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:** 11 January 2013 Log# 01-10-13 **Range:** Hastings **Title:** Tank, BFV and Unstabalized Gunnery **Problem No:**
THRU: Chief, Range Operations 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: GA 2068 9730 (Range Tower)

SECTION II, DEMOLITIONS/GRENADES/MINES/PYROTECHNICS

Coordinates	Type	Model/DODAC	Size of Charges
See Weapon/Ammo Enclosure	See Weapon/Ammo Enclosure	See Weapon/Ammo Enclosure	See Weapon/Ammo Enclosure
See Weapon/Ammo Enclosure	See Weapon/Ammo Enclosure	See Weapon/Ammo Enclosure	See Weapon/Ammo Enclosure
See Weapon/Ammo Enclosure	See Weapon/Ammo Enclosure	See Weapon/Ammo Enclosure	See Weapon/Ammo Enclosure
See Weapon/Ammo Enclosure	See Weapon/Ammo Enclosure	See Weapon/Ammo Enclosure	See Weapon/Ammo Enclosure

SECTION III, WEAPONS/AMMUNITION REQUESTED

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

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: Hogan, Travis R. SFC

Name/rank of Major Unit S3/Commander: Brad S. Tesch, GS-11

SECTION VI, FOR RANGE DIVISION USE

DATE: 25 FEB 13

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

a. Roadblocks to be closed: K 5, 14-16, 17, 20, 21, 27, 41-43, 46, 26

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

c. Remarks: K26, K21 needs guard for control traffic.

d. This approval expires: Indef

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

DEPARTMENT OF THE ARMY
RANGE OPERATIONS
BUILDING 5510, 8TH DIVISION RD.
FORT BENNING, GEORGIA 31905

IMSE-BEN-PLT-R 09 January 2013

MEMORANDUM FOR CHIEF OF RANGE DIVISION

SUBJECT: Hastings, Tank Gunnery, BFV Gunnery

1. **Purpose:** To establish Standing Operating Procedure (SOP) to be used during training on Hastings Range.

   a. Units conduct the following training events on Hastings Range

   b. Tank, BFV and Unstabalized Gunnery with the various weapons as listed on the 350-19-1-E-R.

2. **Applicability:** This memorandum applies to all Units/ activities using Hastings Range. All Officers in Charge (OIC), Non-Commission Officers in Charge (NCOIC) and Range Safety Officers (RSO) will be familiar with the contents of this memorandum and all other applicable references.

3. **References:**

   a. Army Regulation 385-63
   b. DA PAM 385-63, Range Safety
   c. Army Regulation 350-1, Army Training
   d. MCOE Regulation 350-19, Range and Terrain Regulation
   e. FM 3-23.30, Grenades and Pyrotechnic Signals
   f. TM 9-1300-206, Ammunition and Explosives Standards
   g. FM 3-20.21, HBCT Gunnery Manual
   h. FM 3-20.15, Tank Platoon
   i. FM 4-01.45 Multi-Service Tactics, Techniques and Procedures for Tactical Convoy Operations
   j. FM 3-20.98 Reconnaissance Scout Platoon
   k. FM 23-65, Browning Machine Gun Caliber .50 HB M2
   l. Crew-served Machine Guns 7.62mm and 50 HB M2

4. **Execution of exercise:**

   a. **LFAST (LIVE FIRE ACTION SCREENING TEST)/ BORESIGHT:** All Boresighting will be conducted from the approved bore sight line located in front of the bleacher area. LFAST (Live Fire Action Screening Test)/ LIVE FIRE will be conducted to the Northern end of the Boresight line (See Enclosure 1)

   b. **DAY and NIGHT LIVE FIRE ENGAGEMENTS:** Day and Night engagements will be conducted IAW FM 3-20.21 using the approved targets, Battle Positions and Maneuver firing boxes from Range Control. (See Enclosure 2 Range Division approved Target List)

      ****Units are responsible to coordinate with the Heavy section Team Chief to request Targets be heated for the thermal sights, and boresight panels.****

5. **Scheduling:** Each unit / activity scheduling Hastings Range will prepare and submit the following documents to Range Operations, DPTMS:

   a. DA Form 7566, Risk Management Worksheet. Which must be reviewed by MCOE Safety.

   b. A scenario with target list which has been reviewed and approved by Range Control. (see enclosure 4, example).

   c. All training will be conducted IAW this memorandum. Units are responsible for developing and submitting a new range packet if requested training deviates from approved range packets. All deviations / waivers must be submitted though MCOE Safety office for review.

   d. Units will use the Range Facility Management and Scheduling System (RFMSS) when scheduling Hastings Range. The RFMSS request must contain a detailed daily firing time line.

6. **Administrative:** The training unit shall clear the range in accordance with local policies and procedures established with Range Control. Units will be required to clean all buildings occupied during the training event. This will require that the unit supply the following: brooms, mops, buckets, and appropriate cleaning supplies.

   a. Using units are responsible for clearing all brass and ammunition from the range and all firing lanes. Brass and ammunition are to be policed during daylight hours only.

   b. When firing vehicles enter the Range all weapons will be elevated and oriented down range.

   c. A red range flag will be provided to the using unit by Range Division personnel. The range flag will be displayed prior to live-fire training and must be returned to range support personnel prior to departing the range. A red light will be used in place of the Red Range flag during night operations.

   d. Using units are responsible for providing a fire detail. These personnel will be used in case of a fire downrange. All range fires will be suppressed and reported **immediatley** to Range Control IAW MCOE regulation 350-19.

   e. Using units are responsible for ordering targetry for their scheduled event and ensuring delivery of targetry to Hastings Range three weeks prior to the scheduled event.

   f. The Unit Master Gunner or representative will verify that the scenario data matches the approved Range Control packet at Range Control.

   g. The Crew Evaluators need to coordinate orientation training on the Crew Evaluator Workstation (CEWS) and instrumented after action review (AAR) systems three weeks prior to training event.

   h. Unit will proof the range before firing.

   i. The Unit Master Gunner will coordinate with the Hastings Range target personnel three weeks prior to occupying the Range to ensure target scenarios and the correct targetry have been delivered and are available and accurate for the scheduled training event.

   j. The unit leadership must assign personnel to perform special duties such as Gate guards, fire fighting details and target detail IAW this memo.

   k. Vehicle flags will be used IAW MCoE REG 350-19

l. Vehicles that are running the course will be given weapon control status from the tower and maintain weapons systems downrange at all times until cleared by the Range Safety Officer.

m. POV and wheeled military vehicle parking is located in the vicinity of Hastings Range Operations building. (See enclosure 3)

n. Units will be required to provide a six Soldier Target detail for the duration of the training event in order to facilitate Range personnels up keep of the Range during use.

o. Spectator events need prior approval from Range Control, Legal, Post Safety and the Garrison Commander. Spectators will be escorted by assigned safety personnel to bleachers area where they will be giving single or double hearing protection depending on the event. The bleacher area will be equipped with FM comms allowing the Tower to communicate with them. The Live Fire Exercise will not start until the Tower and the Spectator area have confirmed all spectators are wearing hearing protection and accounted for. No Pregnant woman or infants will be allowed on Hastings range during firing. Safety personnel will monitor all spectators throughout event. Prior to the Spectators coming out to Hastings Range they will be required to read and sign the Hold Harmless agreement IAW MCoE REG 350-63-4. Spectators will then be bused to Hastings Range and will be dropped off at the bleacher area, where they will receive a conduct of the Range and Safety brief.

p. No open flames will be allowed within 50 feet of the established ammo point. Two 10lb bicarbonate fire extinguishers will be available at all times at the ammunition point. Ammunition Non-Commissioned Officer will control issue of live ammunition and maintain accountability at all times. All ammunition will be issued and turned in to the Ammunition NCO and logged. Ammo NCO will be Ammo Handler certified. Ammunition will be seperated at all times by DODIC.

q. There will be no deviations from the approved packet unless approved by Range Control in writing.

Note: there will be no de-linking or re-linking of any ammunition. Any ammunition that has been de-or re-linked is considered nonstandard and is prohibited from the range.

7. **Opening of Range**

a. The unit will have in it's posession the approved 144R, approved 350-19-1, approved RFMSS Request summary, Range SOP, and Unit risk assesment worksheet that has been reviewed by Post Safety, before occupation of the Hastings Range. The OIC will call in to range control and request permission to occupy the range complex for which the unit is scheduled. Appropriate overlays will be posted upon arrival.

8. **Safety:**

a. 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 by Range Control.

b. 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.

c. 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 by Range Control. An investigation is required and will be conducted by the ammunition and weapons inspection personnel and DOL.

d. The emergency cease fire signal and E-911 medical evacuation procedures will be briefed at the range safety brief.

e. A Field Litter Ambulance with qualified medics will be present through the duration of the gunnery.

f. All vehicles will be cleared by Range Safety Officer or Master Gunner when complete with firing.

g. Vehicles will remain generally adjacent to one another (online) while firing. At no time will a vehicle fire while another is to its front.

h. When firing dual lanes only approved targets that will be used are targets that are common to both firing points.

i. In the event of a suspected round out of impact CEASE FIRE FREEZE will be given. Range Control will be notified immediately. The weapons system in question will not be touch or moved untill cleared by Range Control.

j. Gate guards will have constant communication with the Range OIC. In the event a Unit or Range Control element needs to leave or travel to Hastings, the Range will be put into a cease fire through the Range Contol Radio room. Accountability of the traveling element needs to be maintained at all times. Hastings will not be allowed to go back to a Hot status untill the traveling element has passed through the K26 or K21 (when leaving) or has arrived on the Range and the OIC has verified the elements arrival. At this point the Range Control Radio room will be notified and the Unit will be allowed to continue firing.

k. 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:

- Designation of unit.
- Range and location
- Type of weapon involved.
- Type of ammunition involved.
- Brief summary of what happened.
- Personnel injuries and extent.
- Full Name, SS#, Rank and unit of injured personnel.
- Extent of property damage.
- Intentions regarding an AR 15-6 investigation.

l. Safety briefs will be conducted in the morning before conducting boresighting and in the evening prior to boresighting by the RSO.

m. Class III A lasers are not eye safe on dual low mode within 25 meters. PEM – 1A is not a tactical laser and must be used within 25 meters. Laser Warning Signs will be in place prior

to opening the range. **Range safety briefing will include hazards using Lasers and NVD's.**

9. **Closure of the Range:**

a. The OIC notifies range control that firing has terminated, debriefs unit personnel, and ensures that clearing of the range and training areas is completed to local regulation and SOP standard.

b. The NCOIC supervises ammunition and target details and ensures that range facilities have been policed.

c. The Ammunition NCO ensures that only authorized personnel remove munitions from the range and prepares the residue documentation required by the ammunition supply point. Any found UXO will be reported to Range Control immediatley and taken care of IAW MCoE REG 350-19.

10. The point of contact for this action is SFC Hogan,Travis Master Gunner, Range Survey. COMM (706)544-6267 or travis.r.hogan@us.army.mil

BRAD TESCH
GS12, CHIEF, RANGE OPERATION
RANGE DIVISION

SUBJECT: Concept of Operation for Hastings Range

ENC 1

WEAPONS SAFETY AND CONTROL STATUS

1 Ammunition Status	
Item	
RED	Rounds loaded / Magazine Loaded
Yellow	Magazine loaded, chamber clear
Green	Magazine out, chamber clear
2 Weapons Control Status	
Item	
HOLD	Engage only if engaged (threat) or ordered to do so. Must have positive ID
TIGHT	Can engage if target is positively identified as enemy
FREE	Can engage unless target is positively identified as friendly

*****Do not carry weapons on anything but safe - you will transition only when prepared to fire**

	Weapons Safety Posture		
Weapon Type	**GREEN**	**AMBER**	**RED**
M9	Weapon cleared and on safe; magazine out of weapon	Magazine in weapon; no round in chamber; weapon on safe	Magazine in weapon; round chambered; weapon on safe
M16	Weapon cleared and on safe; magazine out of weapon	Magazine in weapon; no round in chamber; weapon on safe	Magazine in weapon; round chambered; weapon on safe
M203	Weapon cleared and on safe; rounds carried	No round in the chamber; weapon on safe; ammo ready	Round chambered; weapon on safe
M249	Weapon cleared and on safe; ammo carried	Half cocked – bolt forward; weapon on safe, rounds in tray; no rounds in chamber	Weapon charged – open bolt position; ammo in feed tray; weapon on safe
M240/ M240B	Weapon cleared and on safe; ammo carried	Bolt forward; weapon on safe, rounds in tray, no rounds in chamber	Weapon charged – open bolt position; ammo in feed tray; weapon on safe
M60	Weapon cleared and on safe; ammo carried	Bolt forward; weapon on safe, rounds in tray; no rounds in chamber	Weapon charged – open bolt position; ammo in feed tray; weapon on safe
M2	Weapon cleared and on safe; ammo carried	Bolt forward; weapon on safe, rounds in tray; no rounds in chamber	Weapon charged; round in chamber; weapon on safe
MK19	Weapon cleared and on safe; ammo carried	Weapon on safe; no round in chamber; ammo in feed tray	Round on face of bolt; weapon on safe; charged open bolt position
TOW	No missile in tube; launcher in stowed position	Missile in tube; launcher in stowed position, system on electric safe	Missile in tube; launcher raised; system on electric safe
25mm	Weapon cleared and on electrical and mechanical safe; ammo stowed	Round in feeder; no ghost rounds cycled; electrical and mechanical safe	Ghost round cycled; electrical and mechanical safe
120mm	Breech closed; no round in tube; system on electrical and mechanical safe	Breech opened; system on electrical and mechanical safe; rounds stowed	Gun tube loaded; weapon on electrical and mechanical safe

Hastings Range, Range Survey (Log #) Tank Weapons/Ammo List Enclosure				
Firing Positions	**Weapons**	**Ammunition**	**Left Limit Mils, Grid Az**	**Right Limit Mils, Grid Az**
Screen line Left GA 2032 9769 Right GA 2032 9772	M1 Tank M256	120mm M831/M865/M1002	4865	4885
Screen line Left GA 2040 9761 Right GA 2037 9765	M1 Tank, M2, M240C	.50 cal Ball/Tracer	4260	4360
Screen line Left GA 2040 9761 Right GA 2037 9765	M1 Tank, M2, M240C	7.62mm Ball/Tracer	4130	4230
10 Meter Zero Left GA 2032 9769 Right GA 2032 9772	M1 Tank, M2, M240C, M249	.50 cal Ball/Tracer, 7.62mm Ball/Tracer, 5.56mm	4780	4965

Hastings Range, Survey Section/ (Log #) Target List Enclosure			
Firing Positions	**Weapons**	**Ammunition**	**Targets**
BP 1A GA 2066 9721	M1 Tank, M2	.50 cal Ball/Tracer	V: 3-6, 8, 14, 15, 17, 20-26, 28-30 M: 1, 5
BP 1A GA 2066 9721	M1 Tank, M240C	7.62mm Ball/Tracer	V: 3, 4 P: 3, 4, 5 F: 20, 30A, 30B
BP 1A GA 2066 9721	M1 Tank M256	120mm M831	V: 3, 4, 5, 6, 9, 12, 14, 15, 17, 20-26, 28-30 M: 1, 5, 6
BP 1B GA 2023 9687	M1 Tank, M2	.50 cal Ball/Tracer	V: 3, 5, 6, 9, 14, 24, 25, 28-30 M: 1, 5
BP 1B GA 2023 9687	M1 Tank, M240C	7.62mm Ball/Tracer	V: 3, 5, 6 P: 3, 4, 5, 8, 9 F: 30A
BP 1B GA 2023 9687	M1 Tank M256	120mm M831	V: 2, 3, 5, 6, 8, 9, 10, 14, 17, 20-26, 28-30 M: 5
BP 2A GA 2057 9731	M1 Tank, M2	.50 cal Ball/Tracer	V: 3-6, 8-18, 20, 22-26, 28-30 M: 1, 3, 4-6
BP 2A GA 2057 9731	M1 Tank, M240C	7.62mm Ball/Tracer	V: 3, 4, 12, 15 P: 3, 4, 5, 9 F: 20, 30A, 30B
BP 2A GA 2057 9731	M1 Tank M256	120mm M831	V: 3, 4, 5, 6, 8, 9, 12, 14, 15, 17, 20-26, 28-30 M: 1, 5, 6
BP2B GA 2019 9707	M1 Tank M256, M2	.50 cal Ball/Tracer	V: 2-9, 11, 12, 14-20, 22, 23, 26, 28 M: 2-5
BP2B GA 2019 9707	M1 Tank, M240C	7.62mm Ball/Tracer	V: 2-8, 11, 12, 15 P: 2-13 F: 20, 30A, 30B, 40A, 40B, 50
BP2B GA 2019 9707	M1 Tank M256	120mm M831, M865, M1002	V: 3, 4, 6, 9, 12, 14, 15, 21, 22, 24, 25, 28, 29, 30 M: 5, 6

Hastings Range, Range Survey (Log #) Tank Weapons/Ammo List Enclosure				
Firing Positions	**Weapons**	**Ammunition**	**Left Limit Mils, Grid Az**	**Right Limit Mils, Grid Az**
BP 1A GA 2066 9721	M1 Tank, M2	.50 cal Ball/Tracer	4475	4940
BP 1A GA 2066 9721	M1 Tank, M240C	7.62mm Ball/Tracer	4455	4795
BP 1A GA 2066 9721	M1 Tank M256	120mm M831	4535	5020
BP 1B GA 2023 9687	M1 Tank, M2	.50 cal Ball/Tracer	4700	5300
BP 1B GA 2023 9687	M1 Tank, M240C	7.62mm Ball/Tracer	4845	5300
BP 1B GA 2023 9687	M1 Tank M256	120mm M831	4585	5185
BP 2A GA 2057 9731	M1 Tank, M2	.50 cal Ball/Tracer	4260	4980
BP 2A GA 2057 9731	M1 Tank, M240C	7.62mm Ball/Tracer	4310	4790
BP 2A GA 2057 9731	M1 Tank M256	120mm M831	4370	4980
BP2B GA 2019 9707	M1 Tank, M2	.50 cal Ball/Tracer	4085	5180
BP2B GA 2019 9707	M1 Tank, M240C	7.62mm Ball/Tracer	4020	5180
BP2B GA 2019 9707	M1 Tank M256	120mm M831/M865/M1002	4655	5180

Hastings Range, Survey Section/ (Log #) Tank Target List Enclosure			
Firing Positions	**Weapons**	**Ammunition**	**Targets**
FP 1-1 Start GA 2068 9720 Stop GA 2048 9703	M1 Tank, M2	.50 cal Ball/Tracer	V: 3-6, 8, 17, 20-24
FP 1-1 Start GA 2068 9720 Stop GA 2048 9703	M1 Tank, M240C	7.62mm Ball/Tracer	V: 3-6 P: 3, 4, 5, 8, 9 F: 30A
FP 1-1 Start GA 2068 9720 Stop GA 2048 9703	M1 Tank M256	120mm M831	V: 3, 4, 5, 6, 9, 12, 14, 15, 21, 22, 24, 25, 26, 28, 29, 30 M: 5, 6
FP1-2 Start GA 2014 9685 Stop GA 2005 9682	M1 Tank, M2	.50 cal Ball/Tracer	V: 2, 5, 8, 10, 11, 13, 16-24, 26, 28-30 M: 3, 4, 5
FP1-2 Start GA 2014 9685 Stop GA 2005 9682	M1 Tank, M240C	7.62mm Ball/Tracer	V: 2, 5, 8, 10, 11, 13 P: 7, 8, 10, 11, 12, 14, 16 F: 30A, 40A, 40B, 50
FP1-2 Start GA 2014 9685 Stop GA 2005 9682	M1 Tank M256	120mm M831	V: 1, 2, 5, 7, 8-11, 13, 14, 16, 17, 18-24, 26, 28-30 M: 2-5
FP1-3 Start GA 1974 9674 Stop GA 1962 9674	M1 Tank, M2	.50 cal Ball/Tracer	V: 10, 11, 13, 16-24, 26, 28-30 M: 3, 4, 5
FP1-3 Start GA 1974 9674 Stop GA 1962 9674	M1 Tank, M240C	7.62mm Ball/Tracer	V: 10, 11, 13, 16-22 P: 12, 14-17 M: 3, 4 F: 50, 40A
FP1-3 Start GA 1974 9674 Stop GA 1962 9674	M1 Tank M256	120mm M831, M865, M1002	V: 10, 11, 13, 16, 18, 19, 23 M: 3, 4
FP 1-4 Start GA 1952 9674 Stop GA 1937 9673	M1 Tank, M2	.50 cal Ball/Tracer	V: 13, 16-24, 26, 28-30 M: 3, 4, 5
FP 1-4 Start GA 1952 9674 Stop GA 1937 9673	M1 Tank, M240C	7.62mm Ball/Tracer	V: 13, 16-24, 26 P: 15, 16, 17, 18 M: 3, 4
FP 1-4 Start GA 1952 9674 Stop GA 1937 9673	M1 Tank M256	120mm M831, M865, M1002	V: 13, 16, 18, 19, 20, 23, 26 M: 3, 4

Hastings Range, Range Survey (Log #) Tank Weapons/Ammo List Enclosure				
Firing Positions	**Weapons**	**Ammunition**	**Left Limit Mils, Grid Az**	**Right Limit Mils, Grid Az**
FP 1-1 Start GA 2068 9720 Stop GA 2048 9703	M1 Tank, M2	.50 cal Ball/Tracer	Start 4490 Stop 4590	Start 4845 Stop 4960
FP 1-1 Start GA 2068 9720 Stop GA 2048 9703	M1 Tank, M240C	7.62mm Ball/Tracer	Start 4475 Stop 4605	Start 4810 Stop 4970
FP 1-1 Start GA 2068 9720 Stop GA 2048 9703	M1 Tank M256	120mm M831	Start 4590 Stop 4650	Start 5025 Stop 5130
FP1-2 Start GA 2014 9685 Stop GA 2005 9682	M1 Tank, M2	.50 cal Ball/Tracer	Start 4400 Stop4400	Start 5020 Stop 5110
FP1-2 Start GA 2014 9685 Stop GA 2005 9682	M1 Tank, M240C	7.62mm Ball/Tracer	Start 4400 Stop4400	Start 5020 Stop 5110
FP1-2 Start GA 2014 9685 Stop GA 2005 9682	M1 Tank M256	120mm M831	Start 4235 Stop4215	Start 5210 Stop 5250
FP1-3 Start GA 1974 9674 Stop GA 1962 9674	M1 Tank, M2	.50 cal Ball/Tracer	Start 4340 Stop4270	Start 5155 Stop5195
FP1-3 Start GA 1974 9674 Stop GA 1962 9674	M1 Tank, M240C	7.62mm Ball/Tracer	Start 4340 Stop4270	Start 5095 Stop 5255
FP1-3 Start GA 1974 9674 Stop GA 1962 9674	M1 Tank M256	120mm M831/M865/M1002	Start 4340 Stop4270	Start 4730 Stop 4725
FP 1-4 Start GA 1952 9674 Stop GA 1937 9673	M1 Tank, M2	.50 cal Ball/Tracer	Start 4200 Stop3995	Start 5225 Stop5285
FP 1-4 Start GA 1952 9674 Stop GA 1937 9673	M1 Tank, M240C	7.62mm Ball/Tracer	Start 4200 Stop3995	Start 5095 Stop5150
FP 1-4 Start GA 1952 9674 Stop GA 1937 9673	M1 Tank M256	120mm M831, M865, M1002	Start 4200 Stop3995	Start 4800 Stop4810

Hastings Range, Survey Section/ (Log #) Tank Target List Enclosure			
Firing Positions	**Weapons**	**Ammunition**	**Targets**
FP 2-1 Start GA 2056 9733 Stop GA 2039 9716	M1 Tank, M2	.50 cal Ball/Tracer	V: 3-6, 8-25 M: 1, 3, 4, 5, 6
FP 2-1 Start GA 2056 9733 Stop GA 2039 9716	M1 Tank, M240C	7.62mm Ball/Tracer	V: 3-6, 8, 12, 15 P: 3, 4, 5, 8, 9, 10 M: 1 F: 30A, 30B, 40A, 40B
FP 2-1 Start GA 2056 9733 Stop GA 2039 9716	M1 Tank M256	120mm M831	V: 3, 4, 5, 6, 9, 12, 14, 15, 17, 20, 21, 22, 23, 24, 25, 26, 28-30 M: 1, 5, 6
FP 2-2 Start GA 2009 9699 Stop GA 2001 9695	M1 Tank, M2	.50 cal Ball/Tracer	V: 2, 3, 5-8, 10, 11, 13, 16-26, 28-30 M: 1-5
FP 2-2 Start GA 2009 9699 Stop GA 2001 9695	M1 Tank, M240C	7.62mm Ball/Tracer	V: 2, 3, 5-8, 10, 11, 13 P: 3, 4, 5, 7-14, 16 M: 1, 2 F: 30A, 40A, 40B, 50
FP 2-2 Start GA 2009 9699 Stop GA 2001 9695	M1 Tank M256	120mm M831, M865, M1002	V: 3, 5, 6, 9, 14, 21, 22, 24, 25, 28-30 M: 5
FP 2-3 Start GA 1975 9686 Stop GA 1962 9686	M1 Tank, M2	.50 cal Ball/Tracer	V: 8, 10, 13, 16-24, 26, 28-30 M: 3, 4, 5
FP 2-3 Start GA 1975 9686 Stop GA 1962 9686	M1 Tank, M240C	7.62mm Ball/Tracer	V: 8, 10, 13, 16-21 P: 10, 12, 14, 15, 16, 17 M: 3 F: 40B, 50
FP 2-3 Start GA 1975 9686 Stop GA 1962 9686	M1 Tank M256	120mm M831, M865, M1002	V: 21, 24, 25, 28, 29, 30 M: 5
FP 2-4 Start GA 1952 9686 Stop GA 1937 9687	M1 Tank, M2	.50 cal Ball/Tracer	V: 14, 17, 20-26, 28-30 M: 5
FP 2-4 Start GA 1952 9686 Stop GA 1937 9687	M1 Tank, M240C	7.62mm Ball/Tracer	V: 17, 20-26 P: 15, 16, 17, 18 M: 5
FP 2-4 Start GA 1952 9686 Stop GA 1937 9687	M1 Tank M256	120mm M831, M865, M1002	V: 21, 24, 25, 28, 29, 30 M: 5

Hastings Range, Range Survey (Log #) Tank Weapons/Ammo List Enclosure				
Firing Positions	**Weapons**	**Ammunition**	**Left Limit Mils, Grid Az**	**Right Limit Mils, Grid Az**
FP 2-1 Start GA 2056 9733 Stop GA 2039 9716	M1 Tank, M2	.50 cal Ball/Tracer	Start 4240 Stop 4280	Start 4970 Stop 5075
FP 2-1 Start GA 2056 9733 Stop GA 2039 9716	M1 Tank, M240C	7.62mm Ball/Tracer	Start 4255 Stop 4315	Start 4770 Stop 4980
FP 2-1 Start GA 2056 9733 Stop GA 2039 9716	M1 Tank M256	120mm M831	Start 4405 Stop 4500	Start 4970 Stop 5075
FP 2-2 Start GA 2009 9699 Stop GA 2001 9695	M1 Tank, M2	.50 cal Ball/Tracer	Start 4285 Stop4055	Start 5235 Stop 5365
FP 2-2 Start GA 2009 9699 Stop GA 2001 9695	M1 Tank, M240C	7.62mm Ball/Tracer	Start 4285 Stop4055	Start 5235 Stop 5400
FP 2-2 Start GA 2009 9699 Stop GA 2001 9695	M1 Tank M256	120mm M831/M865/M1002	Start 4705 Stop 4725	Start 5150 Stop 5190
FP 2-3 Start GA 1975 9686 Stop GA 1962 9686	M1 Tank, M2	.50 cal Ball/Tracer	Start 4220 Stop4135	Start 5075 Stop5100
FP 2-3 Start GA 1975 9686 Stop GA 1962 9686	M1 Tank, M240C	7.62mm Ball/Tracer	Start 4220 Stop4120	Start 4870 Stop 4885
FP 2-3 Start GA 1975 9686 Stop GA 1962 9686	M1 Tank M256	120mm M831/M865/M1002	Start 4825 Stop 4830	Start 5160 Stop 5200
FP 2-4 Start GA 1952 9686 Stop GA 1937 9687	M1 Tank, M2	.50 cal Ball/Tracer	Start 4580 Stop4525	Start 5355 Stop5420
FP 2-4 Start GA 1952 9686 Stop GA 1937 9687	M1 Tank, M240C	7.62mm Ball/Tracer	Start 4455 Stop4275	Start 5235 Stop5295
FP 2-4 Start GA 1952 9686 Stop GA 1937 9687	M1 Tank M256	120mm M831, M865, M1002	Start 4830 Stop4825	Start 5235 Stop5295

Hastings Range, Survey Section/ (Log #) Tank Target List Enclosure			
Firing Positions	**Weapons**	**Ammunition**	**Targets**
SH 1A GA 1975 9675	M1 Tank, M2	.50 cal Ball/Tracer	V: 7, 8, 10, 11, 13, 16-26, 28-30 M: 2-5
SH 1A GA 1975 9675	M1 Tank, M240C	7.62mm Ball/Tracer	V:7, 8, 10, 11, 13, 16-19 P: 7, 10-17 F: 40A, 40B, 50 M: 2, 3
SH 1A GA 1975 9675	M1 Tank M256	120mm M831, M865, M1002	V: 10, 11, 13, 16, 18-20, 23, 26 M: 3, 4
SH 2A GA 1953 9673	M1 Tank, M2	.50 cal Ball/Tracer	V: 10, 11, 13, 16-24, 26, 28-30 M: 3, 4, 5
SH 2A GA 1953 9673	M1 Tank, M240C	7.62mm Ball/Tracer	V: 10, 11, 13, 16-23 P: 14, 15, 16, 17 M: 3, 4
SH 2A GA 1953 9673	M1 Tank M256	120mm M831, M865, M1002	V: 10, 13, 16-24, 26, 28-30 M: 3, 4
SH 3A GA 1933 9673	M1 Tank, M2	.50 cal Ball/Tracer	V: 16-24, 26, 28-30 M: 3-5
SH 3A GA 1933 9673	M1 Tank, M240C	7.62mm Ball/Tracer	V: 18-24, 26 P: 15-18 M: 3-5
SH 3A GA 1933 9673	M1 Tank M256	120mm M831, M865, M1002	V: 16, 18, 19, 20, 23, 26 M: 3, 4

Hastings Range, Range Survey (Log #) Tank Weapons/Ammo List Enclosure				
Firing Positions	**Weapons**	**Ammunition**	**Left Limit Mils, Grid Az**	**Right Limit Mils, Grid Az**
SH 1A GA 1975 9675	M1 Tank, M2	.50 cal Ball/Tracer	4015	5245
SH 1A GA 1975 9675	M1 Tank, M240C	7.62mm Ball/Tracer	4015	5200
SH 1A GA 1975 9675	M1 Tank M256	120mm M831/M865/M1002	4335	4790
SH 2A GA 1953 9673	M1 Tank, M2	.50 cal Ball/Tracer	4140	5225
SH 2A GA 1953 9673	M1 Tank, M240C	7.62mm Ball/Tracer	4140	5050
SH 2A GA 1953 9673	M1 Tank M256	120mm M831/M865/M1002	4210	5125
SH 3A GA 1933 9673	M1 Tank, M2	.50 cal Ball/Tracer	3995	5310
SH 3A GA 1933 9673	M1 Tank, M240C	7.62mm Ball/Tracer	3995	5310
SH 3A GA 1933 9673	M1 Tank M256	120mm M831/M865/M1002	3995	4815

Hastings Range, Survey Section/ (Log #) Tank Target List Enclosure			
Firing Positions	**Weapons**	**Ammunition**	**Targets**
SH 1B GA 1976 9686	M1 Tank, M2	.50 cal Ball/Tracer	V: 8, 10, 13, 16-24, 26, 28-30 M: 3, 4, 5
SH 1B GA 1976 9686	M1 Tank, M240C	7.62mm Ball/Tracer	V: 8, 10, 13, 16, 17 P: 10, 12, 14-17 M: 3 F: 40A, 40B, 50
SH 1B GA 1976 9686	M1 Tank M256	120mm M831, M865, M1002	V: 21, 24, 25, 28, 29, 30 M: 5
SH 2B GA 1957 9686	M1 Tank, M2	.50 cal Ball/Tracer	V: 17, 20-24, 26, 28-30 M: 5
SH 2B GA 1957 9686	M1 Tank, M240C	7.62mm Ball/Tracer	V: 17, 20, 21, 22 P: 15, 16, 17 F: 40B, 50
SH 2B GA 1957 9686	M1 Tank M256	120mm M831	V: 17, 20, 21, 22, 24-26, 28-30 M: 5
SH 3B GA 1933 9688	M1 Tank, M2	.50 cal Ball/Tracer	V: 17, 20-26, 28-30 M: 5
SH 3B GA 1933 9688	M1 Tank, M240C	7.62mm Ball/Tracer	V: 17, 20-26 P: 17, 18 M: 5
SH 3B GA 1933 9688	M1 Tank M256	120mm M831, M865, M1002	V: 21, 24, 25, 28-30 M: 5

Hastings Range, Range Survey (Log #01-10-13) Tank Weapons/Ammo List Enclosure				
Firing Positions	**Weapons**	**Ammunition**	**Left Limit Mils, Grid Az**	**Right Limit Mils, Grid Az**
SH 1B GA 1976 9686	M1 Tank, M2	.50 cal Ball/Tracer	4230	5075
SH 1B GA 1976 9686	M1 Tank, M240C	7.62mm Ball/Tracer	4230	4810
SH 1B GA 1976 9686	M1 Tank M256	120mm M831/M865/M1002	4830	5160
SH 2B GA 1957 9686	M1 Tank, M2	.50 cal Ball/Tracer	4595	5115
SH 2B GA 1957 9686	M1 Tank, M240C	7.62mm Ball/Tracer	4485	4890
SH 2B GA 1957 9686	M1 Tank M256	120mm M831	4635	5220
SH 3B GA 1933 9688	M1 Tank, M2	.50 cal Ball/Tracer	4505	5310
SH 3B GA 1933 9688	M1 Tank, M240C	7.62mm Ball/Tracer	4505	5310
SH 3B GA 1933 9688	M1 Tank M256	120mm M831/M865/M1002	4820	5310

UNIT: ABOLC

EVENT: Basic Gunnery - Day - Lane 1

FIRING DATES:

POC: SSG JESPERSON

PHONE: 706-626-8321

DATE SUBMITTED:

STEP #	OFF/ DEF	BP/ FB	AMMO	PRI TGT	TARGET TYPE	# HITS TO KILL	ALT TGT	EXP (sec)	DELAY (sec)	MOVER DIRECTION	SPEED (mph)	REMARKS
1	DEF	BP1A	120mm HEAT-TP-T	V3	PC	1	V: 4, 5, 6, 9, 12, 14, 15, 17, 20-26, 28-30,	MAX	0			Tank occupies FB1A at completion of lane 2 engagement
2	OFF	MAN 1-1	120mm HEAT-TP-T	M5	T72	1	M6	MAX	0	R to L	8	Tank occupies BP1B at completion of lane 2 engagement
3	DEF	BP1B	.50 cal	V5	TECH TRUCK	3	V: 3, 6, 9, 14, 24, 25, 28-30	MAX	0			Tank occupies FB1B at completion of lane 2 engagement
4	OFF	MAN 1-2	7.62mm	P10	TROOPS	1	P: 7, 8, 11, 12, 14, 16	MAX	0			Tank occupies SH1A at completion of lane 2 engagement
5	DEF	SH3A	120mm TPCSDS-T	V26	T72	1	V: 16, 18, 19, 20, 23	MAX	0			Completes day run after completion of lane 2 engagement
		SH3A	.50 cal	V22	TECH TRUCK	1	V:17, 20-26, 28-30V26	MAX	0			Retrograde to clearing pit

UNIT: ABOLC

EVENT: Basic Gunnery - Day - Lane 2

FIRING DATES:

POC: SSG JESPERSON

PHONE: 706-626-8321

DATE SUBMITTED:

STEP #	OFF/ DEF	BP/ FB	AMMO	PRI TGT	TARGET TYPE	# HITS TO KILL	ALT TGT	EXP (sec)	DELAY (sec)	MOVER DIRECTION	SPEED (mph)	REMARKS
1	DEF	BP2A	120mm HEAT-TP-T	V12	PC	1	V: 3, 4, 5, 6, 8, 9, 14, 15, 17, 20-26, 28-30	MAX	0			Tank occupies FB2A at completion of lane 1 engagement
2	OFF	MAN 2-1	120mm HEAT-TP-T	M1	T72	1	M: 5, 6	MAX	0	R to L	8	Tank occupies BP2B at completion of lane 1 engagement
3	DEF	BP2B	.50 cal	V6	TECH TRUCK	3	V: 2-9, 11, 12, 14-20, 22, 23, 26, 28	MAX	0			Tank occupies FB2B at completion of lane 1 engagement
4	OFF	MAN 2-2	7.62mm	P7	TROOPS	1	P: 3, 4, 5	MAX	0			Tank occupies SH2A at completion of lane 1 engagement
5	DEF	SH3B	120mm TPCSDS-T	V21	T72	1	V: 24, 25, 28-30	MAX	0			Completes day run after completion
		SH3B	.50 cal	V20	TECH TRUCK	1	V: 17, 21-26, 28-30	MAX	0			Retrograde to clearing pit

UNIT: ABOLC

EVENT: Basic Gunnery - Night - Lane 1

FIRING DATES:

POC: SSG JESPERSON

PHONE: 706-626-8321

DATE SUBMITTED:

STEP #	OFF/ DEF	BP/ FB	AMMO	PRI TGT	TARGET TYPE	# HITS TO KILL	ALT TGT	EXP (sec)	DELAY (sec)	MOVER DIRECTION	SPEED (mph)	REMARKS
1	DEF	BP1A	7.62mm	P5	TROOPS	1	P: 3, 4	MAX	0			Tank occupies FB1A at completion of lane 2 engagement
2	OFF	MAN 1-1	7.62mm	V3	TECH TRUCK	3	V: 4-6	MAX	0			Tank occupies BP1B at completion of lane 2 engagement
3	DEF	BP1B	120mm HEAT-TP-T	V17	T72	1	V: 2, 3, 5, 6, 8, 9, 10, 14, 17, 20-26, 28-30	MAX	0			Completes night run after completion of lane 2 engagement
	DEF	BP1B	120mm HEAT-TP-T	V25	T72	1	V: 2, 3, 5, 6, 8, 9, 10, 14, 17, 20-26, 28-30	MAX	15			Retrograde to clearing pit

ABOLC

EVENT: Basic Gunnery - Night - Lane 2

UNIT: _____

FIRING DATES: _____

SSG JESPERSON

PHONE: 706-626-8321

POC: _____

DATE SUBMITTED: _____

STEP #	OFF/ DEF	BP/ FB	AMMO	PRI TGT	TARGET TYPE	# HITS TO KILL	ALT TGT	EXP (sec)	DELAY (sec)	MOVER DIRECTION	SPEED (mph)	REMARKS
1	DEF	BP2A	7.62mm	P4	TROOPS	1	P: 3, 5, 9	MAX	0			Tank occupies FB2A at completion of lane 1 engagement
2	OFF	MAN 2-1	7.62mm	V12	TECH TRUCK	3	V: 3-6, 8, 15	MAX	0			Tank occupies BP2B at completion of lane 1 engagement
3	DEF	BP2B	120mm TPCSDS-T	V15	T72	1	V: 3, 4, 6, 9, 12, 14, 21, 22, 24, 25, 28, 29, 30	MAX	0			Completes night run after completion
	DEF	BP2B	120mm TPCSDS-T	V25	T72	1	V: 3, 4, 6, 9, 12, 14, 15, 21, 22, 24, 28, 29, 30	MAX	15			Retrograde to clearing pit

ABOLC

EVENT: .50 CAL Day - Lane 1

UNIT: _____

FIRING DATES: _____

SSG JESPERSON

PHONE: 706-626-8321

POC: _____

DATE SUBMITTED: _____

STEP #	OFF/ DEF	BP/ FB	AMMO	PRI TGT	TARGET TYPE	# HITS TO KILL	ALT TGT	EXP (sec)	DELAY (sec)	MOVER DIRECTION	SPEED (mph)	REMARKS
1	DEF	BP1B	.50 cal	V3	TECH TRUCK	1	V: 5, 6, 9, 14, 24, 25, 28-30	MAX	0			
2	OFF	MAN 1-2	.50 cal	V5	TECH TRUCK	3	V: 2, 8, 10, 11, 13, 16-24, 26, 28-30	MAX	0			
3	DEF	SH1A	.50 cal	V7	RPG TM	1	V: 8, 10, 11, 13, 16-26, 28-30	MAX	0			POPSICKLE STICK TARGET FORM
	DEF	SH1A	.50 cal	V7	TECH TRUCK	3	V: 8, 10, 11, 13, 16-26, 28-30	MAX	0			

ABOLC EVENT: .50 CAL Day - Lane 2

UNIT: _____ _____ FIRING DATES: _____

SSG JESPERSON PHONE: 706-626-8321

POC: _____ _____ DATE SUBMITTED: _____

STEP #	OFF/ DEF	BP/ FB	AMMO	PRI TGT	TARGET TYPE	# HITS TO KILL	ALT TGT	EXP (sec)	DELAY (sec)	MOVER DIRECTION	SPEED (mph)	REMARKS
1	DEF	BP2B	.50 cal	V2	TECH TRUCK	3	V: 3-9, 11, 12, 14-20, 22, 23, 26, 28	MAX	0			
2	OFF	MAN 2-2	.50 cal	V11	TECH TRUCK	3	V: 2, 3, 5-8, 10, 13, 16-26, 28-30	MAX	0			
3	DEF	SH2A	.50 cal	V10	RPG TM	1	V: 11, 13, 16-24, 26, 28-30	MAX	0			POPSICKLE STICK TARGET FORM
	DEF	SH2A	.50 cal	V18	TECH TRUCK	3	V: 10, 11, 13, 16-24, 26, 28-30	MAX	0			

ABOLC EVENT: .50 CAL Night - Lane 1

UNIT:_____ _____ FIRING DATES:_____

SSG JESPERSON PHONE: 706-626-8321

POC:_____ _____ DATE SUBMITTED:_____

STEP #	OFF/ DEF	BP/ FB	AMMO	PRI TGT	TARGET TYPE	# HITS TO KILL	ALT TGT	EXP (sec)	DELAY (sec)	MOVER DIRECTION	SPEED (mph)	REMARKS
1	DEF	SH1A	.50 cal	V7	TROOPS	1	V: 8, 10, 11, 13, 16-26, 28-30	MAX	0			
2	OFF	MAN 1-3	.50 cal	V16	TECH TRUCK	3	V: 10, 11, 13, 17-24, 26, 28-30	MAX	0			
3	DEF	SH1B	.50 cal	V8	TROOPS	1	V:10, 13, 16-24, 26, 28-30	MAX	0			
	DEF	SH1B	.50 cal	V20	TECH TRUCK	3	V: 8, 10, 13, 16-24, 26, 28-30	MAX	0			

ABOLC

EVENT: .50 CAL Night - Lane 2

UNIT: _____

FIRING DATES: _____

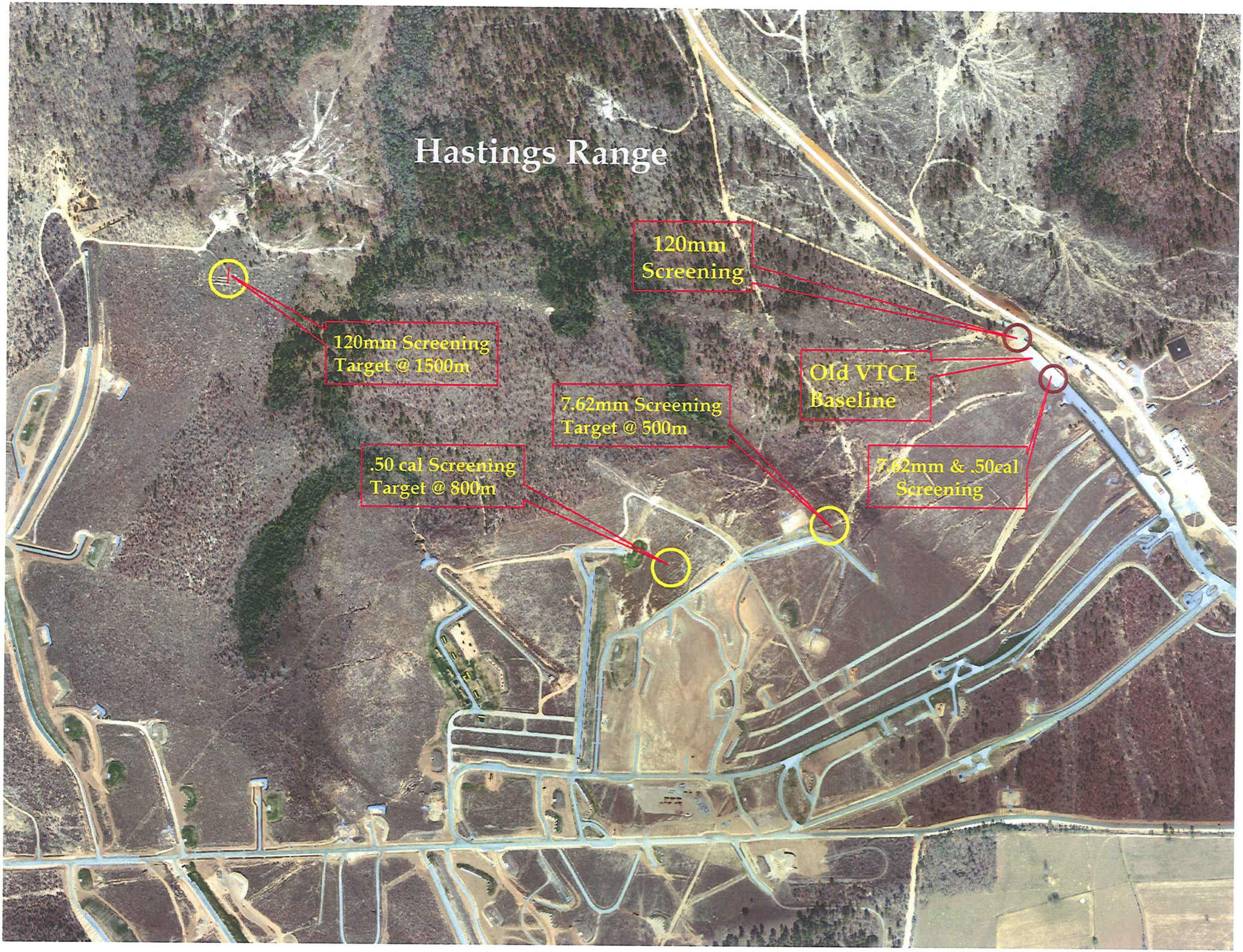
SSG JESPERSON

PHONE: 706-626-8321

POC: _____

DATE SUBMITTED: _____

STEP #	OFF/ DEF	BP/ FB	AMMO	PRI TGT	TARGET TYPE	# HITS TO KILL	ALT TGT	EXP (sec)	DELAY (sec)	MOVER DIRECTION	SPEED (mph)	REMARKS
1	DEF	SH2A	.50 cal	V10	TROOPS	1	V: 11, 13, 16-24, 26, 28-30	MAX	0			
2	OFF	MAN 2-3	.50 cal	V8	TECH TRUCK	3	V: 10, 13, 16-24, 26, 28-30	MAX	0			
3	DEF	SH2B	.50 cal	V17	TROOPS	1	V: 20, 21, 22	MAX	0			
	DEF	SH2B	.50 cal	V20	TECH TRUCK	3	V: 17, 21, 22	MAX	0			


Hastings Range
120mm Screening
120mm Screening Target @ 1500m
Old VTCE Baseline
7.62mm Screening Target @ 500m
.50 cal Screening Target @ 800m
7.62mm & .50cal Screening

Hastings Standard Gunnery, Range Division Standard Kilo Area Roadblocks 25 Feb 2013 Log # 01-10-13

#	GRID	LOCATION	TYPE
K-2	GA 163 883	Across Box Springs Rd 125m N. of its intersection with Buena Vista Rd.	Gate
K-3	GA 153 894	Across entrance road leading to Concord OP 250m N. of its intersection with Buena Vista Rd.	Gate
K-4	GA 144 901	Across entrance road leading to Hartell Bunkers 50m N. its of intersection with Buena Vista Rd.	Gate
K-5	GA 117 920	Across Shamanski Rd 25m N. of its intersection with Buena Vista Rd.	Gate
K-8	GA 099 947	Across Bulls Eye Rd 50m E of its intersection with Lorraine Road.	Gate
K-9	GA 103 921	Across Buena Vista Rd 40m E of the intersection with Moore Rd (Road Guard Location)	Gate
K-9A	GA 106 919	Across tank trail 200m W of the Upatoi Creek ford site.	Gate
K-10	GA 118 920	Across Buena Vista Rd at K-5 road block.	Gate
K-11	GA 105 927	Across Moore Rd 20m N. of its intersection with Audernarde Trail. Entrance to Terry Demo Rng. (Road guard location)	Gate
K-12	GA 104 988	Across Old Lorraine Road 600m S of the tower on Brooks Range.	Gate
K-13	GA 112 943	Across Moore Rd 680m N. of its intersection with Bullseye Rd.	Gate
K-14	GA 113 998	Across Moore Rd 10m S. of its intersection with Lorraine Rd.	Gate
K-15	GA 114 999	Across course road leading out of Ruth Range 50m E. of its intersection with Moore Rd.	Gate
K-16	GB 190 003	Across Rinehart Rd 130m W. of its intersection with Box Springs Rd.	Gate
K-16A	GA 172 989	Across Rinehart Rd 20m S. of its intersection with the northern boundary range road.	Gate
K-16B	GA 171 990	Across un-named trail 20m S. of its intersection with the northern boundary range road.	Gate
K-17	GB 116 013	Across unnamed trail 15m E. of Moore Rd and 300m N. of Ruth Range tower.	Gate
K-19	GB 121 023	Across unnamed trail 220m N-E. of Oscar Range Complex Road and 30m S of the northern boundary range road.	Gate
K-20	GB 141 021	Across unnamed trail 550m S of the northern boundary range road.	Cable
K-21	GB 136 027 (Proposed)	Across the northern boundary range road at Cox Creek bridge.	Gate
K-26	GA 201 949	Across Boundry Road 1800m S of its intersection with Turrentine Road	Gate
K-27	GA 201 968	Across Turrentine Rd 10m W. of its intersection with Boundary Rd.	Gate
K-28	GA 191 885	Across Whitson Rd 15m W. of its intersection with Cactus Rd.	Gate
K-29	GA 189 888	Across un-named trail on left side of Cactus Range 300m W of Cactus Road	Gate
K-30	GA 190 890	Across un-named trail on right side of Cactus Range 250m W of Cactus Road.	Gate
K-32	GA 192 915	Across Shamanski Road 35m W of its intersection with Cactus Rd.	Gate
K-36	GA 163 883	Across Buena Vista Rd 50m W. of its intersection with Box Springs Rd. (Road guard location).	Gate
K-36A	GA 163 882	Across Tank Trail 50m W. of its intersection with Box Springs Rd.	Gate
K-38	GA 201 941	Across unnamed trail 35m W. of its intersection with the east boundary road. Permanently closed.	Gate
K-39	GA 202 949	Across unnamed trail 15m W. of its intersection with the east boundary road. Permanently closed.	Gate
K-40	GA 174 908	Across Box Springs Rd 30m S. of Pine Knot Creek.	Gate
K-41	GA 192 944	Across Kennesaw Trail 30m W. of its intersection with Box Springs Rd.	Gate
K-42	GA 193 944	Across Box Springs Rd 10m N. of its intersection with Cactus Rd.	Gate
K-43	GA 203 978	Acrossthe northern boundary range road approx 20m N-W. of the old Hastings Range upper baseline.	Gate
K-44	GA 113 955	Across Moore Rd on the N. side of Carmouche Range maneuver box.	Gate
K-45	GA 115 961	Across Moore Rd 300m S. of its inter-section with the old Ware Range course road.	Gate
K-46	GA 119 979	Across Moore Rd 725m S. of its intersection with Americo Trail	Gate
K-47	GA 176 963	Across Turrentine Rd 1000m W. of mover 4 on Hastings Range	Gate

RECORD OF ENVIRONMENTAL CONSIDERATION (REC)

Date Submitted: 1/7/2013

EMD Number: 1300706 **Project#:** Unknown **Project Title:** Tank, Bradley and Wheeled Gunnery

Description of proposed action:

Tank, Bradley and Wheeled Gunnery will be conducted on Hastings Range along with support operations.

Project Location:

Hastings Range

Amount, Description, Location of Disturbance/Digging:

None

Number of Personnel:

300

Type of Ammunition:

120mm, 25mm, .50 caliber, 7.62mm, 5.56mm Live and Blank

Number/Types of Trees:

None

Size of Project Area: unknown

Duration of Action: Start: 1/7/2013 Stop: 1/7/2014

Proponent: SFC Hogan 7065446267

Organization/Unit: Range Division

Number/Types of Vehicles:

Number of vehicles: 32 M1A2 ABRAMS TANKS, 32 M2 BRADLEYS, 20 HMMWVS, 3 M88, 6 STYKERS, 4 MGS
No-Vehicles will be going off road.

****

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."

****

THIS REC IS GOOD FOR A ONE-TIME ONLY TRAINING EXERCISE – SEE COMMENTS BELOW

Noise Conditions: **Ellis Leeder (706 545 2400), 1/17/2013**

This is a one-time Calendar day approval for the Hasting Range site for supplying Range Operations with interactions of training at Hastings Range. Each operation beyond this approval at Hastings will require a new 144-R until noise contours are updated.

Natural Resources - RCW Conditions: **Michael Barron (706 544 7080), 1/18/2013**

This range will have specific downrange monitoring requirements as detailed in the attached.

Monitoring will be required on weekly and monthly intervals.

Fort Benning Conservation Branch and Fort Benning Range Division will collaborate during the initial operations stage of the MPTR for conducting on-site observations of actual live-fire training. Some elements of the LOS analysis accuracy can be validated by simple observations of areas behind the firing line during live-fire training without any disruptions to military training. Some examples include: spotting of the targets (are targets being hit), visible signs of where rounds strike the ground (puffs of dirt either left, right, high or low) and tracer round trajectories may also provide valuable information.

POC for this action is Tim Marston (706-544-7069) and he must be contacted prior to the first testing of the range to

EMD Number: 1300706 **IJO#** Unknown **Project Title:** Tank, Bradley and Wheeled Gunnery

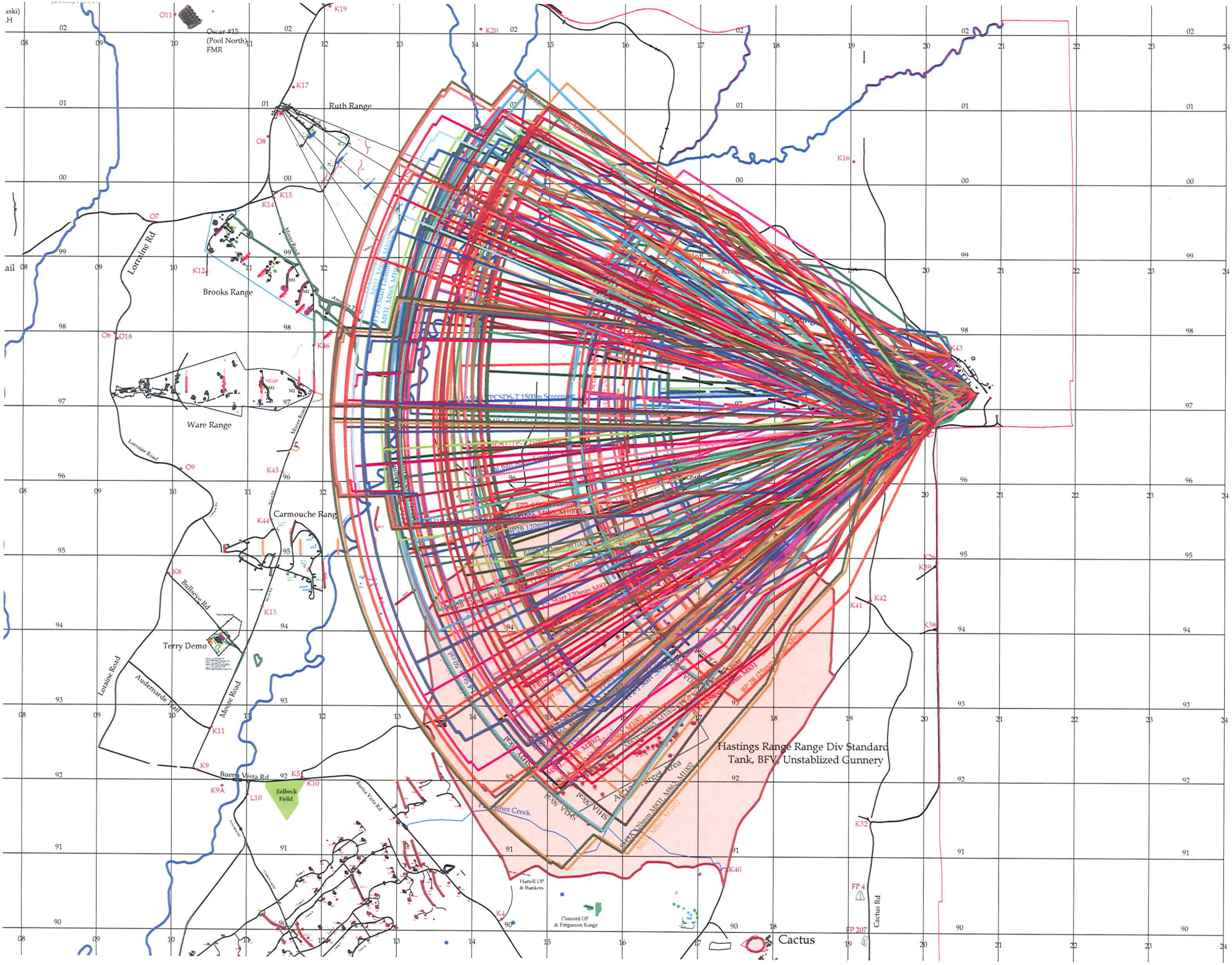
Natural Resources - TES F & W	**None**	**Brent Widener (706 544 7516), 1/7/2013**
Watershed Management	**None**	**Hugh Westbury (706 545 7882), 1/7/2013**
Natural Resources - TES	**None**	**Mark Thornton (706 544 7079), 1/9/2013**

Signature

John E Brown
NEPA Program Manager
Date 24 JAN 2013

Signature

Christopher E. Hamilton, PhD
EPMB Chief
Date


Oscar #15
(Pool North)
FMR
Ruth Range
Brooks Range
Ware Range
Carmouche Range
Terry Demo
Eelbeck Field
Lorraine Rd
Moore Road
Bullseye Rd
Audemarde Road
Buena Vista Rd
Hastings Range Range Div Standard
Tank, BFV, Unstablized Gunnery
Hartell OP
& Bunkers
Concord OP
& Fergusson Range
Cactus
Cactus Rd
FP 4
FP 207