

(EXP DATE: 8 Dec 14) T0097 ml

TRANSMITTAL, ACTION AND CONTROL

For use of this form see MCoE Memo 25-52; the proponent is SGS

1. SGS LOG: <i>ES13129249</i>	2. IN SGS: <i>3 Dec 13</i>	3. OUT SGS: <i>9 Dec 13</i>	4. DATE PREPARED:
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5. SUBJECT:
75th Ranger Regiment, Range Safety Waiver for Brann MPRC

6. ACTION OFFICER/OFFICE SYMBOL/PHONE NUMBER: <i>CPT Kyle Spade, Training Officer 75th RGR RGT, 545-3354</i>	7. DIRECTOR'S/COMMANDER'S SIGNATURE: <i>Colin P. Tuley, COL, Deputy Commander</i>
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SIGNATURE APPROVAL INFORMATION
 SGS DCofS GC CSM USAIS CSM USAARMS CSM MCoE CSM CDID
 GC CIG CoS SA DCG-NG Comdt, IN School Comdt, AR School CG

1. PURPOSE: To obtain the MCoE Commanding General's approval for MSD and SDZ reduction on Brann Range Complex in support of 75th Ranger Regiment's Mission Essential Training

2. RECOMMENDATION: Recommend approval of recurring waivers

3. DISCUSSION:

- REFERENCE:
- a. Army Regulation 385-63, 30JAN2012, Range Safety
 - b. DA Pamphlet 385-63, 30JAN2012, Range Safety
 - c. HQ TRADOC, Regulation 385-2, 6DEC2011, TRADOC Safety Program
 - d. 75th Ranger Regiment Range Safety Waiver Packet

General Concept of Event: 75th Ranger Regiment Mission Essential Training at Brann Complex

- a. 75th request to establish a single range packet to cover all training requirements at Brann Complex. This packet will allow each portion of the complex to operate independently and simultaneously.
- b. Method of entry compound, shoot house, flat range, MTC lane and breaching areas may be trained upon independently or simultaneously.
- c. Waiver of SDZs and MSDs are recurring waivers. These waivers have been approved for Brann and Booker complexes previously.

REQUEST approval of waiver to reduce MSD for ballistic and explosive breaches on shoothouse and breaching areas, fifteen degree SDZ for MTC lane and zero degree SDZ for shoothouse.

SIR: Recommend approval. No issues. Fully staffed & coordinated. Supports 75th RSTA RASP training tasks. 1/2 Bob

4. THIS DOCUMENT IS AUTHORED BY:

8. COORDINATION/APPROVAL

OFFICE	ACTION	NAME AND DATE	OFFICE	ACTION	NAME AND DATE
Post Safety	<i>Concur</i>	<i>K. Edens 2 Dec 13</i>			
Range Cont	<i>Concur</i>	<i>Butler 27 Nov 13</i>			
DPTMS	<i>Concur</i>	<i>Kurtz 3 Dec 13</i>			
G3	<i>Concur</i>	<i>Uehlings 3 Dec 13</i>			
<i>937</i>	<i>Concur</i>	<i>White 3 Dec 13</i>			

STAFF REMARKS: (Command Group Use Only)	APPROVAL AUTHORITY
	APPROVED:
	DISAPPROVED:
	NOTED:



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

REPLY TO
ATTENTION OF

9 DEC 2013

AORG-SC

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

SUBJECT: Range Safety Waiver for Brann Range (75th Ranger Regiment Scenarios)

1. References:

- a. AR 385-63, Range Safety, 30 Jan 12.
- b. DA PAM 385-63, Range Safety, 30 Jan 12.
- c. TRADOC Regulation 385-2, TRADOC Safety Program, 23 Jan 09.
- d. MCoE Regulation 350-19, Range and Terrain regulation, Mar 13.

2. Areas to be Waived:

- a. Area #1 (Breach Site & Explosive Entry): Reduced minimum safe distance (MSD) for participating personnel from 300 meters down to no less than 6 feet and IAW Regimental Training Circular (RTC) 350-19 (for a max single charge = 1.5 lbs of C4). The bunker requirement is reduced to protective wall.
- b. Area #2 (Explosive Entry with Shotgun Breach): Reduced MSD for Hatton shotgun round from 375m to 0m.
- c. Area #3 (Shoot house with Explosive Entry): Reduced safe distance zone (SDZ) for close quarters marksmanship inside the Brann shoot house to zero degrees IAW RTC 350-1-2 (MOUT), and AR 350-10 (Rifle Marksmanship) standards. The SDZ extending 360 degrees beyond outer walls is reduced from 3,437meters to 0 meters. The Explosive breach MSD on exterior of shoot house is reduced from 300m to 0m.
- d. Area #4 (Movement/React to Contact): Reduced of SDZ to 15 degrees on Movement to Contact (MTC) lane to allow maneuvering elements to envelop/flank to no less than 15 degrees of the supporting/base of fire element.

3. Controlling Factors:

- a. Area #1 (Breach Site & Explosive Entry): All Rangers training wear issued Personal Protection Equipment (PPE) to include ACH, ballistic eye-protection, Level 3 body armor, hearing protection, and gloves while conducting ballistic breaches. The 8'x10'x15' protective

AORG-SC

SUBJECT: Range Safety Waiver for Brann Range (75th Ranger Regiment Scenarios)

wall mitigates effects on participants at Ammunition Holding Area, and mitigates effects of explosive breaches on Jamestown road, mitigating the need for a bunker. The Concrete block wall, and terrain surrounding the explosive entry building mitigates the need for a bunker. The surrounding terrain (horseshoe shaped ridgeline, a natural barrier) mitigates the effects of explosives outside the Brann Complex and between Brann ranges. The berm dividing the explosive entry building/breach site from the flat range mitigates the effects of breaching on participating Ranges IVO the flat range. The protective wall is inspected by RSO/OIC prior to training to ensure integrity and protection. All Rangers are accounted for, behind protective wall before breaching occurs, and will not leave the protective wall until RSO/OIC declares "All Clear". Demolitions are accounted for by demo-qualified personnel at all times. Misfires are handled by qualified personnel. The direction of the blast is away from the protective wall. All training adheres to Ranger Training Circular (RTC) 350-19 which requires two ranges to calculate the MSD, and verification by a current Ranger Master Breacher prior to charge initiation (standard: Net Explosive Weight (NEW) in grains, cube root, and multiplied by the constant of 12 (shielded) and 300 (fragmentation distance). The breach site is monitored to prevent participating Rangers from moving outside the designated safe area during breaching. Any Rangers not directly participating in training are behind the protective wall (breach site) or the surrounding concrete wall.

b. Area #2 (Explosive Entry with Shotgun Breach): All Rangers training wear issued Personal Protection Equipment (PPE) to include ACH, ballistic eye-protection, Level 3 body armor, hearing protection, and gloves while conducting ballistic breaches. The breach site is monitored to prevent participating Rangers from moving outside the designated safe area during breaching. Direction of fire is horizontal or downward. The surrounding concrete block wall prevents effects of ballistic breaching from affecting other bays.

c. Area #3 (Shoot house with Explosive Entry): Target areas are at eye level or below. Rangers execute LFX with assigned weapon system and are qualified with assigned weapon. Weapons are not be locked and loaded until participating Rangers are within the shoot house walls. Shoot house wall are constructed of 2' thick, sand filled walls, to absorb 5.56 and 9mm ball ammunition without failure. All personnel wear PPE including combat helmet, level 3 body armor, gloves, ballistic eye protection and hearing protection. Commanders are ultimately responsible for safe conduct of shoot house live fire training. Directional charge calculation is monitored by a Master Breacher. A replaceable wood panel is used for breaching on shoot house doors. Rangers are behind a blast shield to mitigate impacts of explosive breaches. The requirement for a bunker IVO the shoot house is waived as the shoot house acts as a containing bunker.

d. Area #4 (Movement/React to Contact): Rangers do not fire closer than 15 degrees from the front line trace of maneuvering troops. The Regiment routinely executes LFX training under these conditions without incident. Positive visual front lint trace and communication is maintained between elements at all times. Engagements are in lower terrain with higher terrain to the north and south. All rangers training wear PPE to include ACH, ballistic eye-protection, Level 3 body armor, hearing protection, and gloves while conducting LFX training. LFX scenarios are certified by the Battalion Commander prior to execution. TEWT/dry and blank fire

AORG-SC

SUBJECT: Range Safety Waiver for Brann Range (75th Ranger Regiment Scenarios)

iterations are conducted prior to LFX iterations. Conditions (e.g. target placement) and scheme of maneuver will not change between iterations IAW Regimental Policy Letter #7.

4. Each portion of Brann Range (MTC, Shoot house, Flat Range, Method of Entry Compound/Explosive Entry Compound, and Breaching Area, and non-firing areas) will be able to operate independently. SDZs from each area are mitigated by the surrounding terrain, the berm between breaching areas and flat range, the compound walls on the shoot house, and direction of engagement for small arms and explosives.

5. Risk management factors for this waiver are integrated in the unit's Risk management Worksheet. The residual risk level is marked as MODERATE.

6. This waiver is valid for the period of one year (12 months) from the date of this memorandum when used in conjunction with live fire range scenario and risk management worksheet. In the event of an accident arising from the use of the waived condition, this waiver becomes invalid until reinstated by this headquarters.

7. The point of contact is Mr. Brad Tesch, Operations Officer, Range Division, Directorate of Plans, Training, Mobilization, and Security, 706-544-6385.

A handwritten signature in black ink, appearing to read 'H. R. McMaster', with a large, stylized flourish extending to the right.

H. R. MCMASTER
Major General, USA
Commanding



Shoot House

Breach Site

Area 1A to Waive

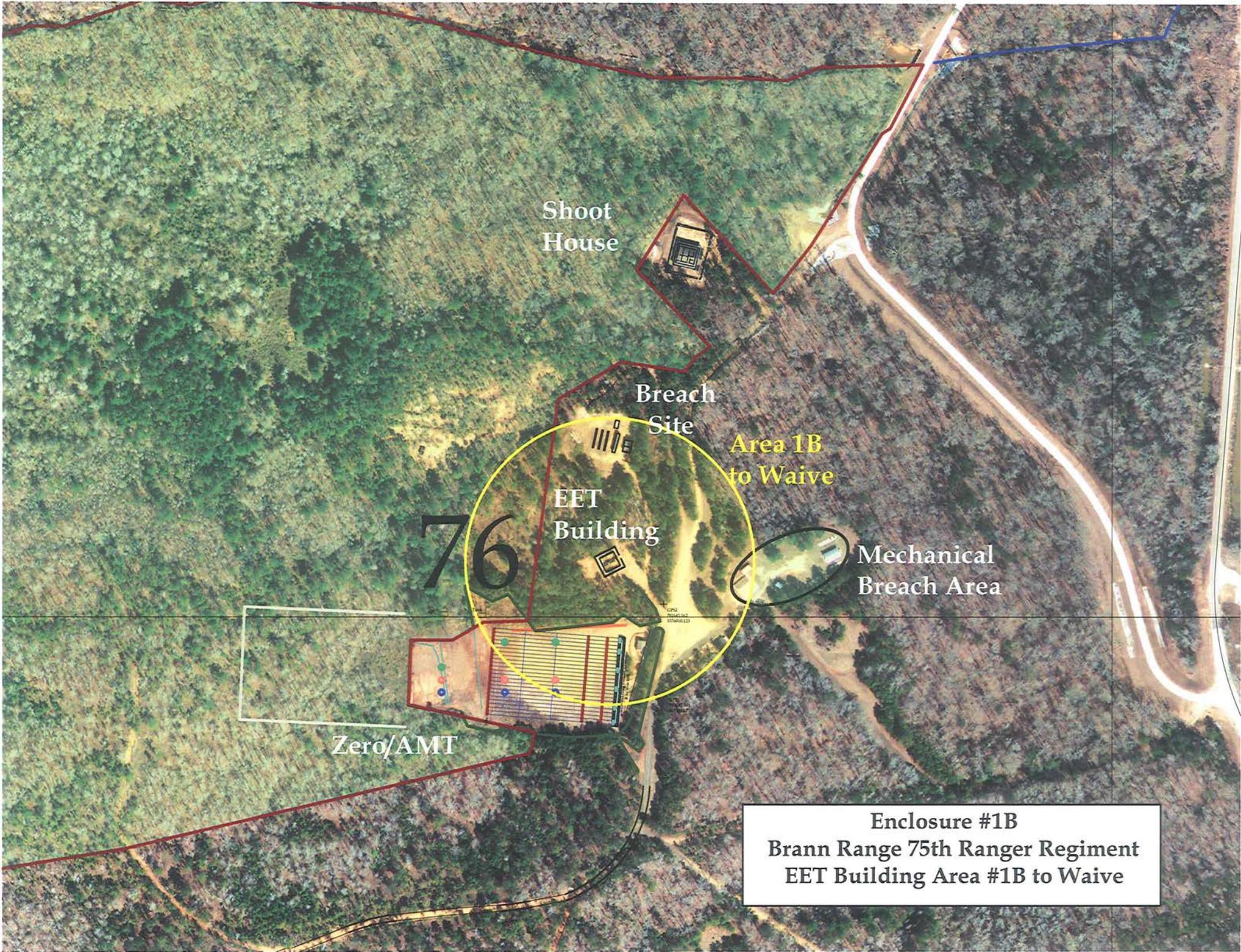
EET Building

Mechanical Breach Area

76

Zero/AMT

**Enclosure #1A
Brann Range 75th Ranger Regiment
Breach Site Area #1A to Waive**



Shoot House



Breach Site

EET Building



Area 1B to Waive

76

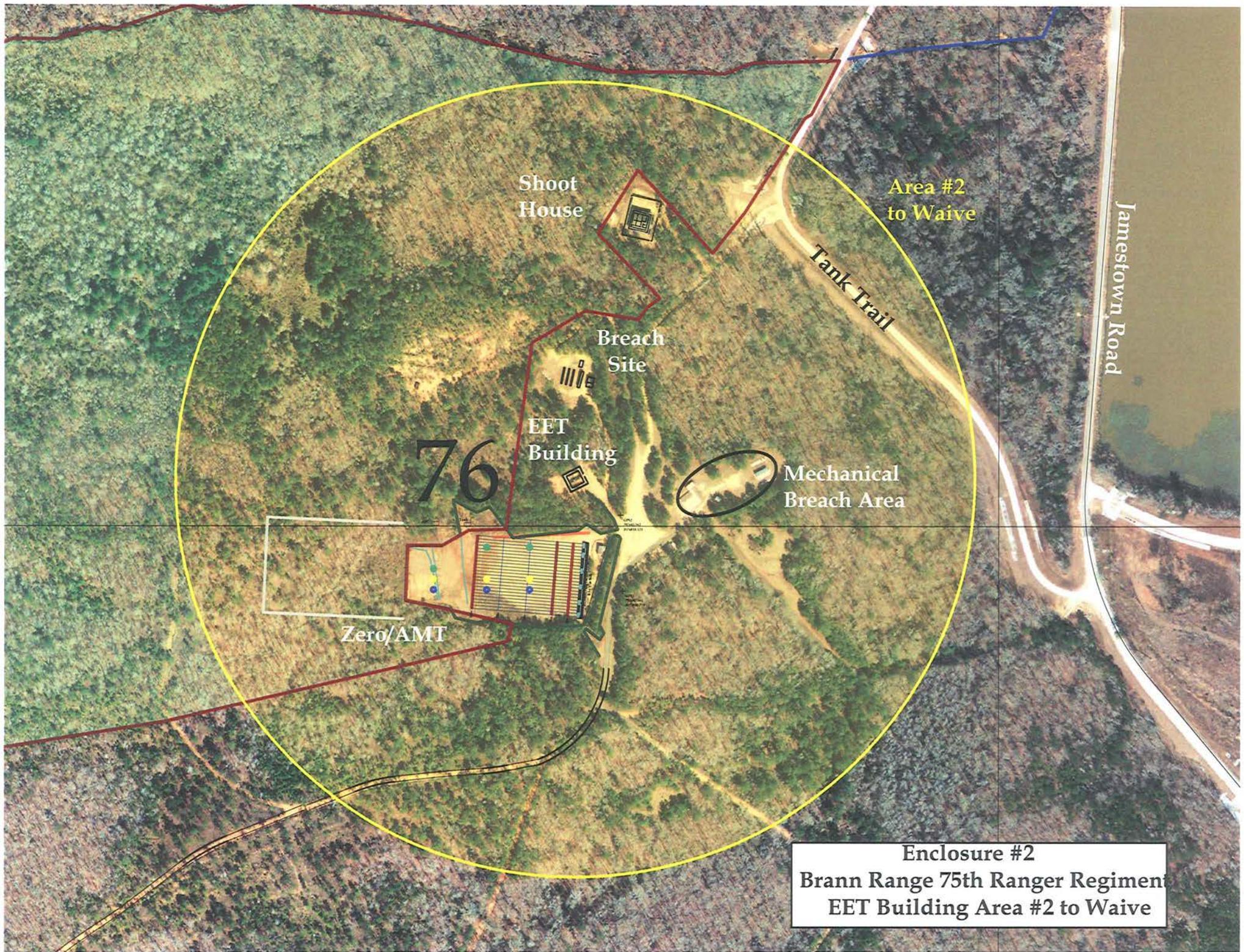
Mechanical Breach Area



Zero/AMT



**Enclosure #1B
Brann Range 75th Ranger Regiment
EET Building Area #1B to Waive**



Shoot House

Area #2 to Waive

Tank Trail

Jamestown Road

Breach Site

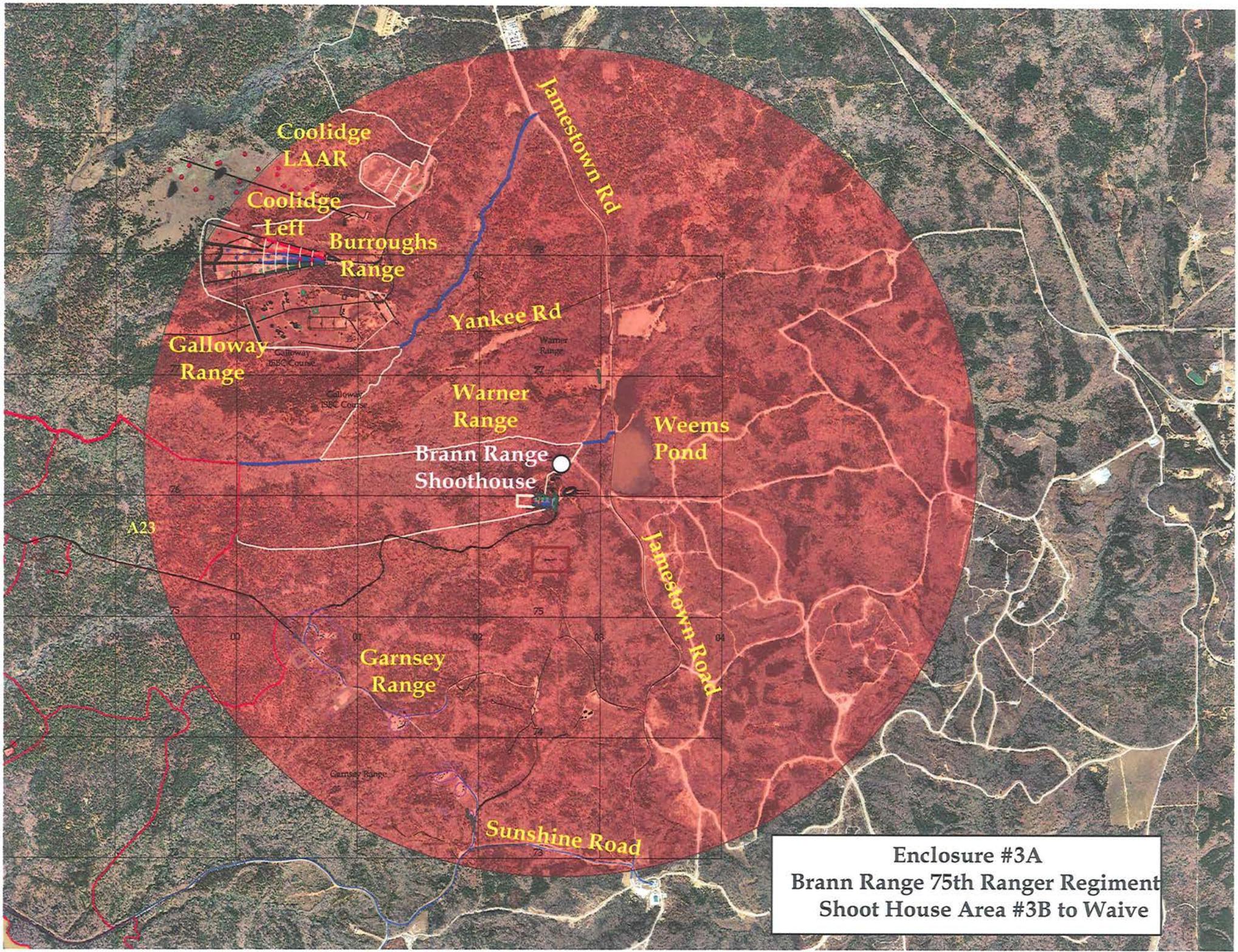
EET Building

76

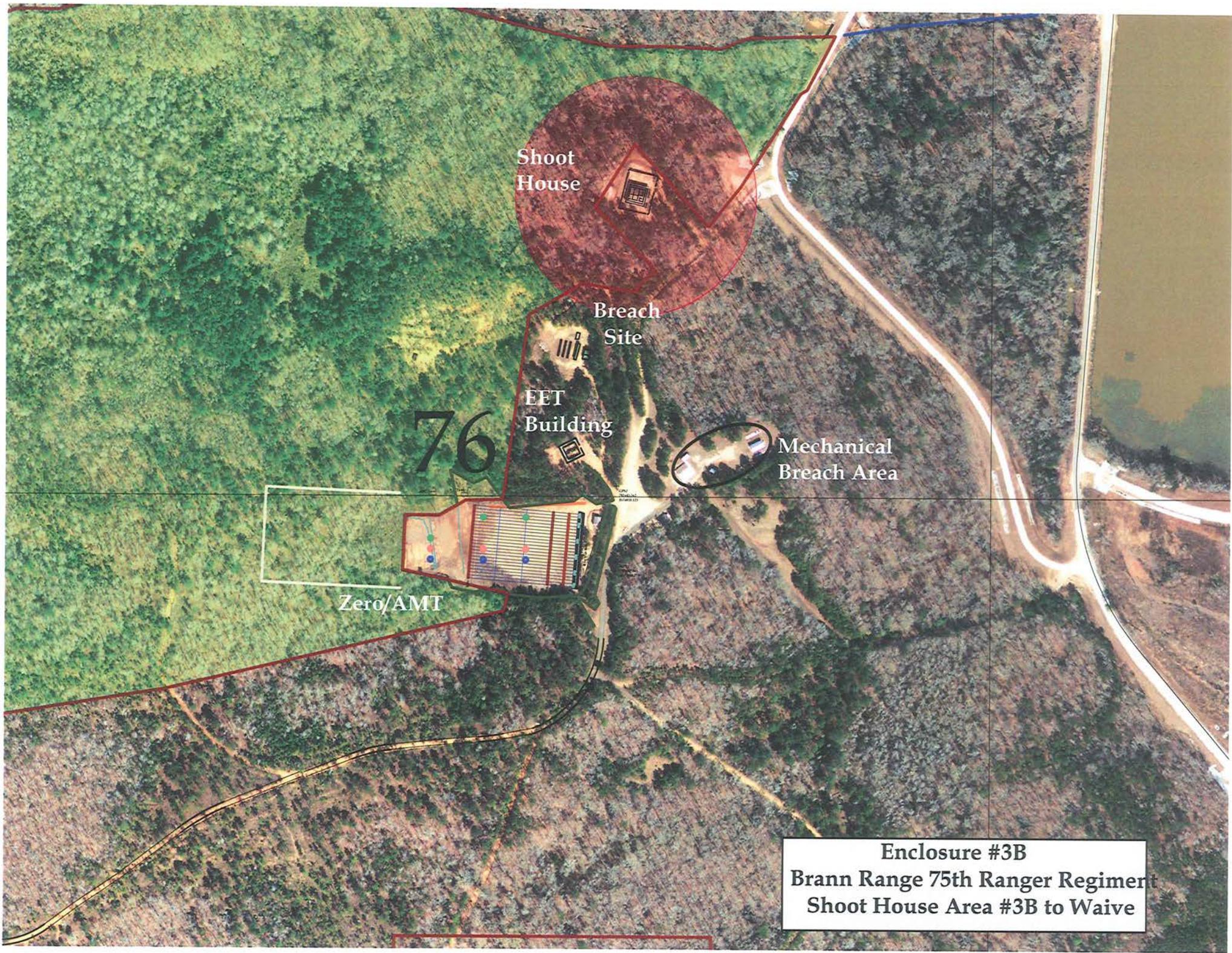
Mechanical Breach Area

Zero/AMT

Enclosure #2
Brann Range 75th Ranger Regiment
EET Building Area #2 to Waive



Enclosure #3A
Brann Range 75th Ranger Regiment
Shoot House Area #3B to Waive



Shoot House

Breach Site

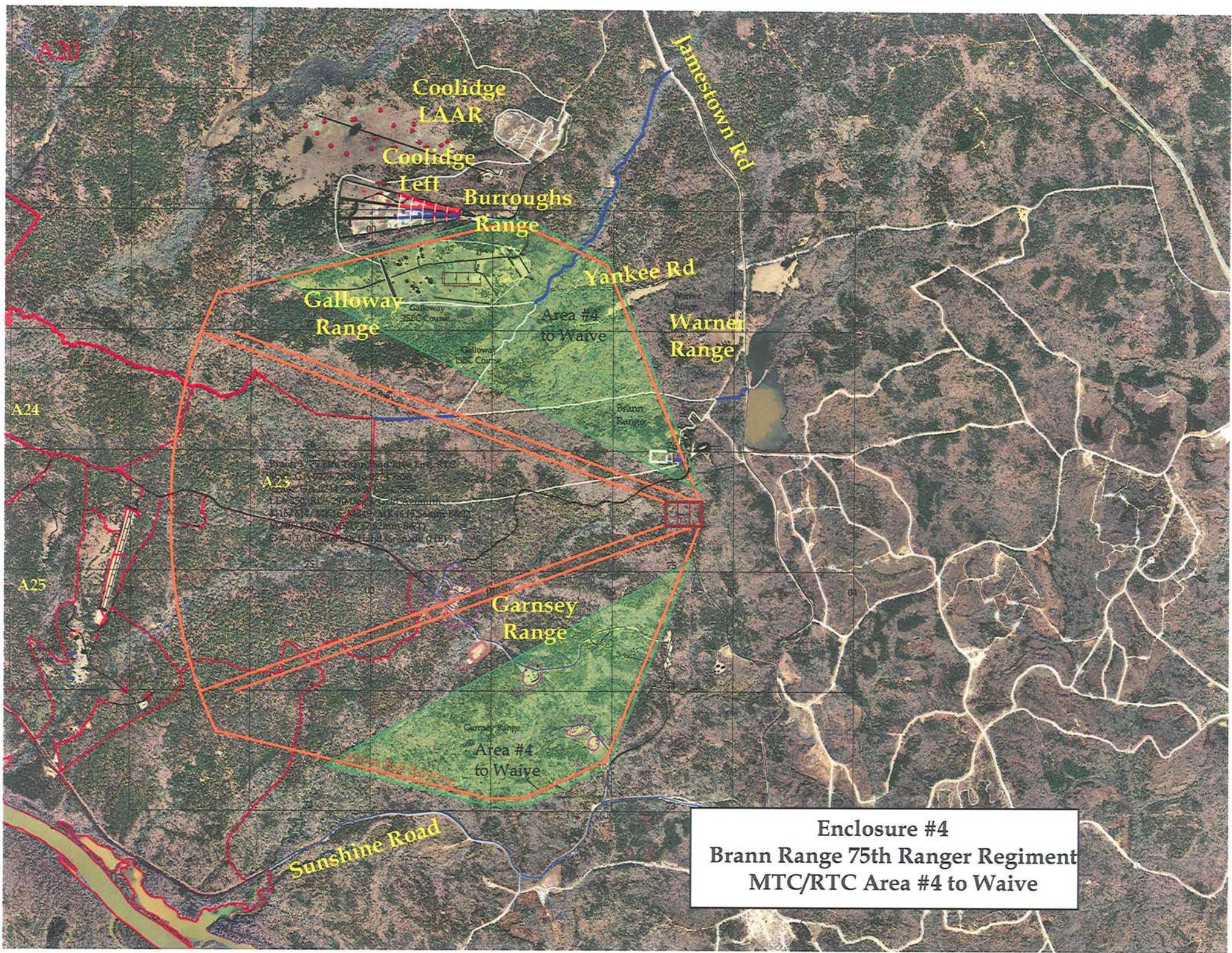
EET Building

Mechanical Breach Area

Zero/AMT

76

**Enclosure #3B
Brann Range 75th Ranger Regiment
Shoot House Area #3B to Waive**



A20

Coolidge
LAAR

Coolidge
Left

Burroughs
Range

Jamestown Rd

Yankee Rd

Galloway
Range

Area #4
to Waive

Warner
Range

A24

A25

Brann
Range

A25

Garnsey
Range

Garnsey Range

Area #4
to Waive

Sunshine Road

Enclosure #4
Brann Range 75th Ranger Regiment
MTC/RTC Area #4 to Waive

Brann Range

Shoot House

Breach Site

EET Buliding

Mechanical Breach Area

Zero/AMT

MTC

Tank Trail

Jamestown Road



Brann Range

Shoot House



Breach Site



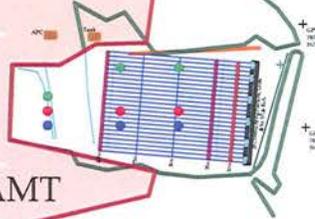
EET Building



Mechanical Breach Area



Zero/AMT



Brann MTC



COMPOSITE RISK MANAGEMENT WORKSHEET

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

1. MSN/TASK: Brann MPRC (Ballistic/Explosive Breach, MTC, Shoothouse)	2a. DTG BEGIN 04 November 2013	2b. DTG END 03 November 2014	3. DATE PREPARED (YYYYMMDD) 20131028
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4. PREPARED BY

a. LAST NAME SPADE	b. RANK CPT	c. POSITION TRAINING OFFICER
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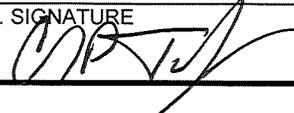
5. SUBTASK	6. HAZARDS	7. INITIAL RISK LEVEL	8. CONTROLS	9. RESIDUAL RISK LEVEL	10. HOW TO IMPLEMENT	11. HOW TO SUPERVISE (WHO)	12. WAS CONTROL EFFECTIVE?
ALL	Range/general situational awareness	M	The range OIC and RSO will read and review the RMW and ensure a dedicated EVAC vehicle is present. They will also complete the FB Daily Risk Assessment.	L	IAW MCoE 350-19; 75 th RGR REGT RTC 350-1-2, 350-10, 350-19; USASOC 385-1; RCO Policy Letter #7	OIC / RSO / RFR / PL / PSG / SL / TL	
	Heat Casualty / Cold WX Injury	M	Temperature and Rangers will be monitored. Continuous hydration during training. Leaders will also monitor Rangers' nutrition before and during training. Evacuation vehicle and medics will be on site. Extreme heat advisories will be implemented during the day when applicable. Water will be readily accessible on each training area.	L	FB Daily Risk Assessment. Temperature and Rangers will be constantly monitored.	OIC / RSO / RFR / PL / PSG / SL / TL	
	Vision and Hearing Loss	M	Ballistic eye protection and ear protection will be worn by all Rangers. Lasers will be treated as direct fire weapons.	L	Leadership will ensure uniform standards are enforced.	OIC / RSO / RFR / PL / PSG / SL / TL	
	Snake or insect bites	M	Ranger will be informed of wildlife hazards during Range Safety briefs. Additionally, Rangers will be instructed not to harass wildlife in training areas.	L	Leadership will enforce wildlife standards in MCoE 350-19	OIC / RSO / RFR / PL / PSG / SL / TL	
	Severe weather (storms, lightning, tornadoes)	M	Leaders will monitor all nets for storm warnings. Wind/weather restrictions will be followed. In case of a storm warning involving lightning, Rangers will be sent to a dispersal area away from any tall trees, structures, and metal. Radios will be turned off. In the event of extreme weather, the unit will clear the training area and move to a safer location.	L	RSO/OIC will provide safety brief prior to execution of training and discuss locations to take cover during inclement weather. RSO will monitor Range Control NET at all times.	OIC / RSO / PL / PSG / SL / TL	

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

13. OVERALL RISK LEVEL AFTER CONTROLS ARE IMPLEMENTED (Check one)

LOW
 MODERATE
 HIGH
 EXTREMELY HIGH

14. RISK DECISION AUTHORITY

a. LAST NAME TULEY	b. RANK COL	c. DUTY POSITION Deputy Commander, 75 th RGR REGT	d. SIGNATURE 
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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?
Construction and Emplacement Explosive Charges	Premature detonation of explosives, blasting caps, or initiation systems	H	Rangers will receive safety brief. Master Breacher on site will conduct final inspections of blasting cap crimping, firing and initiating systems. Minimize the use of electric blasting caps. Control all FM communication devices. Rangers will transport the charges and initiation systems separately and will not hook up the initiating system until ready to detonate charges. Rangers will wear MICH helmet, ballistic eye protection, ear protection, body armor, and gloves during training.	M	IAW RTC 350-19; Master Breacher / RSO / OIC will monitor all aspects of building and emplacing explosive charges	Master Breacher / OIC / RSO / PL / PSG / SL / TL	
	Explosion of demolitions by static electricity, sparks, electrical storm	M	Minimize the use of electric blasting caps. Training will be suspended during electrical storms. Smoking or spark producing articles will be prohibited within 50 meters of explosive materials. All explosives will be handled as prescribed by applicable training guidance. No charges will be handled or detonated while storm is in effect. Medic on station with transportation to medical clinic if required.	L	IAW RTC 350-19; RSO monitors weather advisories. Master Breacher on site will maintain Rangers in protected location away from explosives during thunder storms.	Master Breacher / OIC / RSO / PL / PSG / SL / TL	
	Injury due to blast effects	M	All live fire exercises will include a safety briefing to all participants. Master Breachers will be present at all Demolitions training. Rangers will wear MICH helmet, ballistic eye protection, ear protection, body armor, and gloves. Rangers will be positioned outside the MSD or behind cover when detonating explosives. Medic on station with transportation to medical clinic if required.	L	Master Breacher on site will conduct final clearance of blast area.	Master Breacher / OIC / RSO / PL / PSG / SL / TL	
	Flying debris upon detonation	M	Rangers maintain minimum safe distance IAW Net Explosive Weight calculation. Minimize foreign materials in the proximity of the explosive. Post guards to keep non-essential personnel movement to a minimum. Use minimum Net Explosive Weight needed. Rangers will wear MICH helmet, ballistic eye protection, ear protection, body armor, and gloves.	L	Master Breacher will inspect NEW for each charge. Leadership will enforce uniform standards. RSO / OIC will ensure Rangers are in compliance with MSDs	Master Breacher / OIC / RSO / PL / PSG / SL / TL	

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?
	Misfire of Explosives	L	Master breacher controls and inspects firing system construction. Cease fire and use the proper clearing procedures IAW prescribed guidance. The Master Breacher will clear the misfire or call EOD, as appropriate. Proper inspection of all demolition materials. Ensure proper control and handling of demolitions.	L	IAW 350-19; Master Breacher will inspect all breaching equipment prior to use.	Master Breacher / OIC / RSO / PL / PSG / SL / TL	
Ballistic Breaching	Injury to a Ranger during a Ballistic Breach	M	All Rangers will conduct dry fire validation by the Master Breacher. Live ammunition will be loaded and unloaded in a safe direction.	L	Master Breacher, OIC/RSO and CO/PLT leadership will adhere to RTC 350-19	Master Breacher / OIC / RSO / PL / PSG / SL / TL	
Mechanical Breaching	Injury due to improper employment of mechanical breaching tools	M	Rangers will wear MICH helmet, ballistic eye protection, ear protection, body armor, and gloves. Master Breacher will closely monitor employment of tools, Rangers will rehearse prior to execution of mechanical breach.	L	Master Breacher, OIC/RSO and CO/PLT leadership will adhere to RTC 350-19	Master Breacher / OIC / RSO / PL / PSG / SL / TL	
Maneuver	Fratricide due to Fire and Maneuver	H	All Rangers must certify during blank fire under the same conditions as the LFX before being allowed to conduct the LFX. If a Ranger changes positions in the TM during Battle Drill 6, that TM will recertify. A leader TEWT will be conducted prior to the LFX, and the Co CDR/ISG will validate all LFX scenarios. See REGT Policy Letter #7 for further guidance. A 15-degree minimum safe distance (CG Waiver) will be enforced for all direct fire weapon systems. Rangers will only use weapons they are qualified on. A detailed safety brief will be given to all Rangers with emphasis on weapon awareness. Weapons will be placed on safe at all times when not engaging targets. OIC/RSO will move with element conducting LFX. A medic will be on site with a CASEVAC vehicle at all times during LFX. Rangers will wear MICH helmet, body armor, Ear Pro, Eye Pro, knee pads and Gloves when firing live rounds.	M	OIC/RSO will provide detailed safety brief; Scheme of maneuver will be briefed to BN CMD Leadership; Master Breacher will enforce MSDs	Master Breacher / OIC / RSO / PL / PSG / SL / TL	

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?
	Injury due to Negligent Discharge	M	Weapons awareness will be emphasized during the range safety brief. Weapons will be placed on safe when not engaging targets. Rangers will only use weapons they are qualified on. Rangers will lock and load at the RP and when told to do so by the OIC/RSO. All weapons will be locked, cleared, and inspected upon exiting the Shoot House.	L	OIC/RSO will provide detailed safety brief and inspect weapon systems prior to execution IAW RTC 350-10 and 350-1-2.	OIC / RSO / PL / PSG / SL / TL	
	Injury due to Ricochet	M	Terrain will be checked for ricochet hazards before training and Rangers will be briefed on hazards. The OIC/RSO will clear any potential ricochet hazards. Rangers will fire only at targets that are at least 15 degrees away from other Rangers, and they will not fire at anything that may deflect the trajectory of the round. Non-ricocheting targets and only wood furniture will be used.	L	RSO will inspect the site and identify any areas where there could be a potential ricochet. RSO will give a detailed safety brief, which will entail the specific left and right limits of the range fan.	OIC / RSO / PL / PSG / SL / TL	
	Injury by objects projected from barrel while firing blanks	M	The proper blank adapter for each weapon system will be used as stated in the pertaining SOP's and TM's. All ammunition will be inspected prior to use, to ensure that it is serviceable and the proper type. Rangers will wear MICH helmet, Body Armor, Ear Pro, Eye Pro, and gloves.	L	OIC / RSO will inspect weapon systems and ammunition prior to execution of iteration.	OIC / RSO / PL / PSG / SL / TL	
	Injury due to use of Flash Bangs	L	Personnel employing flash bangs will conduct a FAM prior to executing the LFX. Rangers, who have not conducted a FAM prior to the LFX will not be permitted to throw a flash bang.	L	OIC / RSO will verify qualifications of Rangers who will carry/employ flash bangs prior to execution.	OIC / RSO / PL / PSG / SL / TL	
	Firing outside of the range scenario	H	Range limitations will be briefed to all Rangers in the safety brief. The Blank Fire Exercise will validate the Rangers left and right limits and their target array. OCs will ensure that squads do not deviate from BFX scenario during LFX.	M	OIC / RSO will provide detailed safety brief annotating locating hot walls.	OIC / RSO / PL / PSG / SL / TL	

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?
	Simmunitions Injury	L	Personnel will receive a safety briefing including the inspection for live fire and training ammunition, all exposed skin is covered, groin protection, full face mask worn, which includes eye, ear, and mouth protection. Detailed rules of engagement briefing given to preclude force on force head shots, groin shots, and physical contact. Ensure all Rangers are briefed on the proper use of all SIMS equipment, and all Rangers know the proper steps to take when a SIMS malfunction occurs.	L	RSO will provide detailed safety brief and Co Leadership will inspect PPE and enforce uniform standards.	OIC / RSO / PL / PSG / SL / TL	
	Mixing of Live and Blank Ammunition	M	All ammo will be checked, to ensure no mixing of blank and live ammo. Ammo NCO will sign for all ammunition and keep blank and live separate at the ASP.	L	RSO / OIC will inspect ammunition prior to commencing iteration. Ammo ASP will control distro of ammunition.	OIC / RSO / PL / PSG / SL / TL / Ammo NCO	
Shoot House	Lead Abatement	M	Rangers will receive safety brief on lead exposure. Chow breaks will be conducted at sites with water to allow hand washing. Lead wipes will be made available during course. Rangers will change into clean attire upon completion of training and wash that attire separate from civilian attire to prevent cross contamination.	L	IAW USASOC 40-6; RSO/OIC will provide safety brief prior to execution of training in order to inform the force on the dangers of lead abatement and enforce the care of equipment principle.	OIC / RSO / PL / PSG / SL / TL	

COMPOSITE RISK MANAGEMENT WORKSHEET

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

1. MSN/TASK Marksmanship/CQM-Brann Flat Range	2a. DTG BEGIN 2 October 2013	2b. DTG END 1 October 2014	3. DATE PREPARED (YYYYMMDD) 20131002
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4. PREPARED BY		
a. LAST NAME Spade	b. RANK CPT	c. POSITION Training Officer

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?
Zero/ Qualify / CQM Assigned Primary Weapons	Fratricide due to moving through another Ranger's field of fire	M	OIC and RSO will issue a detailed safety brief to all participants. PMI will be conducted prior to firing. All Rangers will wear MICH, Plate Carrier w/Plates and eye protection.	L	IAW: MCOE350-19 75th RGR RGT RCT 350-10 USAIC REG 350-1 USASOC REG 385-1	OIC / RSO Combat Lifesavers / RFR PL / PSG / SL / TM LDR	
			Qualified medic/EMT/RFR will be on site with a designated aid vehicle. The OIC/RSO will clear the down range area before allowing Rangers to touch weapons on the firing line.		IAW: MCOE350-19 75th RGR RGT RCT 350-10 USAIC REG 350-1 USASOC REG 385-1	OIC / RSO Combat Lifesavers / RFR PL / PSG / SL / TM LDR	
			All Rangers will maintain positive control of their weapons with it placed on safe and slung during movement forward of the firing line.		Weapon awareness briefed. Only lock and load when OIC/RSO says. SL/TL closely supervise their men.	OIC / RSO Combat Lifesavers / RFR PL / PSG / SL / TM LDR	
			Rangers will fire only at designated targets in their sector. TM LDR's and SL's will be responsible for closely supervising their men on the range.		Range boundaries and targets briefed during Safety brief. OIC/RSO will monitor.	OIC / RSO Combat Lifesavers / RFR PL / PSG / SL / TM LDR	
Zero/ Qualify / CQM Assigned Primary Weapons	Negligent Discharge	M	Weapons awareness will be emphasized during the range safety brief. Weapons will be on safe when not engaging targets. Rangers will only use weapons they are qualified on.	L	IAW: MCOE350-19 75th RGR RGT RCT 350-10 USAIC REG 350-1 USASOC REG 385-1	OIC / RSO Combat Lifesavers / RFR PL / PSG / SL / TM LDR	
			Rangers will fire only at designated targets in their sector.		Individual Ranger Discipline. OIC/RSO will moitor.	OIC / RSO Combat Lifesavers / RFR PL / PSG / SL / TM LDR	

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 checked="" type="checkbox"/> LOW <input type="checkbox"/> MODERATE <input type="checkbox"/> HIGH <input type="checkbox"/> EXTREMELY HIGH

14. RISK DECISION AUTHORITY			
a. LAST NAME Lubas	b. RANK LTC	c. DUTY POSITION Regimental S-3	d. SIGNATURE LTC, IN

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?
<i>Zero/ Qualify / CQM Assigned Primary Weapons</i>	Ricochet	M	Lanes will be checked for ricochet hazards before training and Rangers will be briefed on hazards. The OIC/RSO will attempt to clear hazards.	L	Range boundaries and targets briefed during Safety brief. OIC/RSO will monitor.	OIC / RSO Combat Lifesavers / RFR PL / PSG / SL / TM LDR	
			MICH, Plate Carrier w/Plates and eye protection will be worn. All Rangers will be up range from the targets during the firing and only fire at their designated targets in their sector.		IAW: MCOE350-19 75th RGR RGT RCT 350-10 USAIC REG 350-1 USASOC REG 385-1	OIC / RSO Combat Lifesavers / RFR PL / PSG / SL / TM LDR	
<i>Weapons Fired</i>	Injury due to cut or fall	M	Rangers will receive a safety brief regarding the terrain. OIC/RSO will identify hazards on the lane. Rangers will be familiar with the equipment before executing training.	L	OIC/ RSO will walk the range prior to execution in order to determine hazards are clear or marked.	OIC / RSO Combat Lifesavers / RFR PL / PSG / SL / TM LDR	
<i>Weapons Fired</i>	Hearing Loss	M	Rangers will use hearing protection during all LFX. Extra hearing protection will be available at the range.	L	OIC/ RSO will brief ear pro requirement during safety brief	OIC / RSO Combat Lifesavers / RFR PL / PSG / SL / TM LDR	
<i>Zero/ Qualify / CQM Assigned Primary Weapons</i>	Heat Casualty /Cold Weather Injury	M	Rangers will hydrate before, during, and after training. Rangers will eat all meals. Observe proper work to rest ratio for climate conditions.	L	IAW: MCOE350-19 75th RGR RGT RCT 350-10 USAIC REG 350-1 USASOC REG 385-1	OIC / RSO Combat Lifesavers / RFR PL / PSG / SL / TM LDR	
			Leaders and buddies monitor for heat and cold symptoms. Leaders will ensure that the Rangers wear proper dress for the climate conditions and modify the uniform as necessary.		OICs, RSOs, and leadership monitor Rangers. Water will be readily available and trng plan will allow for recovery.	OIC / RSO Combat Lifesavers / RFR PL / PSG / SL / TM LDR	
<i>Zero/ Qualify / CQM Assigned Primary Weapons</i>	Severe Weather (Storms, Lightning, Tornadoes)	M	Leaders will monitor all nets for storm warnings. In case of lightning, Rangers will be sent to a dispersal area away from any tall trees, structures, and metal.	L	IAW: MCOE350-19 75th RGR RGT RCT 350-10 USAIC REG 350-1 USASOC REG 385-1	OIC / RSO Combat Lifesavers / RFR PL / PSG / SL / TM LDR	
			Radios will be turned off. In the event of extreme weather, the unit will clear the training area and move to a safer location.		In event of lightning, all training stops, all PAX move to lightning area and wait for lightning to clear	OIC / RSO Combat Lifesavers / RFR PL / PSG / SL / TM LDR	
<i>Zero/ Qualify / CQM Assigned Primary Weapons</i>	Wildlife / Insect Sting	L	Safety brief will address wildlife considerations. The OIC/RSO will proof the lane for any wildlife issues. Rangers will not handle wildlife.	L	IAW: MCOE350-19 75th RGR RGT RCT 350-10 USAIC REG 350-1 USASOC REG 385-1	OIC / RSO Combat Lifesavers / RFR PL / PSG / SL / TM LDR	
			Rangers with allergies will be identified by their chain of command. A CLS on site will administer first aid to any Ranges bit or stung.		IAW: MCOE350-19 75th RGR RGT RCT 350-10 USAIC REG 350-1 USASOC REG 385-1	OIC / RSO Combat Lifesavers / RFR PL / PSG / SL / TM LDR	



RECORD OF ENVIRONMENTAL CONSIDERATION (REC)



Date Submitted: 9/26/2013

EMD Number: 1326910

Project#: Unknown

Project Title: Zeroing, familiarization firing, close quarters marksmanship and stress shoot events

Description of proposed action:

Training will consist of zeroing, familiarization firing, close quarters marksmanship and stress shoot events. Participants will fire from images of 10 meters up to 100 meters from the targets. Rangers will shoot and move during close quarters training from 50 meters up to 10 meters and from 100 meters to 10 meters during the stress shoot. Various Firing positions will be utilized to include barriers, walls and windows on the course. All training will be heavily supervised.

Project Location:

Brann Range

Amount, Description, Location of Disturbance/Digging:

none

Number of Personnel:

None

Type of Ammunition:

9mm, 5.56, 7.62, 40mm HE/TP Live & Blank

Number/Types of Trees:

none

Size of Project Area: n/a

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

Proponent: stephen.fekete

706-545-3354

Organization/Unit: 75th Ranger Regiment

Number/Types of Vehicles:

None

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

Noise

Conditions:

Ellis Leeder (706 545 2400), 9/27/2013

This is training operations request for training. If there is any operational noise complaints received, the Environmental Management Division Installation Operational Noise Monitoring Program (IONMP) and or Public Affairs Office (PAO) programs will investigate and then recommending operational noise mitigation actions to the appropriate personnel for the training actions. 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 noise abatement areas. Please follow good smoke management practices not allowing smoke or dust to travel off Installation boundary into public areas or roads. Please increase distance between vehicles when dust conditions are extreme, see Table 5-3. CS gas use should be utilized in designated areas only, contact Range Control for a listing of approved CS gas sites. Please visit the Range Operations website to obtain a list of approved weapons per Range or Firing Points. Leave the training areas, firing range, latrines in a clean condition; contact Range Operations if unclean conditions are found or clean up costs or cleaning endeavors by proponent could occur to last user. If any assistance or a copy of MCoE Regulation 350-19 or the IONMP noise plan is needed for review, please feel free to contact Ellis Leeder at 706.545.2400 or email ellis.p.leeder.civ@mail.mil or visit the Range Control Website for the updated version of MCoE Regulation 350-19, range guidance and other materials for your range packet. This 144r must be present at the training site when occupying compartment or ranges.

Natural Resources - RCW

None

Michael Barron (706 544 7080), 9/26/2013

EMD Number: 1326910

IJO#

Project Title: zeroing, familiarization firing, close quarters marksmanship and stress shoot events

CWA - Training

Conditions:

Felix Seda (706 545 9879), 10/2/2013

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 (Example Unit/Activity SOP for Training and Deployment) to be used during training exercise to comply with SPCC plan requirements. Ensure all wastewater from field mess equipment/operations particularly those involving oil/grease are collected and dispose properly. Do not discharge any wastewater into storm drains or dispose of oil/grease waste directly into land.

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

Hazardous Materials/Waste

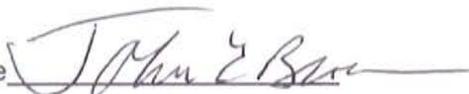
Conditions:

Carlos Ariasochoa (706 545 1857), 9/27/2013

Considerations for Live Fire/Weapons Demonstration

1. Ensure personnel know the correct procedure for handling misfires at the range:
2. 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.
3. Ensure that all containers for collection of patches and swaps are kept closed unless weapons cleaning products are being added.
4. Defective, misfired, or otherwise unserviceable munitions must be managed IAW/MCOE Reg.350-19-5-10, Para 9-2 (Proper management of Misfired munitions). All excess, munitions must be returned to the Ammunition Supply Point after the field exercise is completed. Rubbish, empty containers and other waste (including used smoke/C2 canisters) should be removed from the training area. A dud shall not be removed from the range; it will be marked, called into range control and will be properly disposed of by EOD personnel IAW/MCOE Reg. 350-19, 23 Jul 2010.
5. 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.

Signature



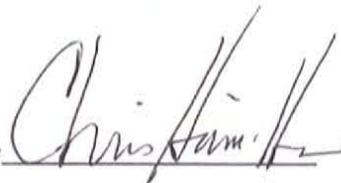
John E Brown

NEPA Program Manager

Date

8 Oct 2013

Signature



Christopher E. Hamilton, PhD

EPMB Chief

Date

8 Oct 13