

## 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:** 05 DECEMBER 2011 Log #4-19-11  
**Range:** Red Cloud  
**Title:** Maneuver Pre Command Course HOTEX Demonstration  
**Problem No:**

**THRU:** 1st BN 29th IN  
Fort Benning, GA. 31905

**FROM:** S-3, 1st BN 29th IN  
Fort Benning, GA.31905

### SECTION I, TYPE OF TRAINING

a. Live Fire       b. Non-live Fire      CP/Controller Coordinates: FA 9487 8178

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

Coordinates	Type	Model/DODAC	Size of Charges
N/A	N/A	N/A	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:

- 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:

### SECTION V, NON-LIVE FIRE TRAINING

- 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:  
JESSE A. McADAM, CPT, BN ASSISTANT S3

Name/rank of Major Unit S3/Commander:  
CHRIST M. HRISTOFIDIS, MAJ, BN S3

### SECTION VI, FOR RANGE DIVISION USE

**DATE:** 25 JAN 12

**TO:** 1st BN 29th IN  
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:
- d. This approval expires: **Indef**

See Roadblock Enclosure For Required Roadblocks and Roadguard Locations. Roadguards Will Maintain Communications With OIC.

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

*Bruce S. Taylor*





REPLY TO  
ATTENTION OF

**DEPARTMENT OF THE ARMY**  
HEADQUARTERS UNITED STATES ARMY MANEUVER CENTER OF EXCELLENCE  
1 KARKER STREET  
FORT BENNING, GEORGIA 31905-4500

ATZB-SO

23 January 2012

MEMORANDUM FOR 197<sup>th</sup> Infantry Brigade Commander, Fort Benning, GA 31905

SUBJECT: Maneuver Pre-Command Course (MPCC) HOTEX on Red Cloud Range

1. References. MPCC Range Package Review
2. All findings are documented with recommendations.
3. Recommend the MPCC Range Package HOTEX concur as written.
4. Point of contact is Scott A. Keith, Fort Benning/MCOE Safety Office, Comm. (706) 545-4010, DSN 835-4010, [scott.a.keith2.civ@mail.mil](mailto:scott.a.keith2.civ@mail.mil).

 G3-12  
JILL E. CARLSON  
Director, MCoE Safety

**Red Cloud Range 1/29 IN HOTEX (Log #04-19-11) Weapons/Ammo & Target List**

**Demonstration Phase**

Firing Positions	Weapons	Ammunition	Left Limit Mils, Grid Az	Right Limit Mils, Grid Az
Maneuver: 9496 8176 to 9487 8173	M1 Tank M2, M240C STRYKER ICV M2	.50 cal Ball/Tracer, 7.62mm Ball/Tracer .50 cal Ball/Tracer	2625	2940
Maneuver: 9496 8176 to 9491 8175	BFV M242 M240C	25mm M793/M910 7.62mm Ball/Tracer	2700 2700	3095 2940
BP 3, BP 4: 9486 8171	M1 Tank M2, M240C STRYKER ICV M2	.50 cal Ball/Tracer, 7.62mm Ball/Tracer .50 cal Ball/Tracer	2565	2720
BP 1: 9500 8175, BP 2: 9498 8171	BFV M242 M240C	25mm M793/M910 7.62mm Ball/Tracer	2780 2490	3120 3025
Mortar FP: 9488 8171	120mm Mortar M120/121	HE, WP, ILL, IR, FRPC	2860	3045
BP 2 Dismount: 9496 8173	M4, M249	5.56mm Ball/Tracer	2315	2540
BP 1 Dismount in Trench: 9495 8172 to 9492 8171	M4, M249	5.56mm Ball/Tracer	2150	2395
10m Zero: 9484 8171 to 9483 8170 25m Zero: 9484 8172 to 9482 8172	M249, M240 M4	5.56mm Ball/Tracer, 7.62mm Ball/Tracer 5.56mm Ball	2800 2855	2985 2930

Firing Positions	Weapons	Ammunition	Targets
Maneuver: 9496 8176 to 9487 8173	M1 Tank M2, M240C STRYKER ICV M2	.50 cal Ball/Tracer, 7.62mm Ball/Tracer .50 cal Ball/Tracer	#1 - #11
Maneuver: 9496 8176 to 9491 8175	BFV M242 M240C	25mm M793/M910 7.62mm Ball/Tracer	#1 - #22 #1 - #11
BP 3, BP 4: 9486 8171	M1 Tank M2, M240C STRYKER ICV M2	.50 cal Ball/Tracer, 7.62mm Ball/Tracer .50 cal Ball/Tracer	#1 - #11
BP 1: 9500 8175, BP 2: 9498 8171	BFV M242 M240C	25mm M793/M910 7.62mm Ball/Tracer	#1 - #22 #1 - #11 & Pop-up Targets
Mortar FP: 9488 8171	120mm Mortar M120/121	HE, WP, ILL, IR, FRPC	#14 - #22
BP 2 Dismount: 9496 8173	M4, M249	5.56mm Ball/Tracer	Pop-up Targets
BP 1 Dismount in Trench: 9495 8172 to 9492 8171	M4, M249	5.56mm Ball/Tracer	Pop-up Targets
10m Zero: 9484 8171 to 9483 8170 25m Zero: 9484 8172 to 9482 8172	M249, M240 M4	5.56mm Ball/Tracer, 7.62mm Ball/Tracer 5.56mm Ball	Zero Target Frames Right of BP4.

**Red Cloud Range 1/29 IN HOTEX (Log #04-19-11) Weapons/Ammo & Target List**

**IPCC Students Phase**

<b>Firing Positions</b>	<b>Weapons</b>	<b>Ammunition</b>	<b>Left Limit Mils, Grid Az</b>	<b>Right Limit Mils, Grid Az</b>
BP 3, BP 4: 9486 8171	STRYKER ICV M2	.50 cal Ball/Tracer	2565	2720
BP 1: 9500 8175, BP 2: 9498 8171	BFV M242 M240C	25mm M793/M910 7.62mm Ball/Tracer	2780 2490	3120 3025
Left 1/2 Concrete Trench: 9495 8172 to 9491 8171	M4, M249 M82A1 Barrett, M24	5.56mm Ball/Tracer .50 cal Ball, 7.62mm M118	2075 2665	2890 2890

<b>Firing Positions</b>	<b>Weapons</b>	<b>Ammunition</b>	<b>Targets</b>
BP 3, BP 4: 9486 8171	STRYKER ICV M2	.50 cal Ball/Tracer	#1 - #11
BP 1: 9500 8175, BP 2: 9498 8171	BFV M242 M240C	25mm M793/M910 7.62mm Ball/Tracer	#1 - #22 #1 - #11 & Pop-up Targets
Left 1/2 Concrete Trench: 9495 8172 to 9491 8171	M4, M249, M240 M82A1 Barrett, M24	5.56mm Ball/Tracer, 7.62mm Ball/Tracer .50 cal Ball, 7.62mm M118	#1 - #11 & Pop-up Targets #1 - #11

DEPARTMENT OF THE ARMY  
HEADQUARTERS, 1<sup>ST</sup> BATTALION, 29<sup>TH</sup> INFANTRY REGIMENT  
COLLINS TRAINING CENTER: BLDG 5500, BRADLEY DRIVE  
FORT BENNING, GA 31905-5594

ATSH-INA-A

17 JANUARY 2012

MEMORANDUM FOR: RANGE CONTROL

SUBJECT: HANDS ON TRAINING EXERCISE (HOTEX) LIVE FIRE SCENARIO

1. The following request outlines the request of 1<sup>st</sup> Battalion, 29<sup>th</sup> Infantry Regiment to conduct live fire exercises that incorporates the M2A3 Bradley Fighting Vehicles, the M1126 Stryker Infantry Carrier Vehicles, the M1129MC Stryker Mortar Carriers, M1A1 Tank, and the Infantry rifle squads all firing simultaneously in a time sequence. This exercise will be conducted on Red Cloud range in support of the Maneuver Pre Command Course (MPCC) or any other combined arms firepower demonstration as requested.

2. In preparation to live fire, all small arms and crew served weapons will be boresighted and zeroed from the area right of BP4 as soon as the range is given its hot opening code. Thereafter, before any live fire rehearsal or the HOTEX demonstration, the weapons will be test fired to ensure they are still zeroed. This test fire will use the same firing positions and targets used during the HOTEX live fire. The scheme of maneuver for the execution of the MPCC HOTEX is listed below. All rehearsals will include only phase 1 and phase 2.

3. Scheme of maneuver:

A. (Phase 1) One Stryker MCV will move from the respected staging area located at the right side of the range and move into position centered on the covered bleachers facing downrange. Directly followed, one M1A1 and a BFV transporting a four man rifle team, and one ICV transporting a 5 man rifle team will move from respected staging areas on the right and left side of the range to the center of the maneuver area in front of the bleachers. Each vehicle and dismounts will be clear of all ammunition while stopped equal distances from the Stryker MCV facing the bleachers at a 45-degree angle. The MCV then backs up into place for the Subject Matter Expert's briefing. The SME's then gives a brief narration of each vehicle's capabilities. After the ground vehicle brief, the SME for the Un-manned Aerial Vehicle (UAV) School will move to the front of the covered bleachers to introduce the UAV, simultaneously a remote piloted UAV will fly directly in the center of the maneuver area at around twenty to thirty meters off of the ground surface from the left to the right side of the range landing within the hand-launch area. NOTE: the UAV is a hand-held launch remote controlled aircraft that will fly around the Red Cloud range area for surveillance purposes only. Directly after the UAV briefing, the rifle squads located in the back of the ICV and BFV are introduced by the narrator and dismount their respected vehicles moving to a display position on the walkway centered in front of the covered bleachers facing the bleachers. At this time, the narrator will discuss the components of the Infantry squad. After the narration is complete, the squad will execute a right face and move out on foot to the end of the row of the bleachers and to the rear of the bleachers leaving the maneuver area. At this time, all vehicles will exit to the left and right side of the range in preparation for the live fire demonstration.

B. (Phase 2) One M1A1 Tank moves from the respected staging area on the left side of the maneuver area. Once the Tank has passed BP2, it will start engaging targets 1-11 with the mounted M2 .50 cal. and the 240C. The Tank will fire seven to ten round bursts with a three second pause between bursts until stopping in BP4. While in BP4, the Tank will continue firing until the end of the demonstration. Once the Tank is stationary in BP4, one Stryker ICV moves from the respected staging area on the left side of the maneuver area. Once the Stryker ICV has passed BP2, it will start engaging targets 1-11 with the

mounted M2 .50 cal. The Stryker ICV will fire seven to ten round bursts with a three second pause between bursts until stopping in BP3. While in BP3, the Stryker ICV will continue firing until the end of the demonstration. Once the Stryker ICV is stationary in BP3, two M2A3 BFVs' will move from the wood line on the left side of the maneuver area. Once the first BFV passes BP2, it will start engaging targets 1-22 with the 25mm main gun and 1-11 with 7.62mm coax. Same with BFV 2. Once both of the BFVs are in front of the bleachers, the BFVs' will initiate a left turn simultaneously while still engaging the same targets. Once the left hand turn has been completed, the BFVs' will move into BP1 and BP2. These BFVs' will alternate fire inside the BP's while also alternating between 25mm ammunition at targets 1-22 (12-22 are on Wells Hill) and 7.62mm ammunition at targets 1-11 and the trench pop-up targets. At this time, two Stryker Mortar Carrier Vehicles will move from the respected staging area on the right side of the maneuver area to the position directly to the left of BP3 (Mortar FP), line up in front of their respected firing areas, back into position and begin to engage targets 14-22 on Wells Hill with 120mm mortars. Simultaneously, the BFVs' positioned in BPs 1 & 2 will shift fire from targets 12-22 to targets 1-11 and cease fire on the trench pop-up targets. The BFV in BP2 will lower the rear ramp where a five man rifle team will dismount and move directly to the right of BP2 and assume the prone firing position and after given the command to lock/load begin to engage the trench pop-up targets with 5.56mm ammunition. Once the first dismount team is in place, a second four man team from the BFV in BP1 will bound behind the first fire team and move directly into the left 1/3 of the trench and after given the command to lock/load begin to engage the trench pop-up targets with 5.56mm ammunition. Once the second team is stationary in the trench, the first five-man team will place weapons on safe, displace and move into the left 1/3 of the trench and after given the command to fire they will place weapons on fire and resume firing at the trench pop-up targets. Safeties will be located with all dismounts to control movement and weapon status. Shortly after all mortars have impacted, a cease-fire will be called and all weapons will be verified to be cleared by Safeties prior to leaving their firing positions.

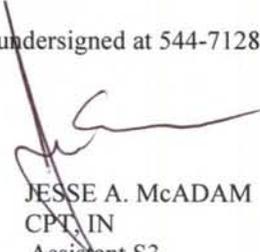
C. (Phase 3) Once the cease fire has been called, the display rollup Tank and BFV will move back into position directly in front of the covered bleachers facing at a forty-five degree angle where they will remain stationary for the duration of the hands on portion of the demonstration. After the roll-up vehicles are in place, all weapons systems will be verified that they are clear by safety NCOs. The Stryker Mortar Carrier's and the Tank will move off the range to the staging area on the right side of the maneuver area. The BFV's and Stryker will be used for familiarization fire for the MPCC students and will fire at the designated target. The target area for the Stryker is 1-11, 1-22 for BFV 25mm and 1-11/pop-up trench targets for BFV coax which will be designated by the Small Group Leader and will be identified by all students before firing. Once all vehicles are stationary, a detail will move various small arms weapons onto the range and into the trench for the hands on portion of the exercise. All of the 5.56mm and 7.62mm weapons systems will be firing at the trench pop-up targets. The M82-A1, .50 cal Sniper Rifle, and the M24 Sniper rifles will be firing at targets 1-11 from the LT 1/2 concrete trench. In BP3 there will be a Stryker mounted with the M2 .50 cal to be used for familiarization for the MPCC students firing at targets 1-11. The Trench is where the MPCC students will be under the direct supervision of specialized cadre who will be controlling movements and fire commands for this portion of the demonstration. They will be instructed when to move forward and also when it is safe to fire. Also, each weapon located in the trench will be cleared by the safety NCO prior to moving back to the starting point. Each weapon system on the range will have a safety present for the hands on portion of the exercise. All weapons systems will be cleared by safety NCOs following the completion of the exercise.

D. (Phase 4) In order to control crowds, cones will be placed from the bleachers to the firing points. All MPCC students will be directed to the weapons systems that are available for firing. Cadre, when entering, and exiting the fire line will accompany all students. All civilians prior to the HOTEX will be escorted to the bleachers to receive a safety briefing and range orientation from the Range Safety Officer. All civilians will be issued hearing protection prior to the live fire exercise. Eye protection will be provided at the firing line for all civilians. All movement onto and off of the firing line is controlled and monitored by the use of range safeties and barriers. While on the firing lanes or weapons stations all ammunition accountability, load, upload, and malfunctions will be controlled by Military Cadre only. All civilians prior to firing a particular weapon system will receive an orientation and weapons specific block of instruction. A 29th Regiment subject matter expert will strictly supervise all firing. In the event of a misfire or malfunction, the 29<sup>th</sup> Regiment subject matter expert will intervene and correct all problems in

accordance with applicable TM's. In the event of an accident, medics will be stationed on site. No children under the age of 18 will be allowed to fire any weapons system without permission and supervision of a parent or guardian. Children under the age of 8 or under 48 inches tall are not permitted to fire any weapon system. Civilians are not authorized to operate vehicles or crew-served weapon systems. Additionally, the subject matter expert supervising any weapon system has the authority to stop an individual from firing that weapon if he or she feels that firing would create an unsafe act or witnesses an unsafe act or safety violation. The Garrison Commander's approval will be obtained for civilian participation and all required legal documents will be signed prior to civilians arriving on Red Cloud.

E. (Safety) Unit will maintain contact with Range Control at all times. If communications are lost, the unit will go into a self induced check fire until communications are restored. If an incident occurs on the range, regardless of injury or not, the OIC/RSO will immediately report it to Range Control and the using unit's higher headquarters using the Range Control incident report SOP. Units will use the standard 9 Line MEDEVAC in case of illness or injury. Call 911 and determine what type of education is the most appropriate for the injury. MEDEVAC will be IAW MCoE Regulation 350-19 and USAIC 40-2. Landing zone for MEDEVAC aircraft will be established prior to use and will be marked appropriately. Using units higher Headquarters and Range Control will be notified of this event. There will be no de-linking of any ammunition. Any ammunition that has been de-link or re-linked is considered nonstandard and is prohibited from the range. When a malfunction is experienced, the OIC or Range Safety Officer will suspend all firing and immediately notify Range Control, retain the weapons and all components and ammunition involved in place. An investigation is required and will be conducted by DOL. Mortar hang fire/misfire will be cleared IAW approved SOP and MCoE Regulation 350-19. Unused mortar propellant will be disposed IAW MCoE Regulation 350-19. All vehicles with weapon systems will have range flags IAW MCoE 350-19.

4. The point of contact for this memorandum is the undersigned at 544-7128.



JESSE A. McADAM  
CPT, IN  
Assistant S3

Attch: Red Cloud diagram  
Risk Assessment

First Division Road

Red Cloud Range  
1/29th IN HOTEX

BLEACHERS

Vehicle Maneuver Firing

10/25m  
Zero

Mortar FP

BP2 Dismount

BP4 BP3

Concrete Trench



Red Cloud Range  
1/29th IN HOTEX

First Division Road

BLEACHERS

Vehicle Maneuver Firing

10/25m  
Zero

Mortar FP

BP2 Dismount

Concrete Trench

BP4 BP3

BP2 BP1



Red Cloud Range  
1/29th IN HOTEX

First Division Road

Dixie Rd

PARKING

Trail

BLEACHERS

Vehicle Maneuver Firing

Mortar FP

BP2 Dismount

Concrete Trench

Trench Pop-up  
TARGETS

1  
2  
3

TARGETS 1-4



Red Cloud Range  
1/29th IN HOTEX

First Division Road

Vehicle Maneuver Firing

Mortar FP  
Concrete Trench

BP2 Disambig

Trench Pop-up  
TARGETS

TARGETS 1-4



Red Cloud Range  
1/29th IN HOTEX

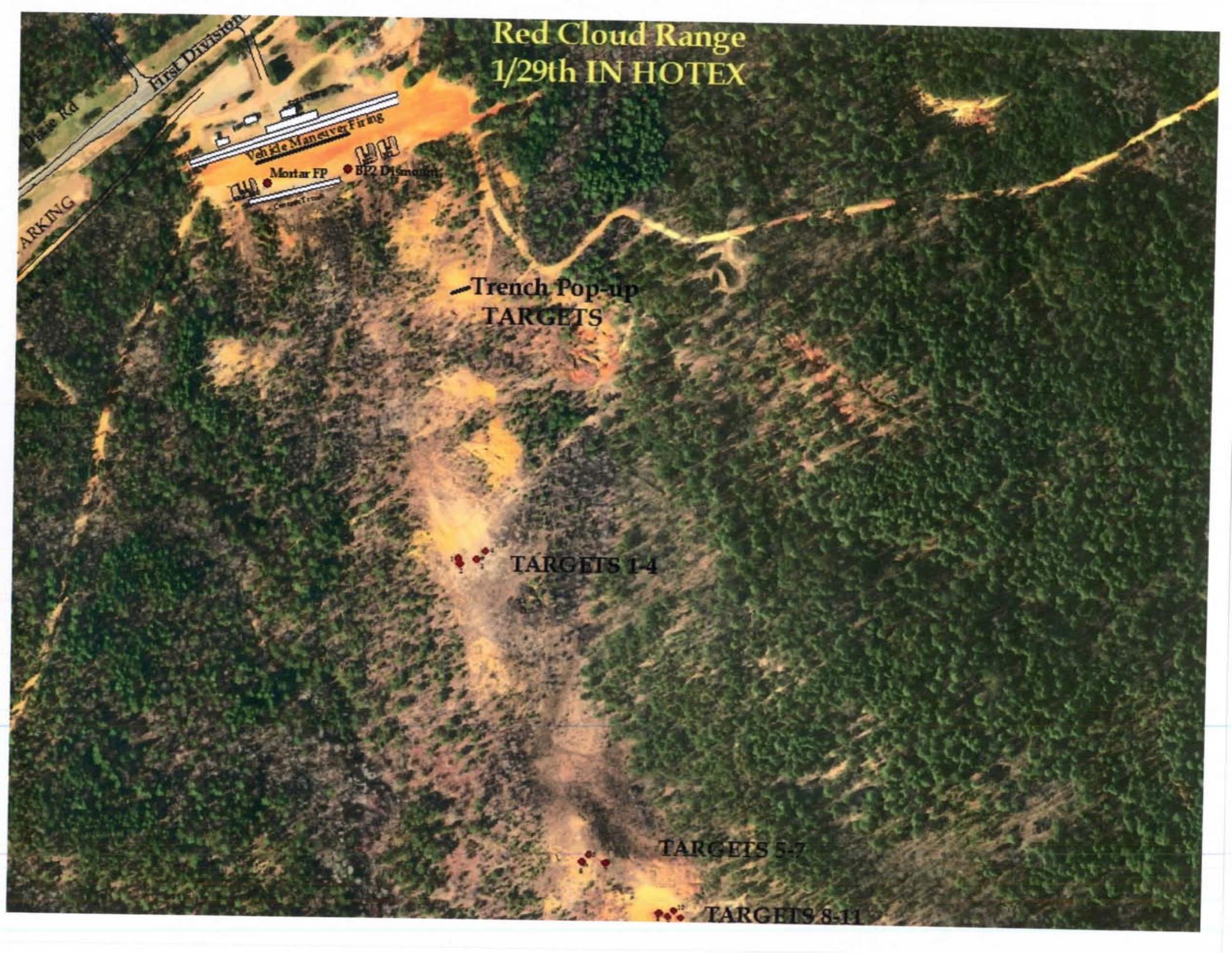
Base Rd  
PARKING  
First Division  
Vehicle Maneuver Firing  
Mortar FP  
B22 Dismount  
Cement Road

Trench Pop-up  
TARGETS

TARGETS 1-4

TARGETS 5-7

TARGETS 8-11



# Red Cloud Range 1/29th IN HOTEX

First Division Road

Dixie Rd

PARKING

Park Trail

BLACTRES  
Vehicle Maneuver Firing

Mortar FP ● BP2 Dismount

Cement Trench

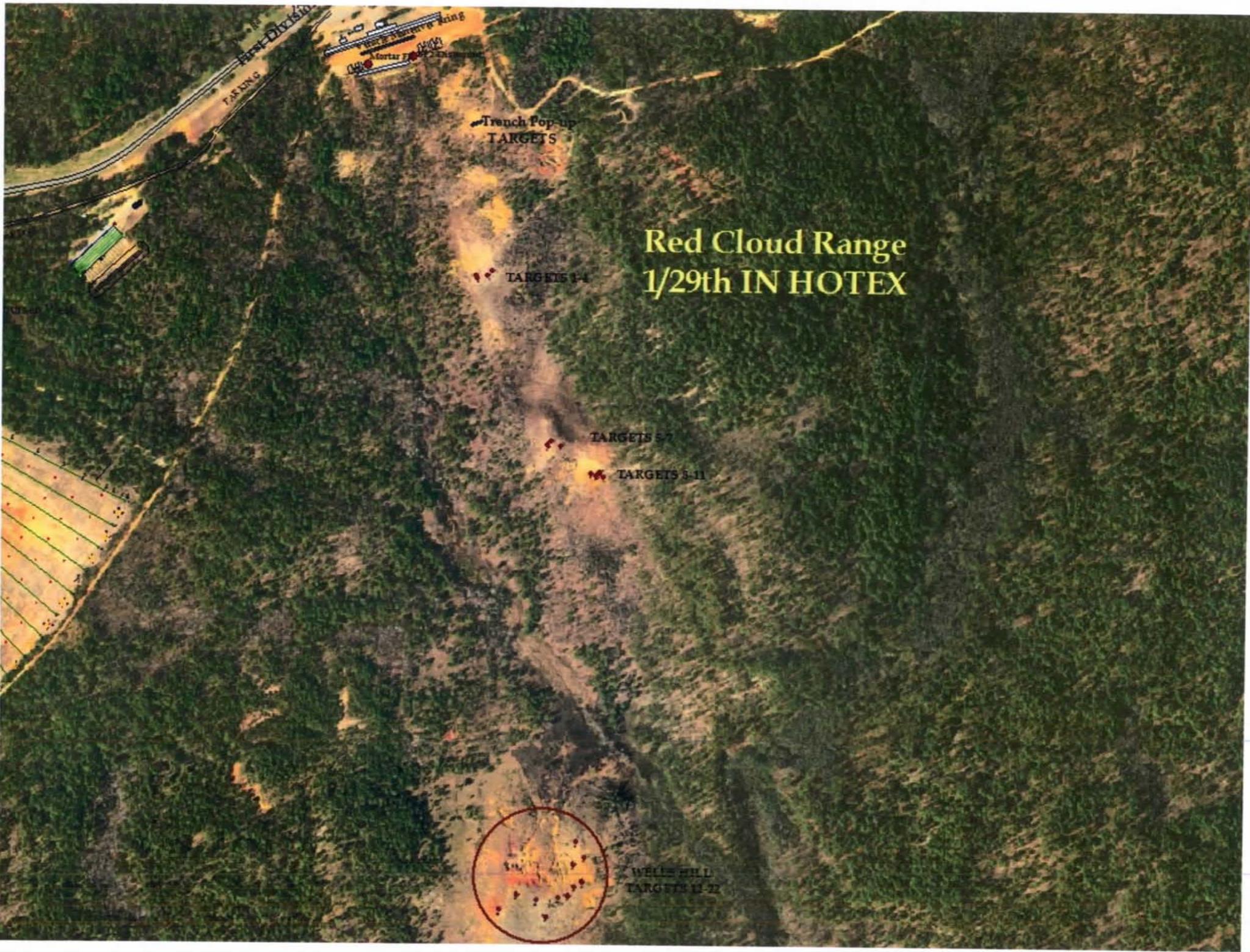
Trench Pop-up  
TARGETS

TARGETS 1-4

TARGETS 5-7

TARGETS 8-11





First Division  
FASING

West of 3rd Street of being  
A Fortar 7

Trench Pop-up  
TARGETS

Red Cloud Range  
1/29th IN HOTEX

TARGETS 1-4

TARGETS 5-7

TARGETS 8-11



WELLS HILL  
TARGETS 12-22



# Red Cloud Range 1/29th IN HOTEX

First Division Road

PARKING

Vehicle Maneuver Firing  
Mortar  
M2 Disruptor

Trench Pop-up  
TARGETS

TARGETS 1-4

TARGETS 5-7

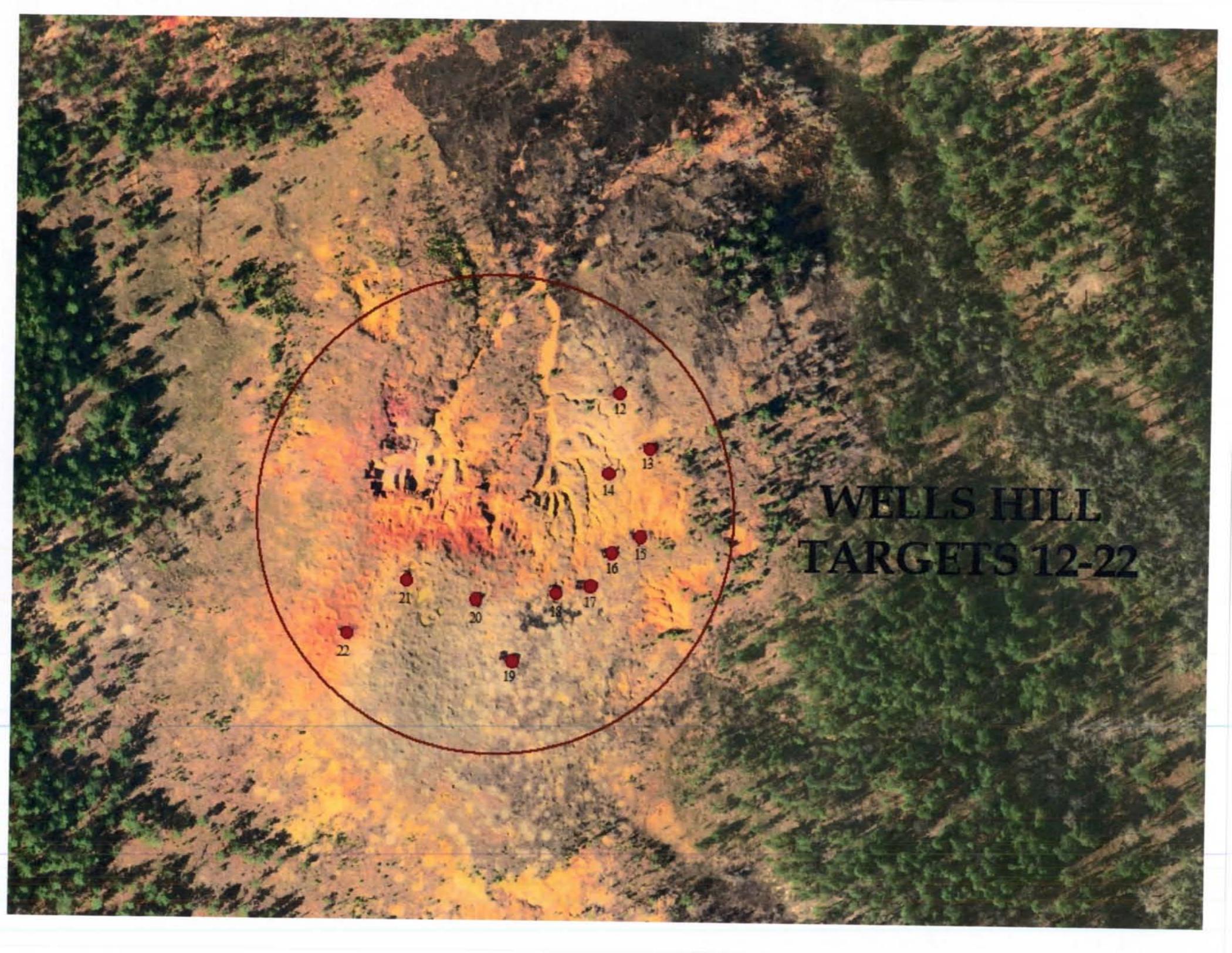
TARGETS 8-11

WELLS HILL  
TARGETS 12-22

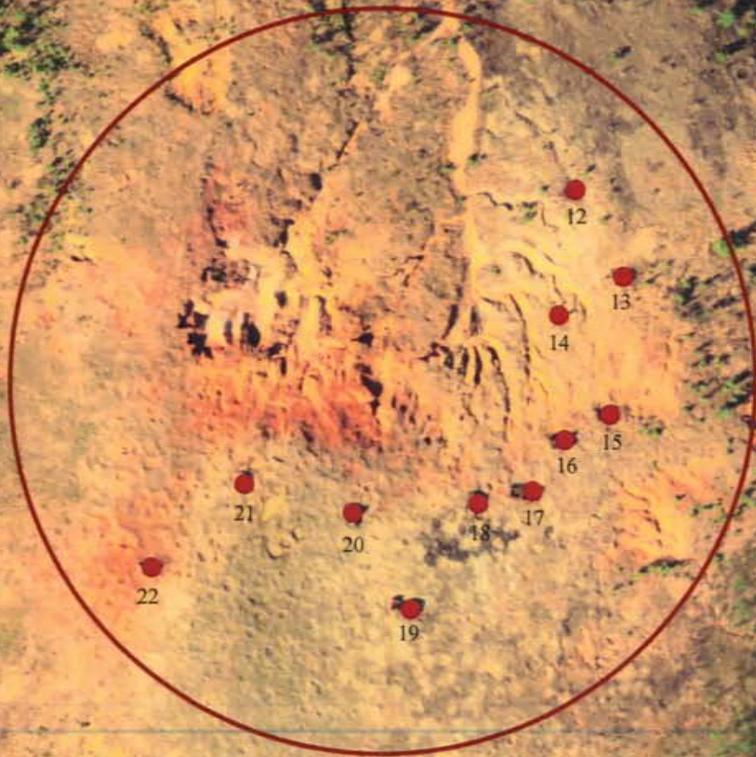
Course 1/2

Course 1/1





**WELLS HILL  
TARGETS 12-22**



**WELLS HILL  
TARGETS 12-22**





**Red Cloud 1/29 IN HOTEX (Log #04-19-11) Roadblock List, 15 March 2011**

BLOCK	GRID	LOCATION	TYPE
A-1	911 792	Across firebreak 200m down Fiske Range at right end of KD berm. Permanently closed.	Cable
A-2	910 783	Off Sightseeing Rd on unnamed trail opposite of entrance to LRC.	Gate
A-4	925 766	Off Sunshine Rd 1,200 m W. of entrance to Grandstaff range.	Gate
A-5	936 762	Across entrance road to Grandstaff Range. 10m N. of Sunshine Rd.	Gate
A-6	939 763	Off Sunshine Rd 100m W. of Oswichee Creek. Permanently closed.	Cable/ Berm
A-8	968 740	Across unnamed trail 30m N. of Sunshine Rd and 800m N.W. of entrance to Griswold Range.	Gate
A-10	018 730	Across entrance road to Flint Range. 50m N. of Sunshine Rd.	Gate
A-11	019 731	Across Lumpkin Trail 30m N. of its intersection with Sunshine Rd.	Gate
A-11A	032 729	Rd guard pos # 2 for Garnsey Rng Obj 'E' (intersection Jamestown/Sunshine Rd's	Rd Grd # 2
A-12	033 742	Across Garnsey Rd 50m W. of its intersection with Jamestown Rd.	Gate
A-12A	029 744	Across Garnsey Rd 400m W. of A-12 Roadblock.	Gate
A-12B	028 741	Across trail 150m SW of A-12A Roadblock. 50m W. of Range Bldg.	Gate
A-12C	036 746	Road guard position # 3 for Garnsey Rng Objective 'E' (Jamestown at Lightning Rd)	Road Guard # 3
A-13	936 762	Across Sunshine Rd 10m E. of the entrance to Grandstaff Range. (Road guard location)	Gate
A-14	974 733	Across Sunshine Rd 10m W. of the entrance to Griswold Range. (Road guard location)	Gate
A-15	021 799	Across entrance road to Buchanan Range.	Gate
A-15A	021 798	Gate Across Good Luck Rd	Gate
A-15B	022 796	Road guard position # 1 for Garnsey Rng Objective 'E' (Jamestown road SW corner of Engineer building)	Road Guard # 1
A-18	993 828	Across Buckeye Rd 225m S. of its intersection with 1st Div Rd. and 50m E. of entrance to Duke Range	Gate
A-19	973 825	Across entrance road to Patton Range 400m S. of its intersection with 1st Div Rd.	Gate
A-20	974 827	Across entrance road to Dianda Range. 300m S. its intersection with 1st Div Rd.	Gate
A-22	015 817	Across unnamed trail 50m N. of Brinson Range and 10m off Jamestown Rd.	Gate
A23	983 756	Across Lumpkin Trail 200m E. of Griswold Range	Gate
A-23A	005 748	On Lumpkin trail 50m NW of Objective 'E' on Garnsey Range.	Gate
A-23B	005 747	Adjacent to A-23A gate on trail near intersection of Lumpkin trail	Install Gate
A-24	015 811	10m inside entrance gate of Brinson Rng south of entrance road.	Gate
A-25	016 789	Across fire break 10m W. of its intersection with Good Luck Rd.	Gate
A-26	013 798	On L/S of Buchanan Range 50 meters W. of chow area across entrance to fire break.	Cable
A-27	018 805	Across unnamed trl 175m N of intersection of Hourglass and Jamestown roads	Gate

BLOCK	GRID	LOCATION	TYPE
A-28	012 774	20 meters off Yankee road on south side of Galloway range.	Gate
A-28A	011 776	30 meters south of Range Tower	Gate
A-30	026 758	Across fire break leading to Garnsey Range. 140m SW of Brann Flat Range.	Gate
A-30A	027 758	Across trail leading to Garnsey Range 50m E. of A-30 Roadblock	Gate
A-31	020 745	Across fire break leading to Brann	Cable
A-32	989 724	Across entrance road to Kunzig Range.	Gate
A-33	974 734	Across entrance to Griswold Range.	Gate
A-33A	979 739	150 meters west of Target Systems bldg on trail leading to move to contact site	Gate
A-33B	982 739	20m N of Target Sys bldg on trail running on west side of bldg.	Install Gate
A-34	947 760	Across entrance to Minter Hill 700m E. of Oswichee Creek.	Gate
A-38	952 816	Across fire break 300m down range of firing line on Red Cloud Range on L. side of range.	Cable
A-39	956 822	Across unnamed trail 100m S. of bldgs on Buckner Range on L. side of range	Cable
A-40	967 823	Across fire break 50m down range on the left side of Pierce Range.	Gate
A-41	972 820	Across fire break located on the right side of the firing line on Patton Range.	Cable
A-42	978 820	Across fire break located on the left side of the firing line on Patton Range.	Cable
A-43	983 823	Across fire break located on the right side	Cable
A-44	986 823	Across fire break 100m E. of the 25m flat	Gate
A-45	990 827	Across fire break located on the right side of the firing line on Duke Range.	Gate
A-45A	991 829	Across Booker Breach site entrance road 200m past Duke Rng entrance gate	Gate
A-46	984 832	Across unnamed trail 100m W. of the intersection of 1st Div Rd and Ivy Rd.	Gate
A-47	990 833	Across unnamed trail 500m W. of the intersection with 1st Div & Buckeye Rd's	Gate
A-48	995 827	Across fire break located on the right side of the firing line on Porter Range.	Cable
A-49	998 827	Across fire break located on the left side of the firing line on Porter Range.	Cable
A-50	000 830	Across unnamed trail 200m W. of entrance to Maertens Range.	Gate
A-51	031 791	Barrier on Furman Rd	Barrier 1
A-52	034 776	Barrier on Yankee Rd	Barrier 2
A-53	035 776	Gate to Cole Range	Barrier 3
A-54	046 749	Barrier off Lightning Rd on unnamed trail	Barrier 5
A-55	057 759	Barrier off Lightning Rd on unnamed trail	Barrier 4

Roadguard #1	On Sunshine Rd at A13 roadblock (9359 7622) blocking traffic going East.
Roadguard #2	On Sunshine Rd at A14 roadblock (9739 7333) blocking traffic going North West.

### COMPOSITE RISK MANAGEMENT WORKSHEET

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

1. MSN/TASK Maneuver Pre Command Course (HOTEX)	2a. DTG BEGIN 200900JAN2012	2b. DTG END 190900JAN2014	3. DATE PREPARED (YYYYMMDD) 20120117
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4. PREPARED BY		
a. LAST NAME HERNANDEZ	b. RANK SSG	c. POSITION S-3 NCO 1-29IN, 197TH INFANTRY BRIGADE

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?
Maneuver Live Fire, M4 rifle, M249SAW, M240B, M24sniper	Range/General Situational Awareness not understood by participants.	M	The Range Officer in Charge (OIC) and Range Safety Officer (RSO) will: Read and Review the Composite Risk Management Worksheet.	L	MCoE Range and Terrain Regulation 350-19	OIC, RSO, Range Cadre, Master Gunner, Individual	
rifle, M107 Barrett .50 caliber, M242, M240C, M2 .50 caliber, 120mm			Ensure both OIC and RSO are RSO qualified. Ensure Instructor Company conducts daily Risk Assessment. Fully brief all participants and conduct multiple rehearsals.		FM 5-19 Range Safety Brief FM 3-23.25 TM 9-1005-317-10		
	Injuries to Soldiers	M	Ensure Combat Lifesaver is present and certified. Ensure a Combat Lifesaver's Bag is present and has been inventoried by the Instructor	L	FM 4-25.11	OIC, RSO, Range Cadre, CLS	
			Company prior to opening the Range. Ensure a dedicated evacuation vehicle is present and free of obstructions.		Closely monitor potential problem Soldiers MEDEVAC Procedures		
			Consult with the Training Company IOT identify potential problem Soldiers (Suicidal or homicidal intent, gestures, or a demonstration of serious emotional problems).		MCoE Range and Terrain Regulation 350-19		
			Review evacuation procedures and reporting procedures for Serious Incidents.				

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 KIRK	b. RANK LTC	c. DUTY POSITION 1st Battalion, 29th Infantry 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?
Maneuver Live Fire, M4 rifle, M249SAW, M240B, M24sniper rifle, M107 Barrett .50 caliber, M242, M240C, M2 .50 caliber, 120mm	Hot Weather Injuries	H	Ascertain what type of training the Unit has done the day prior. Identify previous Heat Injuries and mark Soldier and Equipment IAW USAIC SOP.	M	Policy Memo 350-6-2 USAIC Reg 40-14 TRADOC Reg 350-29	OIC, RSO, Range Cadre, Range Safeties, Individual	
			Monitor previous heat injuries through the use of the buddy system. Update Risk Assessment if Unit road marches the range.		Safety Brief Fluid/Replacement and Work/Rest Guide		
			Monitor Wet Bulb for Heat Category. Enforce Fluid/Replacement and Work/Rest Guide.		TB MED 507		
			Reinforce signs and symptoms of Heat Injuries during safety brief. Ensure Ice Sheets locations are known and readily available.				
	Cold Weather Injuries	M	Identify previous cold weather injuries and mark Soldier and Equipment IAW USAIC SOP. Ensure Soldiers have proper cold weather clothing.	L	Policy Memo 350-6-2 USAIC Reg 40-24 TRADOC Reg 350-29	OIC, RSO, Range Cadre, Range Safeties, Individual	
			Reinforce signs and symptoms of Immersion foot, trench foot, frost bite and hypothermia during safety brief. Monitor Wind Chill.		TB MED 508 Safety Brief FM 31-70		
	Eye/Hearing Loss	M	Ensure Soldiers are wearing hearing protection during firing. Ensure Instructing Unit has extra earplugs available.	L	DA Pam 385-63 Safety Brief	OIC, RSO, Range Cadre, Range Safeties, Individual	
			Ensure Soldiers are wearing eye protection during firing.				
	Animal, Insects & Snake Bites/Stings	M	Identify local wildlife dangers. Brief Soldiers not to handle or harass local wildlife. Ensure Soldiers with medical allergies are properly identified, marked and are sting kits are available.	L	Safety Brief to leaders and Soldiers on Ft Benning Range Control Policies and Procedures	OIC, RSO, Range Cadre, Range Safeties, 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?
Maneuver Live Fire, M4 rifle, M249SAW, M240B, M24sniper rifle, M107 Barrett .50 caliber, M242, M240C, M2 .50 caliber, 120mm	Lightning	M	OIC/ RSO will monitor radio at all times for severe weather/ lightning warnings. Suspend all training during electrical storm. Move Soldiers to designated Lightning Protection area or, if necessary, remove all metallic objects, spread Soldiers 5 to 10 meters apart in an open area, and remain seated or kneeling. RSO will get weather report 2x daily.	L	Safety Brief Unit Policy	OIC, RSO, Range Cadre, Range Safeties, Individual	
	Minor Body Injuries	L	Alert Soldiers to tripping hazards or low hanging branches. No running allowed on the firing line.	L	Safety Brief	OIC, RSO, Range Cadre, Range Safeties, Individual	
	Negligent Discharge	H	Any Soldier involved in a negligent discharge will be immediately taken off the range and retrained by the Training Unit.	M	MCoE Range and Terrain Regulation 350-19	OIC, RSO, Range Cadre, Range Safeties, Master Gunner, Individual	
			Any Soldier who negligently discharges a second time will be removed from training. All negligent discharges will be reported as an SIR.		Safety Brief		
	Clearing Procedures	M	All clearing procedures done IAW Regulations, FM & TM's. RSO will personally clear all vehicles.	L	MCoE Range and Terrain Regulation 350-19 FM 3-23.25 TM 9-1005-317-10	OIC, RSO, Range Cadre, Range Safeties, Master Gunner, Individual	
	Ammunition	M	Ammo NCO will be present at all times. No smoking permitted within 50 ft of ammo. Ensure Fire extinguishers are present.	L	MCoE Range and Terrain Regulation 350-19	OIC, RSO, Range Cadre, Range Safeties, Individual	
	Fire Hazards	M	Fires will not be permitted within 50 feet of wooden building, bleachers or in any location where loss of control might lead to a facility, forest, or brush fire.	L	MCoE Range and Terrain Regulation 350-19	OIC, RSO, Range Cadre, Range Safeties, Individual	
			Fires will be started only in designated areas.				
	Lost Soldier	M	All Soldiers will be accounted for before training and after all training is completed. If Soldier is missing the Training Unit's Basic Search Plan will be initiated.	L	MCoE Range and Terrain Regulation 350-19	OIC, RSO, Range Cadre, Range Division	

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?
Maneuver Live Fire, M4 rifle, M249SAW, M240B, M24sniper	Lost Soldier (con't)	M	The Range Division Operations Firing Desk (Range Control) will provide coordination and control communication. Range Division will be notified immediately	L	MCoE Range and Terrain Regulation 350-19	OIC, RSO, Range Cadre	
rifle, M107 Barrett .50 caliber, M242, M240C, M2 .50 caliber, 120mm			upon the discovery that a Soldier is absent from any training event on Fort Benning. In the case of a Soldier being absent from a live-fire range, Range Division will place all		Unit Lost Soldier Policy		
			ranges affecting the search area on a check fire status. Ensure L-Hour procedures are followed.				
	Road Conditions	M	5 M.P.H. will be enforced on Range, Except during the demonstration.	L	Safety Brief Road Signs	OIC, RSO, Range Cadre, Range Safeties	
	Fratricide	H	Instructing Unit will provide one SAFETY for every firing point. All Soldiers will conduct muzzle awareness at all times; weapons will be in the low-ready,	M	MCoE Range and Terrain Regulation 350-19 Safety Brief	OIC, RSO, Safeties, Range Cadre, Individual	
			on safe, and finger off of the trigger well when Soldier is not firing. Safeties will ensure Soldiers weapons are cleared, on safe and bolt locked back to the rear				
			before conducting movement to the designated clearing barrel. All Soldiers will enter and exit firing line from one predesignated point.				
	Untrained civilians shooting small arms	H	One safety NCO per shooter. Civilians briefed on range fans and general range safety prior to going down range.	M	DA PAM 385-63 AR 385-63 AR 350-19	OIC, RSO, Safeties, Range Cadre, Individual	

# Risk Assessment Matrix

		HAZARD PROBABILITY					
		FREQUENT	LIKELY	OCCASIONAL	SELDOM	UNLIKELY	
		A	B	C	D	E	
S E V E R I T Y	CATASTROPHIC	I	EH	EH	H	H	M
	CRITICAL	II	EH	H	H	M	L
	MODERATE	III	H	M	M	L	L
	NEGLIGIBLE	IV	M	L	L	L	

**RISK LEVELS**

**Extremely High** - Loss of ability to accomplish the mission.

**High** - Significantly degrades mission capability.

**Medium** - Degrades mission capability.

**Low** - Little or no impact to mission capability.

**Examples**

I/A = Extremely High

II/B = High

III/C = Medium

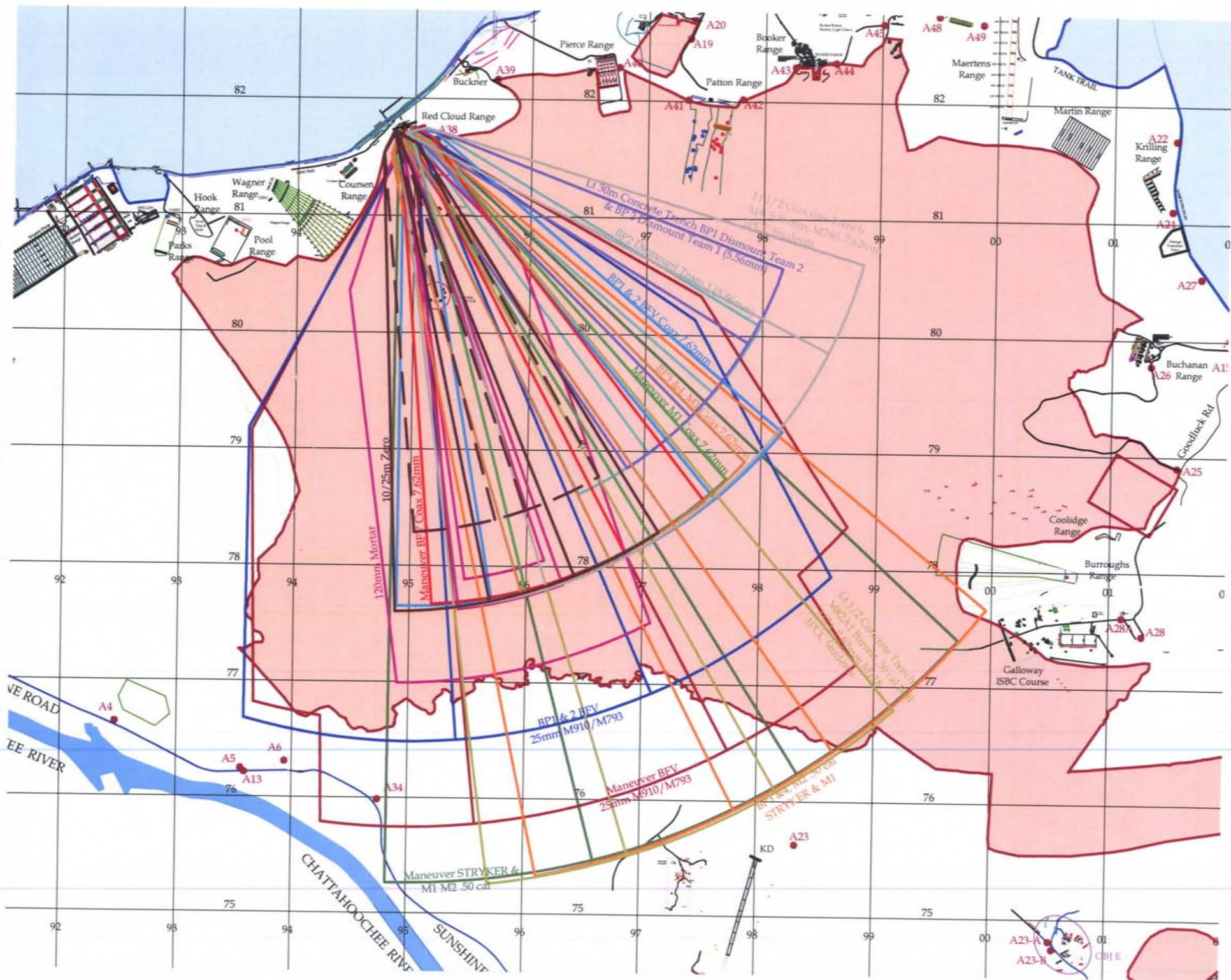
IV/D = Low

EFFECT

1. CATASTROPHIC - Death or permanent total disability, system loss, major property damage.
2. CRITICAL - Permanent partial disability, temporary total disability, major system damage, major property damage.
3. MODERATE - Minor injury, lost workdays, compensable injury/illness, minor system damage, minor property damage.
4. NEGLIGIBLE - First aid or minor supportive medical treatment, minor system impairment.

PROBABILITY

- A. FREQUENT - Occurs often - resources are continuously exposed.
- B. LIKELY - Occurs frequently - resources are exposed frequently and/or several times.
- C. OCCASIONAL - Occurs sometimes - resources are exposed sporadically.
- D. SELDOM - Remote occurrence - resources are possibly exposed.
- E. UNLIKELY - Rare occurrence of exposure



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VE ROAD  
CHATAHOOCHEE RIVER  
SUNSHINE RIVER

Red Cloud Range  
A38

Pierce Range  
A39

Booker Range  
A43

Patton Range  
A41

Maertens Range  
A48

Martin Range  
A22

Krilling Range  
A24

Buchanan Range  
A26

Burroughs Range  
A28

Galloway ISBC Course

120mm Mortar  
10/25m Zero

Maneuver BEV Coax 7.62mm

LI 30m Concrete Trench BP1 & BP2  
Dismount Team 1 (5.56mm)  
Dismount Team 2

BP1 & 2 BEV Coax 7.62mm

Maneuver M1 Coax 7.62mm

BP1 & 2 BEV  
25mm M910/M793

Maneuver BEV  
25mm M910/M793

Maneuver STRYKER &  
MI M2 50 cal

BP1 & 2 BEV M2 50 cal  
STRYKER & MI

KD

A23

A23-A  
A23-B  
CBJ E