

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: 22 May 2012
Range: McAndrews Range
Title: Marksmanship Training
Problem No:

Log #5-8-12

THRU: DPTMS, Range Division
Fort Benning, GA. 31905

FROM: Survey, Range Operations
Fort Benning, GA. 31905

SECTION I, TYPE OF TRAINING

a. Live Fire b. Non-live Fire CP/Controller Coordinates: FA 9201 8115

SECTION II, DEMOLITIONS/GRENADES/MINES/PYROTECHNICS

Coordinates	Type	Model/DODAC	Size of Charges
N/A			

SECTION III, WEAPONS/AMMUNITION REQUESTED

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

SECTION IV, LIVE FIRE EXERCISES Attach the following:

SECTION V, NON-LIVE FIRE TRAINING

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

Name/rank of requesting officer:
Benjamin T. Bolding
Benjamin T. Bolding, GS08, Chief, Survey Technician

Name/rank of Major Unit S3/Commander:
Brad Tesh
Brad Tesh, GS12, Chief, Range Operations

SECTION VI, FOR RANGE DIVISION USE

DATE: 7 August 2012

TO: Operations, Range Division
Fort Benning, GA. 31905

FROM: Range Division,
Directorate of Plans, Training,
Mobilization and Security
Fort Benning, GA 31905

- a. Roadblocks to be closed:** A: 2, 4, 5, 8, 23, 33A, 34.
- 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

Brad Tesh

McAndrews Range, Range Div Marksmanship Training (Log #5-8-12) Weapons/Ammo List Enclosure, May 22, 12

Firing Positions	Weapons	Ammunition	Left Limit, Mils Grid Azimuth	Right limit, Mils Grid Azimuth
100 Yrd FL, FP 1 to FP 62 9240 8084 to 9225 8074	M16/M4/MK16; M82 Barrett/M107 M24/M40/M110/SR25/AR10/M21/M14/MK17 MK13; .338 Lapua	5.56mm Ball; .50 cal Ball 7.62mm Ball/M118 300 Win Mag; .338 Lapua	2588	2602
100m FL, FP 1 to FP 62 9240 8085 to 9225 8074	Same Weapons as 100 Yrd FL	Same Ammunition as 100 Yrd FL	2589	2601
200 Yrd FL, FP 1 to FP 62 9235 8092 to 9220 8081	Same Weapons as 100 Yrd FL	Same Ammunition as 100 Yrd FL	2591	2598
200m FL, FP 1 to FP 62 9234 8093 to 9219 8083	Same Weapons as 100 Yrd FL	Same Ammunition as 100 Yrd FL	2592	2598
300 Yrd FL, FP 1 to FP 62 9230 8099 to 9215 8089	Same Weapons as 100 Yrd FL	Same Ammunition as 100 Yrd FL	2593	2597
300m FL, FP 1 to FP 62 9229 8101 to 9213 8091	Same Weapons as 100 Yrd FL	Same Ammunition as 100 Yrd FL	2593	2597
400 Yrd FL, FP 1 to FP 62 9225 8107 to 9210 8097	Same Weapons as 100 Yrd FL	Same Ammunition as 100 Yrd FL	2593	2597
500 Yrd FL, FP 1 to FP 62 9220 8115 to 9204 8104	Same Weapons as 100 Yrd FL	Same Ammunition as 100 Yrd FL	2594	2596
600 Yrd FL, FP 1 to FP 62 9215 8122 to 9199 8112	Same Weapons as 100 Yrd FL	Same Ammunition as 100 Yrd FL	2594	2596



DEPARTMENT OF THE ARMY
INSTALLATION MANAGEMENT COMMAND
ATLANTIC REGION
HEADQUARTERS, UNITED STATES GARRISON
1 KARKER STREET, BUILDING 4, SUITE 4403
FORT BENNING, GEORGIA, 31904

REPLY TO
ATTENTION OF

IMBE-PLT-O

20 June 2012

MEMORANDUM FOR RECORD

SUBJECT: McAndrews Range KD/Sniper Live Fire

1. Reference: DA Pam 385-63, MCoE 350-19
2. Purpose: To conduct live fire training from Known Distances day and night
3. Range and terrain requirements: McAndrews
4. Weapons and ammunition types:
 - M24 SWS, M110 SWS, M40A3, SR25, M14/M21, AR10, MK17: 7.62mm ball (M118)
 - M4, M16A1/4, MK16; 5.56mm ball
 - MK13: 300 win mag.
 - M107/M82 Barrett: .50 cal ball.
 - .338 Lapua: .338 Lapua.
5. Execution and concept of the operation:
 - a. This exercise will be coordinated by a command post (CP) that will be located 25 meters behind each firing line along with the ammunition supply point, field ambulance, and transportation assets that will also be located 25 meters behind the firing line as we occupy for control purposes.
 - b. RSO/OIC will ensure all Soldiers understand the limits of the range prior to engaging targets.
 - c. Once the Soldiers have received their safety briefing they will file by the ammunition point to draw their ammo for their specific weapon and store it on their person. They will then move to the firing line.
 - d. Once the Soldiers reach the firing line they will place their weapon on the firing point and will load their weapon only when told to do so by the OIC/RSO.
 - e. Safeties will give the Soldier a verbal command to fire when ready.
 1. Soldiers will only fire at the same target number as the firing point number they occupy.
 2. When shooting, no one will be forward of the firing line except personnel in the target pit.

f. Upon completion of each firing line, Soldiers will move forward or backwards 100yds/ meters, until completion of all firing. All weapons will be confirmed cleared prior to moving. Everyone will move together as a group and under the safeties supervision. Firing will not resume until all personnel are accounted for, target pit personnel are confirmed under the overhead cover and the command to load and fire is given.

6. **SAFETY:**

a. **Signals:**

1. Primary means of lifting fires will be a verbal command or alternate means will be walk about radios/voice.

2. Safeties will be at each firing line.

3. Communication will be maintained at all times (with walk about radios) between the firing line and pit. Weapons will be cleared during Target Pit change.

4. Target Pit NCO will ensure all personnel are under the overhead cover when the firing line is hot. Targets will not be changed independently. This will insure the target pit personnel stay under cover till all firing has ceased. When changing targets and target pit personnel the Pit NCO confirms all weapons are cleared and RSO confirms no one handles any weapon during the transition.

5. 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. **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.

1. Primary means of coverage will be on site CLS with CLS bag.

2. There will be a designated covered vehicle with a radio on the range at all times.

c. **Incident:** When an incident occurs on the range, regardless of injury or not, the OIC/RSO will immediately call a cease fire and report it to Range Control and the using unit's higher headquarters. OIC/RSO will take action as directed by Range Control. The cease fire will remain in effect until the problem is resolved and cleared through Range Control. If the incident results in an injury, the OIC/RSO will use the procedures outlined in the medical paragraph. The following information will be furnished by the OIC/RSO to Range Control:

- a. Designation of unit.
- b. Range and location
- c. Type of weapon involved.
- d. Type of ammunition involved.
- e. Brief summary of what happened.
- f. Personnel injuries and extent.
- g. Full Name, SS#, Rank and unit of injured personnel.

- h. Extent of property damage.
- i. Intentions regarding an AR 15-6 investigation.

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.

e. **Ammunition**: An ASP will be established 25 meters behind each firing line as we occupy. The ammo NCO (E-5 or above) will control the storage and distribution of all ammo and will be responsible for the procurement of supplies (fire extinguisher, pallets, waterproofing, etc) and the establishment, maintenance, and operation of the ASP. Soldiers will only receive enough ammo for the live fire exercise and upon completion of the exercise, the RSO/OIC will ensure no one has any brass residue or ammunition in his/her possession. All brass will be returned to the ASP.

7. Safety Briefing:

a. All Soldiers will receive a Safety Briefing on procedures, equipment, hazards, malfunctions, etc... either by the RSO or OIC. Anyone conducting an unsafe act will be pulled from the firing line for retraining.

b. All Soldiers are safety officers. Anyone who observes an unsafe act will immediately call for a cease-fire and stop the exercise.

c. All weapons and munitions will be discharged downrange and within the designated limits

d. All weapons will be on safe unless actively engaging a target.

e. All Soldiers must practice muzzle awareness and point their weapons only at targets they intend to shoot.

f. All Soldiers will have their weapons visually inspected and cleared by using a one piece cleaning rod or similar device before entering the range and proceeding to the firing line and again upon completion of the live fire training prior to leaving the firing line by a qualified Safety. This person cannot be a Soldier in a training status.

g. No personnel will be permitted down range except for pit personnel.

h. Range will be policed of all residue and trash prior to closing the range.

i. Units are required to have a detailed current Composite Risk Management Worksheet for this range, completed and signed by appropriate personnel then staffed through Post Safety and turned into Range Control prior to firing on this range.

j. Prior to engaging targets, the RSO will ensure only authorized ammunition for the respective weapon system being used is issued and in the possession of everyone training.

k. All Soldiers to include target pit personnel will wear the appropriate personnel protective gear.

l. There will be no deviations, changes or additions to this package unless it is approved by Range Operations.

m. Units are required to submit a list of LASER's, NVD's and sights to Range Operations for approval before night firing can be scheduled. LASER hazards will be included in the daily safety briefing. LASER warning signs will be in place during LASER use.

8. The point of contact for this memorandum is Mr. Tesch, 706-544-6385.

A handwritten signature in black ink, appearing to read "Brad Tesch". The signature is fluid and cursive, with the first name "Brad" and last name "Tesch" clearly distinguishable.

Brad Tesch
GS12, DAC
Chief, Range Operations

Simpson Range

Shelton Range

McAndrews Range

Easley Range

500 YRD FL

400 YRD FL

300 YRD FL

200 YRD FL

100 YRD FL

600 YRD FL

600 YRD FL

300 YRD FL

300 YRD FL

200 YRD FL

100 YRD FL

100 M FL

300 M FL

200 M FL

100 M FL

McAndrews Range
KD Target Pit

Easley Range
KD Target Pit

Shelton Range
Rifle & Pistol Club
In Range Area
Covered Area
In Range Area
Club

PHM
PHM
PHM

PHM
PHM
PHM



McAndrews Range, Range Div Marksmanship Training (Log #5-8-12) , 22 May 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

BLOCK	GRID	LOCATION	TYPE
A-28	GA 012 774	20 meters off Yankee road on south side of Galloway range.	Gate
A-28A	GA 011 776	30 meters south of Range Tower	Gate
A-30	GA 026 758	Across fire break leading to Garnsey Range. 140m SW of Brann Flat Range.	Gate
A-30A	GA 027 758	Across trail leading to Garnsey Range 50m E. of A-30 Roadblock	Gate
A-31	GA 020 745	Across fire break leading to Brann	Cable
A-32	FA 989 724	Across entrance road to Kunzig Range.	Gate
A-33	FA 974 734	Across entrance to Griswold Range.	Gate
A-33A	FA 979 739	150 meters west of Target Systems bldg on trail leading to move to contact site	Gate
A-33B	FA 982 739	20m N of Target Sys bldg on trail running on west side of bldg.	Install Gate
A-34	FA 947 760	Across entrance to Minter Hill 700m E. of Oswichee Creek.	Gate
A-38	FA 952 816	Across fire break 300m down range of firing line on Red Cloud Range on L. side of range.	Cable
A-39	FA 956 822	Across unnamed trail 100m S. of bldgs on Buckner Range on L. side of range	Cable
A-40	FA 967 823	Across fire break 50m down range on the left side of Pierce Range.	Gate
A-41	FA 972 820	Across fire break located on the right side of the firing line on Patton Range.	Cable
A-42	FA 978 820	Across fire break located on the left side of the firing line on Patton Range.	Cable
A-43	FA 983 823	Across fire break located on the right side of	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



RECORD OF ENVIRONMENTAL CONSIDERATION (REC)



EMD Number: 1125905

Project#: Unknown

Project Title: RSTB Known distance training

Description of proposed action:

Training will consist of familiarization firing, known distance firing, and transition firing from 25 meters up to 800 meters with various weapon systems utilizing 9mm, 5.56 ball, 7.62 ball, 300 WIN MAG, and PLUS 50 CAL. Laser aiming devices and night vision optics will be utilized during day and night fires. For known distance firing various firing positions will be utilized to include prone, prone supported, prone unsupported, kneeling, and offhand.

Project Location:

McAndrews, Easley, and Wagner ranges

Amount, Description, Location of Disturbance/Digging:

N/A

Number/Types of Vehicles:

None

Number of Personnel:

None

Type of Ammunition:

9mm, 5.56, 7.62, 300 WIN MAG, 50 CAL Live

Number/Types of Trees:

N/A

Size of Project Area: NA

Duration of Action: Start: 9/20/2011 Stop: 9/30/2012

Proponent: e.currier

706-626-2628

Organization/Unit: 75th Ranger Regiment

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, 2012

Hazardous Materials/Waste

Conditions:

Dudley Carson (706 545 7570), 9/19/2011

Considerations for Field Training Exercises and Range Operations

1. 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.
2. Ensure personnel know the correct procedure for handling misfires at the range:
 - 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.

All excess, unused munitions (including smoke canisters) must be returned to the Ammunition Supply Point (ASP) after the range operation is complete. Defective, misfired, or otherwise unserviceable munitions may be destroyed on the range, as part of the training exercise, in coordination with EOD.

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, dated 23 July 2010.
3. Rubbish, empty containers and other waste shall be removed from the training area after the exercise. Contact EPMB for detailed information on the proper disposal of waste products resulting from the exercise.
4. Contact POC for questions or additional guidance.

Noise

Conditions:

Ellis Leeder (706 545 7576), 9/19/2011

This is normal 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 by determining if the noise was detected by noise detection monitors, 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 to travel off Installation boundary into public areas or roads. 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 program is needed for review, please feel free to contact Ellis Leeder at 706.545.2400 or email ellis.leeder@us.army.mil

CWA - Training

Conditions:

Jessica Taylor (706-604-4572), 9/19/2011

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 (Figure 6.9.1) 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.

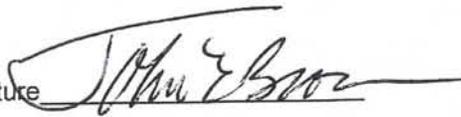
SPECIAL NOTE: See 2010 ASP SOP Training and Deployment.doc for further training requirements.

Natural Resources - RCW

None

Michael Barron (706 544 7080), 9/16/2011

Signature



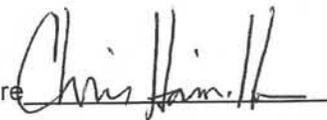
John E Brown

NEPA Program Manager

Date

21 SEP 2011

Signature

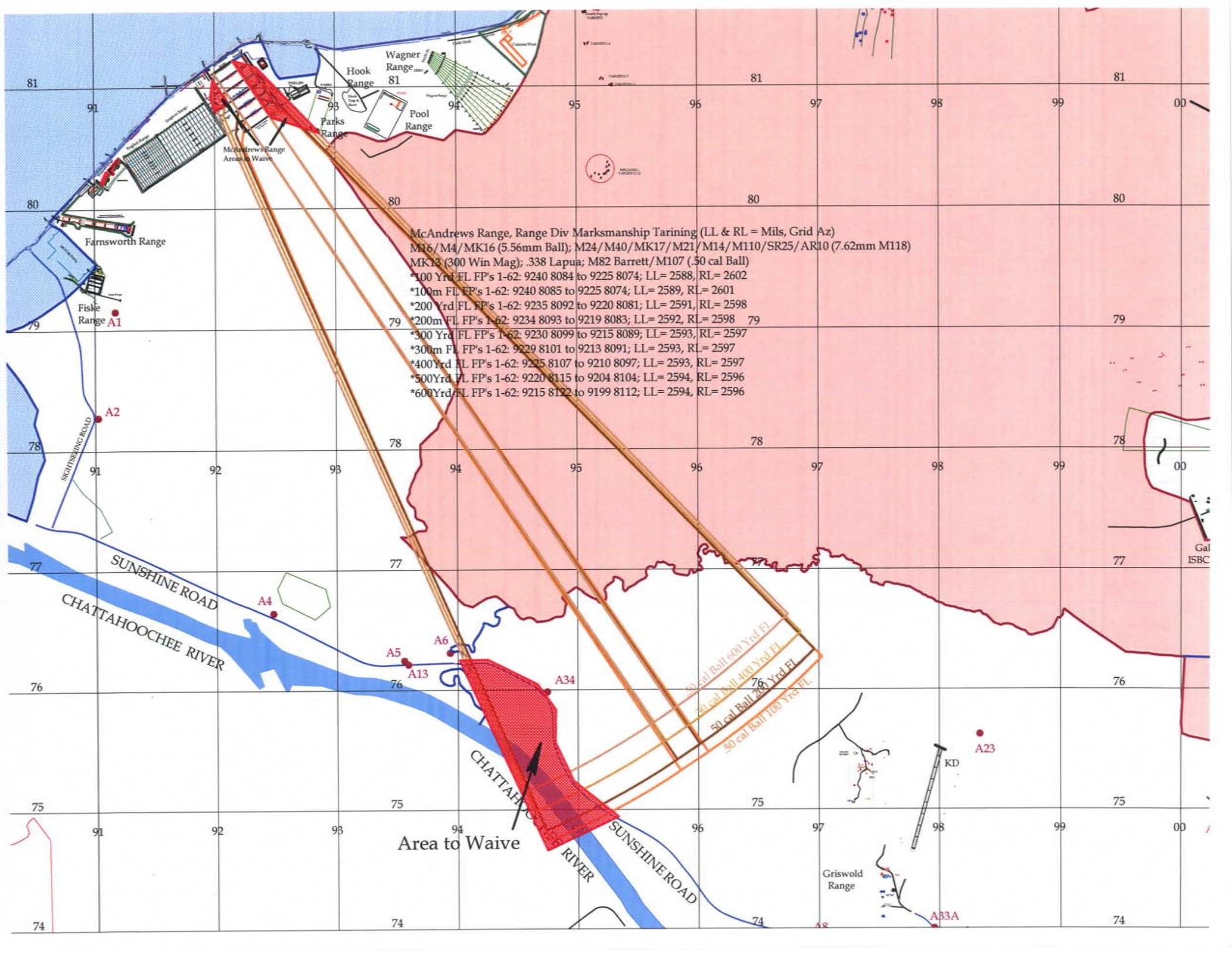


Christopher E. Hamilton, PhD

EPMB Chief

Date

21 Sep 11



McAndrews Range, Range Div Marksmanship Training (LL & RL = Mils, Grid Az)

M16/M4/MK16 (5.56mm Ball); M24/M40/MK17/M21/M14/M110/SR25/AR10 (7.62mm M118)
 MK13 (300 Win Mag); .338 Lapua; M82 Barrett/M107 (.50 cal Ball)

*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 79
 *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

50 cal Ball 400 Yrd FL
 50 cal Ball 400 Yrd FL
 50 cal Ball 200 Yrd FL
 50 cal Ball 100 Yrd FL

Area to Waive

Griswold Range

KD

A33A

Gal
ISBC