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:** 27 FEB 2013 Log 12-1-12 **Range:** HOOK RANGE COMPLEX/ ASE **Title:** MARKSMANSHIP TRAINING **Problem No:**
THRU: USAMU S3 OPERATIONS	**FROM:** USAMU SHOTGUN SECTION

SECTION I, TYPE OF TRAINING

☑ a. Live Fire ☐ b. Non-live Fire CP/Controller Coordinates:

SECTION II, DEMOLITIONS/GRENADES/MINES/PYROTECHNICS

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

SECTION III, WEAPONS/AMMUNITION REQUESTED

Coordinates of Weapons Position	Type Weapon/Model Number	Type Ammunition	Left Limit	Right Limit
ATTACHMENT #1	ATTACHMENT #1	ATTACHMENT #1	ATTACHMENT #1	ATTACHMENT #1

SECTION IV, LIVE FIRE EXERCISES Attach the following:

- ☑ **Scenario of training to be conducted:**
- ☑ **Sketch of area:**
- ☑ **Risk Assessment:**
- ☐ **Attach FB Form 350-19-2-E-R if Mortar or artillery is being fired:**

SECTION V, NON-LIVE FIRE TRAINING

Training area(s) to be occupied:

- ☐ **Scenario of training to be conducted:**
- ☐ **Sketch of area(s) to be occupied:**
- ☐ **Risk Assessment:**

Name/rank of requesting officer: MICHAEL J. BUSS, S-3 RANGE NCOIC	Name/rank of Major Unit S3/Commander: SPT IN RYAN A. CALHOON, CPT, HHD CDR/S3

SECTION VI, FOR RANGE DIVISION USE **DATE:** 8 MAR 13

TO: USAMU S-3 Operations	**FROM:** **Range Division,** **Directorate of Plans, Training,** **Mobilization and Security** **Fort Benning, GA 31905**

a. Roadblocks to be closed: A: 1-5,

b. Road(s) to be closed/road barrier locations:

c. Remarks:

d. This approval expires: Indef

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

DEPARTMENT OF THE ARMY
HEADQUARTERS, US ARMY MARKSMANSHIP UNIT
7031 BILLS STREET
FORT BENNING, GEORGIA 31905-3103

REPLY TO
ATTENTION OF

ATAL-SBM-C

27 February 2013

MEMORANDUM THRU: Chief, Range Operations, Directorate of Plans, Training & Mobilization

FOR: USAMU, Action Shooting Section

SUBJECT: Army Strong Experience Hook Range Scenario

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.

2. Hook Range is a Known Distance Range primarily used for Marksmanship Training, Familiarization, and Competition. Pistols will be used on Hook Range to accomplish this event. The sequence of events for this event will include a ready line and a firing line. Participants will be held behind the wooden fence that limits access to the range, until it is their time to fire. At that time they will be called forward to the firing line where a USAMU Soldier will be waiting for them with a pistol and ammunition. Once on the firing line, each participant will be given a short safety brief, and how to handle the weapon system safely. When given the command from the point safety, each person will load the weapon and engage the steel targets that are in their lane. Upon the completion of firing, each weapon will be cleared by the lane safety and placed back on the line. The Participant will then be instructed to move back behind the ready line in order to allow the next person in line to move forward.

CONTROLLING FACTORS: Civilian and military personnel fire under controlled conditions at all times. During training, a line official gives all firing commands from the center of the firing line. Civilian and military personnel will shoot from a standing position as well as being told when to load and when to observe their target and will fire when told to do so. Each civilian and military personnel fire their appropriate course of fire, then a designated signal is sounded to mark when to stop firing. Line safety's will clear the firing line and make note of any saved rounds. Each participant will then move back behind the ready line in order for the next participant to move forward to the firing line. Before training, the NCOIC or his representative is responsible to designate the line safety that will clear weapons after each phase of firing is complete. During the firing phase it is the range safety's responsibility to ensure the range is safe until completion of that phase of fire and all weapons are cleared.

3. Safety: The following safety considerations will be maintained and followed at all times.

a. **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.

b. **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:

(1) Designation of unit.
(2) Range and location
(3) Type of weapon involved.
(4) Type of ammunition involved.
(5) Brief summary of what happened.
(6) Personnel injuries and extent.
(7) Full Name, SS#, Rank and unit of injured personnel.
(8) Extent of property damage.
(9) Intentions regarding an AR 15-6 investigation.

c. **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 USAIC 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.

d. **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.

4. POC for this action is CPT Ryan A. Calhoon, USAMU S-3 OIC, 706-545-3510 or ryan.calhoon@usaac.army.mil.

DON A. KING JR
LTC, SF
Commanding

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

REPLY TO
ATTENTION OF

ATAL-SBM-C

27 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 USAMU Ranges 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 wil 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 senario 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:

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

(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

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

07 March 2013

MEMORANDUM FOR Commander, U.S. Army Marksmanship Unit, Attn: CPT Ryan Calhoon, Fort Benning, GA 31905

SUBJECT: USAMU Annual Hook Range Safety Review and Range Risk Management Worksheet Review

1. References.

a. USAMU Annual Hook Range packet.

b. Army Regulation 385-10, The Army Safety Program, 24 August 2007

c. Army Regulation 385-63, Range Safety, 30 Jan 12

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, 30 Jun 12

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 September 2012

2. Document received on 05 March 2013.

3. Concur w/comment.

a. Engagement of Reactive Steel Targets (RST) targets is a METL task, which support the Olympic and International shooting competitions.

b. The scheduled 2013 USAMU Reactive Steel target events which support their METL are:

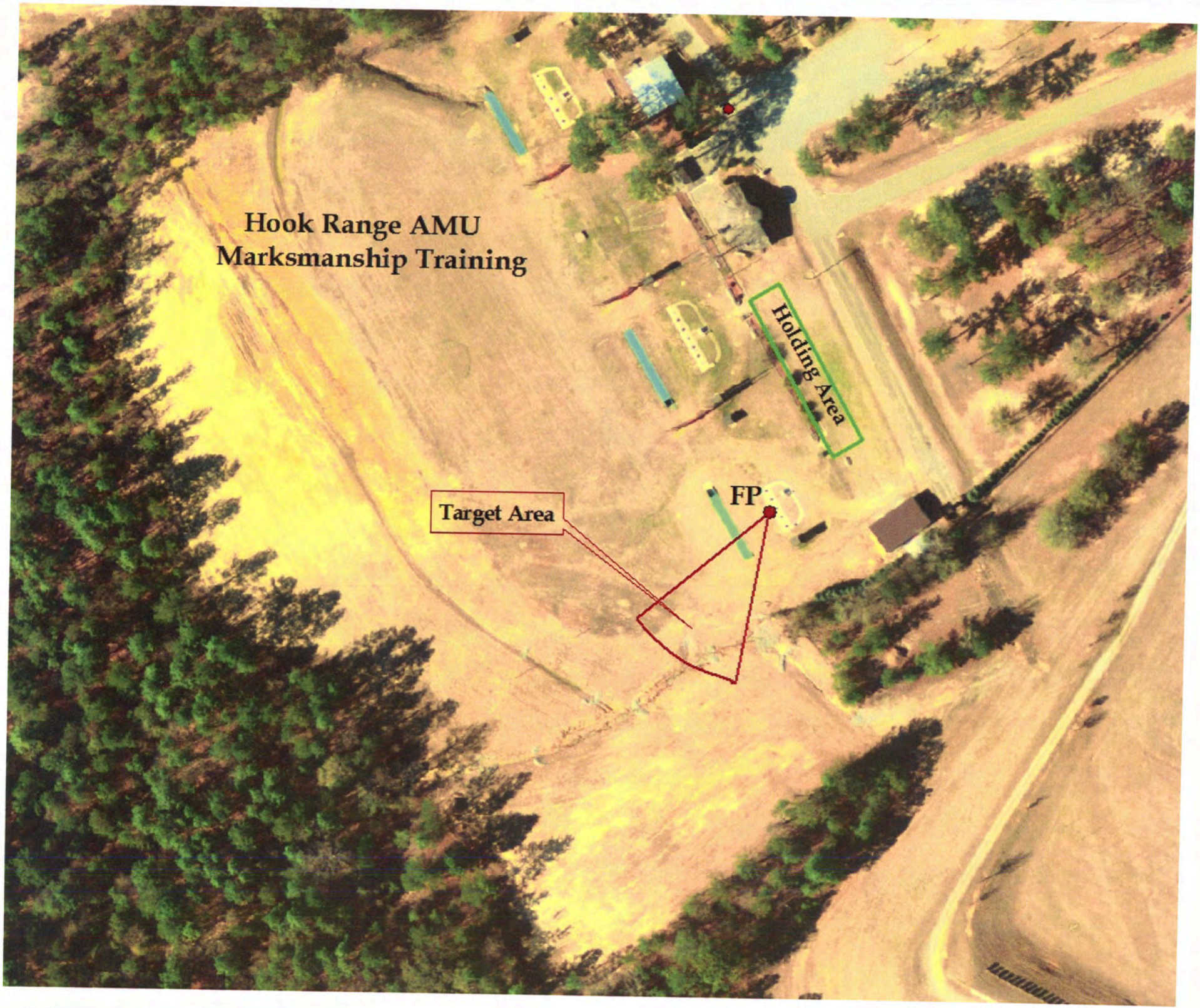
(1) 02-07 Jan Mammoth Sniper challenge
(2) 14-18 Jan 3 Gun Nation Championship
(3) 06-08 Feb US Army Small Arms Championship, Combined Arms Phase (FBGA)
(4) 07-11 Feb 3 Gun Nation Pro Series Qualification
(5) 03-14 Feb AF PAK Hands Defensive Pistol Training
(6) 11-15, 18-22 Feb 75th RGR RRC OTC CQM/SDM
(7) 25 Feb-8 Mar SDM 13-2
(8) 08-17 Mar Army Strong Collegiate Shooting Championships (Scholastic Steel Challenge and Scholastic Pistol Program)
(9) 10-25 Mar USASOC Sniper Course Development
(10) 15-17 Mar Alabama State Sectionals USPSA
(11) 18-25 Mar CQM 13-2
(12) 21-23 AF Pak Hands defensive Pistol Training
(13) 30 Mar-01 Apr AF Pak Hands defensive Pistol Training
(14) 10-15 Apr 3 Gun Nation Qualifier #1
(15) 15-26 Apr SDM 13-3
(16) 18-22 Apr Area 6 USPSA
(17) 22-29 Apr USPSA 3 Gun Nationals
(18) 30 Apr-02 May 3-47 IN SDM
(19) 06-17 May 3/75 Pistol Training
(20) 06-17 May CQM 13-3
(21) 15-20 May 3 gun Nation Qualifier #2
(22) 19-24 Jun 3 Gun Nation Qualifier #3
(23) 12-16 Jul Pistol Pro Am
(24) 31 Jul - 05 Aug Area 3 USPSA
(25) 03-09 Sep 3 Gun Nation Qualifier #4
(26) 25-27 OCT USAMU 6th Annual Action Shooting Junior clinic

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

Encl

JILL E. CARLSON
Director, MCoE/USAG Safety

Hook Range AMU Marksmanship Training (Log #12-01-12) Weapon/Ammunition List , 5 March 2013				
Firing Positions	**Weapons**	**Ammunition**	**Left Limit, Degs Grid Azimuth**	**Right limit, Degs Grid Azimuth**
FP: FA 9321 8082	Pistols	9mm Ball, .45 cal Ball	190	230


Hook Range AMU
Marksmanship Training
Holding Area
FP
Target Area

Hook Range AMU Marksmanship Training (Log #12-01-12) Roadblock List , 12 JAN 2012

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
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	Cable
A-44	FA 986 823	Across fire break 100m E. of the 25m flat	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

COMPOSITE RISK MANAGEMENT WORKSHEET

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

1. MSN/TASK	2a. DTG BEGIN	2b. DTG END	3. DATE PREPARED (YYYYMMDD)
ARMY STRONG Experience, Hook Range	14 March 2013	15 March 2013	20130123

4. PREPARED BY

a. LAST NAME	b. RANK	c. POSITION
BAXTER, DAMON	SFC	USAMU NCOIC Shotgun Shooting Section

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 Shooting Clinic for Civilians, Juniors, and Military	Personnel injury due to accidental discharge of a weapon.	H	Weapons only loaded and unloaded on the firing line. Shooters trained in Weapons and Range Safety. Weapons maintained to high standards. Gunsmiths inspect all weapons.	M	IAW: Hook Range SOP USAMU SOP MCOE Reg 350-19 AR 385-63 DA Pam 385-63	Range PSG RSO, OIC Line Safety Combat Lifesaver	
Conduct Shooting Clinic for Civilians, Juniors, and Military			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.		IAW: Hook Range SOP USAMU SOP MCOE Reg 350-19 AR 385-63 DA Pam 385-63	Range PSG RSO, OIC Line Safety Combat Lifesaver	
Conduct Shooting Clinic for Civilians, Juniors, and Military			All Shooters including civilian and Jr. competitors will have Military supervision. Liability Form will be signed prior to shooting by an adult or guardian.		IAW: Hook Range SOP USAMU SOP MCOE Reg 350-19 AR 385-63 DA Pam 385-63	Range PSG RSO, OIC Line Safety Combat Lifesaver	
Conduct Shooting Clinic for Civilians, Juniors, and Military	Unauthorized Personnel are downrange during firing	M	Range opened and closed with Range Control, Range flag, and barricades in place during firing.	L	IAW: Hook Range SOP USAMU SOP MCOE Reg 350-19 AR 385-63 DA Pam 385-63	Range PSG RSO, OIC Line Safety Combat Lifesaver	
Conduct Shooting Clinic for Civilians, Juniors, and Military			Cease Fire implemented if unauthorized personnel observed down range. 100% monitoring of the Range Control Radio.		IAW: Hook 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	IAW: Hook 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)*

☐ LOW ☑ MODERATE ☐ HIGH ☐ EXTREMELY HIGH

14. RISK DECISION AUTHORITY

a. LAST NAME	b. RANK	c. DUTY POSITION	d. SIGNATURE
DON A. King Jr.	LTC	USAMU COMMANDER	

RECORD OF ENVIRONMENTAL CONSIDERATION (REC)

Date Submitted: 8/22/2012

EMD Number: 1223701 **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 area.

Project Location:

McAndrews, Easley, Hibbs, Phillips, Parks, Hook Range Complex, Pool Range complex, Maertens, Krilling, Burroughs, Wagner, Malone 5, Malone 12

Amount, Description, Location of Disturbance/Digging:

None

Number of Personnel:

200

Size of Project Area:

Type of Ammunition: .22-.50 CAL Live

Number/Types of Trees: None

Duration of Action: Start: 10/1/2012 Stop: 9/30/2013

Proponent: Michael Buss 706-545-7174

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."

****

REC APPROVED THROUGH 30 SEPTEMBER, 2013

Natural Resources - RCW **Conditions:** **Michael Barron (706 544 7080), 8/24/2012**

See attached conditions. Note locations of red-cockaded woodpeckers (RCW) on attached maps. Training restrictions apply. Unit commanders must make sure that all troops know the locations of restricted areas and understand these training restrictions. This is imperative since night training may occur. Boundaries are often hard to see at night, but this is no excuse for violations to occur. Two hour time restriction is for 2 hours once every 24 hour period. Note where digging may not occur. All trenches, fighting positions, etc must be filled in prior to leaving an area. There must be no cutting down or intentional destruction of any pine trees throughout the requested area(s).

Noise **Conditions:** **Ellis Leeder (706 545 2400), 8/24/2012**

This is training operations that must be conducted. If there is any 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 no fly zones. 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 sites. 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

EMD Number: 1223701 IJO# Project Title: USAMU Ranges and Training Areas

****

Hazardous Materials/Waste Conditions: **Ted Williams (706 545 7579), 8/27/2012**

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. Contact EPMB for detailed information on the proper disposal of waste products resulting from the training. Contact POC for questions or additional guidance.

CWA - Training Conditions: **Leah Ropski (706 626 0492), 8/24/2012**

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.

Signature John E Brown

John E Brown
NEPA Program Manager
Date 27 AUG 2012

Signature Christopher E. Hamilton

Christopher E. Hamilton, PhD
EPMB Chief
Date 27 Aug 12

FIELD TRAINING EXERCISES AND DEPLOYMENT
GENERAL SPCC CHECKLIST
Figure 6.9.1

Units should continually keep HM/HW areas clean and orderly by applying the principals of Monitoring and Housekeeping. Vehicle Maintenance and Fueling Points, HW Collection Points and HM Storage & Supply Areas may not be set up at your filed training area and/or deployment destination.

BEFORE you deploy, plan to pack drip pans, rags, plastic, dry sweep, absorbent, and pallets to prevent drips, spills, and leaks from seeping into the ground and contaminating soil and water resources.

Plan to build your areas to prevent HM accidents before they occur. An easy way to remember what to check, is to remember your CHECK list:

Containment:

___ Ensure that secondary containment is used and in good condition.

___ Empty water within secondary containment on a regular basis. If water is contaminated, dispose of it IAW the Unit Hazardous Waste Management Plan.

HM/HW locations:

___ Make sure the locations of your HM/HW are well chosen. Stay away from waterways, drainage, sensitive areas, living areas, bunkers, ammunition storage, fence lines and/or dining facilities. Place them near the areas where hazardous materials are used.

___ Put up warning signs and keep them clean and orderly.

Environmental Documentation:

___ Maintain MSDSs for each hazardous material and update Unit/Activity SOPs and Spill Response Plans regularly.

Containers:

___ Check condition of containers and keep containers of incompatible materials in proper order.

Kits:

___ Place Spill Kits, First Aid Kits, and Emergency Response Kits in the vicinity of the HM/HW areas.

___ Spill Kits should also be available on vehicles transporting hazardous material/waste.

SPILL RESPONSE RECORD

PHASE I - IMMEDIATE ACTIONS FOR EVALUTING AND REPORTING SPILLS:

IMMEDIATELY REPORT ALL SPILLS TO YOUR SUPERVISOR AND CALL 911

***BE PREPARED TO PROVIDE THE FOLLOWING INFORMATION TO 911 OPERATOR:*

During Duty Hours also Call Mr. Felix Soto, EPMB Spill Manager at 545-9879

1. DATE/TIME OF SPILL: ____ /

2. LOCATION: _____

3. MATERIAL SPILLED (include NSN and ingredients, if able): _____

4. HAZARD: FLAMMABLE ____ TOXIC ____ CORROSIVE ____
OXIDIZER ____ REACTIVE ____ UNKNOWN ____
OTHER (specify) _____

5. CAUSE OF SPILL: _____

5. DESCRIPTION OF SPILL QUANTITY, SIZE AND TYPE OF AREA AFFECTED:
   a. Quantity Released and Size of Spill Area: _____
   b. Soil: _____
   c. Pavement: _____
   d. Vegetation: _____
   e. Storm or Sewer Drain: _____
   f. Name of Body of Water (River, Creek, Pond, Lake, Drainage Ditch): _____

7. HAS RELEASE BEEN STOPPED? _____

8. HAS RELEASE BEEN CONTAINED? _____

9. DID RELEASE CROSS INSTALLATION BOUNDARIES? (IF YES, DESCRIBE LOCATION) _____

10. TYPE AND EXTENT OF INJURIES, IF ANY: _____

***Provide a copy of this form to DPW EPMB Spill Program Manager or FAX to 545-4209*

PHASE II - POST-SPILL RESPONSE AND CLEAN UP ACTIONS:

11. DESCRIBE CLEAN-UP METHOD AND CONTAINMENT PROCEDURES: _____

12. NAME OF CONTRACTOR INVOLVED IN CLEAN-UP: _____

13. ESTIMATED AMOUNT OF SPILL RESIDUE AND CONTAMINATED MATERIAL REMOVED: _____

FORT BENNING ENVIRONMENTAL REGULATIONS SUMMARY

RED-COCKADED WOODPECKER (RCW): Cavity trees are identified by two white bands. Cluster boundaries extend 200 feet around each cavity tree, and are delineated by diamond-shaped signs. **WITHIN a cluster:**

- Personnel MAY NOT stay for more than 2 hours; NO BIVOUACS.
- The only digging allowed is BY HAND for hasty defense light infantry fighting positions. ALL other digging is prohibited.
- Within one half mile of a cluster, NO MECHANICAL DIGGING may be done within 20 feet of any mature pine tree (8 inch diameter or greater).
- Off-road vehicles MAY NOT come within 50' of any cavity tree.
- Use only .50cal and 7.62mm (or smaller) blank ammo; NO LIVE FIRE.
- CS gas, HC smoke, and noise generators MAY NOT be used.
- Incendiary devices (including trip flares) MAY NOT be used.
- Only hardwood may be cut for camouflage; CUT NO PINE.

GOPHER TORTOISE: Inhabits burrows in high sandy areas. Some burrows are marked by white 1" PVC pipe topped with reflective tape. Digging and vehicular traffic must be kept more than 50 feet away from burrows.

---------- CUT HERE ----------

ENVIRONMENTAL INCIDENT REPORT FORM

For your protection, company commanders are asked to document any environmental incidents by completing this card and forwarding it to the Chief, Environmental Management Division, Building 6, Room 307, or call 545-2180, within 24 hours of incident. Check off incident and take corrective actions.

____ bivouacking in RCW cluster (Relocate bivouac site.)
____ off-road driving / parking within 50' of RCW cavity tree (Relocate.)
____ digging in RCW cluster [except individual hasty fighting positions] (Refill holes.)
____ scarring or felling of trees in RCW cluster (Contact EMD Conservation Branch through Range Control.)
____ digging or driving in Sensitive Area (Relocate, DO NOT refill holes.)
____ wildfire started (Begin suppression and contact Range Control.)
____ POL spill greater than 20 gallons on land or any quantity on water (immediately contact Range Control and begin spill control – REACT.)
____ POL spill less than 20 gallons on land (Begin spill control - REACT; contact Range Control and submit a Spill Report Form to EMD within 24 hours.)

FORT BENNING ENVIRONMENTAL REGULATIONS SUMMARY

SENSITIVE AREAS: Endangered species habitat or cultural resources. They are marked with steel pickets and white signs. Digging and vehicular traffic is prohibited.

POL/HAZMAT SPILLS: Report all spills through Range Control at 545-3474. If assistance is required from the Fire Department/HAZMAT Team, Range Control will make notifications through E-911. For POL spills greater than 20 gallons on land or any quantity on surface water, the Environmental Management Division (EMD) must be immediately notified through E-911 or 545-9879/4203. For POL spills less than 20 gallons on land, a Spill Report Form must be submitted within 24 hours to the EMD (Call 545-9879 and/or FAX 545-4209). After hours call the spill pager at 317-6584.

Unit should begin spill control measurements (REACT) within their capabilities. If a spill occurs within a sensitive area; stop the source, contain, and absorb the spill material - do not dig until EMD personnel arrive at the site.

Be prepared to report:

- Time, grid location, and cause of spill.
- Type of product and amount spilled.
- Distance from flowing water.
- Action taken to combat spill.

See USAIC 210-4, Range and Terrain Regulations, for more detail.

ENVIRONMENTAL INCIDENT REPORT FORM

Unit: _____

OIC/NCOIC: _____

Training Area: _____

Grid Coordinates: _____

Date and Name: _____

Signature: _____

FB (DPW) Form 31, 1 May 2004 PREVIOUS EDITION OBSOLETE

IMSE-BEN-PWE-C 24 August 2012

RECORD OF ENVIRONMENTAL CONSIDERATION (FB FORM 144R) CONTINUED....

RECORD NUMBER: 1223701

1. Conservation Branch (CB) personnel may inspect for environmental violations. During April - July, CB will require access to the red-cockaded woodpecker (RCW) clusters to check for breeding activity. If any aspect of the exercise changes, a new 144R must be submitted. Unit should not conduct any type of activity that will result in the death or injury of pine trees that are 10 inches diameter or greater, this includes demolition, cutting, etc; off-road vehicles should not damage any such trees. Unit must not cut any pine trees for any use such as firewood, barricades, support structures, camouflage, etc. Failure to adhere to these conditions may result in disapproval of future 144Rs.

2. Backfill all fighting positions before leaving the training area.

3. There are several Red-cockaded woodpecker clusters located in the area of these training areas. Note locations on attached maps. An exception is granted to conduct live fire on these ranges but restrictions apply to the clusters and area adjacent to the Ranges (see attached). There are 2 RCW clusters located in the vicinity of Maertins Range at centerpoint GLs 99864-82539 and 00411-81820. Units must not fire into the tree line along the sides of the range and firing must be concentrated at established targets. Training restrictions apply to use of these areas for any other activities occurring at the sites. No new positions may be created, moved or expanded without concurrence with Conservation Branch. Two white bands mark cavity (nest) trees. The cluster boundaries extend approximately 200 feet from the cavity trees and are marked by signs indicating the area is an RCW cluster.

a. **Activities in cluster boundaries are limited to 2 hours with the following activities allowed**: Hasty defense-light infantry-hand digging, foot traffic, wheeled-vehicle traffic (must stay 50 feet from marked trees), vehicle maintenance, 7.62-mm and lower blank firing, artillery/hand grenade simulators, Hoffman type devices, smoke/haze operations-generators or pots (smoke can drift into, but source must be outside boundary), star cluster/parachute flare, cutting of hardwoods for camouflage (do not cut any pines).

b. **The following activities are not allowed in the cluster boundary**: No other digging, establishment of command post, assembly area operations, established CS/CSS sites, live fire, noise generators, incendiary devices (including trip flares), CS/Riot gas, HC smoke, tank ditches, deliberate individual fighting positions, crew served fighting positions, vehicle fighting positions, force reduction positions, vehicle survivability postings.

c. Within ½ mile of a cluster, there is no mechanical digging within 20 feet of a mature pine tree (10 inches diameter at breast height or greater).

4. Report all wildfires to Range Control ASAP.

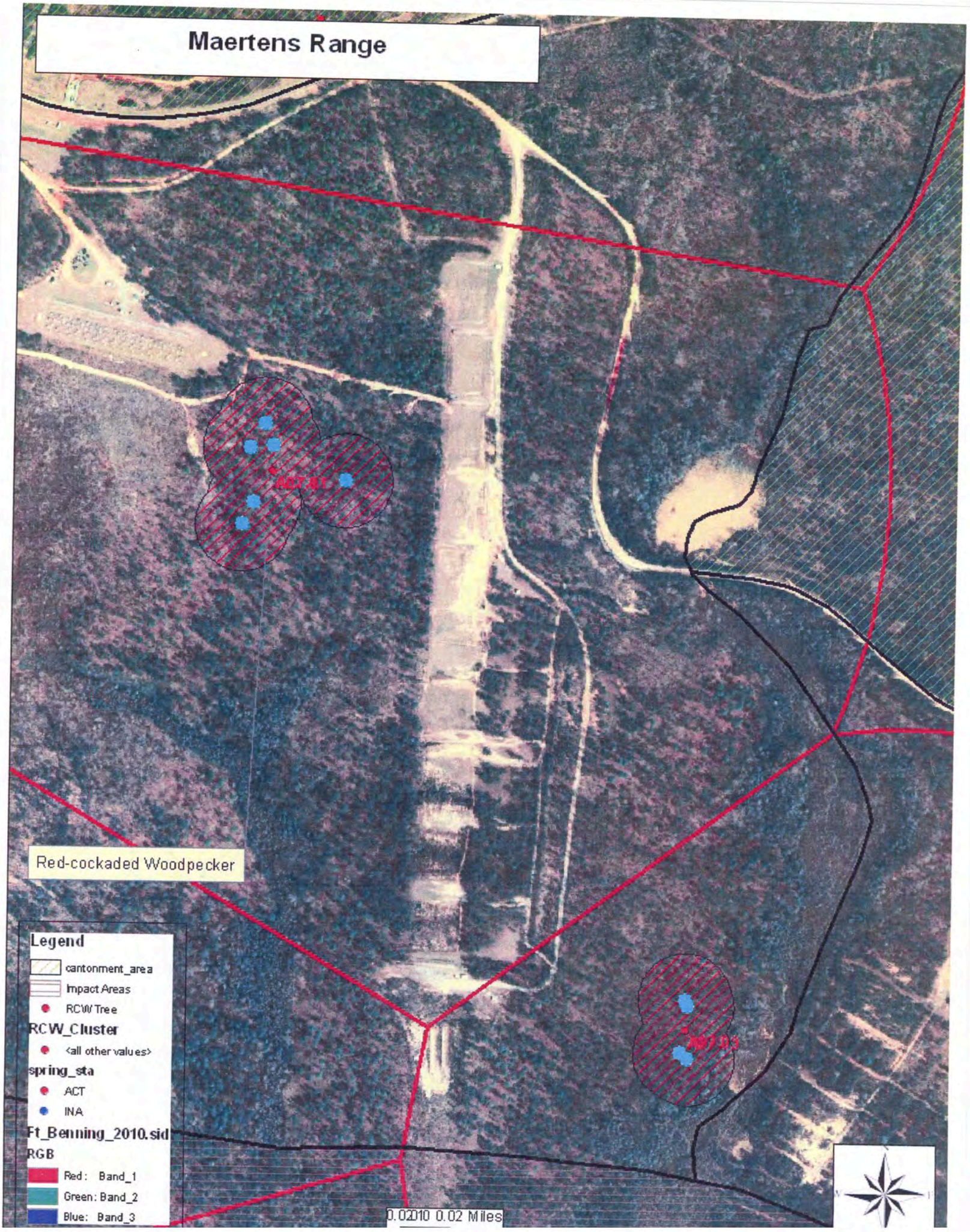
MICHAEL G. BARRON
Wildlife Biologist, NRMB
544-7080/7319

TRAINING ACTIVITY WITHIN 200' BUFFER ZONE	
Maneuver and Bivouac:	
Hasty defense, Light Infantry, Hand digging only, 2 hrs max	yes
Foot Transit	yes
Wheel/Track Vehicle Transit	yes (1)
Cutting Hardwood Camouflage	yes
Vehicle Maintenance, 2 hrs max	yes
Hasty defense, Mechanized Infantry/Armor	no
Deliberate Defense, Light Infantry	no
Deliberate Defense, Mechanized Infantry/Armor	no
Established Command Post, Light Infantry	no
Assembly Area Operations, Light Infantry, Mech Infantry/Armor	no
Established CS/CSS Sites	no
Weapons Firing:	
7.62mm and Below Blank Firing	yes
.50 Cal Blank Firing	yes
Artillery Firing Position	no
MLRS Firing Position	no
All Others	no
Noise:	
Artillery/Hand Grenade Simulators	yes
Hoffman Type Devices	yes
Generators	no
Pyrotechnics/Smoke:	
Smoke, Haze Operations, Generators or Pots	yes (2)
Smoke Grenades	yes
Star Cluster/Parachute Flares	yes
Incendiary Device to Include Trip Flares	no
CS/Riot Gas	no
HC smoke of Any Type	no
Digging:	
Hasty Individual Fighting Positions, Hand Digging Only	yes
Tank Ditches	no
Deliberate Individual Fighting Positions	no
Crew-served Weapons Fighting Positions	no
Vehicle Fighting Positions	no
other survivability/Force Reduction positions	no
Vehicle Survivability Postings	no

Note: Yes means that the activity may be conducted within 200 feet of a marked cavity tree

(1) Vehicles (wheel and track) will not get closer than 50 feet of a marked cavity tree unless on an existing road or trail

(2) Smoke generators and smoke pots will not be set up within 200 feet of a marked cavity tree, but the smoke may drift inside the 200 foot buffer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Red-cockaded Woodpecker
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RCW Tree
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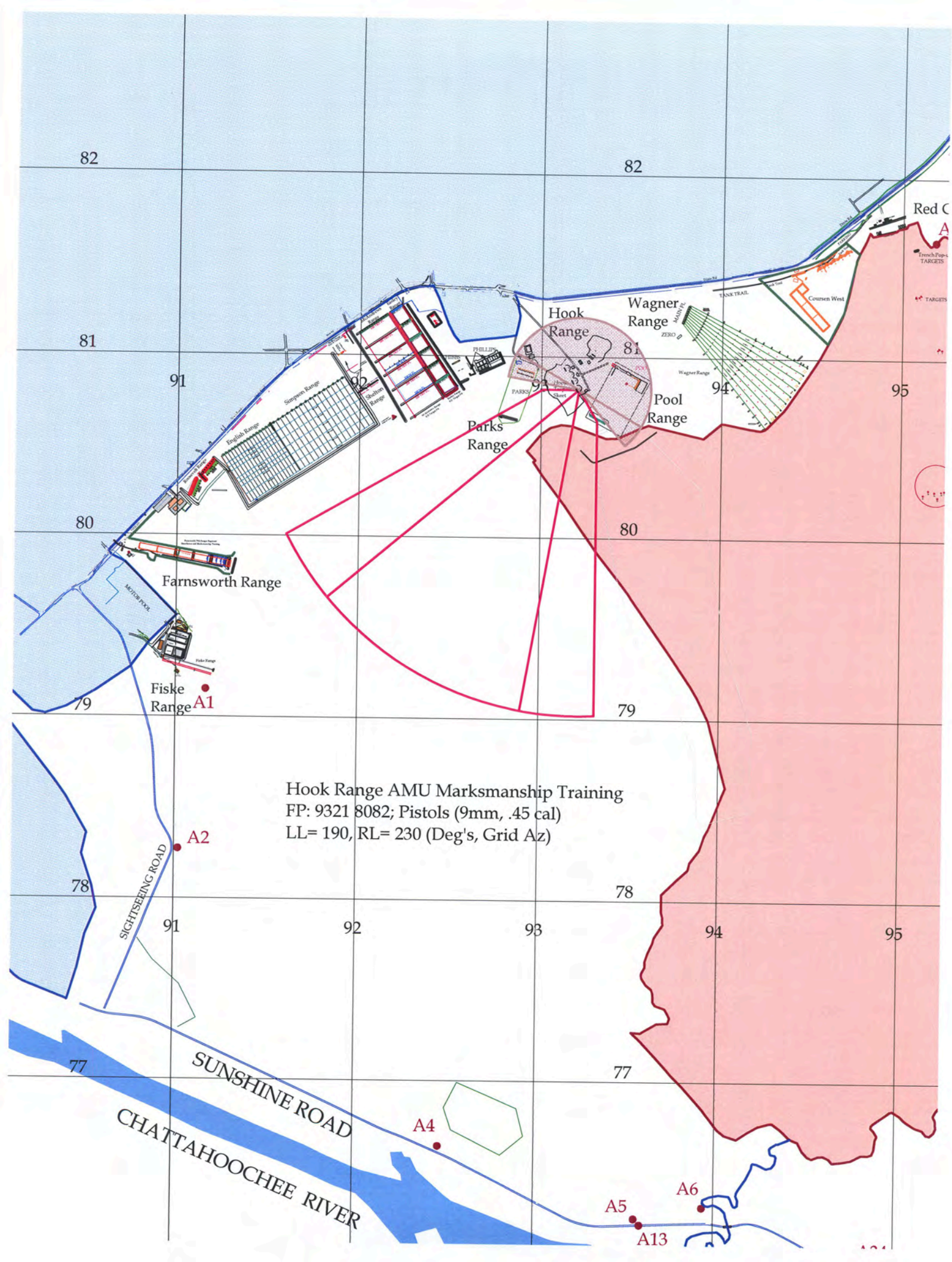
Hook Range
Wagner Range
Pool Range
Parks Range
Farnsworth Range
Fiske Range
A1
A2
A4
A5
A6
A13
SIGHTSEEING ROAD
SUNSHINE ROAD
CHATTAHOOCHEE RIVER
Hook Range AMU Marksmanship Training
FP: 9321 8082; Pistols (9mm, .45 cal)
LL= 190, RL= 230 (Deg's, Grid Az)