

**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:** 20 September 2013 Log #9-8-13  
**Range:** Galloway Range  
**Title:** Platoon LFC with Trench Clearing  
**Problem No:**

**THRU:** CDR, 3ABCT, 3ID  
FORT BENNING, GA 31905

**FROM:** S3, 2-69 AR, 3ABCT, 3ID  
FORT BENNING, GA 31905

**SECTION I, TYPE OF TRAINING**

a. Live Fire       b. Non-live Fire      CP/Controller Coordinates: GA 0112 7766

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

Coordinates	Type	Model/DODAC	Size of Charges
See Weapons & Ammo List	Signal, Illumination, Parachute Green/ White	L314/ L305, L307/ L312	N/A
See Weapons & Ammo List	Fuse Hand Grenade; Practice Grenade Hand Smoke; Simulator	G878, G930, G940, G945, G950, G955, K866	N/A
See Weapons & Ammo List	Simulator Flash Artillery and Simulator Hand Grenade	L594, L596, L601, L602, G918, G872	N/A

**SECTION III, WEAPONS/AMMUNITION REQUESTED**

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

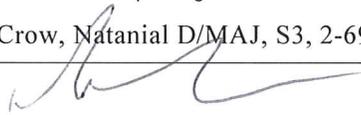
**SECTION IV, LIVE FIRE EXERCISES Attach the following:**

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

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

Name/rank of requesting officer:  
Crow, Nataniel D/MAJ, S3, 2-69 AR, 3ABCT, 3ID

Name/rank of Major Unit S3/Commander:  
Riveraespada, Alexis/MAJ, BDE S3, 3ABCT, 3ID




**SECTION VI, FOR RANGE DIVISION USE**

**DATE:** 28 Oct 13

**TO:** CDR, 3ABCT, 3ID  
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:** 27 Oct 15

A: 8, 18, 23A, 25, 26, 28, 30, 33A, 34.

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



Galloway Range, 3ABCT, 3ID Platoon LFX W/ Trench Clearing (Log #9-8-13) Weapons and Ammunition List Enclosure					
Firing Positions	Weapons	Ammunition	Left Limit of Fire Degrees, Grid Azimuth	Right Limit of Fire Degrees, Grid Azimuth	
Step 1 - SBF GA 0088 7751 to GA 0088 7755	M4, M249, M240B AN/ PEQ-15 Non-tactical Mode	5.56mm Blank/Ball/Tracer, 7.62 Blank/Ball/Tracer Class IIA/ Lasers	250	280	
Step 2 - SBF Shift Fire GA 0088 7751 to GA 0088 7755	M4, M249, M240B AN/ PEQ-15 Non-tactical Mode	5.56mm Blank/Ball/Tracer, 7.62 Blank/Ball/Tracer Class IIA/ Lasers	270	280	
Step 3 - Intermediary Support By Fire GA 0052 7736 (MSD-3)	M4, M249, M203 AN/ PEQ-15 Non-tactical Mode	5.56mm Blank/Ball/Tracer, 40mm TP Class IIA/ Lasers	250	270	
Trench Assault GA 0049 7740 - GA 0050 7742 to GA 0045 7744 - GA 0046 7746	M4, M249, M203 AN/ PEQ-15 Non-tactical Mode	5.56mm Blank/Ball/Tracer, 40mm TP Class IIA/ Lasers	300	330	
Step 4 - Final Support By Fire GA 0047 7741 to 0044 7743 (SIT-7 to SAT-1) 0052 7736 (MSD-3)	M4, M249, M203 AN/ PEQ-15 Non-tactical Mode	5.56mm Blank/Ball/Tracer, 40mm TP Class IIA/ Lasers	(Position SIT 7 to SAT 1) 235 (PositionMSD 3) 250	(Position SIT 7 to SAT 1) 272 (PositionMSD 3) 270	
Zero Left Side to Right Side: GA 0090 7739 to GA 0090 7748	M4, M249, M240 AN/ PEQ-15 Non-tactical Mode	5.56mm Ball/Tracer, 7.62 Ball/Tracer Class IIA/ Lasers	(10m) 265 (25m) 268	(10m) 275 (25m) 272	



DEPARTMENT OF THE ARMY  
HEADQUARTERS, 3<sup>RD</sup> ARMORED BRIGADE COMBAT TEAM  
3<sup>RD</sup> INFANTRY DIVISION  
9195 KELLEY HILL  
FORT BENNING, GEORGIA 31905

AFZP-VIC-S3

20 September 2013

MEMORANDUM FOR Chief, Range Operations, DPTMS, Fort Benning, Georgia 31905

SUBJECT: Platoon Raid (LFX) to be conducted on Galloway Range.

1. **PURPOSE:** To provide the concept of training for 3<sup>rd</sup> Brigade Soldiers on Galloway range for marksmanship related to the standard 10 and 25 meter zero procedures for the M16/M4 using the M68 Close Combat Optic Sight (CCOS), SRM and the PEQ-2A Laser Aiming conduct of Platoon Raid (LFX).

2. **TRAINING OBJECTIVES:**

- a. Achieve an accurate zero for the M68 CCO (and back up iron sight if rounds allocation permits) on the M4 Carbine.
- b. Platoon Raid LFX to gain a basic proficiency with Battle Drills and to gain confidence in operating platoon weapons systems in a live fire maneuver environment.

**NOTE:** Only one event can be conducted at a time, i.e. units can train on the ZERO site but NOT Platoon LFX sites simultaneous.

3. **ENDSTATE:** 3<sup>rd</sup> Brigade has the ability to maneuver live fire (Platoon LFX) on Galloway Range allowing for minimal transition time from one task to another while maintaining proper safety precautions and risk reduction measures to accomplish realistic training.

4. **SCENARIO(S) TO BE CONDUCTED:**

- a. In the event that a Soldier needs to zero his weapon we will ensure that the Zero event is the only scenario that will be run during that time. No training down range can occur while Zero is taking place. The Soldier will draw his ammo from the ammo point located at the base of the tower, load his magazine and store the magazine in his FLC. He will then move to the firing line. The firing line left limit is GA 0090 7739, the right limit of the firing line will be GA 0090 7748 (300m KD/Marksmanship firing line). Zero targets will be placed at the 10m and 25m West of firing line. Soldiers that are not zeroing their weapon will not move west of the road behind the firing line. When targets are in place and down range is clear, Soldiers will move to their firing point, and will be instructed when to lock and load their weapons. Soldiers will identify their target and

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SUBJECT: Concept for Galloway Range

engage their zero target when told to do so by range safety. Once all Soldiers complete their firing, they will be told to lock and clear their weapon. The unit safeties will ensure that all weapons are cleared before anyone moves down range to check their target. Once all weapons are confirmed clear, Soldiers will leave their weapons at their firing position and move down range to check their targets. Once all targets are checked and annotated for weapon adjustment then, all Soldiers will move back on-line to their firing positions and make appropriate adjustments to their weapons. Soldiers will then reload their weapons and engage zero targets in the same manner as described above. When all Soldiers are zeroed and weapons are cleared by a safety, all Soldiers will move back to the ammo point and turn in all non-expended ammunitions. Targets will be removed from the firing line and returned to the base of the tower. When down range is confirmed clear of all personnel by the OIC and NCOIC Soldiers will then move into the PLT LFX.

5. PLT Raid (LFX).

a. The purpose of the exercise is to gain a basic proficiency with PLT Battle Drill and to gain confidence in operating platoon weapon systems in a live fire maneuver environment.

b. Training Tasks: The tasks to be trained include the following:

1. Individual Tasks

- 1) Engage targets with an M-4
- 2) Move as a member of a fire team
- 3) Engage targets with an M203 Grenade Launcher
- 4) Move under Direct Fire
- 5) Use Visual Signaling Techniques While Dismounted
- 6) Perform as a Member of a Patrol
- 7) Engage targets with an M249 Squad Automatic Weapon
- 8) Engage targets with a M240B Machine Gun

2. Leader tasks to be trained:

- 1) Conduct Troop Leading Procedures for an Operation
- 2) Analyze Terrain
- 3) Conduct Movement Techniques by Squad
- 4) Consolidate/Reorganize following Enemy Contact While in the Offense
- 5) Develop and Communicate a Plan
- 6) Issue an Oral Operations Order

3. Collective tasks to be trained:

- 1) Prepare For Combat

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SUBJECT: Concept for Galloway Range

- 2) Move Tactically
- 3) Execute Assault
- 4) Perform Consolidation and Reorganization
- 5) Occupy an Assembly Area
- 6) Perform over watch/Support by Fire
- 7) Knock out a Bunker
- 8) Enter/Clear a Trench Line
- 9) Take Action on Contact

6. Weapons/Ammunition Types: M4 5.56mm blank/ ball/tracer, M249 SAW 5.56mm blank/ball/tracer link (4:1), M203 40mm TP and M240 7.62mm blank/ball/tracer.

7. Pyrotechnics: Star clusters L305, L307, L312, L314, Hand Smoke G878, G930, G939, G950, G945, G955, G940, K866, Simulator L594, L596, L601, L602, G918, G872.

8. Execution: (See Range Sketch, Enclosure 1)

a. Phase One- Reconnaissance:

Soldiers will draw their ammo from the ammo point, load magazines and store them on their FLC. Belt fed ammo will be broken down, out of packing material and stored in proper pouches. All belts fed ammo will remain in this manner until Soldiers are told to lock and load in the ORP. Phase one begins with the entire platoon in a security halt in the small open area located just south of the southern gravel range access road located at (GA 0118 7741) (See Sketches). Soldiers will be in full protective equipment (eye pro, ear pro, IBA, ACH, gloves, knee/ elbow pads) and be given the command to "lock and load their weapons". Closed bolt WPNs will be have a round chambered, WPN on safe. Open bolt WPNs will not have a round chambered, the bolt will be in the forward position, a belt of ammunition will be placed on top of the feed try, and the feed try cover will be closed with weapon placed on safe. At this time the platoon leader will depart on a leader's recon. The leader's recon element will move north-west of the security halt, over the southern gravel road for approximately 150m, remaining west of the eastern dirt mound. Just south of the northern gravel range road, the leader's recon element will turn west for approximately 150m and establish a support by fire position within the firing box (SIT 1 to PC-A). On command, M4, M249, and M240B weapons can be fired from this firing box at targets located on both OBJ IRON and GOLD. These WPNs can be fired from both the bipod and tripod position. The support by fire firing box has a right limit of fire of the northern SIT-7 TGT. The Left limit of fire is Bunker 2 on OBJ GOLD. A safety will be located with each crew served WPN to ensure proper target identification, engagement, shift/cease fire commands are heard/ acknowledged, and followed. After "cease fire" is called, range safety will directly inspect each WPN system to ensure they are all locked and cleared prior to troops assaulting across (north) OBJ IRON. Primary communication between the maneuver element and SBF element is: ASIP radio,

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SUBJECT: Concept for Galloway Range

alternate: Star cluster, contingency: smoke, VS-17 Panel, emergency: Assault element halts in place and sends a runner to the SBF moving with a safety back to the ORP and from the ORP approaches the SBF position from the rear ensuring they do not move into the SDZ of the SBF element. Primary communication between safeties will be: face-to-face, alternate: MACOM radio, contingency: ASIP Radio and emergency: red star cluster signaling immediate cease fire and halt for all elements. Throughout Phase One, both TGT Sets One and Two will be exposed. (See TGT Set Matrix for official Range Control TGT Numbers). This ends Phase One.

b. Phase Two-Assault:

After the SBF element(s) is/are emplaced, the platoon leader moves back along his infiltration route to the south east and links up at security halt. The platoon will then moved west, then south west hand railing the southern gravel range road for approximately 150m. Safety will ensure the movement does not push more that 50 m into the woods to the south of the southern gravel range road in order to avoid possible UXO in this area. Once the patrol nears the first paved turn pads VIC (GA 0104 7724) it will halt temporarily. At this time the SBF element will initiate firing at OBJ IRON and GOLD with a left limit of 250° and a right limit of 280°, TGT Sets One (SIT-5, SIT-6, SIT-7, MIT-4, SAT-1, SIT 14-15 and hoffmans). Pyrotechnics (artillery simulators/hand grenade simulators) may be thrown by safety using gloves at a specific location near to, but no closer that 35m from the SBF element IOT simulated indirect fire. Indirect fire will also be simulated on the OBJ using Hoffman devices. At this time the platoon will cross the southern gravel range road between the two paved turn pads and move generally west (approximately 285 degrees) towards OBJ IRON. The patrol will remain north of the southern paved range road but not extend more than 100m north of the paved road at all times. At a minimum, range safety will move with the platoon leader and the lead fire teams IOT properly confirm/ maintain positive control of the direction, speed, halting, communications, and other actions of the maneuver element. The SBF elements will shift fire north of OBJ IRON NLT the front-line trace of troops crossing PL RED. TGT Set One will be lowered at this time. On command TGT Set two consisting of RF 17 and 19 will be raised. SBF will shift fire to RF 17 and 19 with a left limit of 270° and a right limit of 280°. Assault will continue to move on same direction of attack towards OBJ Iron. When the assault reaches phase line BLACK vicinity GA 0062 7726 SBF will confirm cease fire and Assault will continue to phase line Blue. Range safety must ensure that phase line black is marked with engineer tape or VS-17 panel if no visible natural feature is identified west of phase line Black.

The intermediate SBF is located on MSD-3, located at GA 0052 7736. The left limit for the intermediate SBF is 250° which is the southern limit of MIT-3 and the right limit is 270° which is a bunker next to (SIT-13). Once the intermediate SBF is occupied, to include the establishment of sectors of fire, Platoon Leader will call for TGT Set Three to be raised; TGT set 3 consists of SIT 11 -13, SAT-3, MIT-3 and MSD 7. A range safety member will be placed at the southern edge of MSD-3 to ensure no personnel

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move in front of (to the west of) the intermediate SBF's position. At this time the rest of the maneuver element will continue the assault north and to the rear (to the East) of the intermediate SBF Position. They will bound using proper individual movement techniques and ensure when they move behind the intermediate SBF position on MSD-3 their weapons are pointed north towards the trench. The assault element will move towards the breach point of the trench VIC GA 0049 7741. Platoon Leader will call for TGT Set Three to be lowered prior to the lead assault element reaching the breach point. The trench will be breached and entered using simulated hand grenades. If pyrotechnics are used, they will be thrown by range safety using gloves at a specific spot at least 35m from any personnel to the east of the trench. Once the unit is in the trench, they will clear it from south to north. The only targets in this phase are the targets inside the trench (see attached graphics for TGT location). All fires will be oriented north or west only. Range safety will remain behind the front-line trace of troops in the trench and on the east side of the trench until it is clear. Once the trench is cleared, Soldiers will exit the trench in a controlled way through either the western exit door or by climbing. Range safety will take extra care to supervise WPNs orientation, trigger control, and safety by all personnel while entering and exiting the trench. All M249 SAW's will be handed down to a person in the trench. This ends Phase Two.

Phase Three- Counterattack:

This phase begins with Soldiers establishing a final SBF line on SIT-7 to SAT-1 and MSD-3. Once the Soldiers occupy the final SBF target set 4 consisting of MIT-4, SIT-14, SIT-15, RF 30-32 and SAT 5 will be raised. The left limit for SIT-7, the final SBF position is MIT-4 at 235° and the right limit is the three remote controlled TGTs, RF30-32, at 272° degrees. The intermediate SBF will engage target set 3, and will have the same left and right limits they did when they first occupied MSD-3. The final SBF position can be composed of M4s, M249s. A range safety will be positioned at each final SBF mound to ensure proper safety. On order TGT Set Three and Four will be lowered. All open WPNs will be locked/ cleared by Soldiers, and inspected by range safety as well as M-4 and M203. Range safety will ensure WPNs are cleared to standard. Once this is complete, the platoon will move approximately 100m to the north of OBJ IRON to the T-shaped intersection of the northern gravel range road. Once complete, all personal will move east along the northern gravel range road to the ASP to download any excess ammunition and conduct brass and ammo checks and AAR.

Official Range Control TGT Set Name Key:

TGT Set One: SIT-5, SIT-6, SIT-7, MIT-4, SIT 14 and 15 (SBF)

TGT Set Two: RF 17 and 19 (SBF Shift)

TGT Set Three: SIT 11-13, SAT-3, MIT-3 and MSD-7 (Intermediate SBF)

TGT Set Four: MIT-4, SIT-14, SIT-15, RF 30-32 (Final SBF)

TGTs inside the trench will be located VIC the following four grids: GA 0049 7742, GA 0047 7742, GA 0046 7742, GA 0045 7744.

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SUBJECT: Concept for Galloway Range

## 8. Safety Considerations

- a. LASER'S: Class III A lasers are not eye safe on dual low mode within 25 meters. PEM-1A is not a tactical laser and must be used within 25 meters. Laser Warning Signs will be in place prior to opening the range. **Range safety briefing will include hazards using Lasers and NVD's.**
- b. Communications: Unit will maintain continuous contact with Range Control at all times. If communications are lost the unit will go into a self induced check fire until communications are restored.
- c. Ammo Point: The blank and live ammunition will be physically separated within the ammo point and signed by the ammo NCO. All weapons and ammunitions will be checked by range safety prior entering and exiting the range.
- d. The "Crawl-Walk-Run" method of training will be the standard for all LFX. A detailed leader's TEWT will outline all range fans, restrictions, and safety considerations. Squad rehearsals and day/night dry-blank fire exercises will be conducted prior to platoons getting the clearance to participate in any live fire exercise (LFX). The dry-fire, blank-fire exercise (BFX) and the live fire exercise (LFX) will have dedicated observer/controller teams.
- e. Signals
  1. Primary: means of signaling shift/cease fire will be FM communication. Alternate signal will be colored smoke/star cluster/VS-17
  2. Company Leadership will be with each Squad to confirm receipt of signals by tactical radios.
  3. Emergency cease fire signal will be RED SMOKE/ Air-horn held by the SBF and Assault element's evaluators.
- f. During firing anyone on the range observing an unsafe act can call a ceasefire by using the hand and arm signal and/or vocal command of ceasefire.
- g. Incident: When an incident occurs on the range, regardless of injury or not, the OIC/RSO will immediately call a cease fire and report it to Range Control and the using unit's higher headquarters. OIC/RSO will take action as directed by Range Control. The cease fire will remain in effect until the problem is resolved and cleared through Range Control. If the incident results in an injury, the OIC/RSO will use the procedures outlined in the medical paragraph. The following information will be furnished by the OIC/RSO to Range Control:
  - a. Designation of unit.
  - b. Range and location
  - c. Type of weapon involved.
  - d. Type of ammunition involved.
  - e. Brief summary of what happened.
  - f. Personnel injuries and extent.
  - g. Full Name, SS#, Rank and unit of injured personnel,
  - h. Extent of property damage.
  - i. Intentions regarding an AR 15-6 investigation.

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SUBJECT: Concept for Galloway Range

- h. Medical: In the event of an accident, injury or illness, the OIC/RSO will immediately call a cease fire then call 911 using the standard 9 Line MEDEVAC to determine what type of evacuation is the most appropriate for the injury (loss of life, limb or eyesight). MEDEVAC will be IAW MCoE Regulation 350-19 and MCoE 40-2. Landing zone for MEDEVAC aircraft will be established prior to use and will be marked appropriately. Range Control will be notified in this event. The cease fire will remain in effect until cleared through Range Control.
- i. Ammunition: There will be no de-linking or re-linking of any ammunition. Any Ammunition that has been de-or re-linked is considered nonstandard and is prohibited from the range.
- j. Weapons/Ammunition Malfunction Reports: When a malfunction is experienced, the OIC/RSO will suspend all firing and immediately notify Range Control. The weapons and all components and ammunition involved will remain in place. The cease fire will remain in effect until cleared through Range Control. An investigation is required and will be conducted by the ammunition and weapons inspection personnel and DOL.

9. The point of contact for this memorandum is CPT Berry, William and can be reached at (706)545-4006 or [William.t.berry.mil@mail.mil](mailto:William.t.berry.mil@mail.mil)

  
RIVERAESPADA, ALEXIS  
MAJ, AR  
Brigade Operations Officer

Encl

- 1- Range Sketch
- 2- FB 144
- 3- Risk Assess



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

15 October 2013

MEMORANDUM FOR Commander 3/3<sup>rd</sup> HBCT, Attn: SSG Nichols Wellington, Fort Benning, GA 31905

SUBJECT: 3/3<sup>rd</sup> HBCT Platoon Live Fire on Galloway range CONOP and RMW Safety Review

1. References.

- a. 3/3<sup>rd</sup> HBCT Platoon Live Fire on Galloway range, 20 September 2013.
- b. Army Regulation 385-10, The Army Safety Program, 24 August 2007
- c. Army Regulation 385-63, Range Safety, 19 May 2003
- d. Department of the Army Pamphlet 40-501, Hearing Conservation Program, 10 December 1998
- e. Department of the Army Pamphlet 385-10, Army Safety Program, RAR 19 January 2010
- f. Department of the Army Pamphlet 385-30, Mishap Risk Management, RAR 01 February 2010
- g. Department of the Army Pamphlet 385-63, Range Safety, RAR 12 May 2009
- h. Field Manual 5-19, Composite Risk Management, August 2006
- i. MCoE Regulation 350-19, Range and Terrain Regulation, 23 July 2010
- j. MCoE Policy Memorandum 385-6-14, Composite Risk Management, 22 October 2012

2. Document received on 07 October 2013.

3. Concur w/comment.

- a. Be familiar with Ammunition Information Notice (AIN) 0001-14A, Use of Simulator, Hand Grenade, M116A1 (DODAC 1370-L601) and the changes found within.

ATZB-SO

SUBJECT: 3/3<sup>rd</sup> HBCT Platoon Live Fire on Galloway range CONOP and RMW Safety Review

b. CONOP, paragraph 8, pg 6. The Battalion Commander must walk the terrain and certify the training of the platoon as outlined in MCoE Regulation 350-19.

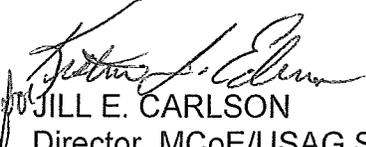
c. 15-degree separation between the SBF suppression and the maneuver element must be maintained at all times through the process. Any impingement of that 15 degree separation must be guarded and prohibited.

d. RMW, Blocks 7 & 9, pg 1. "Hot Weather Injuries", recommend that your initial and residual risk levels more accurately reflect the probability of the incident occurring. The Initial Risk should be "HIGH" and the Residual Risk "MODERATE".

e. RMW, Block 11, pg 1. "Hot Weather Injury", recommend that add "Individual" to the block.

f. RMW, Block 7 & 9, pg. 2. "Soldier shot on the range" recommend that you elevate the Initial/Residual risk from HIGH/MODERATE to EXTREMELY HIGH/HIGH. Introduction of high velocity (3200 FPS) 62-grain composite projectiles in to the body has the potential of being catastrophic in all cases.

4. 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](mailto:michael.w.risher.civ@mail.mil)

  
JILL E. CARLSON  
Director, MCoE/USAG Safety



# RECORD OF ENVIRONMENTAL CONSIDERATION (REC)



Date Submitted: 9/5/2013

EMD Number: 1324905

Project#: 071T6713

Project Title: Platoon Live Fire Exercise

Description of proposed action:

This training event provides lieutenants with safe and realistic live fire training using squad and platoon attack drills. This exercise will be conducted once per class cycle, up to 11 classes per year.

Project Location:

DMPRC, Galloway Range

Amount, Description, Location of Disturbance/Digging:

None

Number of Personnel:

160-200

Type of Ammunition:

5.56, 7.62, Pyro Live and Blank

Number/Types of Trees:

None

Size of Project Area:

Duration of Action: Start: 10/1/2013 Stop: 9/30/2014

Proponent: rhonda.doleman

706-545-5916

Organization/Unit: IBOLC

Number/Types of Vehicles:

Number of vehicles: 6-8

Types of vehicles: GSA, M149A1, HMWWW, LMTV

Yes-Vehicles will be going off road.

What type of vehicles will be going off road: Same as above

\*\*\*\*\*  
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, 2014

Cultural Resources - Archeological

Conditions:

Edward Howard (706 545 1898), 9/13/2013

See attached PDF maps for reference. The project area contains federally protected sensitive sites. 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.

Natural Resources - RCW

None

Michael Barron (706 544 7080), 9/6/2013





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?
SQD LFX	Soldier Shot on Range (continued)		14) A medic with aid bag will accompany each platoon during execution of live fire training. OIC will ensure medic vehicle is positioned at ORP. The driver will have rehearsed routes. 15) All weapons will be visually inspected prior to coming off range. 16) Soldiers will wear ACHs and IBA for both BFX and LFX.		12) Medic, ambulance, and driver will be present and will have rehearsed prior to LFX. 13) Lane walkers will inspect Soldiers before and after each iteration.		
	Mixing live and blank ammunition	H	1) Range OIC will establish separate Class V issue points for blank and live ammunition. 2) Ammunition NCOIC will maintain exact count of live ammunition that is issued to each platoon and how much ammunition the platoons return to the Class V point. 3) Platoon leadership will visually inspect all magazines, and magazine pouches after live fire training and before blank fire training to ensure that Soldiers do not have live ammunition.	M	1) Two different issue points will be established over 10 meters apart. 2) Ammunition NCOIC will maintain a chart of ammunition break down. 3) All Soldiers will be inspected after every iteration of blank and live fire.	1) RSO 2) Ammunition NCOIC 3) Range OIC 4) Platoon leadership	
	Weapons/Ammunition Malfunctions	H	1) All Soldiers will complete training on load, fire, perform immediate action and clearing all weapon systems. 2) All M249 gunners will certify on load, fire, perform immediate action, and clear weapons immediately preceding execution of blank and live fire exercises.	M	1) All Soldiers will complete training on SPORTS and on load, fire, perform immediate action and clearing.	1) Platoon leadership 2) Range RSO 3) Range OIC	
	Live Fire Exercise Control	M	1) All personnel on the range will be briefed on the hazards listed on the Daily Risk Assessment to include proper Immediate Action for a malfunction, stoppage, or misfire. 2) All personnel will also be briefed on Remedial Action to be taken in the event Immediate Action does not correct the malfunction, stoppage or misfire.	L	1) Range OIC will fill out Daily Risk Assessment prior to any training and will update as conditions change.	1) Range OIC 2) Range RSO 3) Company Commander	

ITEMS 5 THROUGH 12 CONTINUED:							12. WAS CONTROL EFFECTIVE?
5. SUBTASK	6. HAZARDS	7. INITIAL RISK LEVEL	8. CONTROLS	9. RESIDUAL RISK LEVEL	10. HOW TO IMPLEMENT	11. HOW TO SUPERVISE (WHO)	
SQD LFX	Heat injuries (continued)		7) All personnel will take the appropriate measures to stay dry, including packing/carrying enough dry clothes to change into.				
	Foot Injuries	M	1) Platoon's will advise Soldiers to wear clean, dry socks and properly fitting boots 2) Platoon leadership will conduct periodic foot checks and enforce the changing of socks.	L	1) Uniform Adherence 2) Unit Policy 3) PPE, hydration, and safety inspection 4) Personnel will bring extra socks and boots. 5) Platoon leadership will perform foot checks.	1) OIC/NCOIC 2) Squad Leaders 3) Company Medics 4) Team leaders	
	Falls	M	1) Range safety officer will issue a safety briefing to all soldiers prior to the start of training. Range safety officer will include an orientation of the training area.	L	1) Students will be advised of the hazards of the terrain and given a safety briefing.	1) Range Safety Officer	
	Soldier fatigue and/or lack of alertness	M	1) Platoons will ensure that Soldiers receive three meals per day, either Meals Ready to Eat or Hot A. 2) Platoons will ensure that Soldiers receive at least six hours of undisturbed sleep prior to execution of the live fire exercise.	L	1) Soldiers will receive three meals a day and leadership will ensure those Soldiers eat those meals. 2) Students will be given over six hours each night to sleep prior to the LFX	1) Company commander 2) Platoon leadership 3) Range Safety Officer 4) Squad Leaders	
	Accidental Discharge	H	1) Range safety officer will issue a safety brief prior to start of training. Platoon leadership will strictly enforce weapons safety and class V accountability after LFX. 2) All Soldiers will wear IBA w/ SAPIs during blank and live fires. All weapons will be visually inspected prior to coming off the range.	M	1) Platoon leadership will ensure all Soldiers follow all weapon safety procedures. 2) PCCs and PCIs will be conducted prior to any squad moving to the ORP.	1) Company commander 2) Platoon leadership 3) Range Safety Officer 4) Squad Leaders	
	Soldier shot on range	H	1) CO commander will validate the range operation during company train-up. 2) Platoon leaders and company commander will conduct range reconnaissance prior to training. Company commander will confirm that target array supports range fans and SDZs.	M	1) Company will reinforce training leading up to SLFX. 2) OIC will confirm that target array supports range fans and surface danger zones.	1) Company Commander 2) Range OIC 3) RSO 4) Platoon leadership 5) Lane walkers 6) Target Operator 7) Company Medics	

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?
SQD LFX	Soldier shot on range (continued)		<p>3) All Soldiers will qualify on their weapon system prior to execution. All M249, M240B, and M203 gunners will complete familiarization and live fire training with these weapon systems.</p> <p>4) All Soldiers will execute five safety checks during IMT. Weapon safe, look left/right, close dust cover, locate nearest covered and concealed position, IMT to that position.</p> <p>5) All platoons will complete dry fire, and blank fire, prior to execution of live fire exercise.</p> <p>6) Soldiers will receive six hours of undisturbed sleep, the night before the LFX</p> <p>7) Range OIC will conduct target operator rehearsal prior to execution of Dry Fire. Range OIC will conduct daily target operator rehearsals upon personnel shift changes.</p> <p>8) All leadership positions and key weapon systems will remain the same during dry, blank, and live fire exercises. Squads will execute same scheme of maneuver for dry, blank, live.</p> <p>9) A minimum of two lane walkers will position themselves with each separate element during execution of the BFX and LFX.</p> <p>10) Lane walkers will maintain communication, on non-tactical radios, between support by fire element and assault element.</p> <p>11) Platoons will ensure that each platoon has resources to execute redundant signaling plan.</p> <p>12) All weapons will shift fire when assault element is within 40 degrees of SBF gun target line.</p> <p>13) Lane walkers with assault element confirm shift fire and cease fire, via non-tactical radio, before allowing assault element to continue assault onto objective.</p>		<p>3) All Soldiers will qualify on their assigned weapon system and IMT.</p> <p>4) All Soldiers will have familiarization with the M240B, M249, and M203 prior to live fire training.</p> <p>5) All Soldiers will follow the proper safety procedures for IMT.</p> <p>6) All lane walkers will be certified on all live fire exercises prior to training.</p> <p>7) Target operator will perform a rehearsal before the live fire.</p> <p>8) Leadership positions and key weapons systems will remain the same during dry, blank, and live fire exercises.</p> <p>9) At least two lane walkers will accompany each element during BFX and LFX.</p> <p>10) Lane walkers w/SBF will communicate w/lane walkers w/assault element.</p> <p>11) Lane walkers will ensure SBF weapons shift fire when the assaulting element reach the designated degrees.</p>		

**Galloway Range 3rd BDE Platoon LFX W/Trench Clearing (Log #9-8-13) Roadblock List, 25 Sept 2013**

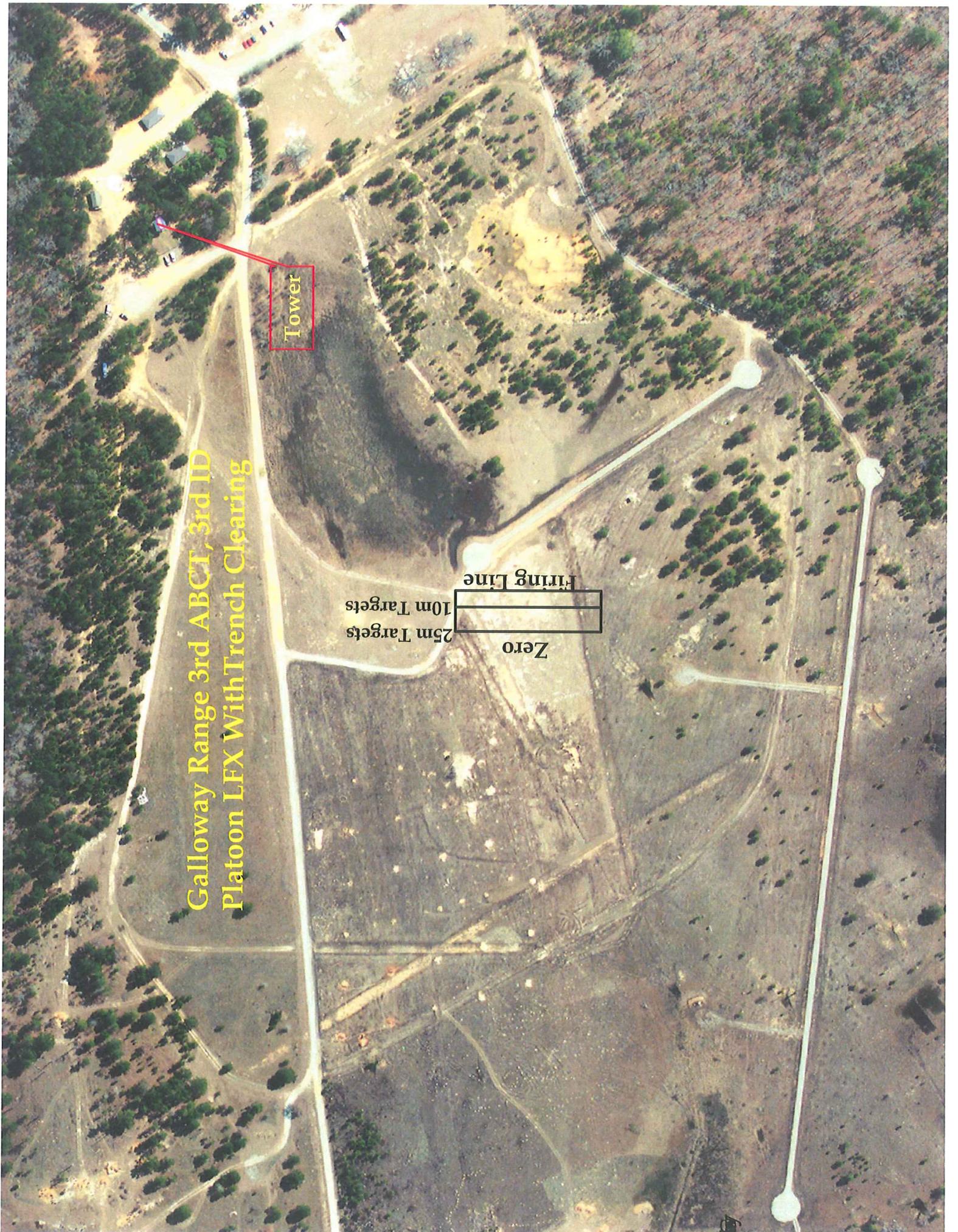
BLOCK	GRID	LOCATION	TYPE
A-1	FA 911 792	Across firebreak 200m down Fiske Range at right end of KD berm. Permanently closed.	Cable
A-2	FA 910 783	Off Sightseeing Rd on unnamed trail opposite of entrance to LRC.	Gate
A-4	FA 925 766	Off Sunshine Rd 1,200 m W. of entrance to Grandstaff range.	Gate
A-5	FA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

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

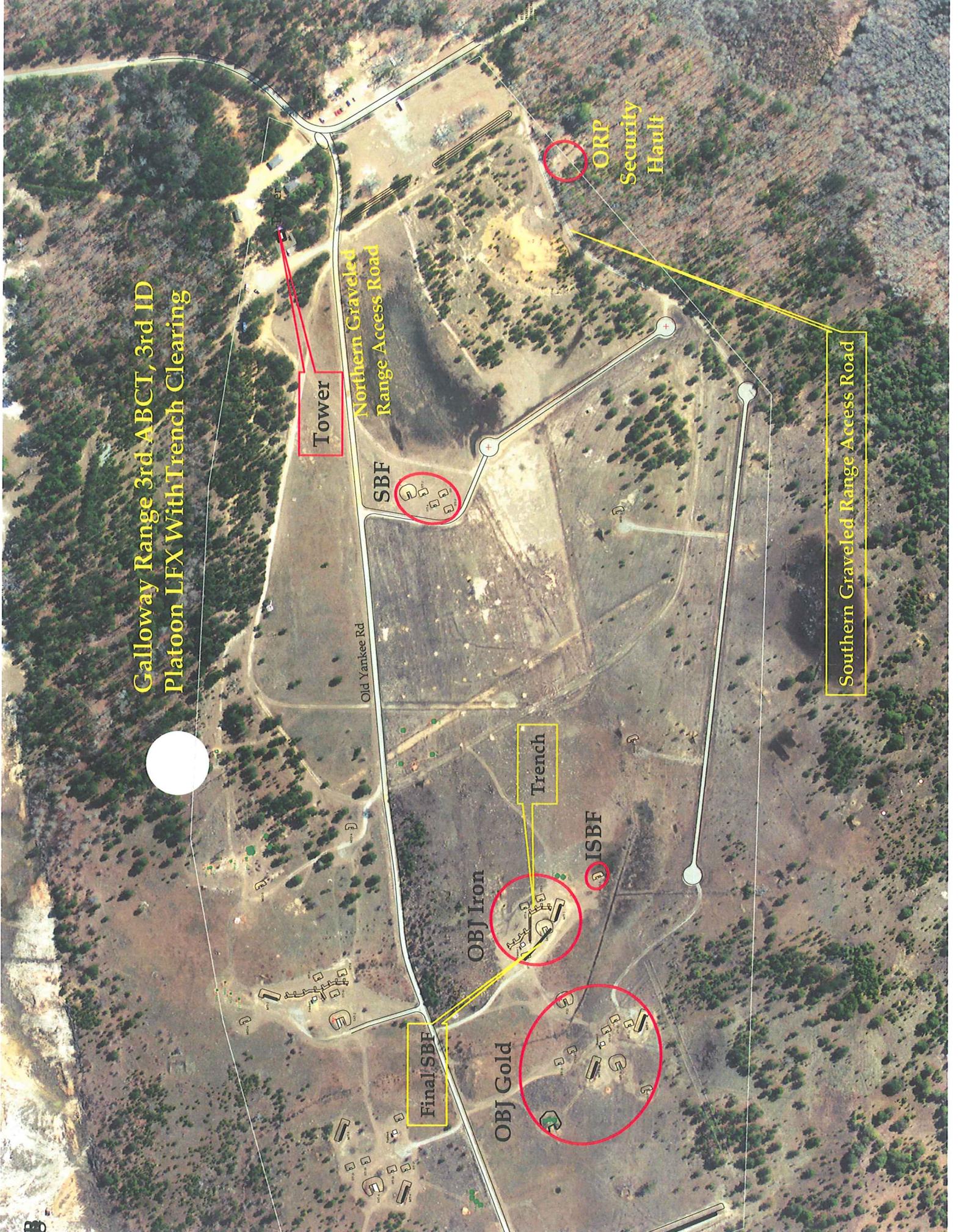
**Galloway Range 3rd ABCT, 3rd ID  
Platoon LFX With Trench Clearing**

Tower

Zero  
25m Targets  
10m Targets  
Firing Line



**Galloway Range 3rd ABCT, 3rd ID  
Platoon LFX With Trench Clearing**



**Tower**

**Northern Graveled  
Range Access Road**

**SBF**

Old Yankee Rd

**Trench**

**OBJ Iron**

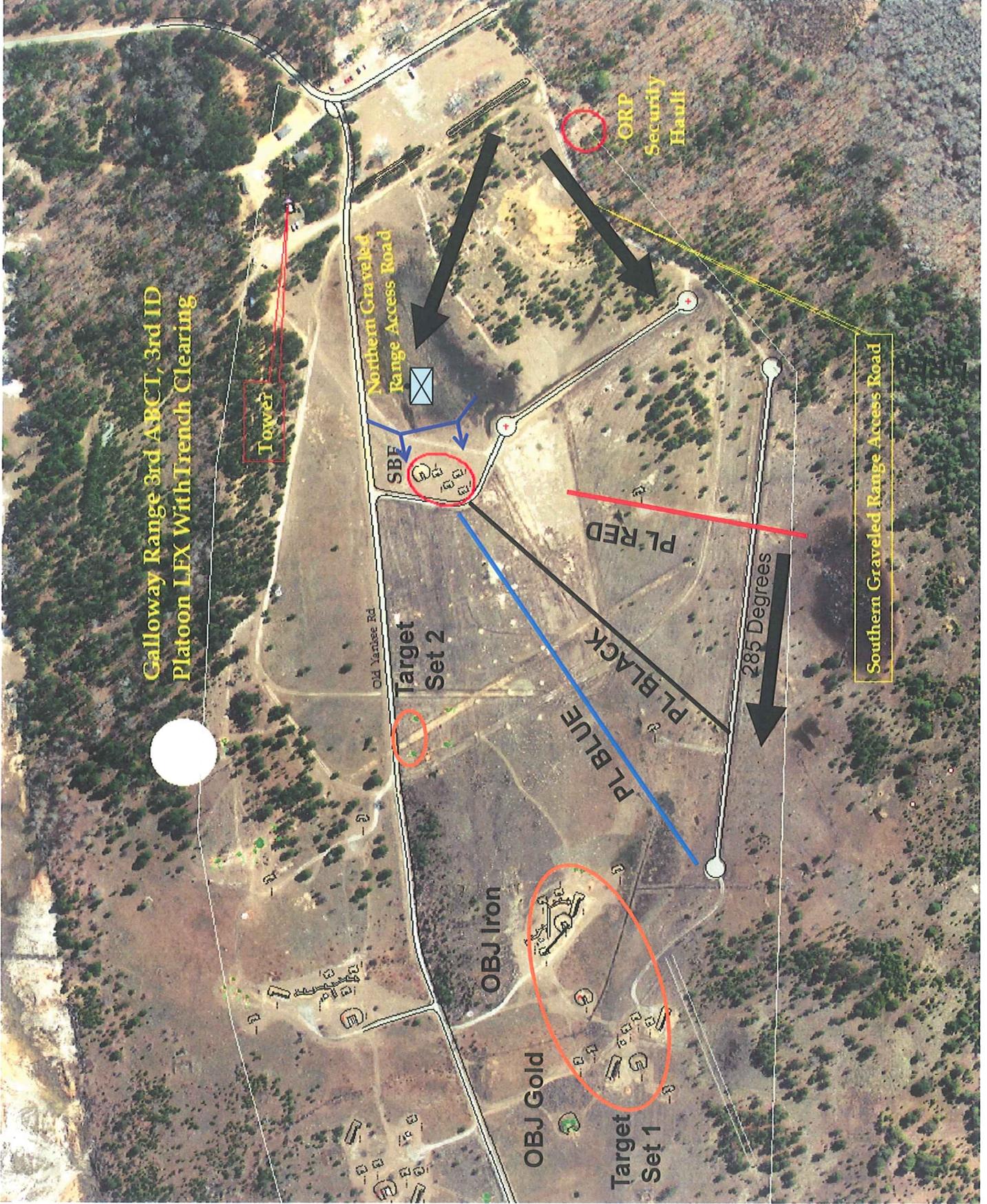
**ISBF**

**Final SBF**

**OBJ Gold**

**ORP  
Security  
Hault**

**Southern Graveled Range Access Road**



Galloway Range 3rd ABCT, 3rd ID  
Platoon LFX With Trench Clearing

Tower

Northern Graveled  
Range Access Road

Southern Graveled Range Access Road

Old Vanabee Rd

Target  
Set 2

OBJ Gold

OBJ Iron

Target  
Set 1

PL BLUE

PL BLACK

PL RED

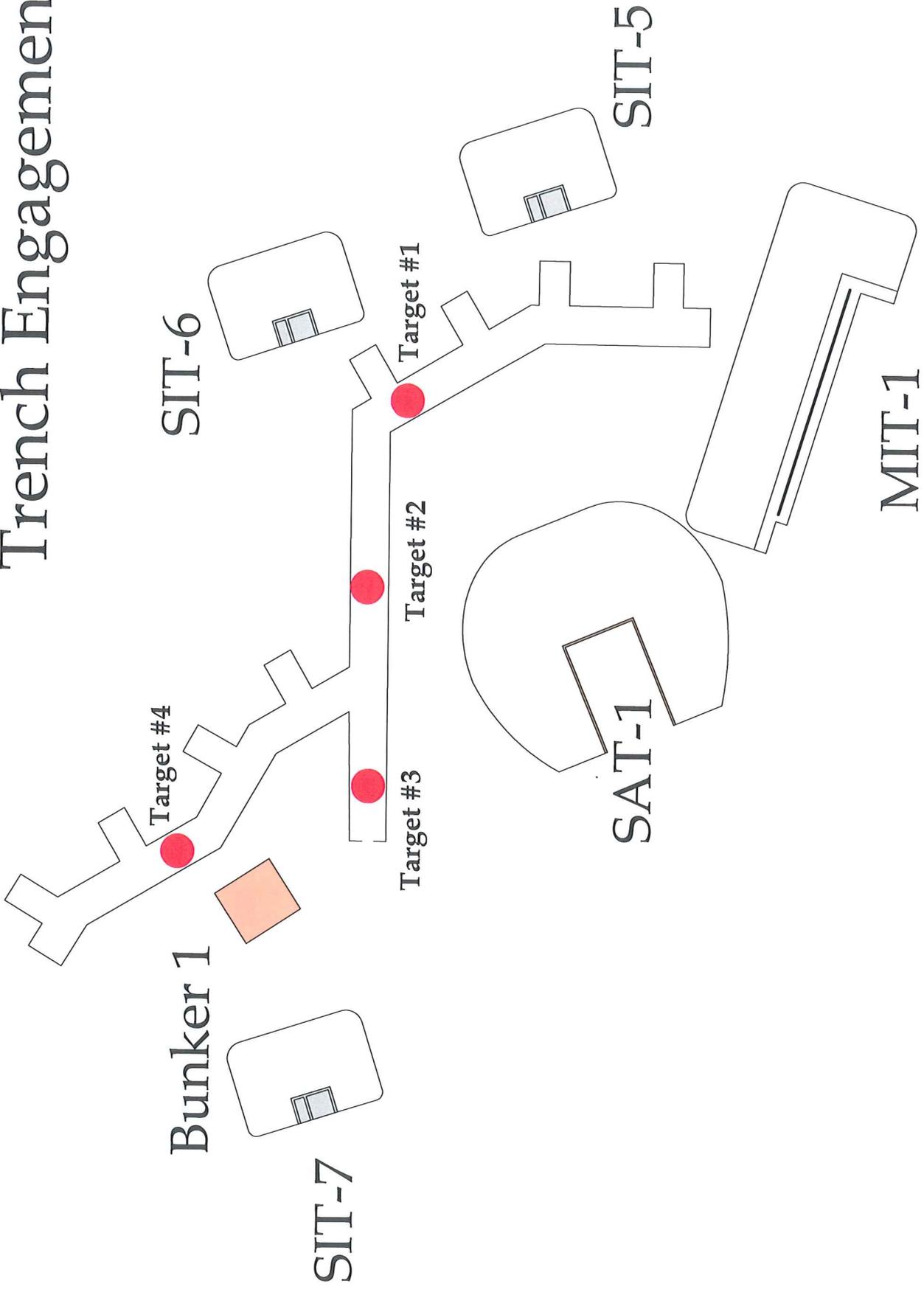
285 Degrees

CRP  
Security  
Hault

SBE



# Trench Engagement



ights

# Galloway Range 3rd ABCT, 3rd ID Platoon LEX With Trench Clearing

Tower

Northern Graveled  
Range Access Road

Old Nantese Rd

SBF

ORP  
Security  
Hault

Southern Graveled Range Access Road

OBJ Iron

FSBF Trench

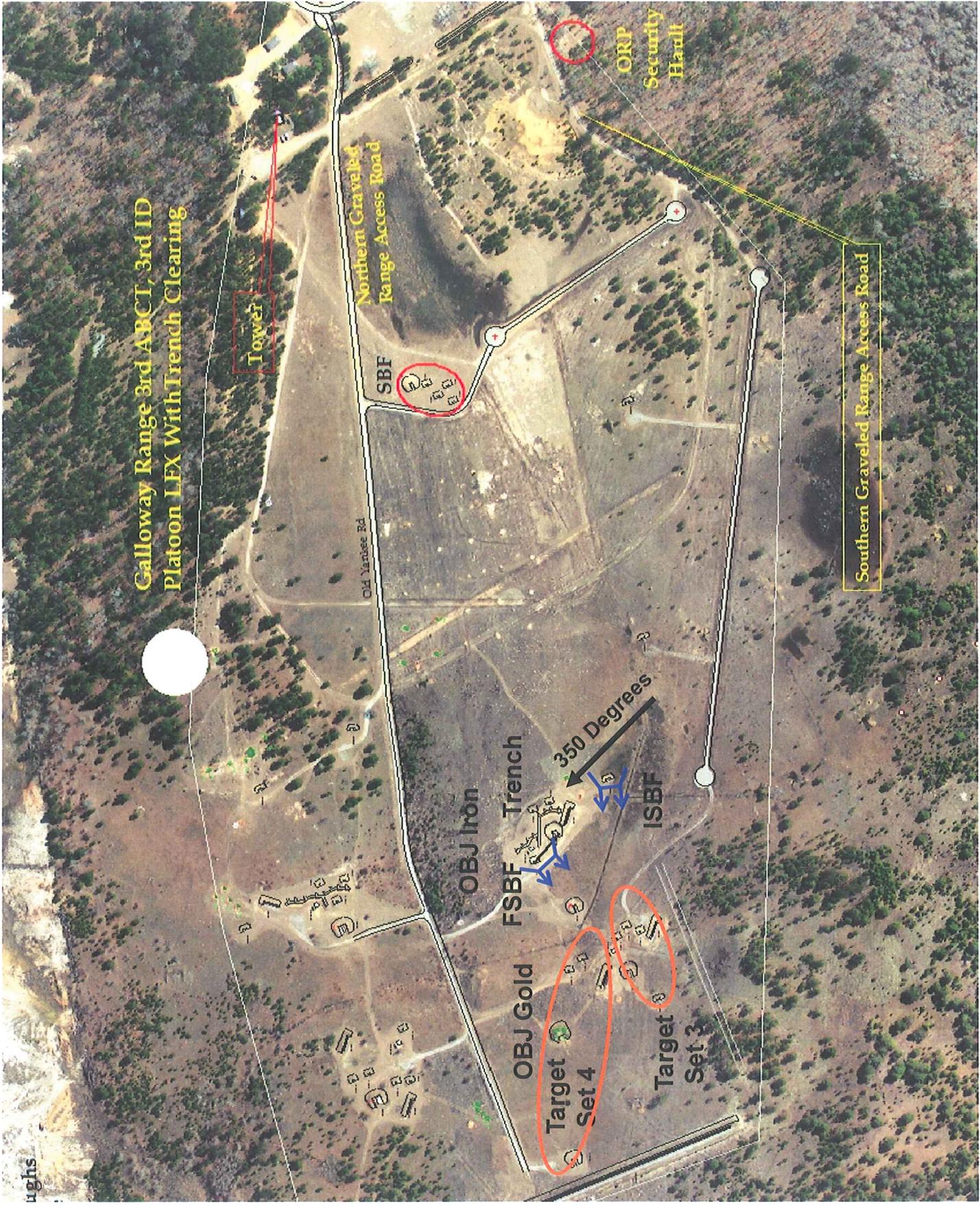
350 Degrees

ISBF

OBJ Gold

Target Set 4

Target Set 3





### Galloway 3rd BDE Platoon LFX W / Trench Clearing

NOTE: LL & RL = Deg's, Grid Az

\*SBF: 0088 7751 to 0088 7755 (LL = 250 (Shift 270), RL = 280)

M4/M249 (5.56mm B/T), M240 (7.62mm B/T)

\*ISBF: 0052 7736 (LL = 250, RL = 270)

M4/M249 (5.56mm B/T); M203 (40mm TP)

\*Trench: 0049 7740 - 0050 7742 to 0045 7744 - 0046 7746

M4/M249 (5.56mm B/T), M203 (40mm TP); LL = 300, RL = 330

\*Final SBF: 0047 7741 to 0044 7743 (LL = 235, RL = 272)

M4/M249 (5.56mm B/T); M203 (40mm TP)

\*Zero: 0090 7739 to 0090 7748

10m: M240 (7.62mm B/T) LL = 265, RL = 275

M249 (5.56mm B/T); LL = 265, RL = 275

25m: M4 (5.56mm B/T); LL = 268, RL = 272

Trench Assault

