for M865/M1002 ONLY, 1119 9486 to 1133 9501 for the rest.</u>	M240/MK48 M2, BFV M242 M1 Tank M256; STRYKER M68	7.62mm Ball/Tracer, .50 cal Ball/Tracer; 25mm M793, M910, 120mm M831/1028, M865, M1002; 105mm M490A1, <u>NO .50cal SLAP-T-M962 FIRING ALLOWED</u>	<u>7.62mm</u> (GRP: 3, 5, 7, 8, 9. A: 305-309, 313-318. M: 301-304). <u>M2</u> (A: 305-309, 313-318. M: 302-304). <u>25mm</u> (A: 305-309, 313-318. M: 302-304). <u>120mm</u> (A: 305-309, 313-318. M: 302-304). <u>105mm</u> (A: 305-309, 313-318. M: 302-304).

Firing Positions	Weapons	Ammunition	Left Limit Mils, Grid Az	Right Limit Mils, Grid Az
VTSE Baseline: CA 1133 9483 to 1131 9473	M2, M242 Tank; STRYKER	M240/MK48 M1 7.62mm Ball/Tracer, .50 cal Ball/Tracer; 25mm M793, M910, 120mm M831/1028, M865, M1002; 105mm M490A1, <u>NO .50cal SLAP-T-M962 FIRING ALLOWED</u>	120mm - M865/M1002 - 65 deg, 120mm - M831/M1028 - 51 deg, 105mm - M490A1 - 51 deg, 25mm - M910/M793 - 64 deg, .50cal Ball/Tracer - 62, 7.62mm Ball/Tracer - 27 deg,	120mm - M865/M1002 - 108 deg, 120mm - M831/M1028 - 109 deg, 105mm - M490A1 - 109 deg, 25mm - M910/M793 - 109 deg, .50cal Ball/Tracer/7.62mm Ball/Tracer - 109 deg,

Firing Positions	Weapons	Ammunition	Targets
VTSE Baseline: CA 1133 9483 to 1131 9473	M240/MK48 M2, BFV M242 M1 Tank M256; STRYKER M68	7.62mm Ball/Tracer, .50 cal Ball/Tracer; 25mm M793, M910, 120mm M831/1028, M865, M1002; 105mm M490A1, <u>NO .50cal SLAP-T-M962 FIRING IS ALLOWED.</u>	<u>7.62mm</u> (GRP: 3, 5, 7, 8, 9. A: 305-309, 313-318. M: 301-304). <u>M2</u> (A: 305-309, 313-318. M: 302-304). <u>25mm</u> (A: 305-309, 313-318. M: 302-304). <u>120mm</u> (A: 305-309, 313-318. M: 302-304). <u>105mm</u> (A: 305-309, 313-318. M: 302-304). <u>120mm, M865/M1002, A - 307 - 309, 313 - 318, 302, 304, 105mm</u> (A: 305-309, 313-318. M: 301-304).

SUBJECT: Concept of Operation for Carmouche Range

ENC 1

WEAPONS SAFETY AND CONTROL STATUS

1 Ammunition Status	
Item	
RED	Rounds loaded / Magazine Loaded
Yellow	Magazine loaded, chamber clear
Green	Magazine out, chamber clear
2 Weapons Control Status	
Item	
HOLD	Engage only if engaged (threat) or ordered to do so. Must have positive ID
TIGHT	Can engage if target is positively identified as enemy
FREE	Can engage unless target is positively identified as friendly

*****Do not carry weapons on anything but safe - you will transition only when prepared to fire**

SUBJECT: Concept of Operation for Carmouche Range

Weapon Type	Weapons Safety Posture		
	GREEN	AMBER	RED
M9	Weapon cleared and on safe; magazine out of weapon	Magazine in weapon; no round in chamber; weapon on safe	Magazine in weapon; round chambered; weapon on safe
M16	Weapon cleared and on safe; magazine out of weapon	Magazine in weapon; no round in chamber; weapon on safe	Magazine in weapon; round chambered; weapon on safe
M203	Weapon cleared and on safe; rounds carried	No round in the chamber; weapon on safe; ammo ready	Round chambered; weapon on safe
M249	Weapon cleared and on safe; ammo carried	Half cocked – bolt forward; weapon on safe, rounds in tray; no rounds in chamber	Weapon charged – open bolt position; ammo in feed tray; weapon on safe
M240/ M240B	Weapon cleared and on safe; ammo carried	Bolt forward; weapon on safe, rounds in tray, no rounds in chamber	Weapon charged – open bolt position; ammo in feed tray; weapon on safe
M60	Weapon cleared and on safe; ammo carried	Bolt forward; weapon on safe, rounds in tray; no rounds in chamber	Weapon charged – open bolt position; ammo in feed tray; weapon on safe
M2	Weapon cleared and on safe; ammo carried	Bolt forward; weapon on safe, rounds in tray; no rounds in chamber	Weapon charged; round in chamber; weapon on safe
MK19	Weapon cleared and on safe; ammo carried	Weapon on safe; no round in chamber; ammo in feed tray	Round on face of bolt; weapon on safe; charged open bolt position
TOW	No missile in tube; launcher in stowed position	Missile in tube; launcher in stowed position, system on electric safe	Missile in tube; launcher raised; system on electric safe
25mm	Weapon cleared and on electrical and mechanical safe; ammo stowed	Round in feeder; no ghost rounds cycled; electrical and mechanical safe	Ghost round cycled; electrical and mechanical safe
120mm	Breech closed; no round in tube; system on electrical and mechanical safe	Breech opened; system on electrical and mechanical safe; rounds stowed	Gun tube loaded; weapon on electrical and mechanical safe

Carmouche Range

K44

I319-327
GRP 1

M301

A305

A306

95

1000m

1500m

500m

I43-51
GRP 5

M302

A307

I31-39
GRP 3

GRP 7

GRP 8

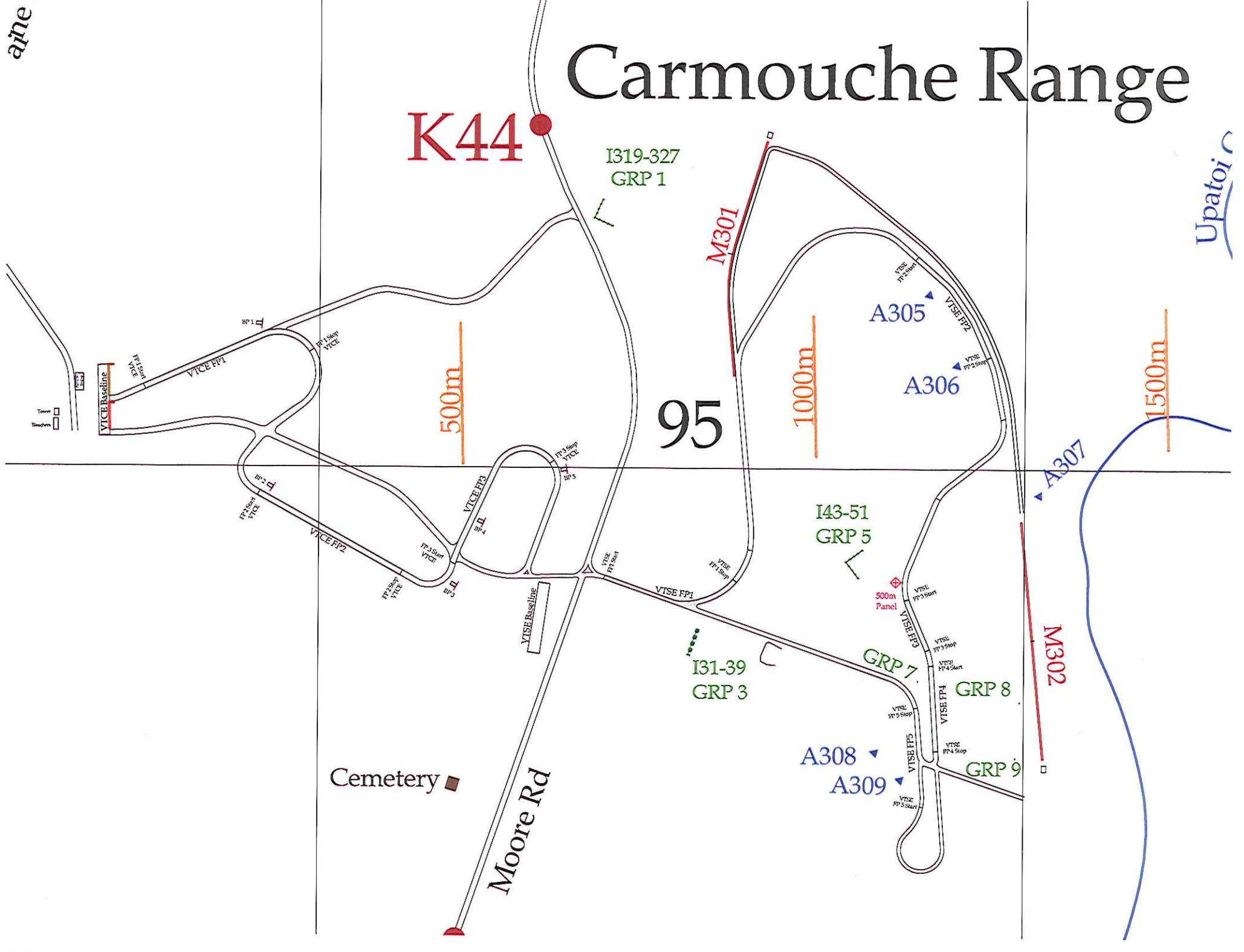
GRP 9

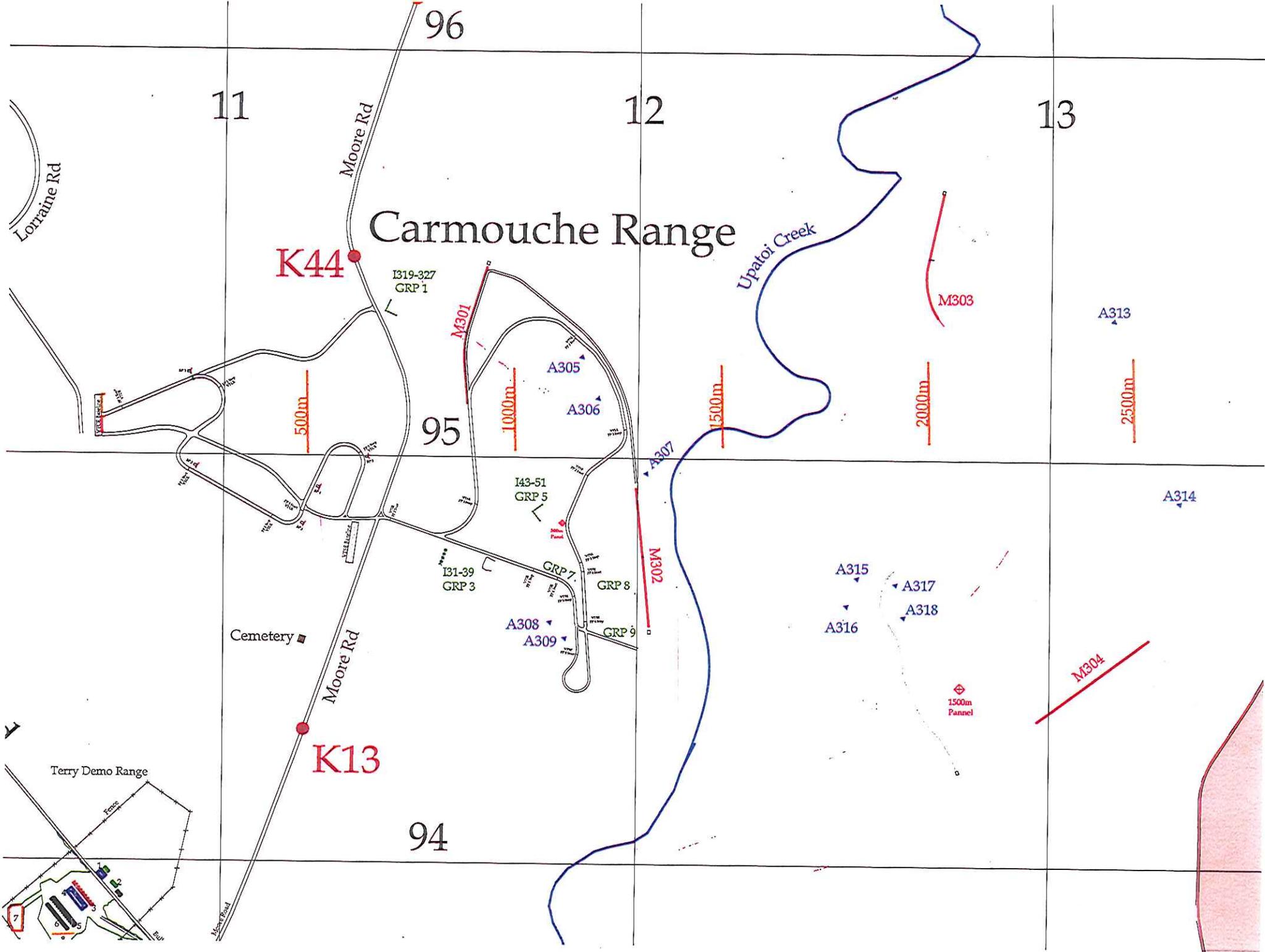
A308

A309

Cemetery

Moore Rd





Carmouche Range

K44

K13

I319-327
GRP 1

95

94

I43-51
GRP 5

I31-39
GRP 3

GRP 7

GRP 8

GRP 9

A308

A309

A305

A306

A307

A315

A316

A317

A318

A313

A314

M303

M302

M301

M304

1500m
Pannel

500m

1000m

1500m

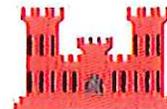
2000m

2500m





RECORD OF ENVIRONMENTAL CONSIDERATION (REC)



Date Submitted: 9/16/2014

EMD Number: 1428920 **Project#:** M7050, M7047 **Project Title:** Bradley Gunnery, Tank Gunnery

Description of proposed action:

BFV live fire 25MM and 7.62MM fire on existing range. Admin support and maintenance as required. This FB 144 will be used to conduct Bradley Gunnery for mechanized leader course, Bradley master gunnery course and basic transillon course gunnery. Bivouac in designated area. (ammunition to be used - 25MM TPT/TPDST, 7.62MM, 120MM, 50CAL, 240, 249, MK19, M16, M60, M24, M203, 9MM, M2, RAAWS.)

Project Location: Carmouche, Ruth **Amount, Description, Location of Disturbance/Digging:** None

Number of Personnel: 25-150 **Type of Ammunition:** See project description **Number/Types of Trees:** None
Live

Size of Project Area: N/A **Duration of Action:** Start: 10/1/2014 Stop: 9/30/2015

Proponent: sballesteros 706-545-5677 **Organization/Unit:** DPTMS

Number/Types of Vehicles:

Number of vehicles: varied
Types of vehicles: 5ton vehicles, HMMWV's, HMMWV trailer, GSA vehicles, 2.5 truck, FLA, 4X4 truck, S10, WAT, MTV's, M77A2
Yes-Vehicles will be going off road.
What type of vehicles will be going off road:

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, 2015

Cultural Resources - Archeological Conditions: Edward Howard (706 545 1898), 9/25/2014

See attached PDF maps for reference. See "Sensitive Area" signs attachment for appearance of the signs. The project area contains federally protected sensitive sites. These sites may or may not be marked with Sibert stakes placed 20 - 30 meters apart which contain labels warning against ground disturbance. Training may be conducted in these sites so long as it does not disturb the ground (digging, off-road vehicle traffic, etc.) The project OIC is responsible to insure the sites are not disturbed, regardless of whether or not they are marked. They are identified in RED in the attached maps. Additionally, if endangered plants, historic artifacts or Native American artifacts (arrowheads, etc) are encountered here (as in anywhere on the Installation) their removal constitutes theft as well as possible violation of other federal laws. This could result in criminal prosecution. Contact CRM with any questions or concerns. Re-submittal is required if submitted project is modified in any way.

Noise Conditions: Ellis Leeder (706 545 2400), 9/16/2014

This is training operations request for training. If there is any operational noise complaints received, the Environmental Management Division Installation Operational Noise Monitoring Program (IONMP) and or Public Affairs Office (PAO) programs will investigate and then recommending operational noise mitigation actions to the appropriate personnel for the training actions. This 144r must be present at the training site when occupying compartment or ranges.

EMD Number: 1428920

JO#

Project Title: Bradley Gunnery, Tank Gunnery

CWA - Training

Conditions:

Leah Ropski (706 626 0492), 9/18/2014

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 improper 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 (Example Unit/Activity SOP for Training and Deployment) 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.**

Hazardous Materials/Waste

Conditions:

Carlos Arlasochoa (706 545 1857), 9/17/2014

Considerations for Training Exercises:

Defective, misfired, or otherwise unserviceable munitions must be managed IAW/MCOE Reg.350-19-5-10, Para 9-2 (Proper management of Misfired munitions). All excess, munitions must be returned to the Ammunition Supply Point after the field exercise is completed. Rubbish, empty containers and other waste (including used smoke/C2 canisters) should be removed from the training area. 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, 23 Jul 2010.

Any wastes generated must be evaluated for their hazardous characteristics and disposed of in accordance with all Federal, State and Fort Benning Hazardous Waste Regulations. Appropriate precautions must be taken to prevent hazardous material spills. Adequate quantities of spill response supplies must be on hand while work is being performed. If a spill occurs use notification procedures as outlined in the Fort Benning Hazardous Waste Management Plan Chapter 14. Contain and clean up any spill according to guidance provided by the Environmental Programs Management Branch. EPMB provides an 8 hours course covering Hazardous Materials/Waste Management, Hazardous Waste Minimization, Safety, and Pollution Prevention.

Natural Resources - RCW

None

Michael Barron (706 544 7080), 9/16/2014

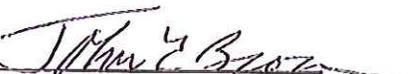
Air Management Programs

Conditions:

Ellis Loeder (706 545 2400), 9/16/2014

This is necessary training that should be conducted however, with the use of Smoke generators, Smoke Grenades, C/S gas, portable power generators, and smoke pots, special considerations apply to the compartment boundary locations as not to let smoke or gas travel into adjacent communities or roadways both on and off the installation. Range safety should be informed and utilized for managing training with smoke/gas devices as weather conditions can change hourly. It is important to consult MCOE Regulation 350-19 prior to training activity. Please review particular training restrictions found in section 5-20 of the Regulation. If you need assistance feel free to contact the Air Quality Program, shannon.t.danley.ctr@mail.mil or call 706 545-1298.

Signature:



John E Brown

NEPA Program Manager

Date:

29 Sept 2014

Signature:



Patrick R. Chauvey

EPMB Chief

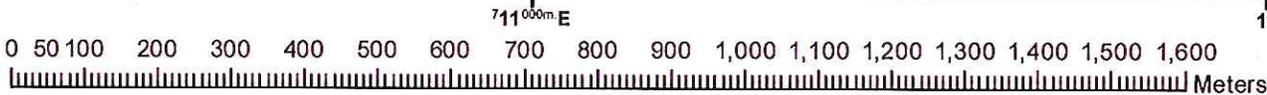
Date:

29 SEP 2014

For Official Use Only, Not for Public Release
**Ground Disturbing Activities in Sensitive Areas
 are Subject to Criminal and/or Civil Penalties**

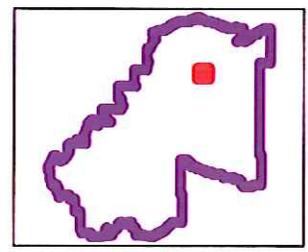
NAD 83
 Grid in Meters

Carmouche Range



- | | |
|---------------------------|---|
| Historic_buildings | CRARCSIT_TEMP |
| — Historic | NREG_STT_D |
| — Not Evaluated | ELIGIBLE; NHL |
| — Not Eligible | RECOMMENDED; PROTECTED |
| — Not Historic | NOT ELIGIBLE |
| — Demolished | + Cemetery_2013 |
| — Prgm Cmt | |
| — Prgm Cmt/FRL | |

No Vehicles
 or
 ground
 disturbance

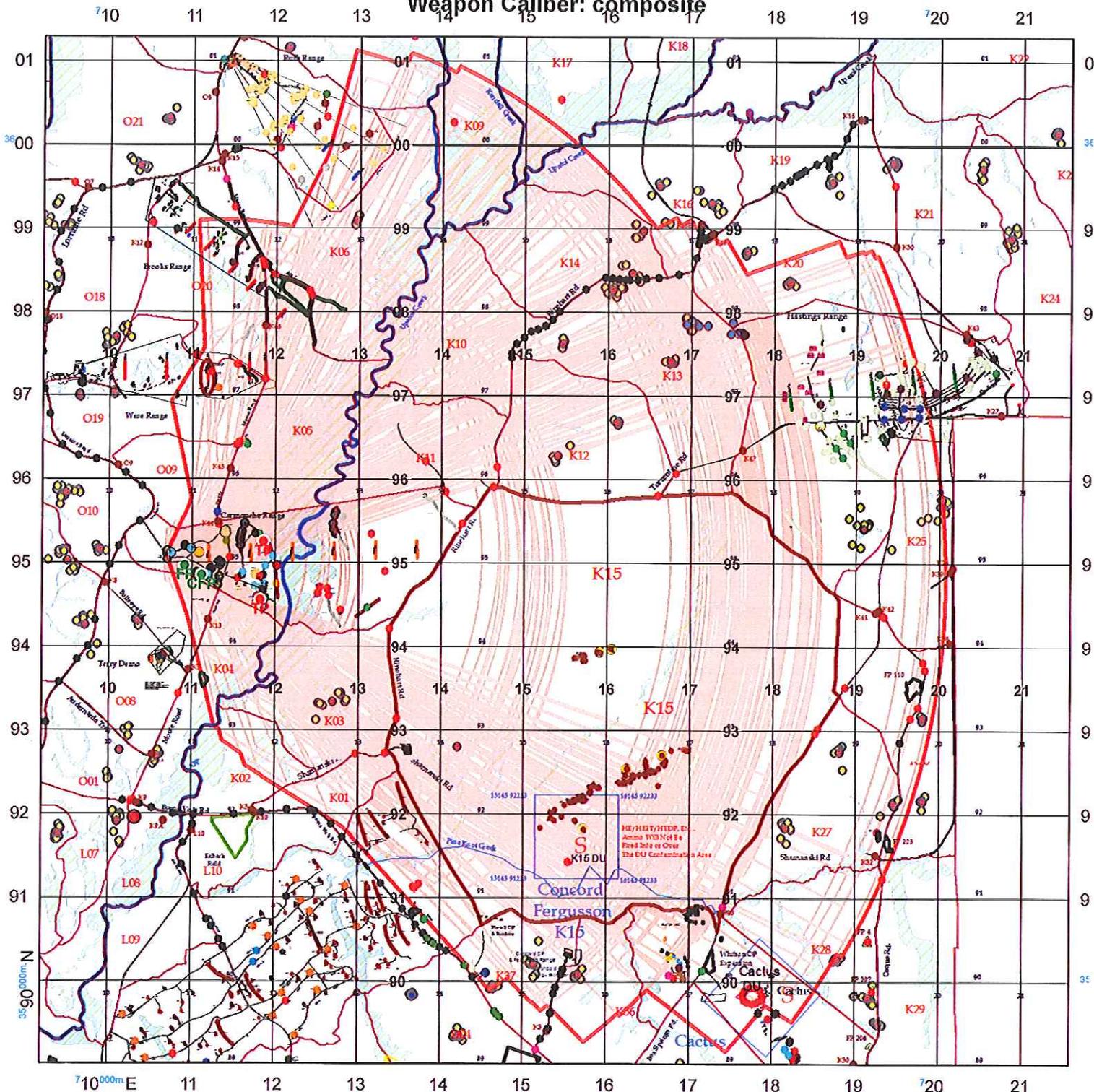


DPW-EPMB
 Cultural Resources

Kilo Area Roadblocks Carmouche Log #07-09-15 Gunnery/Marksmanship Training

#	GRID	LOCATION	TYPE	#	GRID	LOCATION	TYPE
K-2	GA 163 883	Across Box Springs Rd 125m N. of its intersection with Buena Vista Rd.	Gate	K-27	GA 207 968	Across Turrentine Rd 600m E. of its intersection with Boundary 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-28	GA 191 885	Across Whitson Rd 15m W. of its intersection with Cactus 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-29	GA 189 888	Across un-named trail on left side of Cactus Range 300m W of Cactus Road	Gate
K-5	GA 117 920	Across Shamanski Rd 25m N. of its intersection with Buena Vista Rd.	Gate	K-30	GA 190 890	Across un-named trail on right side of Cactus Range 250m W of Cactus Road.	Gate
K-7	GA 109 937	Across from Moore road 15m N of it's intersection with Bullseye road	Gate				
K-8	GA 099 947	Across Bulls Eye Rd 50m E of its intersection with Lorraine Road.	Gate	K-32	GA 192 915	Across Shamanski Road 35m W of its intersection with Cactus Rd.	Gate
K-9	GA 103 921	Across Buena Vista Rd 40m E of the intersection with Moore Rd (Road Guard Location)	Gate	K-36	GA 163 883	Across Buena Vista Rd 50m W. of its intersection with Box Springs Rd. (Road guard location).	Gate
K-9A	GA 106 919	Across tank trail 200m W of the Upatoi Creek ford site.	Gate	K-36A	GA 163 882	Across Tank Trail 50m W. of its intersection with Box Springs Rd.	Gate
K-10	GA 118 920	Across Buena Vista Rd at K-5 road block.	Gate	K-38	GA 201 941	Across unnamed trail 35m W. of its intersection with the east boundary road. Permanently closed.	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-39	GA 202 949	Across unnamed trail 15m W. of its intersection with the east boundary road. Permanently closed.	Gate
K-12	GA 104 988	Across Old Lorraine Road 600m S of the tower on Brooks Range.	Gate	K-40	GA 174 908	Across Box Springs Rd 30m S. of Pine Knot Creek.	Gate
K-13	GA 112 943	Across Moore Rd 680m N. of its intersection with Bullseye Rd.	Gate	K-41	GA 192 944	Across Kennesaw Trail 30m W. of its intersection with Box Springs Rd.	Gate
K-14	GA 113 998	Across Moore Rd 10m S. of its intersection with Lorraine Rd.	Gate	K-42	GA 193 944	Across Box Springs Rd 10m N. of its intersection with Cactus 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-43	GA 203 978	Across the northern boundary range road approx 20m N-W. of the old Hastings Range upper baseline.	Gate
K-16	GB 190 003	Across Rinehart Rd 130m W. of its intersection with Box Springs Rd.	Gate	K-44	GA 113 955	Across Moore Rd on the N. side of Carmouche Range maneuver box.	Gate
K-16A	GA 172 989	Across Rinehart Rd 20m S. of its intersection with the northern boundary range road.	Gate	K-45	GA 115 961	Across Moore Rd 300m S. of its intersection with the old Ware Range course road.	Gate
K-16B	GA 171 990	Across un-named trail 20m S. of its intersection with the northern boundary range road.	Gate	K-46	GA 119 979	Across Moore Rd 725m S. of its intersection with Americo Trail	Gate
K-17	GB 116 013	Across unnamed trail 15m E. of Moore Rd and 300m N. of Ruth Range tower.	Gate	K-47	GA 176 963	Across Turrentine Rd 1000m W. of mover 4 on Hastings Range	Gate
K-19	GB 121 023	Across unnamed trail 220m N-E. of Oscar Range Complex Road and 30m S of the northern boundary range road.	Gate	K-50	GA 195 988	Across Box Springs Rd 60m N. of its intersection with the northern boundary range road.	Cable
K-20	GB 141 021	Across unnamed trail 550m S of the northern boundary range road.	Cable	O-9	GA 101 952	Across unnamed trail 10m E of it's intersection with Lorraine road	Gate
K-21	GB 139 027	Across the northern boundary range road Aprox 250m East of Cox Creek bridge.	Gate	O-18	GA 093 979	800m N of Ware range entrance o right side of Lorraine road	Gate
K-26	GA 201 949	Across Boundry Road 1800m S of its intersection with Turrentine Road	Gate	Roadgrd	GA 181 854	The intersection of Buena Vista road and Cactus road.	Roadgrd

FOUO Unclassified
Weapon Type: SMALL ARMS
Weapon Caliber: composite



Range Manager Signature Authority: Mr. Tesch	Date:			
Approving Authority: John Flores	Date:			
SDZ Created By:	Date: 08/03/2015	Unit: Range Division	Phone: 544-6342	Email:
SDZ Name: carmouche_070915	FP: 16SGA1070395043	FP: 16SGA1119094862	FP: 16SGA1119394828	FP: 16SGA1099295168
Installation: Fort Benning	FP: 16SGA1070095144	FP: 16SGA1133095008	FP: 16SGA1123494923	FP: 16SGA1098595163
Range Name: Carmouche	FP: 16SGA1075095113	FP: 16SGA1091895205	FP: 16SGA1123294918	FP: 16SGA1091694966
Range Officer: Unit OIC	FP: 16SGA1098895165	FP: 16SGA1091895200	FP: 16SGA1135095001	FP: 16SGA1091394959
Direct Fire	FP: 16SGA1091594962	FP: 16SGA1093694972	FP: 16SGA1135194996	FP: 16SGA1111994852
Aerial Target	FP: 16SGA1111794848	FP: 16SGA1093394968	FP: 16SGA1075095116	FP: 16SGA1111594845
FP: 16SGA1070195143	FP: 16SGA1074995113	FP: 16SGA1119694832	FP: 16SGA1075395109	FP: 16SGA1118694864