

EXP DATE 8 Dec 14

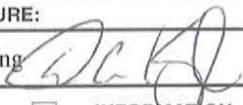
110089mc

TRANSMITTAL, ACTION AND CONTROL

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

1. SGS LOG:	2. IN SGS:	3. OUT SGS:	4. DATE PREPARED:
ES/3129244	3 Dec 13	9 Dec 13	15 October 2013

5. SUBJECT: U S ARMY MARKSMANSHIP UNIT RANGE SAFETY WAIVER, MCANDREWS RANGE

6. ACTION OFFICER/OFFICE SYMBOL/PHONE NUMBER:	7. DIRECTOR'S/COMMANDER'S SIGNATURE:
CPT Ryan A. Calhoun, USAMU/S3, 706-545-3510	Don A. King JR, LTC, SF, Commanding 

<input checked="" type="checkbox"/> SIGNATURE	<input checked="" type="checkbox"/> APPROVAL	<input type="checkbox"/> INFORMATION
<input checked="" type="checkbox"/> SGS <input type="checkbox"/> DCofS <input type="checkbox"/> GC CSM <input type="checkbox"/> USAIS CSM <input type="checkbox"/> USAARMS CSM <input type="checkbox"/> MCoE CSM <input type="checkbox"/> CDID <input type="checkbox"/> GC <input type="checkbox"/> CIG <input checked="" type="checkbox"/> CoS <input type="checkbox"/> SA <input type="checkbox"/> DCG-NG <input type="checkbox"/> Comdt, IN School <input type="checkbox"/> Comdt, AR School <input checked="" type="checkbox"/> CG		

1. PURPOSE: To obtain the MCOE Commanding General's approval for McAndrews Range Safety Waiver.

2. RECOMMENDATION: Commanding General signs the McAndrews Range Safety Waiver.

3. DISCUSSION:

REFERENCE: AR 385-63, Range Safety, 30 JAN 12. DA PAM 385-63, Range Safety, 30 JAN 12. TRADOC Regulation 385-2, TRADOC Safety Program, 6 DEC 11, MCoE Regulation 350-19, Range and Terrain Regulation, MAR 13.

a. McAndrews Range is a Known Distance training range used by the USAMU in which commands are given to control firing on a target point or testing weapons.

b. Risk management factors were considered in the development of the Range Safety Waiver. The residual risk level is marked as low.

c. The above reference (TRADOC REG 385-2) delegates waiver authority to General Officers commanding TRADOC installations to reduce dimensions of SDZ's when terrain, artificial barriers, other barriers or the controlling factors make smaller surface danger zones safe.

d. Enclosures are as follows: USAMU Range Safety Request, CG Range Safety Waiver, Map Depicting SDZ, Risk Management Worksheet.

SIR: Recurring annual waiver. NO ISSUES.  
 Fully staffed & conducted. Recommend  
 Approval  
 v/r Bob

4. THIS DOCUMENT IS AUTHORED BY:

8. COORDINATION/APPROVAL

S:

OFFICE	ACTION	NAME AND DATE	OFFICE	ACTION	NAME AND DATE
Range Div	Concur	Buy S. W 15 Nov 13			
Safety	Concur w/c	A. Edna 22 Nov 13			
DPTMS	CONCUR	R. W. M. 3 Dec 13			
G-3	CONCUR	LTC HILMER 3 Dec 13			
G3XO	Concur	W. Thompson 22 Nov 13			

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

ATAL-SBM-X

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

SUBJECT: Range Safety Waiver for McAndrews Range

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: The portion of the Surface Danger Zone from McAndrews Range that extends across Easley Range, Hibbs Range, Parks Range and Shelton Range. (enclosure 1)
- b. Area #2: The portion of the Surface Danger Zone from McAndrews Range that crosses Sunshine Road and into the Chattahoochee River and into a small portion of the Alabama side of Fort Benning. (enclosure 2)

3. Controlling Factors:

- a. Area #1: There are three primary mitigations: (1) There is a 12-foot berm on both the right and left sides of McAndrews Range; (2) There are berms, trees, and brush between Easley, Hibbs, Parks Range, and Shelton Range; and (3) the type of firing conducted on McAndrews Range, and the height of the berm greatly reduce the likelihood of any rounds fired from McAndrews Range impacting onto Easley, Hibbs, Parks Range, and Shelton Range.
- b. Area #2: The distance to Sunshine Road and other controlling factors just mentioned, as well as the low angles of elevation for firing on McAndrews Range, prevent the rounds from crossing Sunshine Road, the Chattahoochee River and into a small portion of the Alabama side of Fort Benning.

4. Under the provisions mentioned above the following areas are waived: the portion of the Surface Danger Zone from McAndrews Range that extends across Easley Range, Hibbs Range,

ATAL-SBM-X

SUBJECT: Range Safety Waiver for McAndrews Range

Parks Range and Shelton Range and the portion that crosses Sunshine Road, the Chattahoochee River and into a small portion of the Alabama side of Fort Benning.

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.

2 Encls  
as

A handwritten signature in black ink, appearing to read 'H. R. McMaster', with a long horizontal stroke extending to the right.

H. R. MCMASTER  
Major General, USA  
Commanding

Area #1 to Waive

Phillips Range

Shelton Range

92

HIBBS

PARKS

93

Easley Range

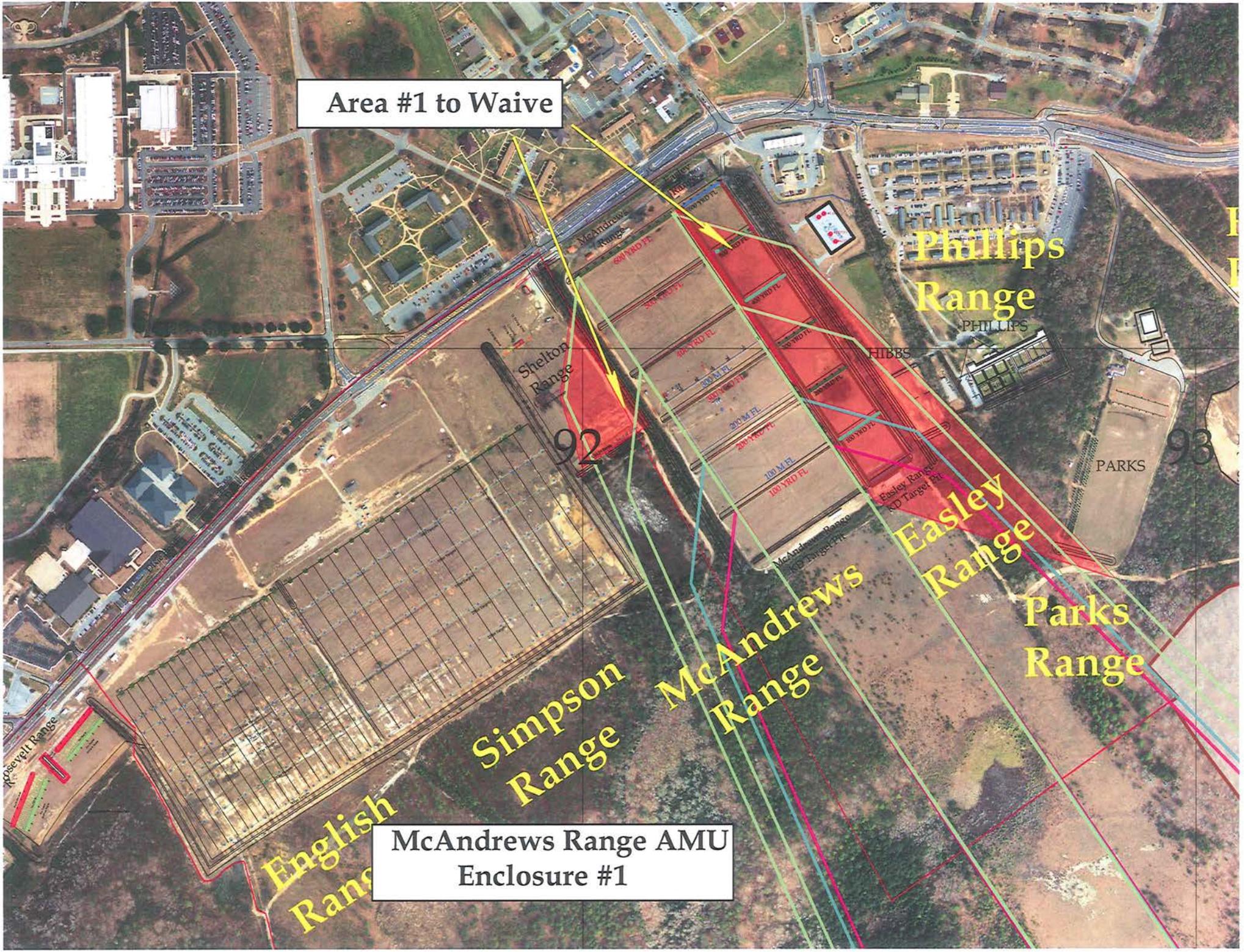
Parks Range

McAndrews Range

Simpson Range

English Range

McAndrews Range AMU Enclosure #1



McANDREWS Range  
Area to Waive

Enclosure 2

McANDREWS Range AMU

CHATTahoochie RIVER

SUNSHINE ROAD

300 Win Mag Vice  
600 Yrd FL

300 Win Mag 100 Yrd FL

300 Win Mag 200 Yrd FL

300 Win Mag 400 Yrd FL

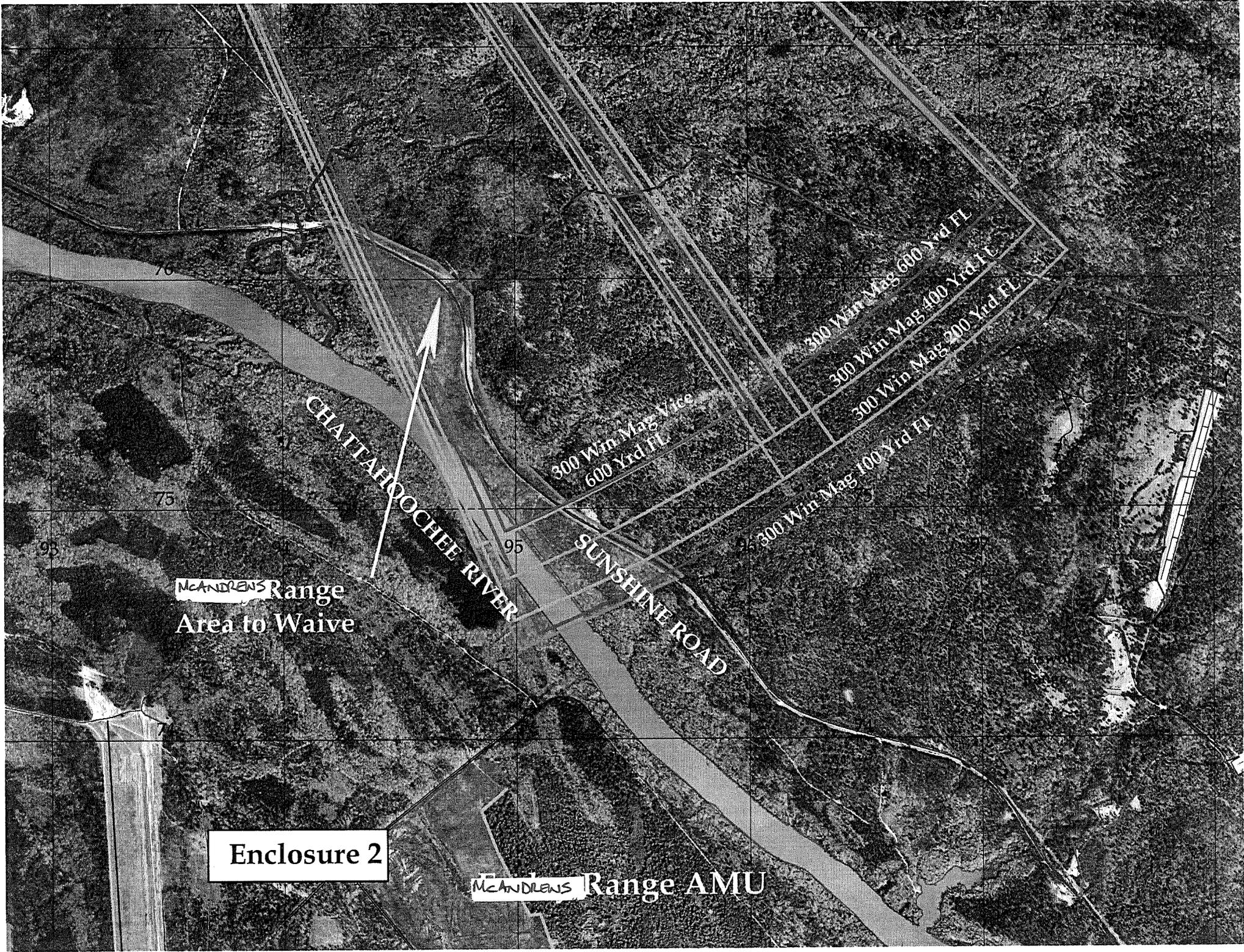
300 Win Mag 600 Yrd FL

76

75

95

95



### COMPOSITE RISK MANAGEMENT WORKSHEET

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

1. MSN/TASK McAndrews Range	2a. DTG BEGIN 25 August 2013	2b. DTG END 24 August 2014	3. DATE PREPARED (YYYYMMDD) 20130819
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4. PREPARED BY		
a. LAST NAME Micholick	b. RANK SFC	c. POSITION Service Rifle PSG

5. SUBTASK	6. HAZARDS	7. INITIAL RISK LEVEL	8. CONTROLS	9. RESIDUAL RISK LEVEL	10. HOW TO IMPLEMENT	11. HOW TO SUPERVISE (WHO)	12. WAS CONTROL EFFECTIVE?
Conduct Small Arms Training, Matches, and Qualifications.	Personnel injury due to accidental discharge of a weapon.	M	Weapons only loaded and unloaded on the firing line. Shooters extensively trained in Weapons and Range Safety. Weapons maintained to high standards. Gunsmiths inspect all weapons.	L	McAndrews Range SOP USAMU SOP MCOE Reg 350-19 AR 385-63 DA Pam 385-63	Range PSG RSO, OIC Line Safety Combat Lifesaver	
Conduct Small Arms Training, Matches, and Qualifications.	Personnel injury due to accidental discharge of a weapon.	M	Range Officer and Range Safety Officer must complete Range Safety Class. Combat Lifesaver and bag on range. Eye and Hearing protection available and must be worn.	L	McAndrews Range SOP USAMU SOP MCOE Reg 350-19 AR 385-63 DA Pam 385-63	Range PSG RSO, OIC Line Safety Combat Lifesaver	
Conduct Small Arms Training, Matches, and Qualifications.	Personnel injury due to accidental discharge of a weapon.	M	Armed Forces Personnel, Civilians, VIP, and Junior Shooters will have Military supervision. Liability Form must be signed prior to shooting. Junior Shooter's consent signed by an adult.	L	McAndrews Range SOP USAMU SOP MCOE Reg 350-19 AR 385-63 DA Pam 385-63	Range PSG RSO, OIC Line Safety Combat Lifesaver	
Conduct Small Arms Training, Matches, and Qualifications.	Unauthorized Personnel are downrange during firing	M	Range opened and closed with Range Control. Range flag and barricades in place during firing. Firing terminated during periods of limited visibility of 50 to 75 meters.	L	McAndrews Range SOP USAMU SOP MCOE Reg 350-19 AR 385-63 DA Pam 385-63	Range PSG RSO, OIC Line Safety Combat Lifesaver	
Conduct Small Arms Training, Matches, and Qualifications.	Unauthorized Personnel are downrange during firing	M	Cease Fire implemented if authorized personnel observed down range. 100% monitoring of the Range Control Radio.	L	McAndrews Range SOP USAMU SOP MCOE Reg 350-19 AR 385-63 DA Pam 385-63	Range PSG RSO, OIC Line Safety Combat Lifesaver	
Daily Risk Management Worksheet	General Range Hazards	M	OIC, RSO, and Safeties will brief on hazards listed on the Daily Risk Assessment Worksheet.	L	McAndrews Range SOP USAMU SOP MCOE Reg 350-19 AR 385-63 DA Pam 385-63	Range PSG RSO, OIC Line Safety Combat Lifesaver	

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 King	b. RANK LTC	c. DUTY POSITION USAMU Commander	d. SIGNATURE <b>KING.DON.ALEX.JR.1026262889</b>



# RECORD OF ENVIRONMENTAL CONSIDERATION (REC)



Date Submitted: 8/19/2013

EMD Number: 1323109

Project#: Unknown

Project Title: USAMU Ranges and Training Areas

Description of proposed action:

Personnel will train and compete by firing live fire ammunition at ranges of 7-1000 yards into known and unknown distances into the impact areas.

Project Location:

Easley, McAndrews, Shelton, Phillips, Parks, Hook Range Complex, Pool Range Complex, Maertens, Krilling, Wagner, Malone 5, Malone 12, Malone 18

Amount, Description, Location of Disturbance/Digging:

None

Number of Personnel:

200

Type of Ammunition:

22-.50 CAL Live

Number/Types of Trees:

None

Size of Project Area:

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

Proponent: Michael Buss

545-7174

Organization/Unit: USAMU

Number/Types of Vehicles:

Number of vehicles:100

Types of vehicles: GOV/POV

Yes-Vehicles will be going off road.

What type of vehicles will be going off road: ALL

.....  
**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."**  
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## **REC APPROVED THROUGH 30 SEPTEMBER, 2014**

Noise

Conditions:

Ellis Leeder (706 545 2400), 8/20/2013

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.

Hazardous Materials/Waste

Conditions:

Ted Williams (706 545 7579), 8/19/2013

Ensure personnel know the correct procedure for handling misfires at the range:

- 1. 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.

- 2. Ensure that all containers for collection of patches and swaps are kept closed unless weapons cleaning products are being added. Contact EPMB for detailed information on the proper disposal of waste products resulting from the training.

CWA - Training

Conditions:

Jessica Taylor (706 604 4572), 8/19/2013

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.

Natural Resources - RCW

None

Michael Barron (706 544 7080), 8/19/2013

Signature John E Brown

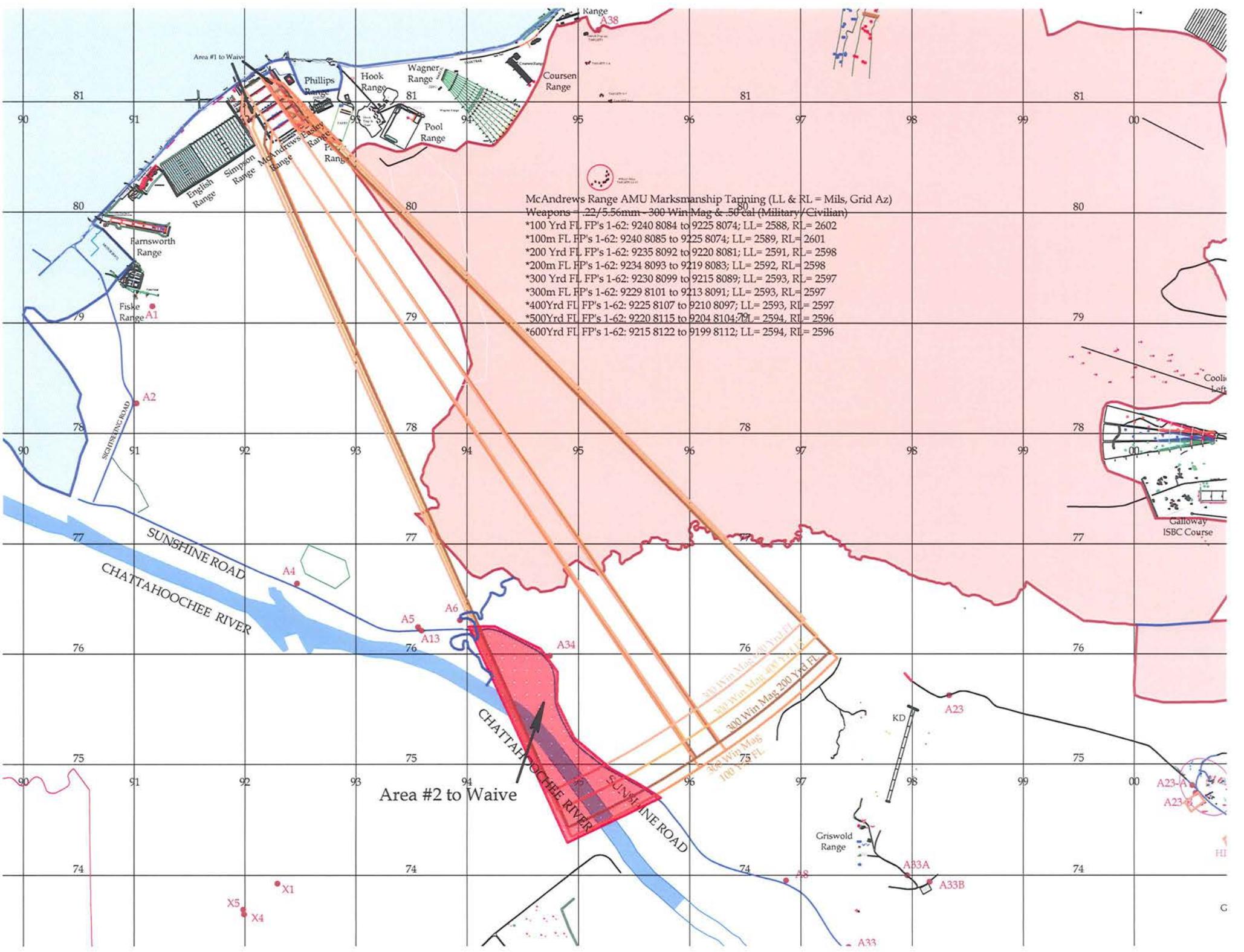
John E Brown  
NEPA Program Manager

Date 20 AUG 2013

Signature Chris Hamilton

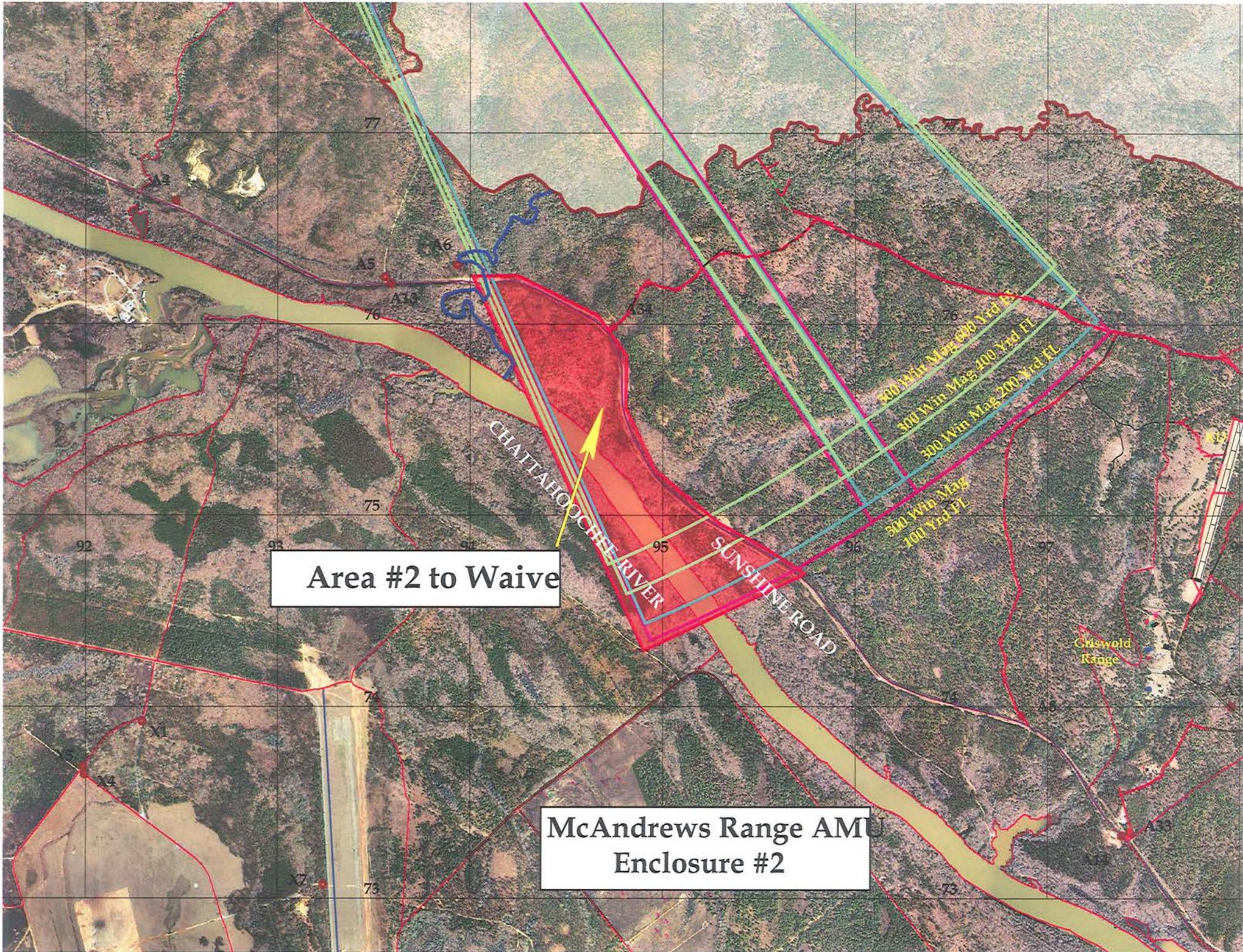
Christopher E. Hamilton, PhD  
EPMB Chief

Date 21 Aug 13



McAndrews Range AMU Marksmanship Training (LL & RL = Mils, Grid Az)  
 Weapons - .22/5.56mm - 300 Win Mag & .50 cal (Military/Civilian)  
 \*100 Yrd FL FP's 1-62: 9240 8084 to 9225 8074; LL= 2588, RL= 2602  
 \*100m FL FP's 1-62: 9240 8085 to 9225 8074; LL= 2589, RL= 2601  
 \*200 Yrd FL FP's 1-62: 9235 8092 to 9220 8081; LL= 2591, RL= 2598  
 \*200m FL FP's 1-62: 9234 8093 to 9219 8083; LL= 2592, RL= 2598  
 \*300 Yrd FL FP's 1-62: 9230 8099 to 9215 8089; LL= 2593, RL= 2597  
 \*300m FL FP's 1-62: 9229 8101 to 9213 8091; LL= 2593, RL= 2597  
 \*400 Yrd FL FP's 1-62: 9225 8107 to 9210 8097; LL= 2593, RL= 2597  
 \*500 Yrd FL FP's 1-62: 9220 8115 to 9204 8104; LL= 2594, RL= 2596  
 \*600 Yrd FL FP's 1-62: 9215 8122 to 9199 8112; LL= 2594, RL= 2596

Area #2 to Waive



Area #2 to Waive

McAndrews Range AMU  
Enclosure #2

300 Win Mag 600 Yrd FL  
300 Win Mag 400 Yrd FL  
300 Win Mag 200 Yrd FL

CHATTAHOOCHEE RIVER

SUNSHINE ROAD

Glenwood Range



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

20 November 2013

MEMORANDUM FOR Commander, USAMU, Attn: CPT Ryan Calhoun, Fort Benning, GA  
31905

SUBJECT: USAMU McAndrew Range Deviation and Safety Review

1. References.

- a. USAMU McAndrew Range Waiver.
- b. Army Regulation 385-63, Range Safety, 19 May 2003
- c. Field Manual 5-19, Composite Risk Management, August 2006
- d. Army Regulation 190-11, Physical Security of Arms, Ammunition, and Explosives, 15 November 2006
- e. Army Regulation 385-10, The Army Safety Program, 24 August 2007
- f. Department of the Army Pamphlet 385-10, Army Safety Program, RAR 19 January 2010
- g. Department of the Army Pamphlet 385-30, Mishap Risk Management, RAR 01 February 2010
- h. Department of the Army Pamphlet 385-64, Ammunition and Explosives Safety Standards, 24 May 2011
- i. MCoE Regulation 350-19, Range and Terrain Regulation, 23 July 2010

2. Document received on 19 November 2013.

3. Concur w/comment.

*RS* a. CRMW, Blocks 7 & 9, pg. 1. "Personnel injury due to accidental discharge of a weapon", recommend that you elevate the Initial and Residual risks to "HIGH" and "MODERATE". The introduction of a foreign object (72 – 250 grains) at supersonic speeds (1200 – 3900 fps) can be catastrophic to the human body.

ATZB-SO

SUBJECT: USAMU McAndrews Range Deviation and Safety Review

*RR*

b. CRMW, Blocks 7 & 9, pg. 2. "Injury due to extreme Heat/Cold, Foul Weather Lightning", recommend that you elevate the Initial and Residual risks to "HIGH" and "MODERATE". Due to the geographic location of Fort Benning, humidity, and the number of heat illness we experience annually the risk should be elevated.

*RR*

c. CRMW, Block 13, pg. 1. The overall risk level is elevated to MODERATE, if the above recommendations are implemented.

*RR*

d. CG Letter, paragraph 5. The overall risk level is elevated to MODERATE, if the above recommendations are implemented.

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)

Encl

*Jill E. Carlson*  
for JILL E. CARLSON  
Director, MCoE/USAG Safety