

PARKS (AMU)

EXP 17 FEB 2015 10129M

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 14129824	11 Feb 14	18 Feb 14	5 February 2014

5. SUBJECT: U S ARMY MARKSMANSHIP UNIT RANGE SAFETY WAIVER, PARKS 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 <i>[Signature]</i>

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

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

2. RECOMMENDATION: Commanding General signs the Parks 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. Parks 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: CG Range Safety Waiver, Map Depicting SDZ, Risk Management Worksheet.

Signature: Recommend approve. Annual renewal. Supports AMU training and competition. No issues

1/2 Bob Brown

4. THIS DOCUMENT IS AUTHORED BY:

8. COORDINATION/APPROVAL

OFFICE	ACTION	NAME AND DATE	OFFICE	ACTION	NAME AND DATE
Range Div	Concur	B. Turner 6 FEB 14	CS	CONCUR	GC Holmes 2/11/14
Safety	Concur	A. Edens 10 FEB 14			
DPTMS	Concur	Robertson 2/11/14			
G-3 XO	Concur	W. Keenan 11 FEB 14			
DPTMS XO	Concur	(Signature) 11 Feb 14			

STAFF REMARKS: (Command Group Use Only)

Returns to DPTMS

APPROVAL AUTHORITY

APPROVED: *[Signature]*

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

18 FEB 2014

IMBE-PLT-R

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

SUBJECT: Range Safety Waiver for Parks 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 for the Test Bay and Demonstration Area that extends across Sightseeing Road, Sunshine Road, the Chattahoochee River, and into the Alabama portion of the installation (enclosure 2).
- b. Area #2: The use of the M855A1 round on Parks Range the surface danger zone that covers the down range portion of Phillips, Hibbs, Easley and McAndrews Ranges (enclosure 1).
- c. The use of USAMU facilities by Military Disabled, Non-DoD Disabled Civilians or Paralympics Competitors during organized marksmanship events.

3. Controlling Factors:

- a. Area #1: The berm on Parks Range is approximately 10 ft. high and 16 meters wide with heavily forested terrain directly behind it. All firing from the Parks Range Test Bay Area is from a fixed vice position to a fixed target. The Demonstration Area firing will be conducted under USAMU controlled supervision. Prior to any firing, all personnel will observe right/left limits, safety briefings, overall range layout, and target areas. The Demonstration area as well as the All-Army area will not be fired concurrent with the Test Bay. The combination of the controlling

IMBE-PLT-R

SUBJECT: Range Safety Waiver for Parks Range

factors and the distance to Sightseeing Road, Sunshine Road, and the Chattahoochee River as well as the low angles of elevation for firing reduces the probability of any rounds extending beyond Sightseeing Road, Sunshine Road, the Chattahoochee River, and into the Alabama portion of the installation.

b. Area # 2: The M855A1 round will only be shot from a fixed base of fire into a trap. There is a dirt berm between Parks, Phillips, Hibbs, Easley and McAndrews Ranges as well as heavily forested terrain that help prevent ricochets from reaching these areas. The combination of the controlling factors and the distance to Sightseeing Road, Sunshine Road, and the Chattahoochee River as well as the low angles of elevation for firing reduces the probability of any rounds extending beyond Sightseeing Road, Sunshine Road, the Chattahoochee River, and into the Alabama portion of the installation.

c. Military Disabled, Non-DoD Disabled Civilians, or Paralympics Competitors will be under the direct supervision of the caregiver, USAMU personnel, or certified range safety personnel while maintaining a safe operation and orientation of the firearm.

4. Under the provisions and controlling factors specified in this memorandum, areas listed in item #2 above are waived.

5. Risk management factors for this waiver are integrated in the unit's Risk Management Work Sheet. The residual risk level is marked LOW.

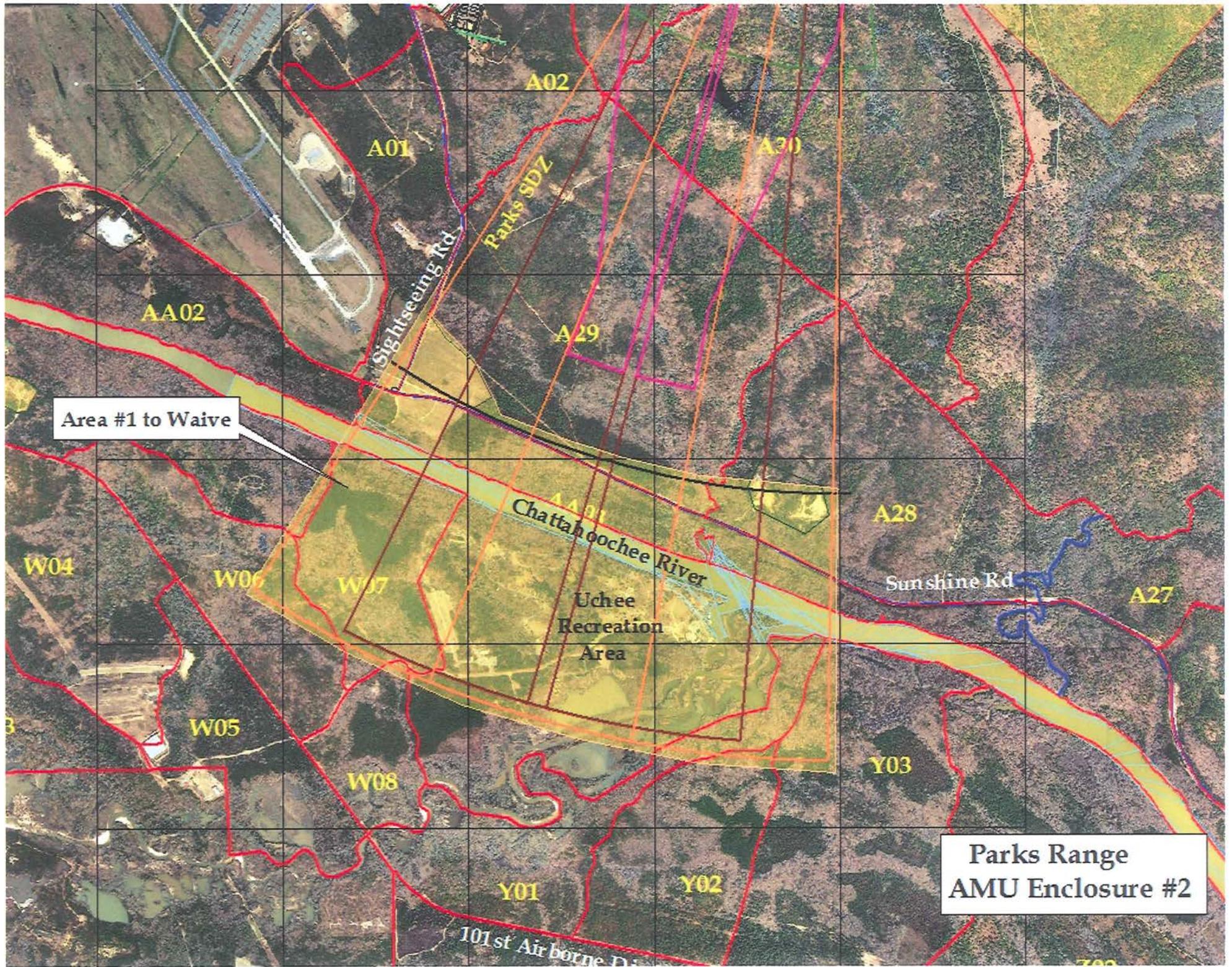
6. This waiver is valid for the period of one year (12 months) from the date of this memorandum when used in conjunction with live fire range scenario and risk management worksheet. In the event of an accident arising from the use of the waived condition, this waiver becomes invalid until reinstated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

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

2 Encls



H. R. MCMASTER
Major General, USA
Commanding



Area #1 to Waive

Parks Range
AMU Enclosure #2

WA
RA

Phillips
Range

Easley
Range
Hibbs
Range

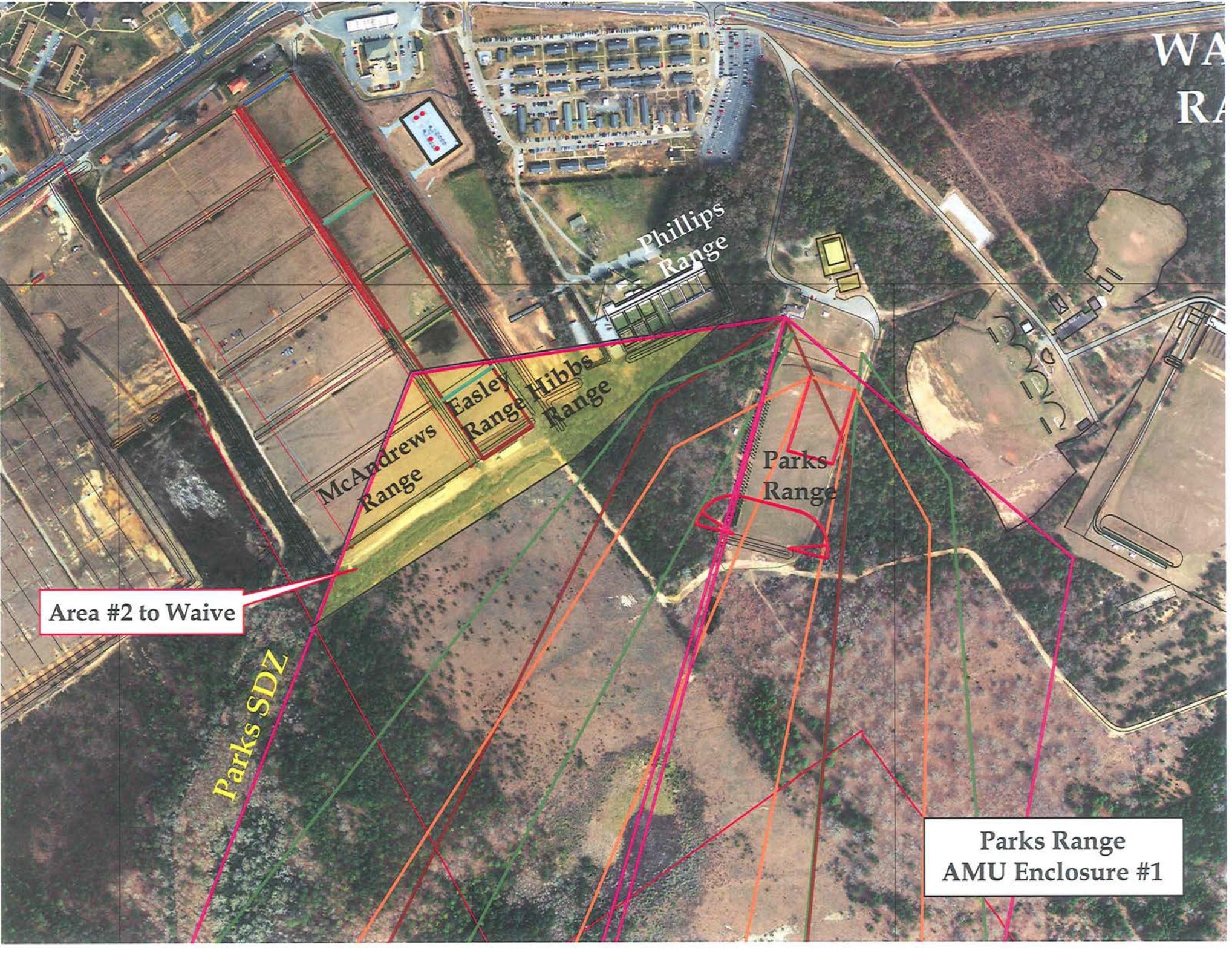
McAndrews
Range

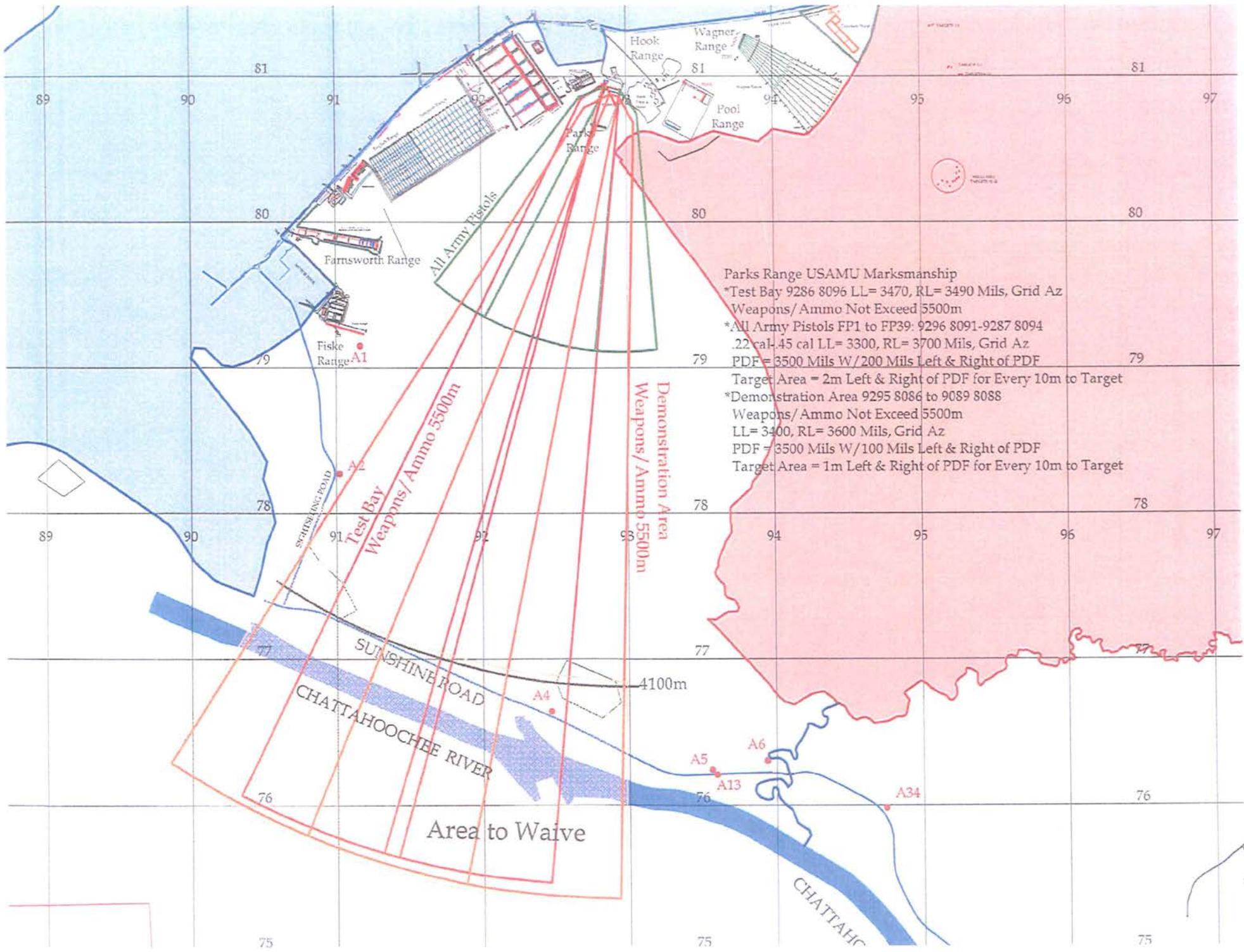
Parks
Range

Area #2 to Waive

Parks SDZ

Parks Range
AMU Enclosure #1





Parks Range USAMU Marksmanship
 *Test Bay 9286 8096 LL= 3470, RL= 3490 Mils, Grid Az
 Weapons/ Ammo Not Exceed 5500m
 *All Army Pistols FP1 to FP39: 9296 8091-9287 8094
 .22 cal-.45 cal LL= 3300, RL= 3700 Mils, Grid Az
 PDF = 3500 Mils W/200 Mils Left & Right of PDF
 Target Area = 2m Left & Right of PDF for Every 10m to Target
 *Demonstration Area 9295 8086 to 9089 8088
 Weapons/ Ammo Not Exceed 5500m
 LL= 3400, RL= 3600 Mils, Grid Az
 PDF = 3500 Mils W/100 Mils Left & Right of PDF
 Target Area = 1m Left & Right of PDF for Every 10m to Target

75

75

75

COMPOSITE RISK MANAGEMENT WORKSHEET

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

1. MSN/TASK WEAPONS TESTING / PARKS RANGE	2a. DTG BEGIN 20130601	2b. DTG END 20140531	3. DATE PREPARED (YYYYMMDD) 20130520
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4. PREPARED BY		
a. LAST NAME Kennedy	b. RANK SSG	c. POSITION USAMU NCOIC, CUSTOM FIREARMS SHOP

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 testing and training	Personnel injury due to accidental discharge of a firearm	M	Weapons loaded and unloaded on firing line or in test area. Tested weapons mounted in test fixture to fire into impact area only. Only qualified personnel may handle weapons.	L	IAW: CFS Range SOP USAMU SOP MCOE Reg 350-19 AR 385-63 DA Pam 385-63	Range NCOIC WPN testers RSO Combat Lifesavers	
	Unauthorized personnel are downrange during firing.	M	Range open and closed through Range Control. Range flags and barricades in place while firing. 100% monitoring of range radio at all times.	L	IAW: CFS Range SOP USAMU SOP MCOE Reg 350-19 AR 385-63 DA Pam 385-63	Range NCOIC WPN testers RSO Combat Lifesavers	
Daily Risk Management worksheets	General range hazards	M	Range NCOIC, RSO and WPN testers will brief on hazards listed on the Daily Risk Assessment.	L	IAW: CFS Range SOP USAMU SOP MCOE Reg 350-19 AR 385-63 DA Pam 385-63	Range NCOIC WPN testers RSO Combat Lifesavers	
Conduct small arms testing and training	Range or general situational awareness	M	Read/Review the Risk assesment and brief all personnel. Ensure that all SOP/regulations are followed, all safety equipment is used and all personnel are trained and qualified.	L	IAW: CFS Range SOP USAMU SOP MCOE Reg 350-19 AR 385-63 DA Pam 385-63	Range NCOIC WPN testers RSO Combat Lifesavers	
Conduct small arms testing and training	Hearing/Sight Loss	M	All personnel on the range are required to wear hearing and eye protection during firing.	L	IAW: CFS Range SOP USAMU SOP MCOE Reg 350-19 AR 385-63 DA Pam 385-63	Range NCOIC WPN testers RSO Combat Lifesavers	
Small arms testing with foul weather or lightning	Personnel injury caused by extreme heat, cold, or lightning	M	Testing will be done indoors under climate controlled conditions. Training will cease during foul weather or lightning.	L	IAW: CFS Range SOP USAMU SOP MCOE Reg 350-19 AR 385-63 DA Pam 385-63	Range NCOIC WPN testers RSO Combat Lifesavers	

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 KING.DON.ALEX.JR.1026262889

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?
	Insect and reptile Bites	M	Safety brief will cover insects and animals on the range. Allergic personnel will have bite kit on hand.	L	IAW: CFS Range SOP USAMU SOP MCOE Reg 350-19 AR 385-63 DA Pam 385-63	Range NCOIC WPN testers RSO Combat Lifesavers	
	Minor body injury, cuts and falls	M	Brief personnel on tripping hazards: rocks, branches, fallen trees, and creek beds.	L	IAW: CFS Range SOP USAMU SOP MCOE Reg 350-19 AR 385-63 DA Pam 385-63	Range NCOIC WPN testers RSO Combat Lifesavers	
Weapon Cleaning	Cleaning solvents are Flammable	M	No smoking in or near facilities, cleaning done in ventilated area, empty containers disposed of IAW Hazmat regs. Fire Extinguishers will be on hand and servicable.	L	IAW: CFS Range SOP USAMU SOP MCOE Reg 350-19 AR 385-63 DA Pam 385-63	Range NCOIC WPN testers RSO Combat Lifesavers	



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

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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.

EMD Number: 1323109

IJO#

Project Title: USAMU Ranges and Training Areas

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.

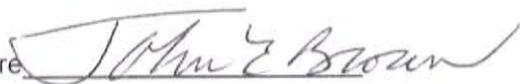
General ISCP Requirements: In the event of a spill/discharge -- notify Range Control by radio or call 544-6291, and they will notify E-911 for Fire Department/HAZMAT Team assistance and/or notification of the EMD office (Spill Beeper 706-317-6584). As appropriate, and if personnel are trained -- REACT 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

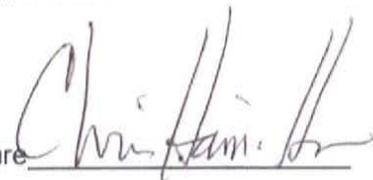


John E Brown
NEPA Program Manager

Date

20 AUG 2013

Signature



Christopher E. Hamilton, PhD
EPMB Chief

Date

21 Aug 13



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
HEADQUARTERS UNITED STATES ARMY MARKSMANSHIP UNIT
7031 BILLS STREET
FORT BENNING, GEORGIA 31905-5810

ATAL-SBM-C

11 February 2013

MEMORANDUM FOR RECORD

SUBJECT: Standard Operating Procedures for Use of Steel Targets during USAMU Live-fire Training/Competitions

1. USAMU is a strategic enabler of U.S. Army Accessions Command. Its first mission essential task is to support Army recruiting and accessions in an effort to connect America's people to America's Army. To this end, the Unit frequently conducts demonstrations, clinics, and competitions that routinely involve civilian participation. This civilian or non-military participation includes juniors, JROTC cadets, college students, ROTC cadets, MCoE visitors attending official events, DoD employees, non-military organizations, and organized clubs. USAMU's second mission essential task is to support the Warfighter, therefore Soldiers, other Armed Forces Services, Foreign Services, and USAMU Personnel coordinate for use of Krilling Range for training and Soldier Rifle/Pistol qualifications.
2. The U.S. Army Marksmanship Unit has used steel targets since 1992 and has not had a serious incident on any ranges due to steel target ricochet accidents. As stated in Army Field Manuals, Army Safety Regulations, Department of the Army Pamphlets, Memorandums, and Documents that support proper safety techniques, Army marksmanship will always be hazardous. The awareness of the inherent risks allows the USAMU to develop and implement control measures. The use of steel targets is just one more factor to be included in the risk management program. USAMU has taken precautions to ensure proper uses of all steel targets are enforced.
3. The OIC/RSO ensures the target positioning in which the steel will be oriented with a 20 degree forward cant to reduce ricochet and will not violate the Left and Right limits. The OIC/RSO will also ensure targets will be positioned at the base of the berm to avoid civilian and military from shooting over the top of the berm compartment. Civilian and military will engage targets from a safe distance in IAW the limitations described in this USAMU SOP for use of Steel Targets and the Fort Benning Form 350-19-1-E-R scenario that is used in conjunction with the Range Waiver.
4. Below are some examples of training and competition where the use of steel targets is incorporated into our mission. The following is a partial list:

ATFAL-SBM-C

SUBJECT: Standard Operating Procedures for Use of Steel Targets during USAMU Live-fire Training/Competitions

a. Steel targets are an integral part of USAMU shooting sports course design. If we do not have steel targets to train on we will not be able to compete and win.

b. Utilizing steel targets for our training allows shooters to dedicate all available training time to shooting instead of moving down range and repairing paper targets.

c. Steel targets are more economical than paper targets and electronic targets, as they need only paint and minimal care to remain serviceable for many years.

d. Steel targets are a very important part of Train the Trainer Courses. Steel targets allow students to get visual and audio logical feedback, as well as see shot groups and coach down range performance without leaving the shooting position.

5. The following are some of the controls placed on the use of steel targets:

a. Pistol

(1) Never closer than 7 yards with reactive or downward angled steel.

(2) Never closer than 12 yards on Static steel.

(3) Never on rifle steel.

(4) Steel will be oriented so that it presents an angle of less than 24 degrees to the shooter.

b. Rifle/Automatic Weapons

(1) Never closer than 12 yards with reactive or downward angled steel.

(2) Never closer than 25 yards for static steel.

(3) Never use steel core or penetrator rounds other than M855 ball.

(4) Never use M855 ball closer than 100 yards.

(5) Steel will be oriented so that it presents an angle of less than 24 degrees to the shooter.

(6) Frangible ammo may be shot as close as 1 yard.

(7) No calibers greater than 7.62x51mm inside of 100 yards without frangible ammo.

c. Shotgun

ATAL-SBM-C

SUBJECT: Standard Operating Procedures for Use of Steel Targets during USAMU Live-fire Training/Competitions

- (1) Never closer than 7 yards on any steel.
 - (2) Frangible shot may be used as close as 1 yard.
 - (3) No slugs, steel shot or breaching round.
6. Once steel targets are used with rifle, it will remain for rifle plates. Firing pistol ammo on rifle steel will result in excessive fragmenting of bullets on impact.
7. General safety requirements remain the same. The use of steel targets are included in the range Risk Management Worksheet, Range SOP, and Range Safety Briefings. If there is steel in any array, Wrap Around Eye Protection and Ear Protection is required for: Civilian and military for USAMU hosted events. During Training Events: Kevlar and IBA are added along with Eye and Ear Protection.
8. There will always be some amount of fragments from shooting steel targets. Once rounds impact a piece of steel the path of fragments cannot be guaranteed. By using these guidelines the risk of fragmentation to shooter will be significantly reduced, and any fragments that do will not be capable of serious injury.
9. All use of steel targets are requested from USAMU and approved by the Commanding General of Fort Benning under each USAMU range Safety Waiver.
10. Point of Contact for this memorandum is CPT Ryan A. Calhoon, USAMU S-3 OIC, 706-545-3510, or email ryan.calhoon@usaac.army.mil.



DON A. KING JR
LTC, SF
Commanding