

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: 6 September 2011
Range: Carmouche Range
Title: CALFEX
Problem No:

Log #09-06-11

THRU: 3RD BDE, 3RD ID
Fort benning, GA 31905

FROM: S3, 3RD BDE, 3RD ID
Fort benning, GA 31905

SECTION I, TYPE OF TRAINING

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

SECTION II, DEMOLITIONS/GRENADES/MINES/PYROTECHNICS

Coordinates	Type	Model/DODAC	Size of Charges
See Weapons & Ammo List	See Weapons & Ammo List	See Weapons & Ammo List	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

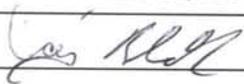
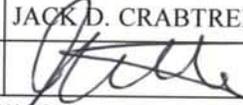
SECTION IV, LIVE FIRE EXERCISES Attach the following:

SECTION V, NON-LIVE FIRE TRAINING

<input checked="" type="checkbox"/> Scenario of training to be conducted: <input checked="" type="checkbox"/> Sketch of area: <input checked="" type="checkbox"/> Risk Assessment: <input type="checkbox"/> Attach FB Form 350-19-2-E-R if Mortar or artillery is being fired:	Training area(s) to be occupied: <input type="checkbox"/> Scenario of training to be conducted: <input type="checkbox"/> Sketch of area(s) to be occupied: <input type="checkbox"/> Risk Assessment:
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Name/rank of requesting officer:
CRAIG A. BLACK, SFC, USA

Name/rank of Major Unit S3/Commander:
JACK D. CRABTREE, MAJ, IN

SECTION VI, FOR RANGE DIVISION USE

DATE: 28 Oct 11

TO: 3RD BDE, 3RD ID
Fort benning, GA 31905

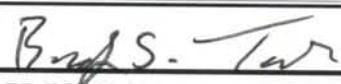
FROM: Range Division,
Directorate of Plans, Training,
Mobilization and Security
Fort Benning, GA 31905

- a. Roadblocks to be closed:
b. Road(s) to be closed/road barrier locations:
c. Remarks:

K2, K5, K12, K14, K16, K30, K32, K38, K39, K40, K41, K42
K44, K45, K46, 09, 018

d. This approval expires: 27 Oct 13

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





DEPARTMENT OF THE ARMY
HEADQUARTERS UNITED STATES ARMY MANEUVER CENTER OF EXCELLENCE
1 KARKER STREET
FORT BENNING, GEORGIA 31905-5000

REPLY TO
ATTENTION OF
ATZB-SO

27 October 2011

MEMORANDUM FOR Commander, 3rd Brigade, 3rd ID, Attn: SFC Black, Fort Benning, GA 31905

SUBJECT: 3/3ID CALFEX Concept and Safety Review

1. References:

a. Scenario for Carmouche Range Combined Arms Live Fire Exercise (CALFEX), dated 26 October 2011

b. Army Regulation 385-10, The Army Safety Program, 04 October 2011.

c. Army Regulation 385-63, Range Safety, 19 May 2003

d. Department of the Army Pamphlet 385-10, Army Safety Program, RAR 19 January 2010

e. Department of the Army Pamphlet 385-30, Mishap Risk Management, RAR 01 February 2010

f. Department of the Army Pamphlet 385-63, Range Safety, RAR 12 May 2009

g. Field Manual 5-19, Composite Risk Management, August 2006

2. CONCUR w/comment.

a. CRMW. Blocks 2a and 2b. Begin date is after the end date. The dates must be reversed.

b. CRMW. Hearing Loss (page 5). Add "Individual" to Block 11 (How to supervise). The individual Soldier is responsible for assuring that he/she uses the hearing protection provided.

c. CRMW. Round Out of Impact (page 6). Add "VC" to Block 11 (How to supervise). The VC is responsible and accountable for all actions taken by that system and must cross check all targets before authorizing suppressive fire.

d. CRMW. Misfire (page 8). There is no indication or representation of mortars on the FB Form 350-19-1-E-R, SDZ overlays, BP/SBF overlays, or concept paper.

e. CRMW. Fratricide (page 9). There is no indication or representation of dismounted

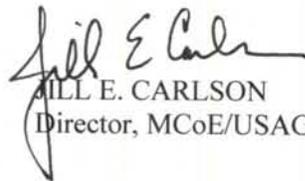
ATZB-SO

SUBJECT: 3/3ID CALFEX Concept and Safety Review

Soldiers on the FB Form 350-19-1-E-R (5.56mm), SDZ overlays (5.56mm) , BP/SBF overlays, or concept paper.

f. CRMW. Mixing of Blank and Live Small Arms Ammunition (page 10). There is no indication or representation of individuals Soldier target engagement in the FB Form 350-19-1-E-R (5.56mm), SDZ overlays (5.56mm), BP/SBF overlays, or concept paper.

3. Point of contact is Mr. Michael W. Risher II, MCoE/Fort Benning Safety Office, Comm. (706) 545-8278, Govt. Cell. (706) 604-7249, michael.w.risher.civ@mail.mil


JILL E. CARLSON
Director, MCoE/USAG Safety

Carmouche 3rd BDE CALFEX (Log #09-06-11) Weapons And Ammo Enclosure

Firing Positions	Weapons	Ammunition	Left Limit, Mils Grid Azimuth	Right limit, Mils Grid Azimuth
Engagement 1, SBF 1 VTCE Baseline: 1070 9514 to 1070 9504	M1 Tank M2 BFV M240 B/C	120mm M865/M831 .50 cal Ball/Tracer 25mm M793/M910 7.62mm Ball/Tracer	1160 1160 1160 1135	2095 2095 2095 2075
Engagement 2, VTCE FP 1 Start to Stop (vic BP 1) 1075 9511 1092 9519	M1 Tank M2 BFV M240 B/C	120mm M865/M831 .50 cal Ball/Tracer 25mm M793/M910 7.62mm Ball/Tracer	1560 1210 1210 1195	2110 2225 2110 2260
Engagement 2, FP 2 Range Access Road (Start to Stop) 1076 9505 to 1092 9505	M1 Tank M2 BFV M240 B/C	120mm M865/M831 .50 cal Ball/Tracer 25mm M793/M910 7.62mm Ball/Tracer	1655 1060 1060 0980	2115 2115 2115 2095
Engagement 3, SBF 2 VTSE Baseline 1133 9483 to 1131 9473	M1 Tank M2 BFV M240 B/C	120mm M865/M831 .50 cal Ball/Tracer 25mm M793/M910 7.62mm Ball/Tracer	1615 1270 1270 1270	2125 2125 2125 2125
Engagement 3, SBF 3 End of New Course Rd at Moore Rd 1136 9536	M1 Tank M2 BFV M240 B/C	120mm M865/M831 .50 cal Ball/Tracer 25mm M793/M910 7.62mm Ball/Tracer	1810 1380 1380 1215	2155 2155 2155 2400
Engagement 3, SBF 4 (BP 5) 1135 9500	M1 Tank M2 BFV M240 B/C	120mm M865/M831 .50 cal Ball/Tracer 25mm M793/M910 7.62mm Ball/Tracer	1645 1645 1645 1125	2155 2155 2155 2155

Various Pyrotechniques (Red Smoke Grenades, Red Star Clusters, etc... will be used during this live fire.



DEPARTMENT OF THE ARMY
HEADQUARTERS, 3RD HEAVY BRIGADE COMBAT TEAM
3RD BRIGADE, 3RD INFANTRY DIVISION
FORT BENNING, GA 31905

AFZP-VI-T

26 October 2011

MEMORANDUM FOR CHIEF, RANGE OPERATIONS, DPTMS, FORT BENNING, GA 31905

ATTN: MR. TESCH, FORT BENNING, GA 31905

SUBJECT: Scenario for Carmouche Range Combined Arms Live Fire Exercise (CALFEX)

1. PURPOSE: To outline the scenario for the CALFEX to be conducted on Carmouche Range. This information is provided in accordance with MCOE Regulation 350-19 and will train and evaluate Platoons / Companies on collective and individual tasks listed below. This training will gear Platoons and Companies towards future combat operations. 3RD BDE Leaders will be given sufficient time to prepare and formulate a plan for the training exercise (OPORD) which will outline and give a detailed description of their mission, task organization, execution, direct, indirect, and air asset fire control measures, and other safety considerations. Each Platoon will conduct rehearsals in the form of key leader back briefs, TEWT, leader's rock drill, specialty team rehearsal, and a dry fire exercise.

2. APPLICABILITY: This memorandum applies to all 3RD BDE, 3RD ID units / activities using Carmouche Range, All Officers in Charge (OIC), Non-Commission Officers in Charge (NCOIC), Range Safety Officers (RSO), and Observer / Controllers (OC's) will be familiar with the contents of this memorandum and all other applicable references.

3. REFERENCES:

- a. Army Regulation 385-63 and DA PAM 385-63, Range Safety
- b. Army Regulation 350-1, Army Training
- c. MCOE Regulation 350-19, Range and Terrain Regulation
- d. FM 3-23.30, Grenades and Pyrotechnic Signals
- e. TM 9-1300-206, Ammunition and Explosives Standards
- f. FM 3-20.21, HBCT Gunnery Manual
- g. ARTEP 7-7J, MTP
- h. ARTEP 7-7J, Drill
- i. FM 3-20.15, Tank Platoon

4. COLLECTIVE TASKS:

SUBJECT: Scenario for Carmouche Range Combined Arms Live Fire Exercise (CALFEX)

- a. Prepare for Combat (Conduct TLP's)
- b. Develop and Communicate a Plan
- c. Conduct Platoon / Company Attack
- d. Move Tactically
- e. React to Contact
- f. Perform Consolidation and Reorganization
- g. Integrate Combat Enablers

5. AMMUNITION:

- a. M2 / M3 Bradley: 25mm (M793, M910), 7.62mm (A131)
- b. M1A2: 120mm (C784, C785), .50 cal (A557), 7.62mm (A131)
- c. HMMWV: .50 cal (A557), 7.62mm (A131)
- d. Blank Ammunition: .50 cal, 7.62mm
- e. Smoke, pyrotechnics

6. CONCEPT OF OPERATIONS:

- a. General. 3RD BDE, 3RD ID will be conducting a five phase mounted Live Fire Exercise (LFX) on Carmouche Range in conjunction with an LFX on the Digital Multipurpose Range Complex (DMPRC) or as a stand alone exercise. The five phases of this operation are: Prepare for Combat (1), Infiltration (2), Attack to Support By Fire Position (3), Support Assault on OBJ (4), and Exfiltration (5).
 - 1) All vehicles will upload ammunition at the VTCE Baseline. Vehicle Commanders will ensure that all weapons systems are on electrical and mechanical safe and oriented downrange while uploading and on electrical safe while moving downrange and not engaging targets. All weapons systems will be uploaded at the VTCE Baseline (SBF 1). Bradleys will cycle the ghost round at the VTCE baseline while ensuring that weapons systems are oriented downrange. Individual crews will be Gunnery Table VI qualified prior to execution of the live fire exercise. Platoons will be Gunnery Table XII certified and will conduct and pass a dry and blank fire iteration prior to conducting the live fire exercise. Firing Points 1 and 2 (see sketch) will be utilized for maneuver and Support By Fire Position 1 (VTCE Baseline), Support By Fire Position 3 (SBF 3), SBF 4, and SBF 2 (VTSE Baseline) will be utilized as fighting positions to engage approved scenario targets. All vehicles will place their weapons on electrical and mechanical safe at the completion of the LFX. Bradleys will move to the clearing pit to clear weapons systems while maintaining weapons systems oriented

SUBJECT: Scenario for Carmouche Range Combined Arms Live Fire Exercise (CALFEX)

downrange. Tanks and HMMWV's will clear weapons at their final battle positions with weapons systems oriented downrange. Once all vehicles have been cleared, they will move to the baseline to be cleared by range safety and exit the range. Further iterations will not be executed until all vehicles have been cleared.

- b. Phase 1 – Prepare for Combat. This phase begins with the Company leadership receiving the Warning Order (WARNO). The Company will receive the Operations Order (OPORD) for the LFX and will be given adequate time to formulate a plan. They will begin Troop Leading Procedures and conduct rehearsals. The Company Commander will deliver his OPORD prior to the LFX with the OCs and Range Cadre present. The OPORD and key leader back briefs / rehearsals will take place in the company designated areas. This phase ends with the Company mounted in their respective vehicle configuration.
- c. Phase 2 – Infiltration. This phase begins when the vehicles start their movement. The Platoon element will move to SBF 1 (VTCE Baseline), upload weapons, and report REDCON 1. Section B will position on the north portion of the VTCE baseline to the left of Firing Point 1, and Section A will position itself on the southern portion of the VTCE baseline between Firing Point 1 and the Firing Point 2. All weapons systems will be oriented downrange between the 10 o'clock and 2 o'clock position and away from other personnel and vehicles. All vehicles will remain on electrical safe until an identifiable enemy target is presented (see target list).
 - 1) **FIRST ENGAGEMENT (SBF 1):** The left sector ranges from the left range limit marker to Target A307. The right sector ranges from the Target A307 to the right range limit marker. Once all elements report that they are set, they will receive reports of enemy activity in their sector, crews will then begin engaging targets according to the approved target list. This phase ends when all targets in sector have been destroyed or engagement time expires.
- d. Phase 3 – Attack to Support By Fire Position. This phase begins after all targets in sector have been destroyed and upon orders from higher command. Section B will orient it's weapons systems to the left range limit marker.
 - 1) **SECOND ENGAGEMENT (FP1 and FP2):** Section A will be instructed by higher headquarters to bound to SBF 2 (VTSE Baseline). The section will utilize Firing Point 1 and Firing Point 2 to do so. Target presentation will begin as the left vehicle enters Firing Point 1 and 2 and will cease as vehicles the Cease Fire Line. Vehicles will engage approved targets while ensuring that they remain online and limit their scans to their assigned sectors. Vehicles will follow the prescribed route to SBF 2 after they execute the Cease Fire Line and will ensure that all weapons are on electrical and mechanical safe and neither vehicle crosses the other's weapons systems at any time. Section B will bound to SBF 3 and SBF 4 (see sketch) once Section A is set. No targets will be presented while this section is moving downrange. Section B will maintain it's weapons systems oriented toward the left portion of the range and away from Section A while moving downrange. Phase 3 ends when Section B is set in their positions.

SUBJECT: Scenario for Carmouche Range Combined Arms Live Fire Exercise (CALFEX)

- e. Phase 4 - Support Assault on OBJ. This phase begins after the Platoon is set in SBF's 2, 3, and 4 and the main effort has begun its attack on the objective (notional or on DMPRC).
 - 1) **THIRD ENGAGEMENT:** The Platoon will receive intel from higher headquarters that the enemy is conducting a counterattack in their sector. The left sector ranges from the left range limit marker to Target A307. The right sector ranges from Target A307 to the right range limit marker. All vehicles will engage scenario approved targets only. This phase ends when all targets in sector have been destroyed or target exposure time has expired.
- f. Phase 5 – Exfiltration. This phase begins after all targets in sector have been destroyed and the main effort has pulled off of the objective. Vehicle Commanders will clear their weapons systems using the circular clearing method. The Platoon will then begin to conduct retrograde movement to the VTCE Baseline by Section on order from higher headquarters. The vehicle in SBF3 will return to the VTCE Baseline along the same route taken from the baseline. The vehicle in SBF 4 will proceed around the course road and move back up the return lane to the VTCE Baseline (see sketch). The vehicles in the section will maintain weapons systems orientation toward the left range limit marker and away from Section A during this movement. Once Section B is set at the baseline, Section A will return along their route taken from the VTCE Baseline. All weapons systems will be oriented downrange until cleared by safety. The Platoon will exit the VTCE Baseline and the range once weapons clearance has been verified.

7. SAFETY:

- a. The “Crawl-Walk-Run” method of training will be the standard method used for this LFX. A detailed leader’s TEWT will outline all range fans, restrictions, and safety considerations. Platoon rehearsals and day / night dry fire exercises will be conducted prior to Platoons getting clearance to participate in any LFX. All iterations will have dedicated Observer / Controller (OC) teams.
- b. The OC team for the LFX will consist of a field grade officer, Fire Support Officer, and senior noncommissioned officers / company grade officers. These OC's will position themselves with all command and control, maneuvering, and firing elements.
- c. Target Reference Points (TRP's) will be placed on the range and briefed prior to the start of the exercise. TRP's are as follows:
 - 1) VTCE Baseline:
 - (a) Left TRP is the left range limit marker.
 - (b) Right TRP is the right range limit marker.
 - 2) Phase Line B:
 - (a) Left TRP is the left range limit marker.
 - (b) Center TRP will be set at Target A307.
 - (c) Right TRP will be the right range limit marker.
 - 3) OC's will ensure that all elements engage scenario approved targets from approved positions only.

SUBJECT: Scenario for Carmouche Range Combined Arms Live Fire Exercise (CALFEX)

- d. An immediate cease fire will be called and Range Control will be notified if a round out of impact occurs.
- e. All UXO will be treated in accordance with MCOE Regulation 350-19.
- f. An immediate report will be submitted to Range Control and Brigade Headquarters if any incident resulting in an injury occurs while conducting training. The following information will be reported to Range Control:
 - (1) Unit Designation
 - (2) Range and Location
 - (3) Type of Weapon Involved
 - (4) Type of Ammunition Involved
 - (5) Brief Summary of the Incident
 - (6) Personnel Injuries and Extent
 - (7) Full Name, SSN, and Rank of Injured Personnel
 - (8) Extent of Property Damage
 - (9) Intentions regarding AR 15-6 Investigation
- g. LASER Safety: Class III LASERS are not 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. Master Gunners will ensure that all laser targets have appropriate backstops and their surrounding area is clear of specularly reflective materials. Range safety briefings will include hazards using LASERS and NVD's.
- h. Range Limits / Miscellaneous:
 - (1) OC's will ensure that all weapons systems are oriented and firing within the range limits as specified in FB 350-19-R.
 - (2) Unit leadership will conduct a terrain walk with the OIC prior to execution of the range to verify understanding of range limits.
 - (3) Dry, blank, and live fire scenarios will be the same for each executing unit.
 - (4) Crews will be briefed on the necessity of positively identifying their targets prior to engaging, especially when conducting CBRN engagements.
 - (5) All live fire participants will be thoroughly briefed on phase lines and checkpoints. Elements will report when they have executed phase lines and are set at battle positions.
 - (6) Radio communications will be maintained between Carmouche Range and the DMPC at all times to ensure synchronization of the scenario. Both ranges will go into a check fire if communications between ranges is lost.
- i. Vehicle Flags: The vehicle flag policy will be observed in accordance with MCOE Reg 350-19.

8. SIGNAL:

- a. Communications will be maintained between all key maneuvering elements and OC's at all times. This includes vehicle to vehicle, vehicle to OC, and vehicle to Range Safety Officer

SUBJECT: Scenario for Carmouche Range Combined Arms Live Fire Exercise (CALFEX)

(RSO), and OC to RSO. A cease fire will be given if any vehicle loses communication at any time.

b. Primary method of communication is FM. Alternate method of communication is FBCB2.

c. Emergency cease fire signals will be briefed prior to the start of all training exercises and will consist of Red Smoke (day) and Red Star Cluster (night).

9. MEDICAL: Medical personnel and equipment on site will be IAW unit SOP and risk level for the training being conducted. Frontline Ambulance (FLA) will be located IAW Commander / OIC guidance and not adjacent to the mess area. The Medical Air Evacuation (MEDEVAC) point will be IAW MCOE Regulation 350-19. All incidents will be reported to Brigade Headquarters and Range Operations.

10. AMMUNITION:

- a. The Ammunition NCO will sign for all blank and live ammunition.
- b. Blank and live ammunition will be held in separate field ASP's. The ASP's will be secured with triple strand concertina wire and guarded by at least two personnel at all times.
- c. The ASP will issue each element enough ammunition for one iteration at a time.
- d. Each element will return all unexpended ammunition to the ASP at the end of their iteration.
- e. Blank Firing Adapters will be used during all blank firing iterations and removed prior to conducting the live fire exercise. This will be confirmed before every iteration by the range cadre.
- f. There will be an ammunition shakedown before and after every iteration.
- g. Delinking and relinking ammunition is not authorized.
- h. Weapon / Ammunition Malfunction Reports: The OIC or RSO will suspend all firing and immediately notify Range Operations when a malfunction is experienced. The weapon and all components will be retained in place for an investigation by the DOL.

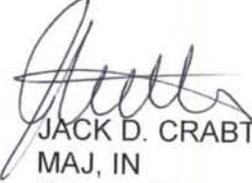
11. RESPONSIBILITIES:

- a. Unit will provide necessary range personnel and equipment.
- b. Companies receiving training will ensure that all elements conducting the exercise has completed all prerequisites prior to execution.
- c. The unit will maintain continuous radio communications with Range Control at all times. If communications are lost, the unit will go into a check fire until communications are restored.

SUBJECT: Scenario for Carmouche Range Combined Arms Live Fire Exercise (CALFEX)

- d. Communications will be maintained between the OIC, RSO, and all guard posts at all times.
- e. The unit will ensure that the entire range complex is cleared upon the completion of the training event.
- f. Roadblocks, barriers, and gates will be closed and manned IAW the Roadblock / Road Guard enclosure.

13. The point of contact for this action is SFC Black, MG, 3RD BDE, 3RD ID, COMM 544-3865, craig.black@conus.army.mil


JACK D. CRABTREE
MAJ, IN
Brigade S3

Carmouche 3rd BDE CALFEX (Log #09-06-11) Target List

Firing Positions	Weapons	Ammunition	Targets
Engagement 1, SBF 1 VTCE Baseline: 1070 9514 to 1070 9504	M1 Tank M2 BFV M240 B/C	120mm M865/M831 .50 cal Ball/Tracer 25mm M793/M910 7.62mm Ball/Tracer	A: 305-309, 313-318. M: 301-304. A: 305-309, 313-318. M: 301-304. A: 305-309, 313-318. M: 301-304. Grp: 1, 3, 5.
Engagement 2, VTCE FP 1 Start to Stop (vic BP 1) 1075 9511 1092 9519	M1 Tank M2 BFV M240 B/C	120mm M865/M831 .50 cal Ball/Tracer 25mm M793/M910 7.62mm Ball/Tracer	A: 306, 307, 314-318. M: 302, 304. A: 305-309, 313-318. M: 301-304. A: 305-307, 313-318. M: 301-304. Grp: 1, 3, 5.
Engagement 2, FP 2 Range Access Road (Start to Stop) 1076 9505 to 1092 9505	M1 Tank M2 BFV M240 B/C	120mm M865/M831 .50 cal Ball/Tracer 25mm M793/M910 7.62mm Ball/Tracer	A: 307-309, 314-318. M: 302, 304. A: 305-309, 313-318. M: 301-304. A: 305-309, 313-318. M: 301-304. Grp: 1, 3, 5.
Engagement 3, SBF 2 VTSE Baseline 1133 9483 to 1131 9473	M1 Tank M2 BFV M240 B/C	120mm M865/M831 .50 cal Ball/Tracer 25mm M793/M910 7.62mm Ball/Tracer	A: 308, 309, 315-318. M: 304. A: 307-309, 314-318. M: 302, 304. A: 307-309, 314-318. M: 302, 304. Grp: 3, 5, 7. A: 308, 309.
Engagement 3, SBF 3 End of New Course Rd at Moore Rd 1136 9536	M1 Tank M2 BFV M240 B/C	120mm M865/M831 .50 cal Ball/Tracer 25mm M793/M910 7.62mm Ball/Tracer	A: 305-307, 314. A: 305-307, 313, 314. M: 303. A: 305-307, 313, 314. M: 303. A: 305-307. M301.
Engagement 3, SBF 4 (BP 5) 1135 9500	M1 Tank M2 BFV M240 B/C	120mm M865/M831 .50 cal Ball/Tracer 25mm M793/M910 7.62mm Ball/Tracer	A: 307, 314-318. M: 302, 304. A: 307, 314-318. M: 302, 304. A: 307, 314-318. M: 302, 304. Grp: 5, 7. A: 305-307.

3RD BDE CARMOUCHE CALFEX SCENARIO

DAY

FT BENNING CARMOUCHE RANGE 3RD BDE CALFEX										
ENG#	COND	FIRING VEHICLE LOCATION	TGT #	TYPE	PRI	ALT	RNG	DELAY	EXP TIME	AMMO
1	DEF	SBF 1 (VTCE BASELINE)	1	BRADLEY	A307	NA	900	NA	Locked Up	.50CAL/25MM/120MM
			2	PC	M304	NA	2500	NA	50	.50CAL/25MM/120MM
			3	PC	A314	NA	2600	NA	50	.50CAL/25MM/120MM
			4	PC	A313	A317	2400	NA	50	.50CAL/25MM/120MM
			5	PC	M302	NA	1300	60S	50	.50CAL/25MM/120MM
			6	TRUCK	A305	A306	1200	60S	50	.50CAL/25MM/120MM
			7	TROOPS	GRP1	NA	700	120S	50	7.62MM
			8	TROOPS	GRP3	NA	900	120S	50	7.62MM
2	OFF	FP1, FP 2	1	BRADLEY	A307	NA	900	NA	Locked Up	.50CAL/25MM/120MM
			2	TRUCK	A308	A309	1000	NA	50	.50CAL/25MM/120MM
			3	TROOPS	GRP1	GRP5	500	NA	50	7.62MM
			4	TROOPS	GRP3		700	NA	50	7.62MM
3	DEF	SBF 2 (VTSE BASELINE), SBF3, SBF 4	1	BRADLEY	A307	NA	900	NA	Locked Up	.50CAL/25MM/120MM
			2	PC	A314	NA	2000	NA	50	.50CAL/25MM/120MM
			3	PC	M304	NA	1800	NA	50	.50CAL/25MM/120MM
			4	PC	A318	A317	1300	60S	50	.50CAL/25MM/120MM
			5	PC	A315	A316	1000	60S	50	.50CAL/25MM/120MM
			6	TRK	A305	A306	700	180S	50	7.62MM/.50CAL/25MM/120MM
			7	TRK	A308	A309	500	180S	50	7.62MM/.50CAL/25MM/120MM

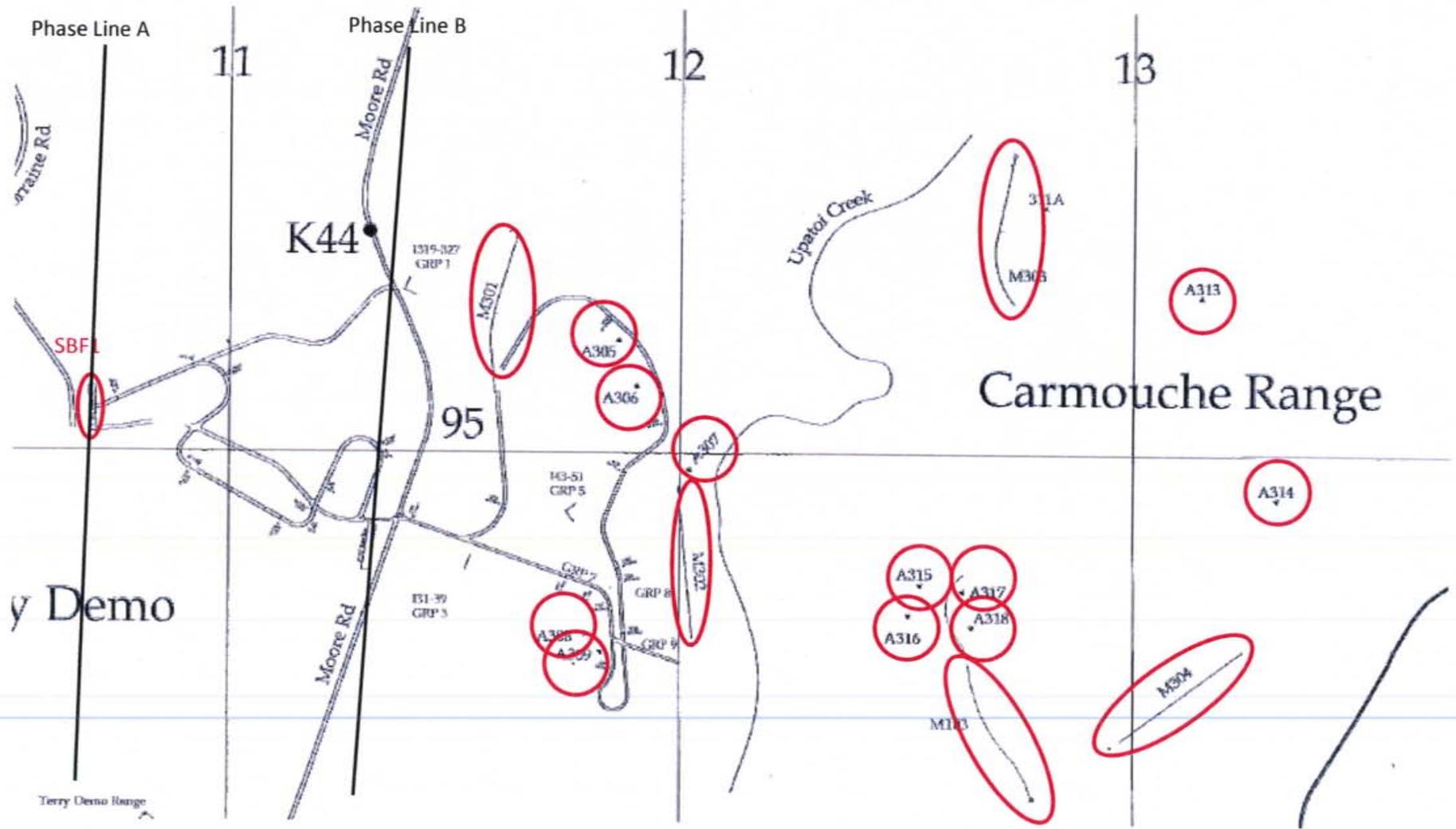
3RD BDE CARMOUCHE CALFEX SCENARIO

NIGHT

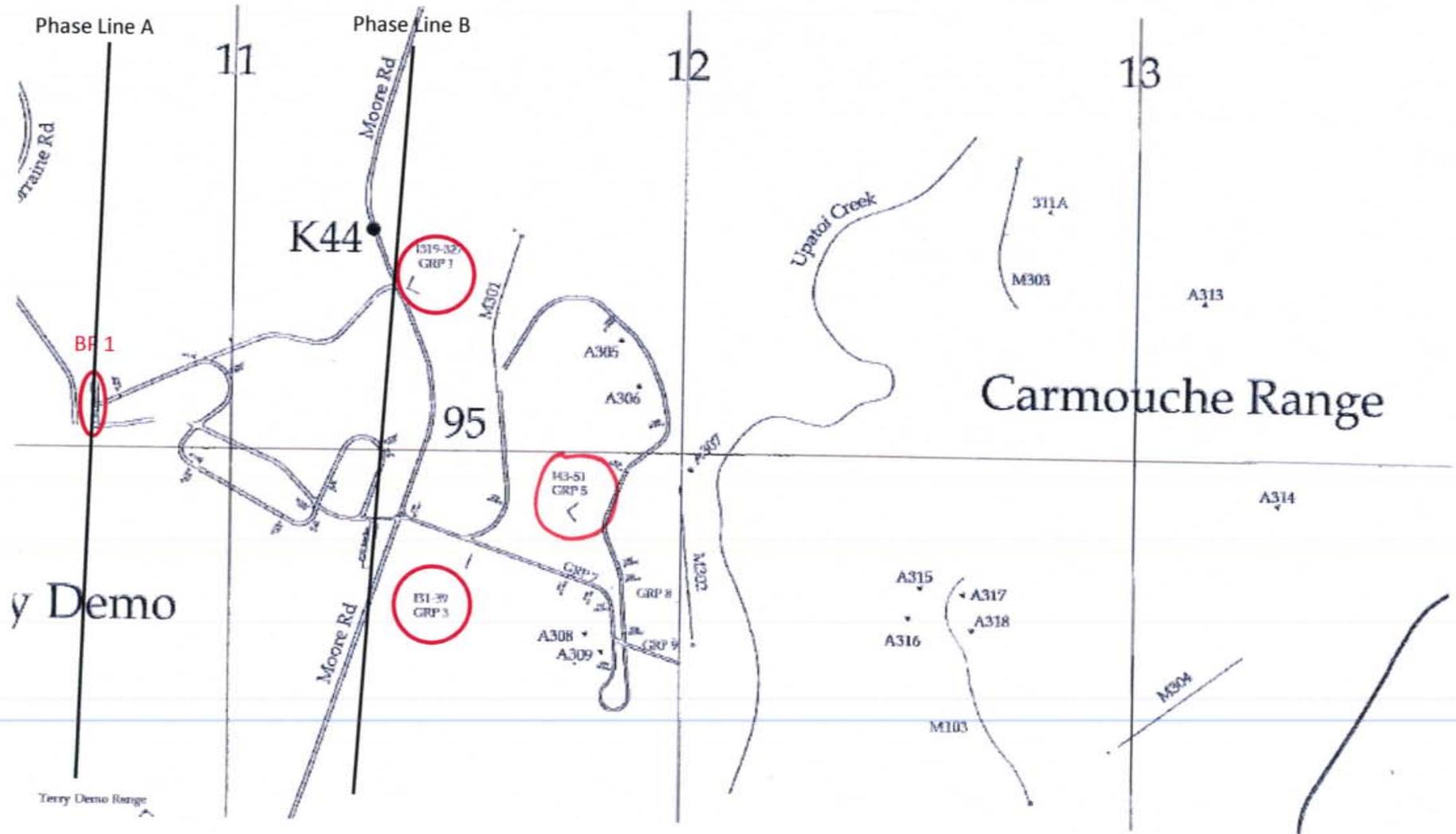
FT BENNING CARMOUCHE RANGE 3RD BDE CALFEX										
ENG#	COND	FIRING VEHICLE LOCATION	TGT #	TYPE	PRI	ALT	RNG	DELAY	EXP TIME	AMMO
1A	DEF	SBF 1 (VTCE BASELINE)	1	BRADLEY	A307	NA	900	NA	Locked Up	NA
			1	PC	A314	NA	2600	NA	50	.50CAL/25MM/120MM
			2	PC	A313	A317	2400	NA	50	.50CAL/25MM/120MM
			3	PC	M302	NA	1300	60S	50	.50CAL/25MM/120MM
			4	TROOPS	GRP1	NA	700	60S	50	7.62MM
			5	TROOPS	GRP3	NA	900	60S	50	7.62MM
2A	OFF	FP1, FP 2	1	BRADLEY	A307	NA	900	NA	Locked Up	NA
			2	TROOPS	GRP1	GRP5	500	NA	50	7.62MM
			3	TROOPS	GRP3		700	NA	50	7.62MM
3A	DEF	SBF2 (VTSE BASELINE), SBF 3, SBF 4	1	BRADLEY	A307	NA	900	NA	Locked Up	.50CAL/25MM/120MM
			2	PC	A314	NA	2000	NA	50	.50CAL/25MM/120MM
			3	PC	M304	NA	1800	NA	50	.50CAL/25MM/120MM
			5	PC	A318	A317	1300	60S	50	.50CAL/25MM/120MM
			6	PC	A315	A316	1000	60S	50	.50CAL/25MM/120MM
			7	TRUCK	A306	A305	500	180S	50	7.62MM/.50CAL/25MM/120MM
			8	TROOPS	GRP5	GRP7	400	180S	50	7.62MM/.50CAL/25MM/120MM

ENGAGEMENT 1

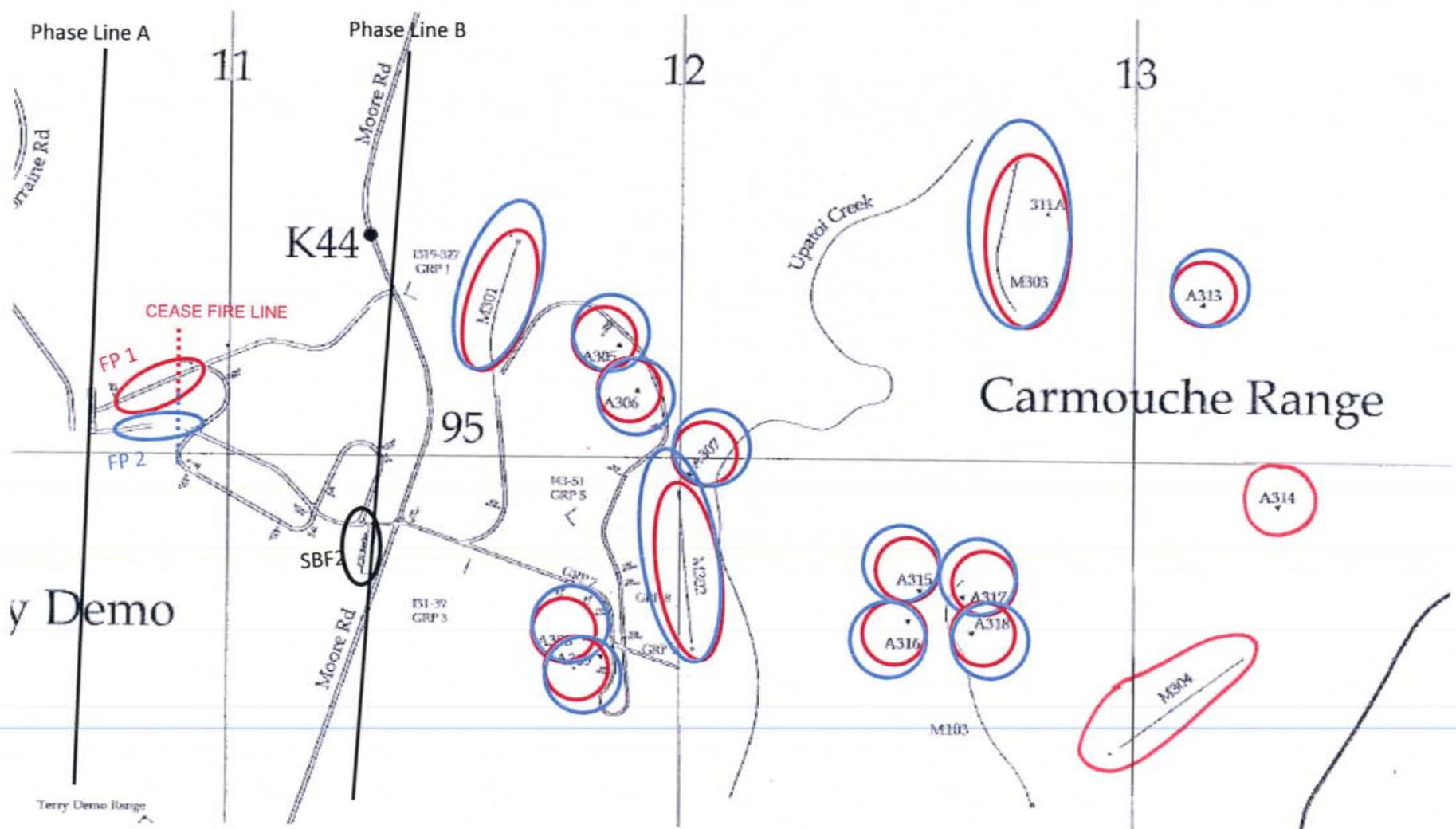
.50cal/25mm/120mm



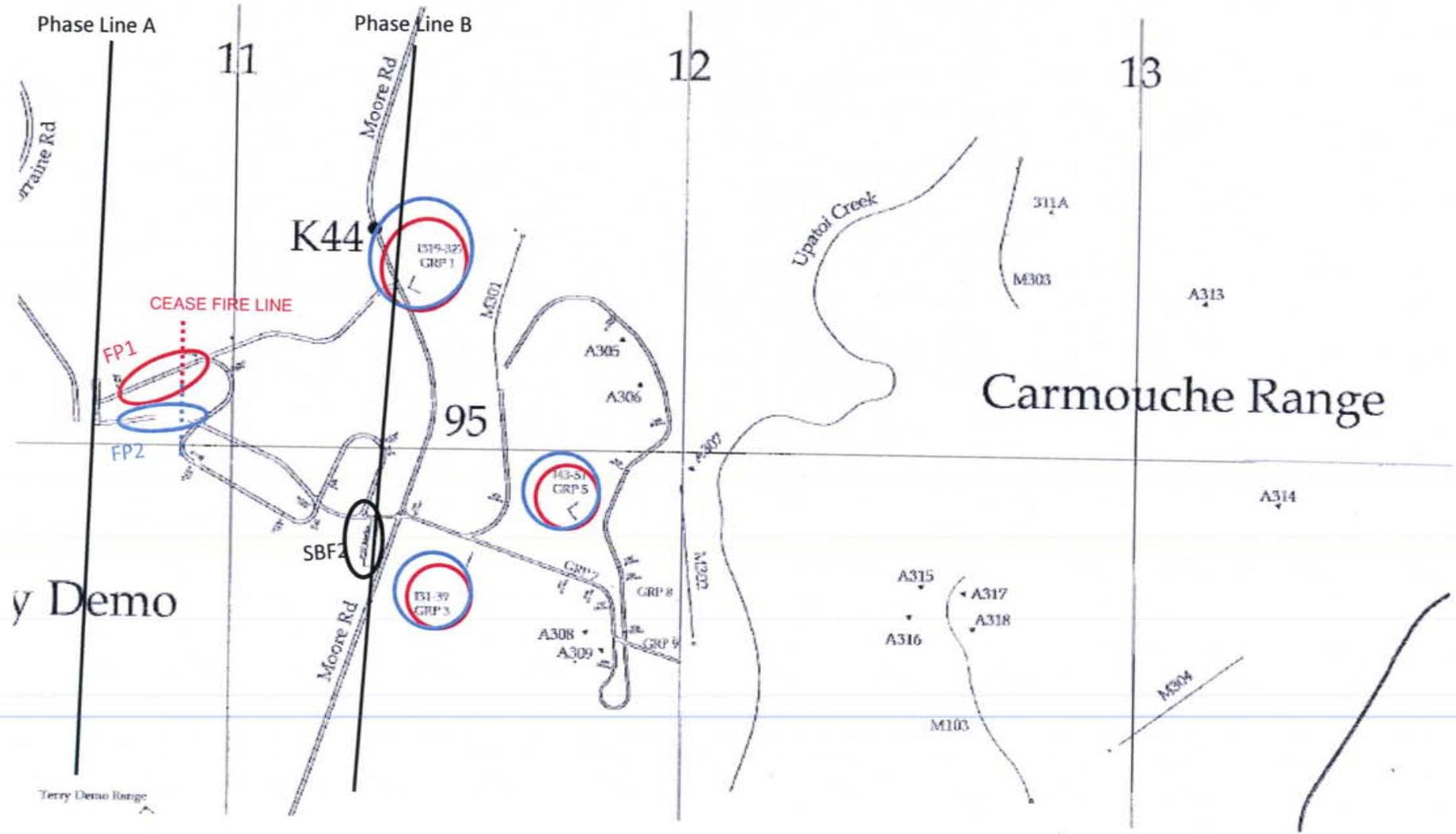
ENGAGEMENT 1 7.62mm



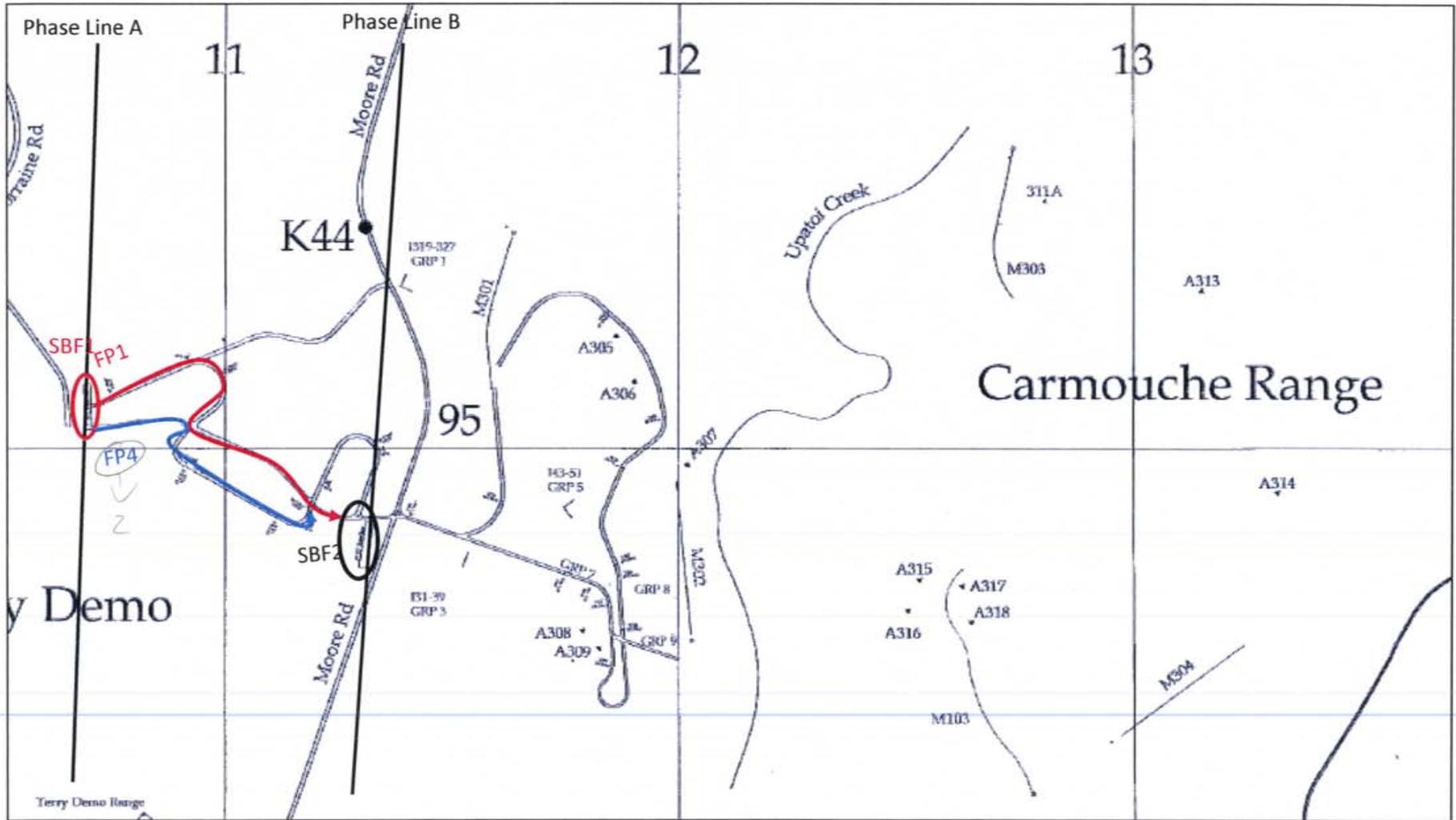
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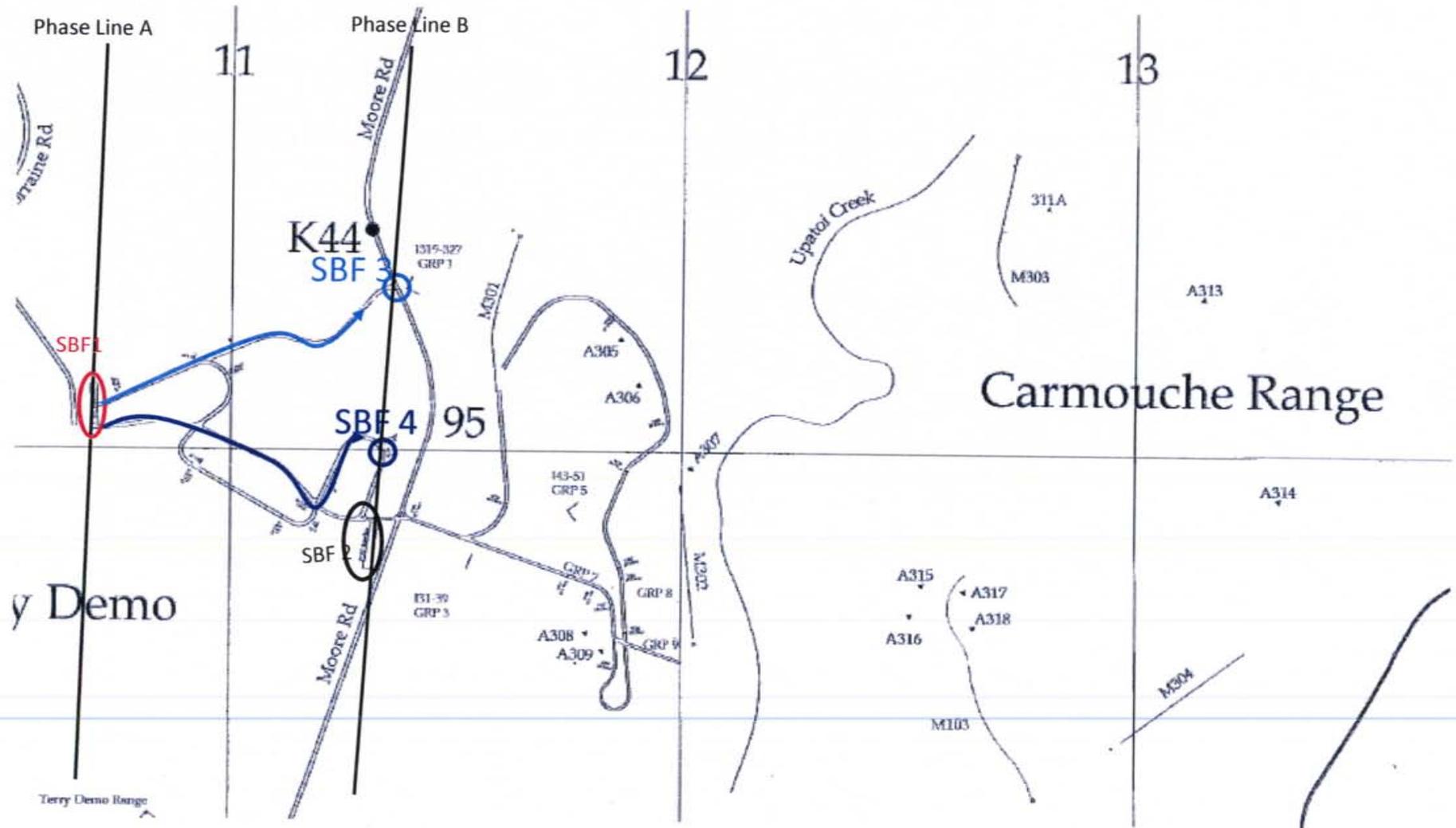
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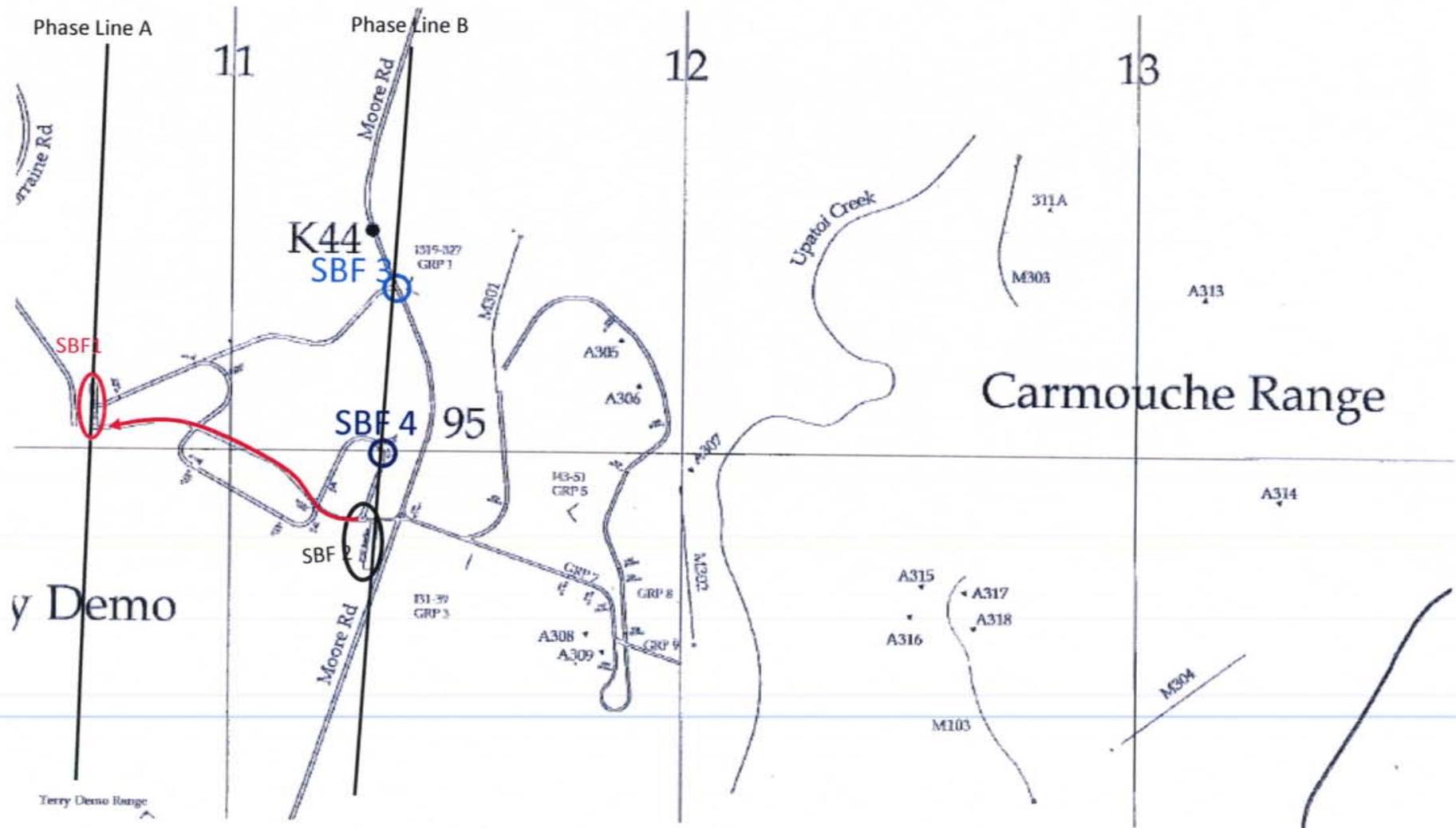
MOVEMENT TO SBF 2



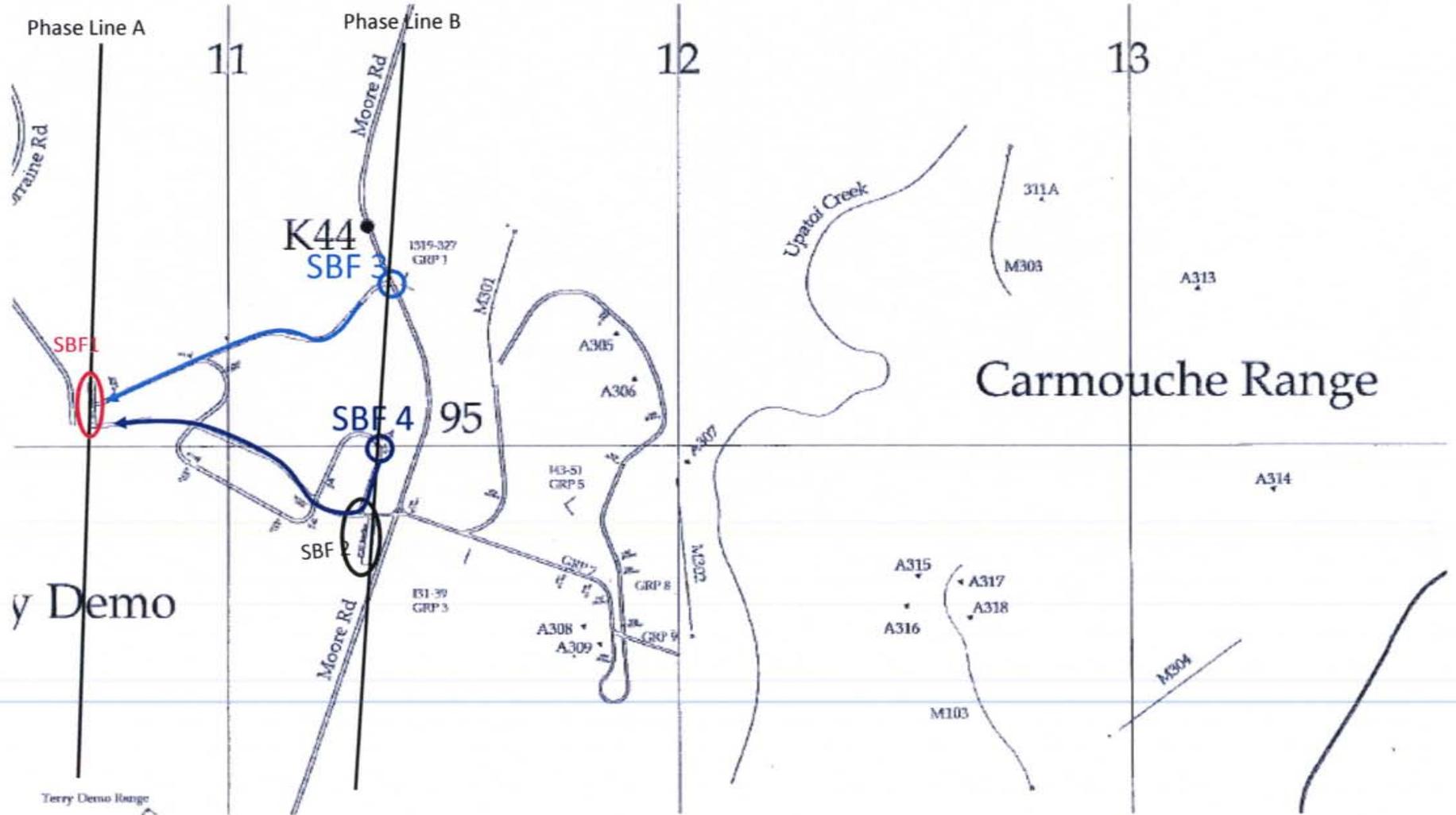
MOVEMENT TO SBF 3 AND SBF 4



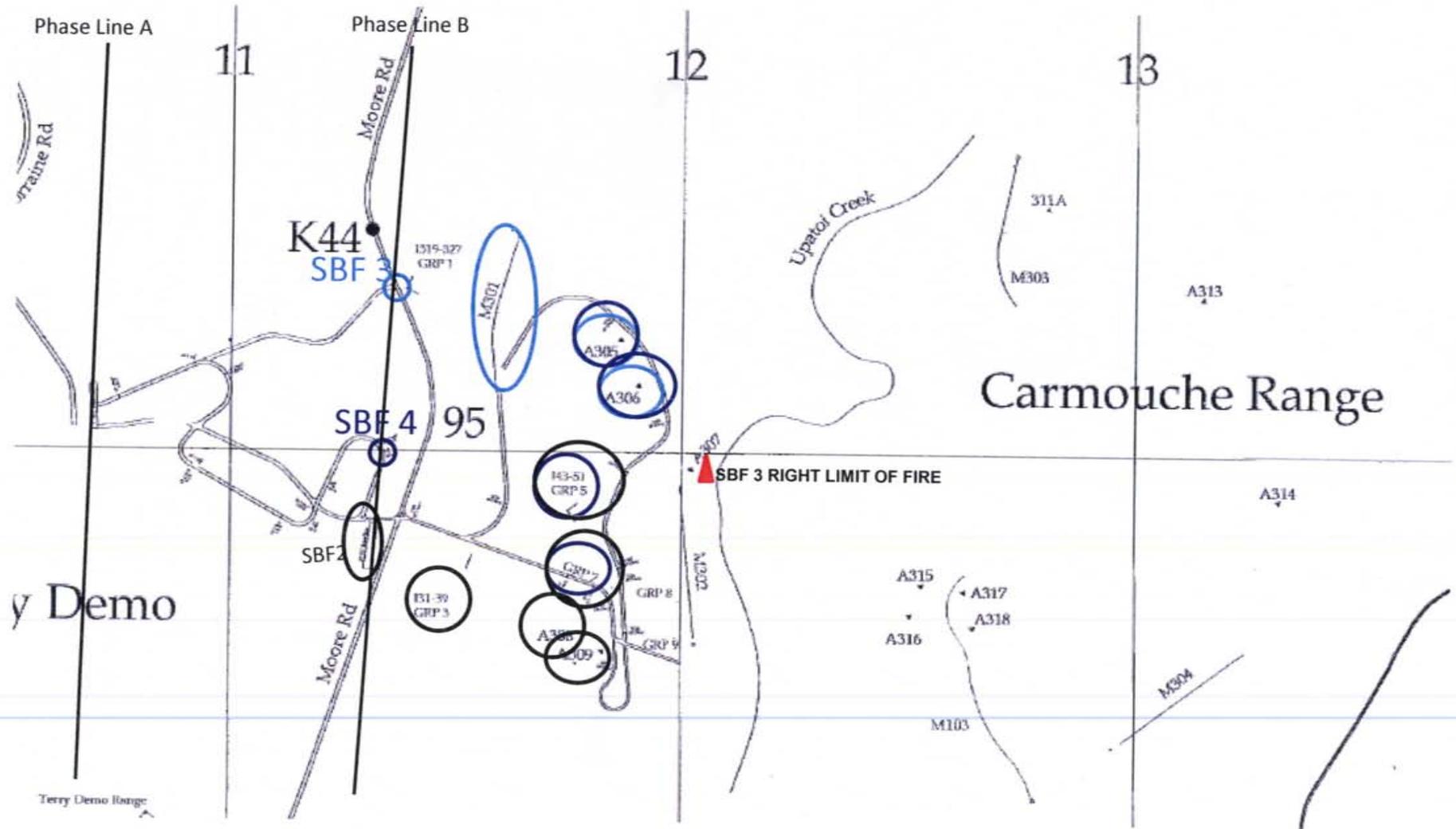
MOVEMENT FROM SBF 2 TO BASELINE



MOVEMENT FROM SBF 3 AND SBF 4 TO BASELINE



ENGAGEMENT 3 7.62mm



Carmouche Range 3rd BDE CALFEX (Log #09-06-11) Roadblocks 15 March 2011

#	GRID	LOCATION	TYPE
K-2	163 883	Across Box Springs Rd 125m N. of its intersection with Buena Vista Rd.	Gate
K-3	153 894	Across entrance road leading to Concord OP 250m N. of its intersection with Buena Vista Rd.	Gate
K-4	144 901	Across entrance road leading to Hartell Bunkers 50m N. its of intersection with Buena Vista Rd.	Gate
K-5	117 920	Across Shamanski Rd 25m N. of its intersection with Buena Vista Rd.	Gate
K-7	095 935	Across Audernarde Trail 10m E of its intersection with Lorraine Road.	Gate
K-8	099 947	Across Bulls Eye Rd 50m E of its intersection with Lorraine Road.	Gate
K9	105 927	Across Audernarde Trail 30m W of Moore Rd, 575m N of Buena Vista Rd & Moore Rd intersection.	Gate
K-10	118 920	Across Buena Vista Rd at K-5 road block. (Road guard location).	Gate
K-11	103 922	Across Moore Rd 50m N. of its intersection with Buena Vista Rd. Entrance to Terry Demo Rng. (Road guard location)	Gate
K-12	104 988	South of tower on Stationary gunnery Range # 1	Gate
K-13	109 937	Across Moore Rd 10m N. of its intersection with Bullseye Rd.	Gate
K-14	113 998	Across Moore Rd 10m S. of its intersection with Lorraine Rd.	Gate
K-15	114 999	Across course road leading out of Ruth Range 50m E. of its intersection with Moore Rd.	Gate
K-16	190 003	Across Rinehart Rd 100m W. of its intersection with Box Springs Rd.	Gate
K-17	116 013	Across unnamed trail 15m E. of Moore Rd and 130m N. of Ruth Range tower.	Cable
K-18	122 033	Across Moore Rd. at the northern reservation boundary. Permanently closed.	Berm
K-19	121 023	Across unnamed trail 1400m N. of Ruth Range and 150m E of Moore Rd.	Cable
K-20	141 026	Across unnamed trail off northern boundary trail along railroad tracks 400m E. of Cox Creek ford.	Cable
K-24	219 968	Across Turrentine Rd at reservation boundary. Permanently closed.	Barrier/ Berm
K-25	180 923	Across unnamed trail leading to Shiloh Trail 10m W. of Box Springs Rd. Permanently closed.	Cable
K-26	201 968	Across Turrentine Rd 20m W. of its intersection with Boundary Rd.	Gate

#	GRID	LOCATION	TYPE
K-28	191 885	Across Whitson Rd 15m W. of its intersection with Cactus Rd.	Cable
K-30	193 916	Across Cactus Rd 150m N. of Pine Knot Creek. Permanently closed.	Gate
K-32	192 915	Across Shamanski Rd 35m W. of its intersection with Cactus Rd.	Gate
K-34	134 932	Across Buzancy Trail at its intersection with Rinehart Rd. Permanently closed.	Berm
K-36	162 882	Across Buena Vista Rd 50m W. of its intersection with Box Springs Rd. (Road guard location).	Gate
K-38	201 941	Across unnamed trail 35m W. of its intersection with the east boundary road. Permanently closed.	Cable
K-39	202 949	Across unnamed trail 15m W. of its intersection with the east boundary road. Permanently closed.	Cable
K-40	174 908	Across Box Springs Rd 30m S. of Pine Knot Creek.	Gate
K-41	192 944	Across Kennesaw Trail 30m W. of its intersection with Box Springs Rd.	Cable
K-42	194 956	Across Box Springs Rd 1200m N. of its intersection with Cactus Rd.	Gate
K-43	197 984	Across Box Springs Rd. approx 450m N. of its intersection with the Hastings Range baseline road.	Cable
K-44	113 955	Across Moore Rd on the N. side of Carmouche Range maneuver box.	Gate
K-45	116 964	Across Moore Rd 30m S. of its intersection with the old Ware Range course road.	Gate
K-46	119 979	Across Moore Rd 725m S. of its intersection intersection with Americo Trail.	Gate

O-9	101 962	600m N of Carmouche Rng on right side of Lorraine Rd	Gate
O-18	093 979	800m N of Ware Rng Entrance on right side of Lorraine Rd	Gate

COMPOSITE RISK MANAGEMENT WORKSHEET

For use of this form, see FM 5-19; the proponent agency is TRADOC.

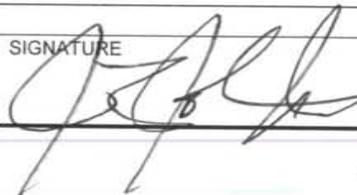
1. MSN/TASK Combined Arms Live Fire Exercise (CALFEX)	2a. DTG BEGIN 010800NOV2011	2b. DTG END 312359OCT2012	3. DATE PREPARED (YYYYMMDD) 20110908
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4. PREPARED BY			
a. LAST NAME Black	b. RANK SFC	c. POSITION Brigade Master Gunner	

5. SUBTASK	6. HAZARDS	7. INITIAL RISK LEVEL	8. CONTROLS	9. RESIDUAL RISK LEVEL	10. HOW TO IMPLEMENT	11. HOW TO SUPERVISE (WHO)	12. WAS CONTROL EFFECTIVE?
Movement to/from Ranges	Soldier injured by falling off vehicle	M	1. Soldiers maintain 3 points of contact while moving on top of vehicles. 2. Soldiers wear helmet or CVC when operating inside or on top of vehicles	L	OIC/RSO Safety Briefings and supervision	Vehicle Commanders (VC) Leaders at all levels RSO	
Movement to/from Ranges	Vehicle Collision	M	1. OIC identifies hazards during convoy safety briefing. 2. Use of ground guides when operating vehicles in confined areas and road crossings.	L	OIC convoy brief prior to movement. OIC daily Safety Briefing and supervision	VC/Supervisor RSO Leaders at all levels	
			3. Vehicle Commanders ensure proper interval is maintained at all times (50m minimum). 4. Vehicle Commanders maintain communications with drivers at all times				
			5. Drivers maintain visual on ground guides and stop vehicle movement if visual is lost.				
Movement to/from Ranges	Soldier struck by equipment in crew compartment.	M	1. OIC identifies hazards during convoy safety briefing. 2. VCs ensure all equipment is properly stowed and secured IAW load plan.	L	OIC Safety Brief Leader Inspections and Supervision	VCs Convoy Commander	
			3. VCs ensure all Soldiers wear seatbelts and ACH or CVC.				

Additional space for entries in Items 5 through 11 is provided on Page 2.

13. OVERALL RISK LEVEL AFTER CONTROLS ARE IMPLEMENTED (Check one)			
<input type="checkbox"/> LOW	<input checked="" type="checkbox"/> MODERATE	<input type="checkbox"/> HIGH	<input type="checkbox"/> EXTREMELY HIGH

14. RISK DECISION AUTHORITY			
a. LAST NAME JOHNNIE L. JOHNSON JR.	b. RANK COL	c. DUTY POSITION BRIGADE COMMANDER	d. SIGNATURE 

ITEMS 5 THROUGH 12 CONTINUED:

5. SUBTASK	6. HAZARDS	7. INITIAL RISK LEVEL	8. CONTROLS	9. RESIDUAL RISK LEVEL	10. HOW TO IMPLEMENT	11. HOW TO SUPERVISE (WHO)	12. WAS CONTROL EFFECTIVE?
Movement to/from Ranges	Vehicle Rollover	M	1. OIC identifies hazards during convoy safety briefing. 2. Vehicles maintain posted/briefed speed limits and utilize well maintained routes to ranges.	L	OIC Safety Brief VC maintains communications with drivers and convoy commander	VC Convoy Commander Unit Leadership	
			3. Vehicles travel on the center of tank trails whenever possible to avoid washouts and ditches. 4. Crews rehearse rollover drills prior to any				
			vehicular movement. 5. Crewmembers maintain nametape defilade when standing out of hatches.				
Movement to/from Ranges	Soldier Struck by Vehicle	M	1. OIC identifies hazards during convoy safety brief. 2. Ground guides used when backing vehicles up.	L	OIC Safety Briefing and convoy supervision VC's assess conditions and maintain control of vehicles	Convoy Commander VC Leaders at all levels	
			3. Drivers adhere to posted speed limits at all times and reduce speed in inclement conditions. 4. Vehicles maintain minimum of 100m between each other during periods of limited visibility.				
			5. All turrets remain at the 12 O'clock position when passing other vehicles. 6. VC's ensure area around vehicle is clear prior to initiating movement.				
Movement to/from Ranges	Soldier injured by personnel carrier ramps	M	1. OIC identifies hazards during the convoy safety brief. 2. Soldiers familiarized with ramp operations prior to movement to ranges.	L	OIC Safety Briefings and Supervision	Convoy Commanders VC's Leaders at all levels	
			3. VC's and ground guides ensure that ramps are clear prior to raising and lowering. 4. Drivers utilize signal horn prior to raising/lowering ramps in contonement areas.				
Movement to/from Ranges	Soldier hit by vehicle	M	1. OIC identifies hazards during convoy safety briefing. 2. Soldiers will not walk between running vehicles.	L	OIC Safety Briefing and Supervision	VC Convoy Commanders Leaders at all levels	
			3. Ground Guides will not cross in front or behind a running vehicle and will not place their body in between vehicles when ground guiding.				

ITEMS 5 THROUGH 12 CONTINUED:

5. SUBTASK	6. HAZARDS	7. INITIAL RISK LEVEL	8. CONTROLS	9. RESIDUAL RISK LEVEL	10. HOW TO IMPLEMENT	11. HOW TO SUPERVISE (WHO)	12. WAS CONTROL EFFECTIVE?
Conduct of Live Fire Exercise	Negligent weapon discharge or misfire	M	1. OIC/RSO identifies hazards in Range Safety Brief and instructs VC's to ensure all weapons are cleared prior to exiting course IAW MCOE Reg 350-19. VC reports all clear to tower.	L	FM 3-20.21 RSO/OIC Safety Briefing and supervision	OIC/RSO Leaders at all levels VC's Gunners	
			2. VC's ensure that weapons systems are clear when not conducting live fire exercises. 3. Personnel conducting live fire do not upload weapons until instructed to do so by the tower.				
			4. VC's ensure that all weapons systems are placed in electrical and mechanical safe when not in use during the live fire exercise. 5. VC's ensure that proper weapons immediate				
			action/ clearing techniques are utilized. 6. OIC/RSO ensure that all personnel participating in live fire exercise are qualified on the Gunnery Skills Test and Gunnery Table I.				
			7. OIC/RSO ensure that all crews are qualified on Gunnery Table VI and all Platoons are qualified on Gunnery Table XII. 8. RSO ensures that proper weapons				
			maintenance is conducted and prep-to-fire checks have been completed to standard. 9. Weapons systems oriented downrange at all times.				
Conduct of Live Fire Exercise	Soldier Injured by Moving Turret	M	1. OIC/RSO identifies hazards during safety briefing. 2. Turret Drive set to manual mode when clearing coax and main gun.		Range Safety Brief Crewmembers maintain situational awareness at all times	OIC/RSO Leaders at all levels VC's Gunners	
			3. Operator visually clears area around turret and announces "Power" prior to traversing. 4. Turret access door remains closed when in use.		Rehearsals		
			5. Drivers announce when they are exiting the driver's station, operator sets turret drive to manual mode prior to exiting.				

ITEMS 5 THROUGH 12 CONTINUED:

5. SUBTASK	6. HAZARDS	7. INITIAL RISK LEVEL	8. CONTROLS	9. RESIDUAL RISK LEVEL	10. HOW TO IMPLEMENT	11. HOW TO SUPERVISE (WHO)	12. WAS CONTROL EFFECTIVE?
Conduct of Live Fire Exercise	Ammunition Detonation	M	1. RSO/OIC briefs proper weapons clearing procedures. 2. Crewmembers conduct weapons loading/clearing procedures IAW Gunnery Skills	L	Range Safety Briefing Leader Involvement Rehearsals Continuous Supervision	OIC/RSO Leaders at all levels Ammunition NCO Vehicle Commanders	
			Test, Gunnery Table I, and -10 Manual standards. 3. Leaders ensure that Soldiers are not tampering with or attempting to alter				
			ammunition. 4. Leaders ensure that Soldiers are handling ammunition IAW -10 Manual standards. 5. Crewmembers briefed that lap loading is not				
			authorized. 6. Ammunition stored at field ASP's IAW MCOE Reg 350-19 prior to issue and stored IAW -10 manual when issued to units				
			conducting live fire exercise.				
Conduct of Live Fire Exercise	Animal Bites and Stings	M	1. OIC/RSO identifies hazards during safety briefings. 2. Soldiers instructed to stay away from local wildlife.	L	RSO/OIC Safety Brief	Leaders at all levels Medics Buddy Teams	
			3. Soldiers allergic to bites and stings identified by medical personnel, marked, and provided with sting kits.				
Conduct of Live Fire Exercise	Soldier struck by unsecured vehicle hatch	M	1. OIC/RSO identifies hazard during range safety brief. 2. All Soldiers familiarized with hatch operation prior to movement to ranges.	L	RSO/OIC Safety Brief and supervision	Vehicle Commanders Leaders at all levels	
			3. Crews conduct proper maintenance. VC's ensure that all required safety pins/hatch locking mechanisms are in place and fully operational.				

ITEMS 5 THROUGH 12 CONTINUED:

5. SUBTASK	6. HAZARDS	7. INITIAL RISK LEVEL	8. CONTROLS	9. RESIDUAL RISK LEVEL	10. HOW TO IMPLEMENT	11. HOW TO SUPERVISE (WHO)	12. WAS CONTROL EFFEC-TIVE?
Conduct of Live Fire Exercise	Heat Injury	H	1. Soldiers receive daily safety briefing identifying heat hazards. Leadership identifies and closely monitors Soldiers with prior heat injuries.	M	IAW USAIC Reg 40-14: Prevention of Heat Injuries Ice sheets available on range.	RSO/OIC Medics Vehicle Commanders Leaders at all levels	
			2. Immersion coolers and ice sheets present on the range to treat heat casualties. 3. All Soldiers wear a hydration source and ensure that it remains filled with water.			Buddy Teams	
			4. OIC ensures that a filled water buffalo remains on site, parked under a shade. Water buffalo will be checked twice daily to ensure adequate water is available to support training.				
			5. Heat Casualties will be treated by the Medics/CLS on site and evacuated to MACH if necessary. 6. Soldiers will eat 3 meals per day.				
			7. Soldiers in vehicles will have water accessible to them at all times while waiting to execute the live fire exercise. Ramps will remain lowered and hatches will be open. Each				
			vehicle will maintain at least one five gallon jug of water. 8. The OIC/RSO will verify that crews are adhering to guidelines stated above. VC's will				
			ensure that all crewmembers are drinking water while executing the exercise (time permitting) and report any heat injuries to the tower. 9. Leaders will monitor Soldiers and ensure that				
			they are drinking an adequate amount of water. 10. Energy drinks are prohibited in training areas. Leaders will inspect Soldier's equipment and ensure that no energy drinks are present.				
Conduct of Live Fire Exercise	Hearing Loss	M	1. Soldiers receive safety brief identifying noise hazards. 2. Soldiers will be required to bring earplugs to the field as part of their uniform.	L	IAW USAIC Reg 210-5	RSO/OIC Medics Leaders at all levels Individual	
			3. Additional earplugs will be available at the medic station. 4. Soldiers will wear earplugs when firing or operating in the vicinity of weapons fire.				

ITEMS 5 THROUGH 12 CONTINUED:							
5. SUBTASK	6. HAZARDS	7. INITIAL RISK LEVEL	8. CONTROLS	9. RESIDUAL RISK LEVEL	10. HOW TO IMPLEMENT	11. HOW TO SUPERVISE (WHO)	12. WAS CONTROL EFFECTIVE?
Conduct of Live Fire Exercise	Loss of Eyesight	M	1. All Soldiers wear ballistic glasses while firing on Range. 2. Soldier sustaining eye injury immediately evacuated to higher level medical facility.	L	Safety Brief Leader checks PCC's/PCI's	OIC/RSO NCO supervision Individual Medics	
Conduct of Live Fire Exercise	Firing unapproved ammo on the range	M	1. OIC/RSO and Ammo NCO cross check range packet with e581 to ensure only approved ammo is present on the range and verify DODICs match firing/nonfiring data. 2. Ammo NCO opens at least one case of every type of ammunition to verify contents are consistent with DODAC on ammo can.	L	RSO brief Ammo NCO on type of ammunition to be fired	RSO/OIC Ammo NCO Range Safeties/OC's Squad Leaders/VC's	
Conduct of Live Fire Exercise	Round Out of Impact	H	1. Gunnery packet including GST/GTI score, training simulator crew summary, crew gunnery scoresheets, and Platoon qualification data submitted to OIC and MG prior to any crew conducting dry or live fire training. 2. Range will be proofed by a Master Gunner for each platform IOT ensure targets can be engaged safely within the range fans.	M	OIC will collect crew packets during initial range brief on day one of range.	RSO/OIC Beach Master VC's Master Gunner	
			3. Each firing vehicle followed by chase vehicle during periods of limited visibility to ensure proper turret orientation during conduct of the table. Chase vehicle commander will be SSG		Standards briefed during safety brief by OIC/RSO. Beach Master will not advance a vehicle not in		
			or above and will have night vision capability. The chase vehicle will have direct FM communications with the tower and the firing vehicles.		compliance. Tower will not begin live fire without chase vehicle in place and on firing frequency		
			4. Crews will only engage targets within their sectors of fire. VC will ID range fans prior to executing the range and report back to the tower.				
			5. Weapons will be oriented downrange at all times while executing the live fire exercise.				

ITEMS 5 THROUGH 12 CONTINUED:

5. SUBTASK	6. HAZARDS	7. INITIAL RISK LEVEL	8. CONTROLS	9. RESIDUAL RISK LEVEL	10. HOW TO IMPLEMENT	11. HOW TO SUPERVISE (WHO)	12. WAS CONTROL EFFECTIVE?
Conduct of Live Fire Exercise	Fire inside crew compartment of vehicle.	M	1. Crews complete prep-to-fire checks prior to conducting live fire. 2. Leaders complete PCC's/PCI's prior to conducting live fire.	L	Safety Brief Unit SOP Leader Supervision	OIC/RSO Leaders at all levels VC's	
			3. Crews conduct PMCS daily. 4. Crews complete rehearsals of evacuation drills prior to conducting any movements. 5. Loaders follow proper loading procedure.				
			6. Crews wear Nomex or Fire Resistant ACU's with balaclava, gloves and spall vest when firing.				
Firing Mortar/Artillery Rounds	Ammunition Storage and Accountability	M	1. Ammo NCO oversees ammunition download and maintains round count throughout exercise. Also ensures ammunition is stored off the ground on a pallet at least 50m away from any	L	Range Safety Brief Leader Supervision Rehearsals	OIC/RSO Ammunition NCO Leaders at all levels	
			flammable material including dry grass. 2. Ammo NCO reports rounds expended to the OIC at the conclusion of firing. OIC reports rounds expended to range control.				
			3. Ammunition will be guarded throughout the training exercise.				
Firing Mortar / Artillery Rounds	Fratricide	H	1. RSO briefs range limits and safety procedures. 2. FDC will have range fans drawn out on a map.	M	Safety Brief PCC's/PCI's Crew trainup prior to LFX	RSO/OIC FDC Chief Section Leaders Crew Leaders	
			3. All firing crews completed gunner exams and MORTEP prior to conducting exercises. 4. Section Leaders conduct inspections prior to movement to range and live fire.				
			5. Misfires handled IAW FM 6-30. 6. Sections rehearse crew drills prior to conducting live fire. 7. All rounds inspected prior to live fire.				
			8. Proper tube maintenance will be conducted IAW -10 manual.				

ITEMS 5 THROUGH 12 CONTINUED:

5. SUBTASK	6. HAZARDS	7. INITIAL RISK LEVEL	8. CONTROLS	9. RESIDUAL RISK LEVEL	10. HOW TO IMPLEMENT	11. HOW TO SUPERVISE (WHO)	12. WAS CONTROL EFFECTIVE?
Firing Mortar / Artillery Rounds	Misfire	M	1. Soldiers receive safety brief on terrain. 2. Leaders will designate the appropriate uniform IAW applicable TM/FM. 3. Soldiers will be trained on all mortar equipment prior to executing training.	L	Crew trainup prior to LFX Safety Brief	Safeties/OC's Section Leaders Crew Leaders	
Firing Mortar / Artillery Rounds	Round fired outside approved SDZ	M	1. Proper call for fire procedures observed IAW FM 6-30. 2. Positive ID of all targets prior to engagement using predetermined targets. 3. Platoon Leaders calling for fire will request all fire missions through Battalion TOC using FBCB2 (primary) or FM (alternate). 4. FSO verifies all fire missions.	L	Leaders Brief	Safeties FSO/FSNCO Section Leaders Crew Leaders	
Dismounted Squads	Negligent Discharge	H	1. Soldiers receive detailed brief concerning when they will be allowed to load / unload weapons, proper weapons posture while handling weapons on the range, and when they will receive ammunition. Soldiers will not receive ammunition until they enter the firing line. 2. All Safeties/OC's and leaders will ensure weapons are treated as if they are loaded at all times and ensure Soldiers maintain muzzle awareness. 3. Leaders and Safeties will ensure all weapons are kept on safe. Weapons will be set to Fire only when a Soldier is preparing to engage a target. Leaders will supervise Soldiers when while they are firing to ensure correct weapons posture and orientation. 4. Range OIC/RSO will go to a check fire for any incident or injury and will conduct MEDEVAC and reporting as necessary. 5. Any Soldier identified as a risk during dry and blank training will be removed from training and retrained as necessary.	M	Safety Brief Leader Supervision Rehearsals Continuous, Direct Supervision	OIC/RSO NCO Supervision Range Safeties/OC's Individual	

ITEMS 5 THROUGH 12 CONTINUED:							
5. SUBTASK	6. HAZARDS	7. INITIAL RISK LEVEL	8. CONTROLS	9. RESIDUAL RISK LEVEL	10. HOW TO IMPLEMENT	11. HOW TO SUPERVISE (WHO)	12. WAS CONTROL EFFECTIVE?
Dismounted Squads	Negligent Discharge	H	6. Any Soldier who has a negligent discharge during any iteration (dry, blank, or live) will be disqualified from live fire training. 7. Squad Leaders will visually observe Soldiers	M	Safety Brief Leader Supervision Rehearsals	OIC/RSO Safeties/OC's Individual	
			performing weapons clearing procedures IAW MCOE Reg 350-19 and applicable TM. 8. Medics will be onsite to perform immediate aid as necessary.				
Dismounted Squads	Fratricide	H	1. Safeties will ensure weapons are on safe and fingers are out of the trigger well unless Soldiers are engaging targets. No Soldier will begin bounding unless his weapon is on Safe.	M	Range Safety Brief Leader Supervision Rehearsals	OIC/RSO Leaders at all levels Range Safeties Individual	
			2. Soldier's will conduct dry and blank iterations prior to conducting the live fire exercise to ensure proficiency in execution of Individual Movement Techniques (IMT). Proper muzzle				
			orientation, weapons status, and bounding techniques will be emphasized during dry and blank runs. Soldiers demonstrating a lack of proficiency will be barred from live fire training.				
			3. There will be one Safety/OC for every dismounted squad. Each safety will ensure that squad members are not flagging each other. Forward movement will be halted if flagging				
			occurs. Movement will not continue until both teams in the squad are in proper position. Each Safety will maintain awareness of the position of the dismounted Soldiers and use a hand held				
			radio to communicate with the tower and other Safeties to halt and commence movement. 4. Zero tolerance of negligent discharges will be enforced.				
Dismounted Squads	Shooting outside of range limit markers.	M	1. Soldiers will be briefed on their right and left range limits prior to executing the scenario. 2. Safeties will verify gun-target lines and call for cease fire as necessary.	L	Safety Brief Leader Supervision PCC's/PCI's	OIC/RSO Safeties Leaders at all levels Individual	
Conduct of Live Fire Exercise	3RD BDE assuming the risk of training outside units	M	1. Outside unit's crews will meet all necessary gates prior to conducting LFX IAW FM 3-20.21. 2. Outside units conduct all phases of training.	L	Outside Unit will bring memo their Commander verifying that they have met all necessary training gates.	OIC	

ITEMS 5 THROUGH 12 CONTINUED:

5. SUBTASK	6. HAZARDS	7. INITIAL RISK LEVEL	8. CONTROLS	9. RESIDUAL RISK LEVEL	10. HOW TO IMPLEMENT	11. HOW TO SUPERVISE (WHO)	12. WAS CONTROL EFFECTIVE?
Dismounted Squads	Mixing of Blank and Live small arms ammunition	M	1. OIC/RSO will ensure that blank and live ammunition is not intermixed at any time. 2. All live and blank ammunition on the range will be kept in separate areas separated by	L	Range Safety Brief Leader Supervision Rehearsals Ammunition Shakedowns	OIC/RSO Leaders at all levels Ammunition NCO Individual	
			concertina wire in sight of the Ammunition NCO. 3. Ammunition point will be under positive control of the ammo NCO at all times.				
			4. The RSO will supervise Squad Leader shakedown at the completion of each iteration. 5. RSO will verify that all BFA's have been removed prior to conducting live fire iterations.				
			6. Ammo NCO will control all magazines on the range. Magazines will be marked blank or live and will be uploaded accordingly by the ammo detail.				
			7. Leadership will ensure that their Soldiers have removed all BFA's prior to conducting live fire iterations and will conduct shakedowns of all Soldiers at the completion of each blank and				
			live iteration.				
Conduct of Live Fire Exercise	Cold Weather Injury	M	1. Leaders will ensure Soldiers wear loose, layered clothing while conducting training when dictated by weather conditions. 2. Soldiers will remove layers of clothing when	L	Safety Brief Leader Supervision Daily Inspections	OIC/RSO Leaders at all levels Medics Buddy Teams	
			conducting strenuous activity and add layers when at rest or conducting light activity. 3. Leaders will ensure that Soldiers are wearing a clean uniform and are changing socks on a				
			daily basis. 4. Hatches on combat vehicles will remain open when heaters are running to allow for carbon monoxide dissipation.				
			5. Soldiers will not sleep inside of vehicles with the heater running.				



RECORD OF ENVIRONMENTAL CONSIDERATION (REC)



EMD Number: 1125202X2

Project#: WAR4A4

Project Title: Hammer Focus, adding vehicles

Description of proposed action:

A platoon sized element will conduct a Combined Arms Live Fire Exercise (CALFEX)utilizing tanks, Bradley's, and HMMWVs firing the weapons systems listed below. PLEASE RUSH

Project Location:

Carmouche Range

Amount, Description, Location of Disturbance/Digging:

None

Number/Types of Vehicles:

8 Types of vehicles: tank, Bradley, HMMWV. No Vehicles will be going off road.

Number of Personnel:

150

Type of Ammunition:

7.62mm, .50 cal, 25mm, 120mm Live and Blank

Number/Types of Trees:

None

Size of Project Area: NA

Duration of Action:Start: 10/19/2011 Stop: 9/30/2012

Proponent: craig.black 544-3865

Organization/Unit: 3RD BDE, 3RD ID

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

Cultural Resources - Archeological

Conditions:

Edward Howard (706 545 1898), 10/18/2011

See attached JPEG maps for reference. The project area contains federally protected sensitive sites. These sites may be marked with Siebert 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 7576), 9/12/2011

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

CWA - Training

Conditions:

Jessica Taylor (706-604-4572), 10/19/2011

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.

Natural Resources - RCW

None

Michael Barron (706 544 7080), 10/18/2011

Hazardous Materials/Waste

Conditions:

Dudley Carson (706 545 7570), 9/13/2011

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.

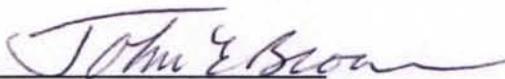
All excess, unused munitions (including smoke canisters) must be returned to the Ammunition Supply Point (ASP) after the range operation is complete. Defective, misfired, or otherwise unserviceable munitions may be destroyed on the range, as part of the training exercise, in coordination with EOD.

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.

Signature



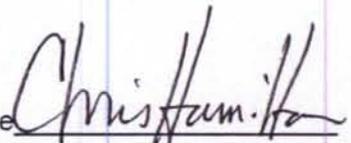
John E Brown

NEPA Program Manager

Date

20 Oct 2011

Signature

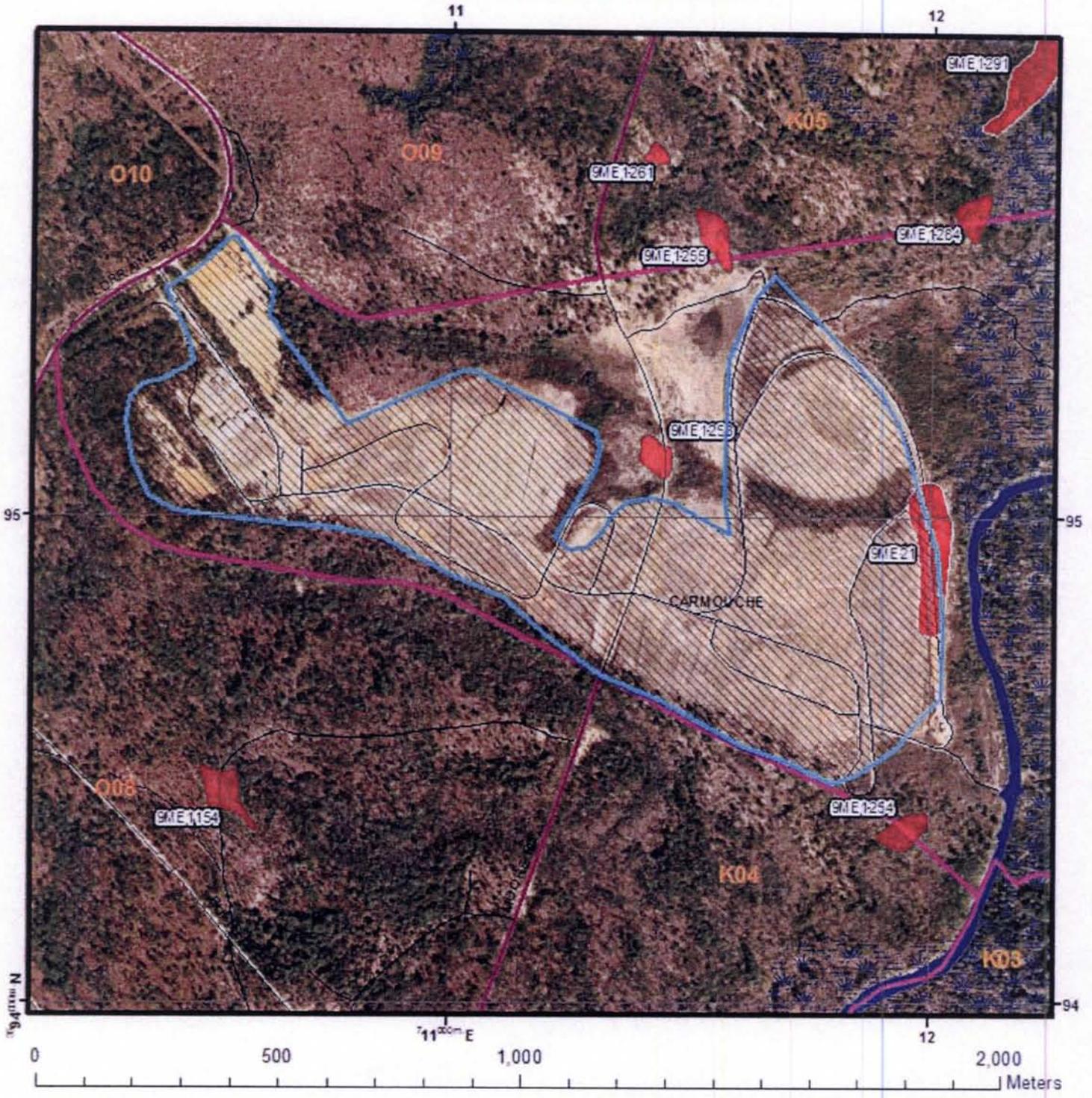


Christopher E. Hamilton, PhD

EPMB Chief

Date

20 Oct 11



Historic_bldgs STATUS

- Historic
- Historic/FRL
- Not Evaluated
- Not Eligible
- Not Historic
- Demolished
- Moved to New NIM
- Prgm Cmt
- Prgm Cmt/FRL

Historic Districts

- Name**
- Lawson Army Airfield
 - Main Post
 - Parachute Jump Tower
 - No Vehicles or ground disturbing activity



DPW-EPMB
Cultural Resources

Example Unit/Activity SOP for Training and Deployment

Introduction

This SOP is divided into two main sections: PREVENTION & RESPONSE. The following sections will assist you in planning your environmental activities while bedding down, initiating, sustaining and conducting field exercises, and/or during deployment. Before you deploy, ensure you are familiar with the following:

What Are Hazardous Materials and Hazardous Wastes

Hazardous Materials are defined as any material that may be a health or physical hazard, or any material that, based on either chemical or physical characteristics, is capable of posing a risk to human health or the environment if improperly disposed of, handled, stored, or transported. Chemical and physical characteristics that may pose a risk to human health or the environment include, but not limited to, one of the following characteristics: Ignitable; Corrosive; Reactive and/or Toxic.

Hazardous Waste: is defined as any discarded material (solid, liquid or gas) that:

1. Has no further value and cannot be reused or recycled;
2. Is harmful to human health or the environment due to its quantity, concentration, biological, chemical or physical characteristics; and/or
3. Exhibits one or more of the characteristics as described for Hazardous Material.

Contaminated or unusable fuel is a typical hazardous material/hazardous waste common to training and deployment operations and should be handled, stored, and disposed of properly.

Ten of the most common hazardous materials/hazardous wastes that you will encounter during training and or deployment operations include:

- Fuel
- Engine Oil
- Bleach or DS-2
- Solvent
- Anti-Freeze
- Transmission Fluid
- Used Oil Filters or Batteries
- Empty POL Containers
- Brake Fluid
- Grease.

These materials should be handled, stored and disposed of properly.

SPILL KITS: Spill kits should be maintained in and around all locations where hazardous materials/hazardous wastes are stored, handled, or disposed. Various types of kits may be ordered through the U.S. Army Supply System and include: rubber gloves, safety goggles, putty, rubber mallet, wooden plugs, absorbent booms, absorbent pads, plastic bags, and in some cases, a disposal barrel.

SPILL PREPARATION: Despite the best prevention, you may run into difficulties and an accident may occur when you least expect it. To minimize contamination, hazards to people, and environmental damage, you must REACT immediately. To help you prepare, this SOP will tell you:

- **HOW to PLAN** and be ready to respond to a problem;
- **HOW to REACT** to a minor, intermediate or major spill; and
- **WHAT** to do after a spill occurs.

Planning

MINOR SPILLS

- When on the move, keep some plastic bags in your vehicle, and have your assigned On-Vehicle Equipment (OVE) ready for use.
- Maintain supplies, rags, absorbent pads, or other kinds of materials that will soak up spills on hard surfaces (like Dry Sweep), or know where you can easily obtain them.
- Keep Personal Protective Equipment (PPE) accessible (gloves, goggles, etc.).

INTERMEDIATE & MAJOR SPILLS

In addition to the procedures above:

- Know where to go for help.
- Know where spill kits are kept and learn how to use them.

Prevention

Vehicle Maintenance and Fueling Points, Hazardous Waste Collection Points and hazardous material Storage & Supply Areas may not be set up at your deployment destination. So PLAN to build your areas to prevent hazardous material accidents before they occur. Remember the following:

HAZARDOUS MATERIAL/HAZARDOUS WASTE AREA LOCATION - Locate hazardous material/hazardous waste areas away from living areas, bunkers, ammunition storage, fence lines and/or dining facilities. Place them near the areas where hazardous material are used.

MATERIAL SAFETY DATA SHEET (MSDS) - Keep MSDSs for each hazardous material stored or collected at hazardous material/hazardous waste areas.

UNIT/ACTIVITY ENVIRONMENTAL SOP & SPILL RESPONSE PLAN - Place SOP and Spill Response Plan at each hazardous material/hazardous waste area.

COMPATIBILITY OF MATERIALS - Store and/or dispose of each class of hazardous material/hazardous waste separately. MSDSs describe the classification of HMs. Four common classification include the following: Flammable (fuels), Corrosives (acids), Reactive (explosives), and Toxic (insecticides).

BEFORE you deploy, plan to pack drip pans, rags, plastic, Dry Sweep, absorbent, and spill pallets to prevent drips, spills, and leaks from seeping into the ground and contaminating soil and water resources.

SECONDARY CONTAINMENT - All liquid hazardous material/hazardous waste must have secondary containment. In order for it to be effective it must:

1. Hold 10% of the total hazardous material/hazardous waste stored or 100% of the largest container.
2. Have sand and/or pallets placed in certain areas to protect the liner.
3. Have overhead cover.

You should continually keep your hazardous material/hazardous waste areas clean and orderly by applying the principals of Monitoring and Housekeeping. An easy way to remember what to check, is

to remember your **CHECK** list:

Containment:

- ___ Ensure that secondary containment is used and in good condition.
- ___ Empty water within secondary containment on a regular basis and dispose of it as hazardous waste at the Hazardous Waste Collection Point.

Hazardous Material/Hazardous Waste locations:

- ___ Make sure the locations of your hazardous material/**hazardous waste** are well chosen.
- ___ Put up warning signs and keep them clean and orderly.

Environmental Documentation:

- ___ **Maintain MSDSs for each hazardous material and update Unit/Activity SOPs and Spill Response Plans regularly.**

Containers:

- ___ Check condition of containers and keep containers of incompatible materials in proper order.

Kits:

- ___ Place Spill Kits, First Aid Kits, and Emergency Response Kits in the vicinity of the hazardous material/hazardous waste areas.

See Appendix D of the ASP for specific CHECKlists for areas such as: Vehicle Fueling & Maintenance Areas; Hazardous Waste Collection Points; and Hazardous Material Supply & Storage Areas.

Response

Be prepared to respond immediately to any spill situation. Keep your Environmental SOP and Spill Response Plan (SRP) readily available at the main hazardous material/hazardous waste areas. The SRP should ensure that the following measures are implemented:

- PERSONAL PROTECTIVE EQUIPMENT (PPE) - At the entrance of every hazardous material/hazardous waste area, keep a supply of PPE to protect hands, eyes, skin, ears, head, feet, and lungs. If you are unsure about which items you need, consult the MSDS for the HMs that you are using.
- MSDS - Make sure that MSDSs are available in order to REACT to spills safely and effectively.
- SPILL STATIONS - Maintain spill response equipment at a station near (not inside of) hazardous material/hazardous waste areas. They should contain: First Aid Kits, Fire Extinguishers, Spill Response Kits, and Emergency PPE.
- TRAINING - Improve your readiness by practicing the SPILL DRILL on a regular basis, and be sure to know the spill reporting process.

Respond to spills, major or minor, immediately in order to eliminate hazards that could cause personal injury and/or environmental damage. If assistance is required, or spill/release is major, immediately call 911 or the Fort Benning Military Police (MP) Desk.

In any spill situation:

1. **Safety First!** -- Protect yourself by using PPE, including goggles, gloves, and suits. THEN...
2. Do the **SPILL DRILL -- REACT:**

REMOVE THE SOURCE: Plug the drip or leak and stop the spill.

ENVELOP THE SPILL: Place absorbent booms around the spill area, or build an earthen dam, when appropriate, around the spill.

ABSORB/ACCUMULATE: Place appropriate absorbent material (Dry Sweep, pads, etc.) on the spill in the middle of the boomed-off area.

CONTAINERIZE THE HAZARDOUS WASTE: Use a shovel to place contaminated materials (including soil, booms, pads or other materials) in a plastic bag or a waste drum.

TRANSMIT A REPORT: If a spill is too large to handle alone, - REACT as best you can and get help!

See Appendix D of the ASP for specific REACT actions for spills involving:

- **Minor Spills** (20 gallons or less);
- **Intermediate Spills** (from 21-55 gallons); and
- **Major Spills** (more than 55 gallons), or any spill into water, where injuries occurred or where spills occurred off Fort Benning associated property.

In addition:

- Prevent hazardous material from entering storm sewers and waterways;
- Minimize impacts to vegetation and wildlife; and
- Notify proper personnel and maintain record of spill event.

Acronyms are defined in the ASP Table of Content

APPENDIX H

Spill Kits and Response Material Checklists

Summary Spill Kit and Response Material Checklist

Recommended Spill Kits for Unit/Activity Motor Pools, Aircraft Hanger Areas, and all POL Field Sites

Recommended Spill Kits for Fuel Carrying Vehicles

Recommended Spill Kits for Other Military Vehicles

Vehicles Transporting Hazardous Materials other than POL

Summary Spill Kit and Response Material Checklist

Spill Kits and Response Material	Primary Contents
<p>Spill kits should be maintained in and around all locations where hazardous material and hazardous waste are stored, handled, or disposed.</p> <p>The contents of a spill kit will vary depending on the hazardous materials and their characteristics.</p> <p>Hazardous materials other than POL will require spill kits to meet their specific requirements, (i.e., acid spill kit for Battery Shop that handles lead acid batteries).</p>	<p>Spill kits should include as a minimum:</p> <ul style="list-style-type: none"> ✓ Rubber gloves, ✓ Safety goggles, ✓ Putty, rubber mallet, ✓ Wooden plugs, ✓ Absorbent booms, ✓ Absorbent pads, ✓ Plastic bags, and ✓ In some cases, a disposal barrel.
<p>The Unit/Activity must check the material's MSDS for specific information on PPE and spill supplies.</p>	<p>Units/activities transporting hazardous materials should also plan for having a minimum amount of response materials on hand.</p> <ul style="list-style-type: none"> ✓ Various types of kits can be ordered through the U.S Army Supply System (through the Units supply or S-4 shop); ✓ The Unit/Activity must assess their hazardous material inventory and plan to have enough spill response material to respond to the larger container within their facility and the minimum for any specific hazardous material that require specific spill materials or PPE; and ✓ Whenever the Unit gets to this minimum level, the user should initiate a reorder to the supply NCO or S-4 to maintain the minimum amount on-hand.

Acronyms are defined in the ASP Table of Contents

Recommended Spill Kits for Unit/Activity Motor Pools, Aircraft Hanger Areas, and all POL Field Sites

30-Gallon POL Boom Kit: Absorbs Approx. 40 Gallons
Polyurethane 2 Rolls
55-Gallon POL Kit: Absorbs Approx. 40 Gallons
1 55 Gallon Drum
2 Bags Absorbent
6 Booms 2x10
50 Absorbent Pads
10 Heavy Duty Trash Bags

Recommended Spill Kits for Fuel Carrying Vehicles

It's recommended that all fuel carrying vehicles should have a transportation pack spill kit or equivalent spill equipment on board at all times. The following vehicles are considered to be fuel transporting vehicles: HEMITT M971 2500 gallons, Tanker 5000 gallon, M49C 1200 gallon, Tank and Pump unit 600 gallon.

The following is a list of the minimum level of spill equipment recommended to be on hand in all fuel carrying vehicles, especially if they are traveling within the Installation or in a field exercise.

Drip Pan

30-Gallon POL Kit: Absorbs Approx. 20 Gallons
1 30 Gallon Drum
1 16 pound bag Absorbent
3 Booms 2x10
25 Absorbent Pads ~17x19
5 Heavy Duty Trash Bags
1 Dust Pan

Recommended Spill Kits for Other Military Vehicles

Recommended on Vehicle Equipment (OVE) for small spills (usually from vehicle leaks):

1 drip pan
4-5 absorbent pads
1-2 plastic bags.

Additional Materials or Equipment

For each one of these recommended spill kits, the following should be available:
PPE such as: Goggles and Gloves. (2-3 pairs)
1 Shovel
2 Labels for wastes
1 Spill report
1 Inventory

Vehicles Transporting Hazardous Materials other than POL

- ✓ Transportation of hazardous materials is regulated under the Department of Transportation. Personnel transporting hazardous materials must follow all DOT requirements.
- ✓ As a preventive measurement, vehicles transporting small amounts of hazardous materials or waste should have a transportation pack spill kit or equivalent spill equipment on board to REACT in the event of an incident.

- ✓ Hazardous Materials other than POL will require spill kits to meet their specific requirements. The Unit/ Activity should check the MSDS for the materials that they transport and have appropriate amount for those particular materials.

Spill Response Record

PHASE I-IMMEDIATE ACTIONS FOR EVALUATING AND REPORTING SPILLS:

IMMEDIATELY REPORT ALL SPILLS TO YOUR SUPERVISOR AND/OR CALL 911 or the Fort Benning Military Police (MP) Desk

****BE PREPARED TO PROVIDE THE FOLLOWING INFORMATION TO THE 911 OPERATOR:**

During Duty Hours also Call Mr. Felix Seda, EMD Spill Manager at (706) 545-9879

1. DATE/TIME OF SPILL: _____ / _____
2. LOCATION: _____
3. MATERIAL SPILLED (include NSN and ingredients, if able): _____
4. HAZARD: FLAMMABLE _____ TOXIC _____ CORROSIVE _____
OXIDIZER _____ REACTIVE _____ UNKNOWN _____
OTHER (Specify) _____
5. CAUSE OF SPILL: _____
6. DESCRIPTION OF SPILL QUANTITY, SIZE AND TYPE OF AREA AFFECTED:
 - a. Quantity Released and Size of Spill Area: _____
 - b. Soil: _____
 - c. Pavement: _____
 - d. Vegetation: _____
 - e. Storm of Sewer Drain: _____
 - f. Name of body of Water (River, Creek, Pond, Lake, Drainage Ditch): _____
7. HAS RELEASE BEEN STOPPED? _____
8. HAS RELEASE BEEN CONTAINED? _____
9. DID RELEASE CROSS INSTALLATION BOUNDARIES: (IF YES, DESCRIBE LOCATION): _____
10. TYPE AND EXTENT OF INJURIES, IF ANY: _____

****Provide a copy of this form to DPW EMD Spill Program Manager or FAX to (706) 545-4209**

PHASE II — POST-SPILL RESPONSE AND CLEAN UP ACTIONS:

11. DESCRIBE CLEAN-UP METHOD AND CONTAINMENT PROCEDURES: _____
12. NAME OF CONTRACTOR INVOLVED IN CLEAN-UP: _____
13. ESTIMATED AMOUNT OF SPILL RESIDUE AND CONTAMINATED MATERIAL REMOVED: _____
14. ESTIMATED COST OF CLEAN-UP: _____
15. CORRECTIVE ACTION TAKEN OR TO BE TAKEN TO PREVENT FUTURE SIMILAR INCIDENTS: _____
16. NAME AND PHONE NUMBER OF PERSONNEL REPORTING SPILL: _____

****KEEP THIS FORM FOR A MINIMUM OF 5 YEARS**

FORT BENNING ENVIRONMENTAL REGULATIONS SUMMARY

RED-COCKADED WOODPECKER (RCW): Cavity trees are identified by two white bands. Cluster boundaries extend 200 feet around each cavity tree, and are delineated by diamond-shaped signs. **WITHIN a cluster:**

- Personnel MAY NOT stay for more than 2 hours; NO BIVOUACS.
- The only digging allowed is BY HAND for hasty defense light infantry fighting positions. ALL other digging is prohibited.
- Within one half mile of a cluster, NO MECHANICAL DIGGING may be done within 20 feet of any mature pine tree (8 inch diameter or greater).
- Off-road vehicles MAY NOT come within 50' of any cavity tree.
- Use only .50cal and 7.62mm (or smaller) blank ammo; NO LIVE FIRE.
- CS gas, HC smoke, and noise generators MAY NOT be used.
- Incendiary devices (including trip flares) MAY NOT be used.
- Only hardwood may be cut for camouflage; CUT NO PINE.

GOPHER TORTOISE: Inhabits burrows in high sandy areas. Some burrows are marked by white 1" PVC pipe topped with reflective tape. Digging and vehicular traffic must be kept more than 50 feet away from burrows.

----- CUT HERE -----

ENVIRONMENTAL INCIDENT REPORT FORM

For your protection, company commanders are asked to document any environmental incidents by completing this card and forwarding it to the Chief, Environmental Management Division, Building 6, Room 307, or call 545-2180, within 24 hours of incident. Check off incident and take corrective actions.

- ___ bivouacking in RCW cluster (Relocate bivouac site.)
- ___ off-road driving / parking within 50' of RCW cavity tree (Relocate.)
- ___ digging in RCW cluster [except individual hasty fighting positions] (Refill holes.)
- ___ scarring or felling of trees in RCW cluster (Contact EMD Conservation Branch through Range Control.)
- ___ digging or driving in Sensitive Area (Relocate, DO NOT refill holes.)
- ___ wildfire started (Begin suppression and contact Range Control.)
- ___ POL spill greater than 20 gallons on land or any quantity on water (Immediately contact Range Control and begin spill control - REACT.)
- ___ POL spill less than 20 gallons on land (Begin spill control - REACT; contact Range Control and submit a Spill Report Form to EMD within 24 hours.)

FORT BENNING ENVIRONMENTAL REGULATIONS SUMMARY

SENSITIVE AREAS: Endangered species habitat or cultural resources. They are marked with steel pickets and white signs. Digging and vehicular traffic is prohibited.

POL/HAZMAT SPILLS: Report all spills through Range Control at 545-3474. If assistance is required from the Fire Department/HAZMAT Team, Range Control will make notifications through E-911. For POL spills greater than 20 gallons on land or any quantity on surface water, the Environmental Management Division (EMD) must be immediately notified through E-911 or 545-9879/4203. For POL spills less than 20 gallons on land, a Spill Report Form must be submitted within 24 hours to the EMD (Call 545-9879 and/or FAX 545-4209). After hours call the spill pager at 317-6584.

Unit should begin spill control measurements (REACT) within their capabilities. If a spill occurs within a sensitive area; stop the source, contain, and absorb the spill material - do not dig until EMD personnel arrive at the site.

Be prepared to report:

- Time, grid location, and cause of spill.

- Type of product and amount spilled.

- Distance from flowing water.

- Action taken to combat spill.

See USAIC 210-4, Range and Terrain Regulations, for more detail.

ENVIRONMENTAL INCIDENT REPORT FORM

Unit: _____

OIC/NCOIC: _____

Training Area: _____

Grid Coordinates: _____

Date and Name: _____

Signature: _____

FB (DPW) Form 31, 1 May 2004 PREVIOUS EDITION OBSOLETE

Carmouche Range 3rd BDE CALFEX

