

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 JUN 15
Range: Simpson/Stonehenge Range
Title: Stonehenge: Ind./Buddy/TM Stress Shoot
Problem No:

Log# 2-1-15

THRU: 199th IN BDE
Fort Benning, GA 31905

FROM: 2-11th IN REGT
Fort Benning, GA 31905

SECTION I, TYPE OF TRAINING

a. Live Fire b. Non-live Fire CP/Controller Coordinates: 9164 8071

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
16S FA 9161580677, 9158180681 9157680669 9158580679	M16/M4	5.56 Ball/Trace	2310mils	2835mils
Same as above	M68/AN-PEM1/PAQ4/PEQ2/PEQ4	Laser Aiming Device	NA	NA

SECTION IV, LIVE FIRE EXERCISES Attach the following:

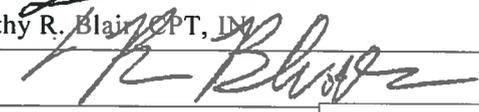
SECTION V, NON-LIVE FIRE TRAINING

- 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:

- 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:
Zachary J. Batcho, CPT, IN

Name/rank of Major Unit S3/Commander:
Timothy R. Blair, CPT, IN

SECTION VI, FOR RANGE DIVISION USE

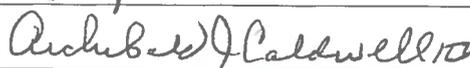
DATE:

TO: S-3 2-II IN
FT. BENNING, GA 31905

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

- a. Roadblocks to be closed: A2,4,5
- b. Road(s) to be closed/road barrier locations:
- c. Remarks: Laser signs will be in place prior to Live Fire.
- d. This approval expires: *Indef*

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





DEPARTMENT OF THE ARMY
HEADQUARTERS, 20 BATTALION, 11TH INFANTRY REGIMENT
6649 VIBBERT AVENUE
FORT BENNING, GEORGIA 31905-4464

ATSH-TPB-S3

22 JUNE 2015

MEMORANDUM FOR Chief, Range Operations, Fort Benning GA 31905

SUBJECT: 2-11 IN Day Individual and Fire Team Stonehenge Commander's Scenario

1. TASK: Conduct Individual and Buddy/Fire Team stress shoot using the Stonehenge platform

2. PURPOSE: To ensure that all Soldiers are proficient in marksmanship skills and direct fire control measures.

3. ENDSTATE: All Soldiers understand how to control their bodies to place effective fires on the enemy while under stress.

4. CONDUCT OF THE RANGE:

a. Range Cadre will clear the range and form the company up in the bleachers for a safety brief and range orientation.

b. The range consists of one lane, accommodating one (1) to four (4) Soldiers, the lane will have two lane safety NCOs who will move behind the Soldiers during the lane. This will allow the Range Safety Officer, who will be located in the tower, to monitor the progression of the entire fire team. Once the RSO has received a ready status from each lane safety, he will then instruct the lane to lock and load one empty magazine. At this time the lane safeties will take control of the lane. The safeties will observe each Soldier as they move through the obstacle course en route to the Stonehenge obstacle.

c. Soldiers will move through the obstacle course with or without weapons. Throughout the obstacle the barrels will stay generally oriented down range. At the base of the Stonehenge platform Soldiers will conduct a magazine change, locking and loading a live magazine. If the Soldiers moved through the obstacle without weapons the weapons will be staged at the base of the platform.

5. CONCEPT OF THE OPERATION

a. Once all Soldiers have received the range safety brief, orientation briefing, and Cadre Demonstration, the first firing order will move to the ammo point where they will draw between 20-60 rounds of ammunition to be distributed between two (2) to seven (7) magazines (magazines will be marked with a colored tape, red for live and blue for empty) depending on the Cadres emphasize on magazine changes for the iteration and the Soldiers marksmanship competency. The first firing order will then move to the start of the obstacle course. All remaining Soldiers will continue to stage in

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SUBJECT: 2-11 IN Day Individual and Fire Team Stonehenge Commander's Scenario

the bleachers or conduct dry fire training behind the bleachers. Once the team is set at the start of the lane, a ready signal will be relayed to the Range Safety Officer in the tower, the RSO will give the command to lock and load one empty magazine. The lane safeties will then instruct the Soldiers to begin. The Soldiers will negotiate the lane in the following order:

b. PHASE ONE: OBSTACLE COURSE NEGOTIATION

(1) Once each Soldier is set behind the first obstacle, the RSO will give the order to lock and load one empty magazine, the Lane Safety NCOs will order them to begin to move through the obstacle course as quickly as possible.

(2) Buddy/Fire Team concept will require that the team members stay generally on line when negotiating their side of the obstacle course.

(3) Once Soldiers reach the end of the obstacle course they will move to the Stonehenge platform utilizing Individual Movement Techniques to include 3-5 second rush, Modified High Crawl, and low crawl.

c. PHASE TWO: THREAT ENGAGEMENT

(1) Once all Soldiers have reached the base of Stonehenge, they will conduct a magazine change locking and loading their first live magazine.

(2) Individual concept: For this concept the Soldier will fire from the left and right side of the Stonehenge building and from each floor once completing the obstacle course. Soldiers will engage the targets in lane 11-15 (See target list/sketch). From the ground level Soldiers can engage all the targets (See target list/sketch). From the second level Soldiers can engage targets (See target list/sketch). From the third level Soldiers can engage targets (See target list/sketch). A lane safety will walk behind the firer as he transitions from floor to floor. He will engage three targets at each floor/position until they have been eliminated. Positions are designated by the lane safety on each floor.

(3) Buddy Team concept: For this concept, once the Soldiers have completed the obstacle course and locked and loaded a live magazine. They will move onto the initial designated floor of the platform. Soldier one, at this time will engage all the targets and until targets have been neutralized or time expires. Once he has engaged all the targets Soldier two (2) will begin his engagement. The targets will rise again and Soldier two will engage all the

targets until targets have been neutralized or time expires. When Soldier two begins his first engagement Soldier one will move to the next floor of the platform. Once Soldier two has completed his engagement on the first floor all the targets will rise again and Soldier one will have engage all the targets from his current position. While Soldier one is engaging targets, Soldier two will move to another floor. When Soldier one has completed his engagement the targets will rise again and Soldier two will engage all the targets. Once Soldier two's engagement ends the lane is complete. Scoring for the lane will be total time to complete the lane with each target missed being a time penalty. Soldiers are able to shoot simultaneously when Soldiers are on the same level. When Soldiers are on opposite levels only one level can fire at a time.

(4) Fire Team concept: For this concept, once the buddy teams have completed the obstacle course and locked and loaded a live magazine, they will move onto the initial designated floor of the platform. Buddy team one, at this time will engage all the targets and until targets have been neutralized or time expires. Once buddy team two has locked and loaded they will move onto the initial designated floor. The targets will rise again and buddy team two will engage all targets until targets have been neutralized or time expires. When buddy team two begins their first engagement buddy team one will move to another floor of the platform. Once buddy team two has completed their engagement on the initial floor, all the targets will rise again and buddy team one will engage all the targets. While buddy team one is engaging targets from a different floor, buddy team two will move to the second floor. When buddy team one has completed their engagement the targets will rise again and buddy team two will engage all the targets. Once buddy team two's engagement ends the lane is complete. Scoring for the lane will be total time to complete the lane with each target missed being a time penalty. Teams are able to shoot simultaneously when Teams are on the same level. When Teams are on opposite levels only one level can fire at a time.

(5) For all three concepts Lane Safeties will ensure that firers are only engaging targets when they are physically on the Stonehenge platform (See target list/sketch). Lane Safeties will also ensure weapons are generally oriented up and down range as the Soldiers move on the platform, if the weapons is loaded.

(6) At all times, Soldiers will use cover and a base of fire to negotiate the platform. Soldiers can use the fast rope, stairs, and ladder to move between levels on the platform.

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SUBJECT: 2-11 IN Day Individual and Fire Team Stonehenge Commander's Scenario

(7) Soldiers are not limited to the 40 rounds of ammunition discussed in paragraph 5a. The unit can allow the Soldiers to use as many rounds as necessary to meet the unit's desired outcome. Soldiers also are not locked into firing 10 rounds at each level. Soldiers will shoot the necessary amount of rounds to neutralize the threat presented and provide cover for Soldiers in the team that are moving.

(8) Once the Soldiers have engaged all targets or expended all ammunition, they will lock and clear their weapons at the base of Stonehenge. Once inspected by lane safeties they will move to the base of the tower.

(9) Once Soldiers reach the base of the tower, they will clear their weapons. The Lane Safety NCOs will ensure Soldiers have executed correct clearing procedures before they are released from the base of the tower.

6. SAFETY CONTROL MEASURES

a. The Range OIC, RSO, and Lane Safeties will ensure that the above scenario is conducted with extreme regard for safety. At any time an unsafe act is committed the range will cease fire until the action is corrected.

b. The Range OIC or RSO will conduct a safety briefing to all personnel on the range prior to any training taking place. The RSO or OIC will ensure that all personnel know the universal signal for cease fire and understand that anyone observing an unsafe act has the authority and obligation to call a cease fire.

c. The Range OIC and RSO will ensure that qualified medics are on station with an FLA prior to firing the above scenario.

d. All personnel will be briefed on MEDEVAC procedures in the event of a serious injury.

e. When an International Student is executing the scenario an additional safety will be assigned specifically to that student.

f. All Lane Safeties will have a MACOM radio on the company internal frequency for communication with the Tower.

7. COMMAND AND CONTROL

a. The Company Commander will certify all Lane Safeties / OIC's for Live Fire Exercises.

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SUBJECT: 2-11 IN Day Individual and Fire Team Stonehenge Commander's Scenario

b. The Stonehenge will be swept of all brass at the end of each iteration to prevent spent casings from creating a safety hazard on the platform.

c. Cadre will inspect all weapons for serviceability and functionality prior to the execution of each iteration

d. Range personnel will consist of the following (Both obstacle and Stonehenge):

- (1) One (1) Officer in Charge (OIC)
- (2) One (1) Range Safety Officer (RSO)
- (3) Two (2) Lane Safety NCOs
- (4) CLS or BFR certified personnel with CLS Equipment
- (5) Ammo Point NCO

e. All Soldiers will conduct a Five-Point Safety Check prior to moving from one floor/position to the next. The Five-Point Safety Check consists of the following:

- (1) Place the weapon on safe
- (2) Identify next covered and concealed position on the platform
- (3) Confirm you have covering fire
- (4) Look left
- (5) Look right

f. If a Soldier experiences a weapon's malfunction during a live fire exercise, the Soldier will first try to correct the malfunction by performing immediate action followed by remedial action. If that does not work, the Soldier will remain behind cover until the completion of the iteration and will redistribute his ammo to his teammates so that they can continue to engage the threat.

g. Unit will maintain continuous contact with Range Division Alpha Base at all times. If communications are lost the unit will go into a self-induced check fire until communications are restored.

h. Unit will use the standard 9 line MEDEVAC in case of illness or injury. Call 911 and determine what type of evacuation is the most appropriate for the injury. MEDEVAC will be IAW MCoE Regulation 350-19 and MCoE 40-2. Landing zone for MEDEVAC aircraft will be established prior to use and will be marked appropriately. Using unit's higher Headquarters and Range Division Alpha Base will be notified in this event.

i. When an incident occurs on the range, regardless of injury or not, the OIC/RSO will immediately report it to Range Division Alpha Base and the using unit's high Headquarters. The following information will be furnished by the OIC/RSO to Range Division Alpha Base:

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SUBJECT: 2-11 IN Day Individual and Fire Team Stonehenge Commander's Scenario

- (1) Designation of unit
- (2) Range 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, SSN, Rank and unit of injured personnel
- (8) Extent of property damage
- (9) Intentions regarding an AR 15-6 investigation

j. Units must have an approved Deliberate Risk Assessment Worksheet signed by Post Safety before using this range.

8. The point of contact for this memorandum is CPT Zachary J. Batcho at (330) 418-1487 or at Zachary.J.Batcho.mil@mail.mil.



TIMOTHY R. BLAIR
CPT, IN
Battalion S3



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

23 June 2015

MEMORANDUM FOR Commander, 2/11th IN (IBOLC), Attn: CPT Zachary Batcho, 6697 Vibbertt Drive, Fort Benning, GA 31905

SUBJECT: 2-11th IN Bn (IBOLC) Individual and Buddy/Fire Team Stonehenge Scenario Safety Review

1. References.

- a. Army Regulation 385-10, The Army Safety Program, 27 November 2013
 - b. Army Regulation 385-63, Range Safety, 30 January 2012
 - c. Department of the Army Pamphlet 40-501, Hearing Conservation Program, 10 December 1998
 - d. Department of the Army Pamphlet 385-10, Army Safety Program, RAR 19 January 2010
 - e. Department of the Army Pamphlet 385-30, Mishap Risk Management, 02 December 2014
 - f. Department of the Army Pamphlet 385-63, Range Safety, 16 April 2014
 - g. Army Techniques Publication 5-19, Risk Management, 14 April 2014
 - h. MCoE Regulation 350-19, Range and Terrain Regulation, 01 March 2013
 - i. MCoE Policy Memorandum 385-6-2, Risk Management, 20 February 2015
2. Document received on 18 June 2015.
3. Concur w/comment.
- a. Scenario, paragraph 4b, pg 1. The recommended ratio for lane safeties is 2:1 for U.S. Army Lieutenants and 1;1 for allied/international officers on "Stonehenge". The recommended obstacle course ratio is 2;1 – 4:1.

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SUBJECT: 2-11th IN Bn (IBOLC) Individual and Buddy/Fire Team Stonehenge
Scenario Safety Review

b. Scenario, paragraph 4c, pg 1. Once the weapons are loaded, the muzzles must remain pointed down range.

c. Scenario, paragraph 5b, pg 2. Recommend that emphasis be placed on negotiation of the concrete cylinders to prevent Soldiers from striking the leading edge of the cylinder and compressing vertebrae. This can be accomplished with placement of a cadre safety, on the cylinder, to slow down and warn the Soldier.

d. Scenario, paragraph 5c(4), pg 3. Designate one Soldier to perform Fire Team Leader duties and control movement and fire while around and on the "Stonehenge" structure.

e. Scenario, paragraph 5c(6), pg 3. Use of the "Fast Rope" (Fast Rope Insertion/Extraction System) is used to climb the structure, not for descents. The length of the rope must ensure that adequate length on the ground. The fast ropes must be maintained with a log, and stored in accordance with all guidelines.

f. Scenario, paragraph 7j, pg 6. The use of Composite Risk Management is a legacy term, which has been superseded by two generations. Proper terminology is Deliberate Risk Assessment Worksheet (DRAW).

g. DRAW, Block 10, pg 1. This is a pilot execution and due to there being no historical data (trends and analysis) to fall back on this non-POI event we recommend that this event be classified as overall HIGH risk. The risk is also elevated by the fact that the class has not completed half of the POI.

h. DRAW, Block 2, pg 1. The date must include the start and end date formatted like this: DD/MM/YYYY - DD/MM/YYYY.

i. DRAW, Blocks 6 & 9, pg 2. "Hand, Eye, and Ear Injuries," recommend the Initial and Residual Risk Levels be elevated to "HIGH" to "MODERATE" to accurately reflect the probability of occurrence.

j. DRAW, Block 7, pg 2. "Fire/Explosion in ASP/Mix of Blank and Live Ammunition", recommend that you delete all references to blank ammunition.

k. DRAW, Blocks 6 & 9, pg 3. "Falls", recommend the Initial and Residual Risk Levels be elevated to "HIGH" to "MODERATE" to accurately reflect the probability of severity.

l. DRAW, Blocks 6 & 9, pg 3. "Fratricide," recommend the Initial and Residual Risk Levels be elevated to "HIGH" and "MODERATE" to accurately reflect the probability of severity.

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SUBJECT: 2-11th IN Bn (IBOLC) Individual and Buddy/Fire Team Stonehenge
Scenario Safety Review

m. DRAW, Blocks 6 & 9, pg 3. "Fast Rope," recommend that you delete this hazard as you will not be conducting any FRIES operations. The hemp ropes will be used to climb and not slide down.

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


for JILL E. CARLSON
Director, MCoE/USAG Safety

DELIBERATE RISK ASSESSMENT WORKSHEET

1. MISSION/TASK DESCRIPTION Individual/ Buddy Team/ Fire Team Stonehenge Day Stress Shoot	2. DATE (DD/MM/YYYY) 25/06/2015
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3. PREPARED BY

a. Name (Last, First Middle Initial) Batcho, Zachary J	b. Rank/Grade CPT/O-3	c. Duty Title/Position Platoon Trainer
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d. Unit 2-11	e. Work Email zachary.j.batcho.mil@mail.mil	f. Telephone (DSN/Commercial (Include Area Code)) 706-545-4281
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g. UIC/CIN (as required) W6NFZE	h. Training Support/Lesson Plan or OPORD (as required)	i. Signature of Preparer BATCHO.ZACHAR Y.JOHN.1290940083 <small>Digitally signed by BATCHO.ZACHARY.JOHN.1290940083 DN: c=US, o=U.S. Government, ou=DoD, ou=PKL, ou=USA, ou=BATCHO.ZACHARY.JOHN.1290940083 Date: 2015.06.25 17:16:48 -0400</small>
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Five steps of Risk Management: (1) Identify the hazards (2) Assess the hazards (3) Develop controls & make decisions
 (4) Implement controls (5) Supervise and evaluate *(Step numbers not equal to numbered items on form)*

4. SUBTASK/SUBSTEP OF MISSION/TASK	5. HAZARD	6. INITIAL RISK LEVEL	7. CONTROL	8. HOW TO IMPLEMENT/ WHO WILL IMPLEMENT	9. RESIDUAL RISK LEVEL
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	4. SUBTASK/SUBSTEP OF MISSION/TASK	5. HAZARD	6. INITIAL RISK LEVEL	7. CONTROL	8. HOW TO IMPLEMENT/ WHO WILL IMPLEMENT	9. RESIDUAL RISK LEVEL
<input type="checkbox"/> + <input type="checkbox"/> -	Individual/ Fire Team/ Stress Shoot	Range/Scenario/General Situational Awareness	M	<p>The Range NCOIC and Safety Officer (RSO) will:</p> <ol style="list-style-type: none"> 1. Read and review the risk management worksheet. 2. Record daily environmental and condition changes on the daily risk assessment. 3. Ensure cadre combat lifesaver and a dedicated CASEVAC vehicle are available on day of blank and dry fire. 4. Ensure that dedicated medics are available and properly prepared on days of live fire. 5. Ensure that observer controllers have been validated on the execution of the scenario outlined in the FB 350-19 by CDR 6. Review 199th in BDE evacuation criteria and CASEVAC procedures to include the evacuation of hot and cold weather injuries. 7. Soldiers within striking distance of lightning and anything beyond the CLS or medics ability to treat. 8. Review the criteria and procedures for air MEDEVAC to include procedures for evacuating heat and cold injuries. 	<p>How: MCOE Range and Terrain Regulation 350-19, MCOE PM 350-6-22, MCOE PM 385-6-11, 2-11 IN LFX Policy and FB Form 350-19-3-R 2-11 IN TACSOP, 2-11 Range, DA PAM 40-501, MCOE PAM 380-19 AR 385-10</p> <p>Who: NCOIC/OIC, RSO</p>	L
<input type="checkbox"/> + <input type="checkbox"/> -		Hand, Eye and Ear Injuries	H	<ol style="list-style-type: none"> 1. All personnel will wear ballistic eye protection and leather gloves for all iterations (dry, blank and live). 2. All personnel will utilize proper hearing protection for all iterations of dry, blank, and live fire scenarios. 3. RSO will ensure that extra eye and hearing protection is available without penalty. 4. All personnel using star pyrotechnics for signaling will be required to demonstrate their proper use of equipment. 	<p>How: DA PAM 40-501, 2-11 Eye Protection SOP</p> <p>Who: CDR/ISG, OIC/RSO, Cadre, Individual</p>	M

	4. SUBTASK/SUBSTEP OF MISSION/TASK	5. HAZARD	6. INITIAL RISK LEVEL	7. CONTROL	8. HOW TO IMPLEMENT/ WHO WILL IMPLEMENT	9. RESIDUAL RISK LEVEL
<input type="checkbox"/> + <input type="checkbox"/> -		Fire/Explosion in ASP	M	1. The only personnel with unaccompanied access to the ASP will be the OIC, NCOIC, RSO, and ASP NCOIC. 2. All ammunition will be stockpiled, sorted, distributed, and re-collected under the direct supervision of the ASP NCOIC. 3. The ASP NCOIC will maintain at least two 10LB fire extinguishers at a clearly visible location in proximity to the ASP. 4. The ASP NCOIC will post signs on all four cardinal directions of the ASP that prohibit smoking within 100 meters of the ASP. 5. All vehicles transporting ammunition will be operated only by HAZMAT certified personnel.	How: AR 385-64, TRADOC Regulation 700-2, TM 9-1300-206, 2-11 IN BN Ammunition SOP, TM 9-1370-207-10 Who: NCOIC/OIC, RSO	L
<input type="checkbox"/> + <input type="checkbox"/> -		Range Fires	M	1. Cadre will supervise the clearing of open bolt weapon systems. 2. Individual small arms (M4, M16) will be buddy cleared at the limit of advance prior to exfil. 3. Range NCOIC will ensure that all fire-fighting equipment is brought to the training area during PCI/PCC. 4. Only cadre will attempt to put out fires that are outside of the impact area. 5. Fires within the impact area will not be disturbed, but rather just monitored and reported to range operations. 6. At any sign of sympathetic detonations, all efforts to eliminate a range fire will be ceased, and Forestry will be called for assistance.	How: 2-11 IN BN Live Fire SOP; PCC/PCIs Who: NCOIC/OIC, RSO	L

	4. SUBTASK/SUBSTEP OF MISSION/TASK	5. HAZARD	6. INITIAL RISK LEVEL	7. CONTROL	8. HOW TO IMPLEMENT/ WHO WILL IMPLEMENT	9. RESIDUAL RISK LEVEL
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		Falls	H	1. Range safety officer will issue a safety briefing to all students prior to the start of training. 2. Range safety officer will include an orientation of the training area.	How: MCOE Reg 200-3, Range packet MCOE 385-10, MCOE 350-19 Who: NCOIC/OIC, RSO	M
		Soldier fatigue and/or lack of alertness	M	1. Students will be given a class in their first week on proper nutrition and the ways to maximize the effectiveness of their caloric intakes. 2. All participants will receive a minimum of 6 hours of sleep during each 24 hour time period. 3. Platoon trainers will ensure that students receive three meals per	How: MCOE Policy 350-19, FBAPFS. Who: CDR/1SG,PLT Trainers	L
		Negligent Discharge	H	1. Range safety officer will issue a safety brief prior to start of training. 2. Platoon trainers will strictly enforce weapons safety and class V accountability before, during, and after LFX. 3. Platoon trainers will ensure that students receive six hours of undisturbed sleep prior to execution of live fire exercise.	How: DA PAM 350-38, FM 3-22.68, FM 3-22.9, MCOE 385-10 Who: NCOIC/OIC, RSO, PLT Trainers	M
		Eye Injuries	M	1. All students will wear eye protection while moving in a field environment or firing a weapon.	How: 2-11 Ballistic Eye Protection SOP Who: NCOIC/OIC, RSO	L

	4. SUBTASK/SUBSTEP OF MISSION/TASK	5. HAZARD	6. INITIAL RISK LEVEL	7. CONTROL	8. HOW TO IMPLEMENT/ WHO WILL IMPLEMENT	9. RESIDUAL RISK LEVEL
<div style="border: 1px solid black; width: 20px; height: 20px; margin: 5px; text-align: center; line-height: 20px;">+</div> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 5px; text-align: center; line-height: 20px;">-</div>		Fratricide	H	<ol style="list-style-type: none"> 1. Primary Instructor (PI) and platoon trainers validate range operation during company train-up. 2. Platoon trainers conduct range reconnaissance prior to training. 3. Primary Instructor, Company Commander, and ISG confirm that target array supports range fans and surface danger zones 4. Platoon trainers will ensure that all students receive six hours of undisturbed sleep, the night before the training. 5. PI ensures target operator conducts rehearsal prior to execution. 6. PI conducts daily target operator rehearsals upon personnel shift changes, prior to continuation of training. 7. A minimum of two cadre will position themselves on firing line during firing. 8. Primary instructor will ensure that a CLS with aid bag accompanies each platoon during execution of training. 9. Primary instructor will ensure that driver for internal CAS-EVAC is designated and has rehearsed on EVAC routes prior to start of training. 10. Cadre & Students will wear proper personal protection equipment for the training. 11. Cadre will inspect all weapons. 12. All students will complete training on load, fire, performing immediate action and clearing all weapon systems that they will use. 	<p>How: MCOE Range and Terrain Reg 350-19</p> <hr/> <p>Who: CDR/ISG, OIC/ RSO, Cadre Individual</p>	M

	4. SUBTASK/SUBSTEP OF MISSION/TASK	5. HAZARD	6. INITIAL RISK LEVEL	7. CONTROL	8. HOW TO IMPLEMENT/ WHO WILL IMPLEMENT	9. RESIDUAL RISK LEVEL	
<input type="checkbox"/> + <input type="checkbox"/> - <input type="checkbox"/> + <input type="checkbox"/> - <input type="checkbox"/> + <input type="checkbox"/> - <input type="checkbox"/> + <input type="checkbox"/> - <input type="checkbox"/> + <input type="checkbox"/> -	Stonehenge Platform	Muzzle Awareness	M	1. Range safety safety brief prior to training that covers muzzle awareness and address the fact that a sight picture in an optic is offset 2. Lane safeties will monitor muzzle position when firers begin to engage targets.	How: DA PAM 350-38, FM 3-22.68, FM 3-22.9, MCOE 385-10 Who: NCOIC/OIC, RSO, PLT Trainers	L	
		Fast Rope	H	1. Soldiers are briefed of possible rope burns to hands and how to conduct a controlled descent. 2. Do not allow overcrowding, or jumping from the obstacle.	How: For all obstacles cadre will demonstrate the proper way to negotiate the obstacle IAW SOP. Who: NCOIC/OIC, RSO, PLT Trainers	M	
		Weather Effects on Metal Stairs	M	1. Range safety will brief students to move slow when changing levels when the platform is went.	How: Cadre will ensure obstacles are not overcrowded. Who: NCOIC/OIC, RSO, PLT Trainers	L	
		Obstacle Course	Rope burns	M	1. Soldiers are briefed of possible rope burn to hands. 2. Only one Soldier on the rope at a time.	How: For all obstacles cadre will demonstrate the proper way to negotiate the obstacle IAW SOP. Who: NCOIC/OIC/PLT Trainers/Cadre	L
			Sprained ankles	M	1. Brief Soldiers to land with feet together and knees bent when jumping off an obstacle.	How: FM 21-20, 2-11 SOP Who: NCOIC/OIC/PLT Trainers/Cadre	L

	4. SUBTASK/SUBSTEP OF MISSION/TASK	5. HAZARD	6. INITIAL RISK LEVEL	7. CONTROL	8. HOW TO IMPLEMENT/ WHO WILL IMPLEMENT	9. RESIDUAL RISK LEVEL
<input type="checkbox"/> + <input type="checkbox"/> -		Soldier fatigue/Overuse, stress injuries	L	1. Brief Soldiers to land with feet together and knees bent. 2. Soldiers will be required to obtain not less than five hours sleep prior.	How: For all obstacles cadre will demonstrate the proper way to negotiate the obstacle IAW SOP. Who: NCOIC/OIC/PLT Trainers/Cadre	L
	Environmental	Environmental Consideration	H	1. See Environmental Considerations Risk management	How: 1. See Environmental Considerations Risk management Who: 1. See Environmental Considerations Risk management	M
10. OVERALL RESIDUAL RISK LEVEL (All controls implemented): <input type="checkbox"/> EXTREMELY HIGH <input type="checkbox"/> HIGH <input checked="" type="checkbox"/> MEDIUM <input type="checkbox"/> LOW						
11. OVERALL SUPERVISION PLAN AND RECOMMENDED COURSE OF ACTION Daily Risk Assessment will be completed prior to the start of the event. Weather information will be updated hourly in order to make informed risk decisions. DA 2977 will be on hand during the event. Commanders are responsible for providing risk management guidance and information, OIC's, RSO's, and NCOIC's are responsible for enforcing safety.						
12. APPROVAL OR DISAPPROVAL OF MISSION OR TASK <input checked="" type="checkbox"/> Approve <input type="checkbox"/> Disapprove						
a. Name (Last, First, Middle Initial) Weber Matthew W.		b. Rank/Grade LTC	c. Duty Title/Position BN CDR		d. Signature of Approval Authority WEBER.MATTHEW .WARREN.10813264 67 <small>Digitally signed by WEBER.MATTHEW.WARREN.1081326467 DN: cn=US, o=U.S. Government, ou=DoD, ou=PKI, ou=USA, cn=WEBER.MATTHEW.WARREN.1081326467 Date: 2015.06.26 06:17:10 -0400</small>	
e. Additional Guidance:						

Risk Assessment Matrix		Probability (expected frequency)				
		Frequent: Continuous, regular, or inevitable occurrences	Likely: Several or numerous occurrences	Occasional: Sporadic or intermittent occurrences	Seldom: Infrequent occurrences	Unlikely: Possible occurrences but improbable
Severity (expected consequence)		A	B	C	D	E
Catastrophic: Mission failure, unit readiness eliminated; death, unacceptable loss or damage	I	EH	EH	H	H	M
Critical: Significantly degraded unit readiness or mission capability; severe injury, illness, loss or damage	II	EH	H	H	M	L
Moderate: Somewhat degraded unit readiness or mission capability; minor injury, illness, loss, or damage	III	H	M	M	L	L
Negligible: Little or no impact to unit readiness or mission capability; minimal injury, loss, or damage	IV	M	L	L	L	L
Legend: EH - Extremely High Risk H - High Risk M - Medium Risk L - Low Risk						
13. RISK ASSESSMENT REVIEW (Required when assessment applies to ongoing operations or activities)						
a. Date	b. Last Name	c. Rank/Grade	d. Duty Title/Position	e. Signature of Reviewer		
14. FEEDBACK AND LESSONS LEARNED						
15. ADDITIONAL COMMENTS OR REMARKS						

Instructions for Completing DD Form 2977, "Deliberate Risk Assessment Worksheet"

1. Mission/Task Description: Briefly describe the overall Mission or Task for which the deliberate risk assessment is being conducted.

2. Date (DD/MM/YYYY): Self Explanatory.

3. Prepared By: Information provided by the individual conducting the deliberate risk assessment for the operation or training.

Legend: **UIC** = Unit Identification Code; **CIN** = Course ID Number; **OPORD** = operation order; **DSN** = defense switched network; **COMM** = commercial

4. Sub-task/Sub-Step of Mission/Task: Briefly describe all subtasks or substeps that warrant risk management.

5. Hazard: Specify hazards related to the subtask in block 4.

6. Initial Risk Level: Determine probability and severity. Using the risk assessment matrix (page 3), determine level of risk for each hazard specified. probability, severity and associated Risk Level; enter level into column.

7. Control: Enter risk mitigation resources/ controls identified to abate or reduce risk relevant to the hazard identified in block 5.

8. How to Implement / Who Will Implement: Briefly describe the means of employment for each control (i.e., OPORD, briefing, rehearsal) and the name of the individual unit or office that has primary responsibility for control implementation.

9. Residual Risk Level: After controls are implemented, determine resulting probability, severity, and residual risk level.

10. Overall Risk After Controls are Implemented: Assign an overall residual risk level. This is equal to or greater than the highest residual risk level (from block 9).

11. Supervision Plan and Recommended Course of Action: Completed by preparer. Identify specific tasks and levels of responsibility for supervisory personnel and provide the decision authority with a recommend course of action for approval or disapproval based upon the overall risk assessment.

12. Approval/Disapproval of Mission/Task: Risk approval authority approves or disapproves the mission or task based on the overall risk assessment, including controls, residual risk level, and supervision plan.

13. Risk Assessment Review: Should be conducted on a regular basis. Reviewers should have sufficient oversight of the mission or activity and controls to provide valid input on changes or adjustments needed. If the residual risk rises above the level already approved, operations should cease until the appropriate approval authority is contacted and approves continued operations.

14. Feedback and Lessons Learned: Provide specific input on the effectiveness of risk controls and their contribution to mission success or failure. Include recommendations for new or revised controls, practicable solutions, or alternate actions. Submit and brief valid lessons learned as necessary to persons affected.

15. Additional Comments or Remarks: Preparer or approval authority provides any additional comments, remarks, or information to support the integration of risk management.

Additional Guidance: Blocks 4-9 may be reproduced as necessary for processing of all subtasks/ substeps of the mission/task. The addition and subtraction buttons are designed to enable users to accomplish this task.

Simpson Range, Range Div Standard Roadblock List (Log #4-15-12), 24 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 Gamsey Rng Obj 'E' (intersection Jamestown/Sunshine Rd's)	Rd Grd # 2
A-12	GA 033 742	Across Gamsey Rd 50m W. of its intersection with Jamestown Rd.	Gate
A-12A	GA 029 744	Across Gamsey 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 Gamsey 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 Gamsey 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 Gamsey 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 Gamsey Range. 140m SW of Brann Flat Range.	Gate
A-30A	GA 027 758	Across trail leading to Gamsey 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: 1517407 **Project#:** 071T6705 **Project Title:** Stonehenge

Description of Proposed Action:

Soldiers will conduct individual, buddy, and team stress shoots using the Stonehenge Obstacle Course and Stonehenge Platform.
Re: EMD # 1501614X3

Project Location:

Simpson Range Stonehenge

Amount, Description, Location of Disturbance/Digging:

None

Number/Types of Vehicles:

4-6 GSA, 1 M149A2

Number of Personnel:

200

Type of Ammunition:

5.56 Live and Blank

Number/Types of Trees:

None

Will not be taken off road.

Types of Aviation:

None

Other Concerns:

Porta-potties may be used.

Size of Project Area: 2 Acres

Duration of Action: Start:7/1/2015 Stop:9/30/2015

Proponent: Michael Lovely 706-545-5916

Unit, Section or Dept: IBOLC

Decision: Concur with conditions

This Action is adequately covered in the Existing EIS 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."

Training is Approved Through September 30, 2015

Cultural Resources - Archeological

None

Edward Howard (706-545-1898), 6/23/2015

No Comment.

Natural Resources - TES

None

Mark Thornton (706-544-7079), 6/24/2015

No Comment.

Natural Resources - RCW

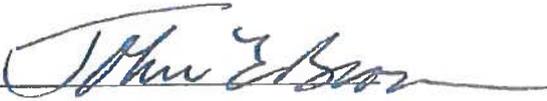
Conditions:

Timothy Marston (706-544-7069), 6/24/2015

Concur w/ Conditions: The USFWS issued the attached concurrence letter dated 5/29/2015 that agreed with the Installations analysis (also attached) that concluded; incorporation of Stonehenge training scenarios on Simpson Range would not increase downrange impacts and therefore may, but will not likely adversely affect RCWs. Approval is only for use and training scenarios that have a current, range packet that has been reviewed and approved by the Fort Benning Range Division. Any deviation from what has been authorized in the current range packet must be coordinated with Range Division and must be approved via a new 144R submittal.

EMD Number: 1517407 **Project#** 071T6705

Project Title: Stonehenge

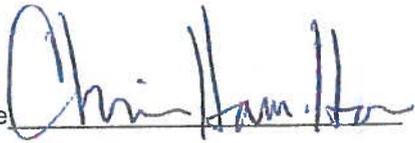
Signature 

Reviewed By

John E Brown

NEPA Program Manager

Date 25 JUN 2015

Signature 

Approved By

Patrick R. Chauvey

EPMB Chief

Date 25 JUN 15



United States Department of the Interior

Fish and Wildlife Service

105 West Park Drive, Suite D
Athens, Georgia 30606
Phone: (706) 613-9493
Fax: (706) 613-6059

West Georgia Sub-Office
Post Office Box 52560
Fort Benning, Georgia 31995-2560
Phone: (706) 544-6428
Fax: (706) 544-6419

MAY 09 2015

Coastal Sub-Office
4980 Wildlife Drive
Townsend, Georgia 31331
Phone: (912) 832-8739
Fax: (912) 832-8744

Robert K. Larimore
Chief, Environmental Management Division
Department of the Army
Fort Benning, Georgia 31905-5000

Re: FWS Log No. 2015-CPA-0697

Dear Mr. Larimore:

This letter is the U.S. Fish and Wildlife Service's (Service) response to your letter dated April 2, 2015, regarding the proposed additions to Simpson Range, located on Fort Benning in Chattahoochee County. We submit the following comments under provisions of the Migratory Bird Treaty Act (16 U.S.C. 703, *et seq.*), and the Endangered Species Act of 1973 (Act), as amended (16 U.S.C. 1531, *et seq.*).

Based on the information you provided regarding the proposed action, the Service has determined the project may but is not likely to adversely affect the RCW. However, if new information becomes available or changes in the project occur that may involve federally listed species, further consultation with the Service will be required.

Your requirements under section 7(a)(2) of the Endangered Species Act have been fulfilled and based on the information you provided we concur with your finding, and, no further action is required.

If you have any questions or concerns about this consultation or the consultation process in general, please feel free to contact John Doresky at (706) 544-6030.

Sincerely,

Donald Imm
Field Supervisor

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

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.)

Example Unit/Activity SOP for Training and Deployment

Introduction

This SOP is divided into two main sections: PREVENTION & RESPONSE. The following sections will assist you in planning your environmental activities while bedding down, initiating, sustaining and conducting field exercises, and/or during deployment. Before you deploy, ensure you are familiar with the following:

What Are Hazardous Materials and Hazardous Wastes

Hazardous Materials are defined as any material that may be a health or physical hazard, or any material that, based on either chemical or physical characteristics, is capable of posing a risk to human health or the environment if improperly disposed of, handled, stored, or transported. Chemical and physical characteristics that may pose a risk to human health or the environment include, but not limited to, one of the following characteristics: Ignitable; Corrosive; Reactive and/or Toxic.

Hazardous Waste: is defined as any discarded material (solid, liquid or gas) that:

1. Has no further value and cannot be reused or recycled;
2. Is harmful to human health or the environment due to its quantity, concentration, biological, chemical or physical characteristics; and/or
3. Exhibits one or more of the characteristics as described for Hazardous Material.

Contaminated or unusable fuel is a typical hazardous material/hazardous waste common to training and deployment operations and should be handled, stored, and disposed of properly.

Ten of the most common hazardous materials/hazardous wastes that you will encounter during training and or deployment operations include:

- Fuel
- Engine Oil
- Bleach or DS-2
- Solvent
- Anti-Freeze
- Transmission Fluid
- Used Oil Filters or Batteries
- Empty POL Containers
- Brake Fluid
- Grease.

These materials should be handled, stored and disposed of properly.

SPILL KITS: Spill kits should be maintained in and around all locations where hazardous materials/hazardous wastes are stored, handled, or disposed. Various types of kits may be ordered through the U.S. Army Supply System and include: rubber gloves, safety goggles, putty, rubber mallet, wooden plugs, absorbent booms, absorbent pads, plastic bags, and in some cases, a disposal barrel.

SPILL PREPARATION: Despite the best prevention, you may run into difficulties and an accident may occur when you least expect it. To minimize contamination, hazards to people, and environmental damage, you must REACT immediately. To help you prepare, this SOP will tell you:

- **HOW to PLAN** and be ready to respond to a problem;
- **HOW to REACT** to a minor, intermediate or major spill; and
- **WHAT** to do after a spill occurs.

Planning

MINOR SPILLS

- When on the move, keep some plastic bags in your vehicle, and have your assigned On-Vehicle Equipment (OVE) ready for use.
- Maintain supplies, rags, absorbent pads, or other kinds of materials that will soak up spills on hard surfaces (like Dry Sweep), or know where you can easily obtain them.
- Keep Personal Protective Equipment (PPE) accessible (gloves, goggles, etc.).

INTERMEDIATE & MAJOR SPILLS

In addition to the procedures above:

- Know where to go for help.
- Know where spill kits are kept and learn how to use them.

Prevention

Vehicle Maintenance and Fueling Points, Hazardous Waste Collection Points and hazardous material Storage & Supply Areas may not be set up at your deployment destination. So PLAN to build your areas to prevent hazardous material accidents before they occur. Remember the following:

HAZARDOUS MATERIAL/HAZARDOUS WASTE AREA LOCATION - Locate hazardous material/hazardous waste areas away from living areas, bunkers, ammunition storage, fence lines and/or dining facilities. Place them near the areas where hazardous material are used.

MATERIAL SAFETY DATA SHEET (MSDS) - Keep MSDSs for each hazardous material stored or collected at hazardous material/hazardous waste areas.

UNIT/ACTIVITY ENVIRONMENTAL SOP & SPILL RESPONSE PLAN - Place SOP and Spill Response Plan at each hazardous material/hazardous waste area.

COMPATIBILITY OF MATERIALS - Store and/or dispose of each class of hazardous material/hazardous waste separately. MSDSs describe the classification of HMs. Four common classification include the following: Flammable (fuels), Corrosives (acids), Reactive (explosives), and Toxic (insecticides).

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

SECONDARY CONTAINMENT - All liquid hazardous material/hazardous waste must have secondary containment. In order for it to be effective it must:

1. Hold 10% of the total hazardous material/hazardous waste stored or 100% of the largest container.
2. Have sand and/or pallets placed in certain areas to protect the liner.
3. Have overhead cover.

You should continually keep your hazardous material/hazardous waste areas clean and orderly by applying the principals of Monitoring and Housekeeping. 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 and dispose of it as hazardous waste at the Hazardous Waste Collection Point.

Hazardous Material/Hazardous Waste locations:

___ Make sure the locations of your hazardous material/**hazardous waste** are well chosen.

___ 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 hazardous material/hazardous waste areas.

See Appendix D of the ASP for specific CHECKlists for areas such as: Vehicle Fueling & Maintenance Areas; Hazardous Waste Collection Points; and Hazardous Material Supply & Storage Areas.

Response

Be prepared to respond immediately to any spill situation. Keep your Environmental SOP and Spill Response Plan (SRP) readily available at the main hazardous material/hazardous waste areas. The SRP should ensure that the following measures are implemented:

- PERSONAL PROTECTIVE EQUIPMENT (PPE) - At the entrance of every hazardous material/hazardous waste area, keep a supply of PPE to protect hands, eyes, skin, ears, head, feet, and lungs. If you are unsure about which items you need, consult the MSDS for the HMs that you are using.
- MSDS - Make sure that MSDSs are available in order to REACT to spills safely and effectively.
- SPILL STATIONS - Maintain spill response equipment at a station near (not inside of) hazardous material/hazardous waste areas. They should contain: First Aid Kits, Fire Extinguishers, Spill Response Kits, and Emergency PPE.
- TRAINING - Improve your readiness by practicing the SPILL DRILL on a regular basis, and be sure to know the spill reporting process.

Respond to spills, major or minor, immediately in order to eliminate hazards that could cause personal injury and/or environmental damage. If assistance is required, or spill/release is major, immediately call **911** or the **Fort Benning Military Police (MP) Desk**.

In any spill situation:

1. Safety First! -- Protect yourself by using PPE, including goggles, gloves, and suits. THEN...
2. Do the SPILL DRILL -- **REACT**:

REMOVE THE SOURCE: Plug the drip or leak and stop the spill.

ENVELOP THE SPILL: Place absorbent booms around the spill area, or build an earthen dam, when appropriate, around the spill.

ABSORB/ACCUMULATE: Place appropriate absorbent material (Dry Sweep, pads, etc.) on the spill in the middle of the boomed-off area.

CONTAINERIZE THE HAZARDOUS WASTE: Use a shovel to place contaminated materials (including soil, booms, pads or other materials) in a plastic bag or a waste drum.

TRANSMIT A REPORT: If a spill is too large to handle alone, - **REACT** as best you can and get help!

See Appendix D of the ASP for specific **REACT** actions for spills involving:

- **Minor Spills** (20 gallons or less);
- **Intermediate Spills** (from 21-55 gallons); and
- **Major Spills** (more than 55 gallons), or any spill into water, where injuries occurred or where spills occurred off Fort Benning associated property.

In addition:

- Prevent hazardous material from entering storm sewers and waterways;
- Minimize impacts to vegetation and wildlife; and
- Notify proper personnel and maintain record of spill event.

Acronyms are defined in the ASP Table of Content

APPENDIX H

Spill Kits and Response Material Checklists

Summary Spill Kit and Response Material Checklist

Recommended Spill Kits for Unit/Activity Motor Pools, Aircraft Hanger Areas, and all POL Field Sites

Recommended Spill Kits for Fuel Carrying Vehicles

Recommended Spill Kits for Other Military Vehicles

Vehicles Transporting Hazardous Materials other than POL

Summary Spill Kit and Response Material Checklist	
Spill Kits and Response Material	Primary Contents
<p>Spill kits should be maintained in and around all locations where hazardous material and hazardous waste are stored, handled, or disposed.</p> <p>The contents of a spill kit will vary depending on the hazardous materials and their characteristics.</p> <p>Hazardous materials other than POL will require spill kits to meet their specific requirements, (i.e., acid spill kit for Battery Shop that handles lead acid batteries).</p>	<p>Spill kits should include as a minimum:</p> <ul style="list-style-type: none"> ✓ Rubber gloves, ✓ Safety goggles, ✓ Putty, rubber mallet, ✓ Wooden plugs, ✓ Absorbent booms, ✓ Absorbent pads, ✓ Plastic bags, and ✓ In some cases, a disposal barrel.
<p>The Unit/Activity must check the material's MSDS for specific information on PPE and spill supplies.</p>	<p>Units/activities transporting hazardous materials should also plan for having a minimum amount of response materials on hand.</p> <ul style="list-style-type: none"> ✓ Various types of kits can be ordered through the U.S Army Supply System (through the Units supply or S-4 shop); ✓ The Unit/Activity must assess their hazardous material inventory and plan to have enough spill response material to respond to the larger container within their facility and the minimum for any specific hazardous material that require specific spill materials or PPE; and ✓ Whenever the Unit gets to this minimum level, the user should initiate a reorder to the supply NCO or S-4 to maintain the minimum amount on-hand.

Acronyms are defined in the ASP Table of Contents

Recommended Spill Kits for Unit/Activity Motor Pools, Aircraft Hanger Areas, and all POL Field Sites

30-Gallon POL Boom Kit: Absorbs Approx. 40 Gallons
Polyurethane 2 Rolls
55-Gallon POL Kit: Absorbs Approx. 40 Gallons
1 55 Gallon Drum
2 Bags Absorbent
6 Booms 2x10
50 Absorbent Pads
10 Heavy Duty Trash Bags

Recommended Spill Kits for Fuel Carrying Vehicles

It's recommended that all fuel carrying vehicles should have a transportation pack spill kit or equivalent spill equipment on board at all times. The following vehicles are considered to be fuel transporting vehicles: HEMITT M971 2500 gallons, Tanker 5000 gallon, M49C 1200 gallon, Tank and Pump unit 600 gallon.

The following is a list of the minimum level of spill equipment recommended to be on hand in all fuel carrying vehicles, especially if they are traveling within the Installation or in a field exercise.

Drip Pan

30-Gallon POL Kit: Absorbs Approx. 20 Gallons
1 30 Gallon Drum
1 16 pound bag Absorbent
3 Booms 2x10
25 Absorbent Pads ~17x19
5 Heavy Duty Trash Bags
1 Dust Pan

Recommended Spill Kits for Other Military Vehicles

Recommended on Vehicle Equipment (OVE) for small spills (usually from vehicle leaks):

1 drip pan
4-5 absorbent pads
1-2 plastic bags.

Additional Materials or Equipment

For each one of these recommended spill kits, the following should be available:

PPE such as: Goggles and Gloves. (2-3 pairs)
1 Shovel
2 Labels for wastes
1 Spill report
1 Inventory

Vehicles Transporting Hazardous Materials other than POL

- ✓ Transportation of hazardous materials is regulated under the Department of Transportation. Personnel transporting hazardous materials must follow all DOT requirements.
- ✓ As a preventive measurement, vehicles transporting small amounts of hazardous materials or waste should have a transportation pack spill kit or equivalent spill equipment on board to REACT in the event of an incident.

Spill Response Record

PHASE I-IMMEDIATE ACTIONS FOR EVALUATING AND REPORTING SPILLS:

IMMEDIATELY REPORT ALL SPILLS TO YOUR SUPERVISOR AND/OR CALL 911 or the Fort Benning Military Police (MP) Desk

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

During Duty Hours also Call Mr. Felix Seda, EMD Spill Manager at (706) 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: _____
6. 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 of 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 EMD Spill Program Manager or FAX to (706) 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: _____
14. ESTIMATED COST OF CLEAN-UP: _____
15. CORRECTIVE ACTION TAKEN OR TO BE TAKEN TO PREVENT FUTURE SIMILAR INCIDENTS: _____
16. NAME AND PHONE NUMBER OF PERSONNEL REPORTING SPILL: _____

****KEEP THIS FORM FOR A MINIMUM OF 5 YEARS**



United States Department of the Interior

Fish and Wildlife Service

105 West Park Drive, Suite D
Athens, Georgia 30606
Phone: (706) 613-9493
Fax: (706) 613-6059

MAY 09 2015

West Georgia Sub-Office
Post Office Box 52560
Fort Benning, Georgia 31995-2560
Phone: (706) 544-6428
Fax: (706) 544-6419

Coastal Sub-Office
4980 Wildlife Drive
Townsend, Georgia 31331
Phone: (912) 832-8739
Fax: (912) 832-8744

Robert K. Larimore
Chief, Environmental Management Division
Department of the Army
Fort Benning, Georgia 31905-5000

Re: FWS Log No. 2015-CPA-0697

Dear Mr. Larimore:

This letter is the U.S. Fish and Wildlife Service's (Service) response to your letter dated April 2, 2015, regarding the proposed additions to Simpson Range, located on Fort Benning in Chattahoochee County. We submit the following comments under provisions of the Migratory Bird Treaty Act (16 U.S.C. 703, *et seq.*), and the Endangered Species Act of 1973 (Act), as amended (16 U.S.C. 1531, *et seq.*).

Based on the information you provided regarding the proposed action, the Service has determined the project may but is not likely to adversely affect the RCW. However, if new information becomes available or changes in the project occur that may involve federally listed species, further consultation with the Service will be required.

Your requirements under section 7(a)(2) of the Endangered Species Act have been fulfilled and based on the information you provided we concur with your finding, and, no further action is required.

If you have any questions or concerns about this consultation or the consultation process in general, please feel free to contact John Doesky at (706) 544-6030.

Sincerely,

Donald Imm
Field Supervisor



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
US ARMY INSTALLATION MANAGEMENT COMMAND
ATLANTIC REGION
HEADQUARTERS, UNITED STATES ARMY GARRISON
1 KARKER STREET, BUILDING 4, SUITE 5900
FORT BENNING, GEORGIA 31905-4500

Conservation Branch

02 APR 2015

Don Imm
Field Supervisor
U.S. Fish and Wildlife Service
West Park Center
105 West Park Drive, Suite D
Athens, GA 30605

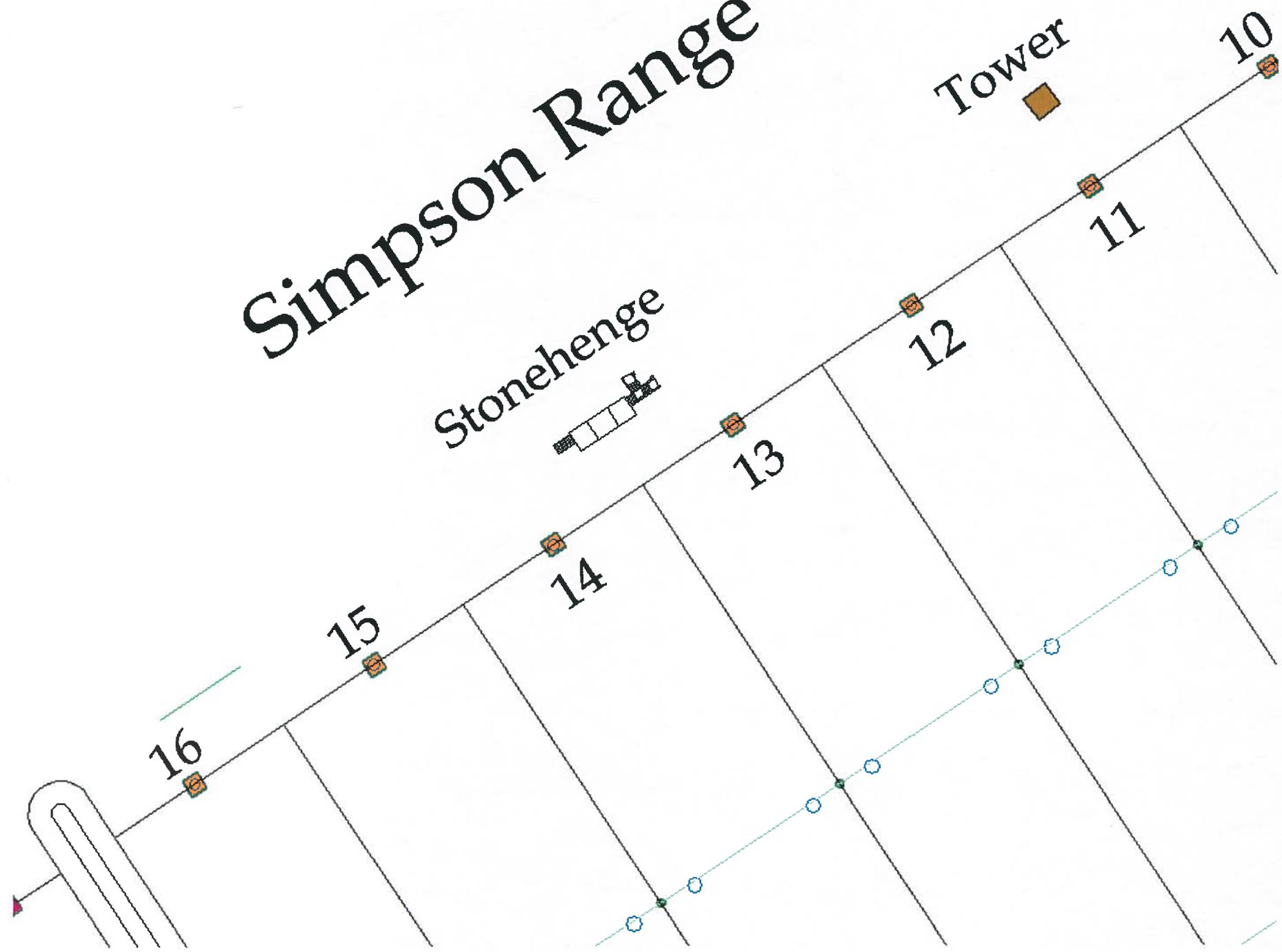
Dear Dr. Imm:

Fort Benning is proposing additions to Simpson Range in order to improve training for Soldiers at Fort Benning. This proposal will not involve removal of any habitat associated with the Red-cockaded Woodpecker (RCW).

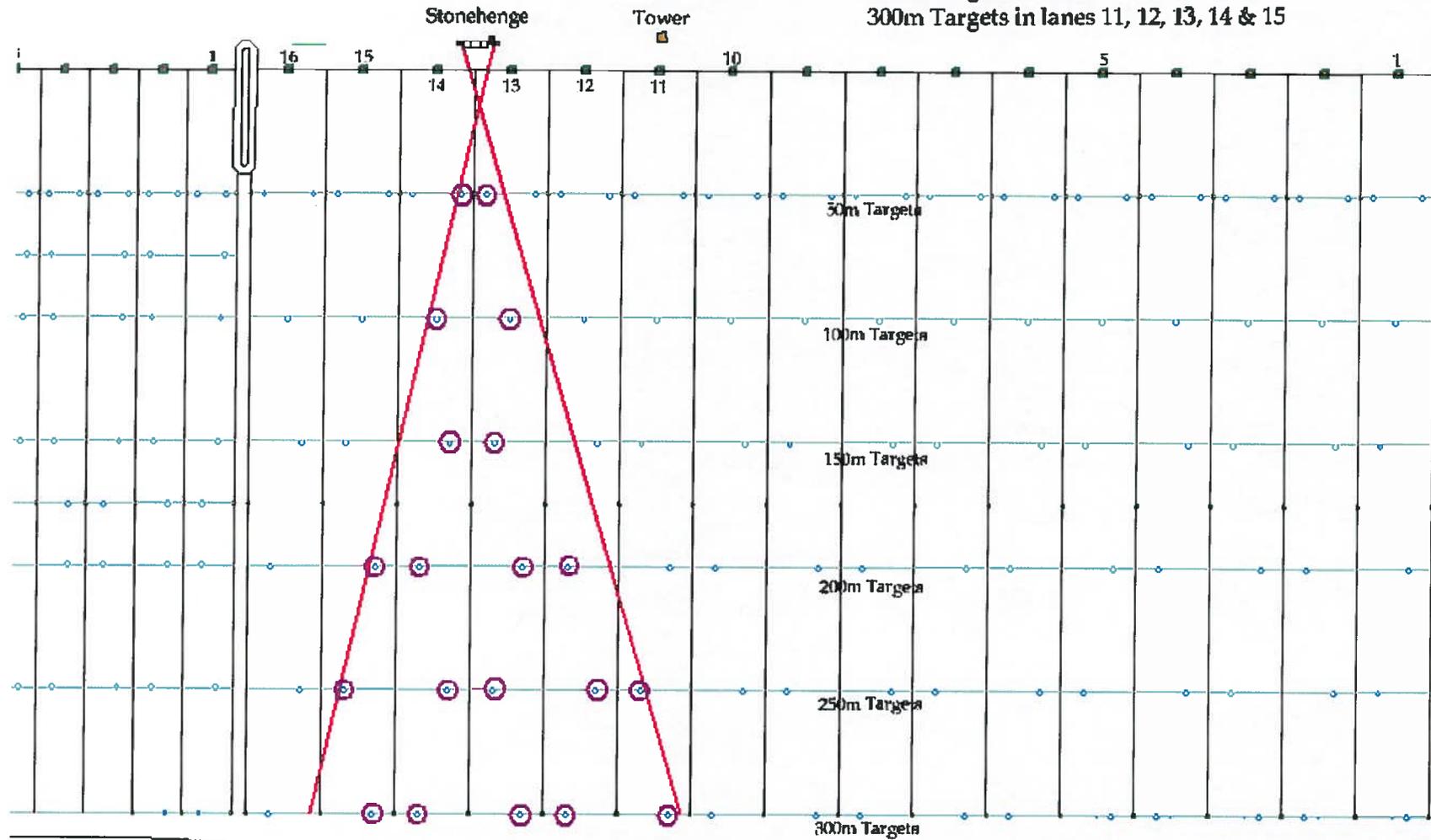
The Purpose of this addition to Simpson Range is to execute what is called a "Stress Shoot". Soldiers will be in combat uniform with a rifle. The soldier will start an approach to the range at the "6 Vaults obstacle" running through all obstacles until they get to the "Stonehenge" platform. No shooting will be done until they get to Stonehenge. Once arriving, they will have the ability to shoot from any location on the Stonehenge from base level to the top through any opening and in any position (prone, kneeling, or standing). They will have the opportunity to shoot any targets between the two firing lanes within the SDZ provided from 50 to 300 meters.

Throughput: a concentration of firing will be accumulated on those two lanes and can impact the berm and possibly beyond but due to the range only having one Stonehenge this will cause less firing on the flank lanes of that range; resulting in less firing on a majority of the range. The Stonehenge obstacle is 9 meters back from the current Firing Points so any firing will be contained in the current range "Composite SDZ". No significant impacts are expected beyond what the range currently maintains. Shooting will be controlled by leadership and this stage of shooting is for experienced soldiers only. Many of the shots will be executed from higher to lower angles resulting in better containment in front of the berm. The beaten area is not expected to be more than 200 meters beyond the berm, well short of the maximum Distance X of the SDZ. A line of sight analysis was conducted for this additional firing on the range (enclosure) and indicates that the current toe berm will be sufficient to stop the majority of rounds that are fired under normal operating procedures. Overall, usage of the range itself will not change nor will the amount of ammunition fired. The range currently operates year-round which will also not change.

Simpson Range

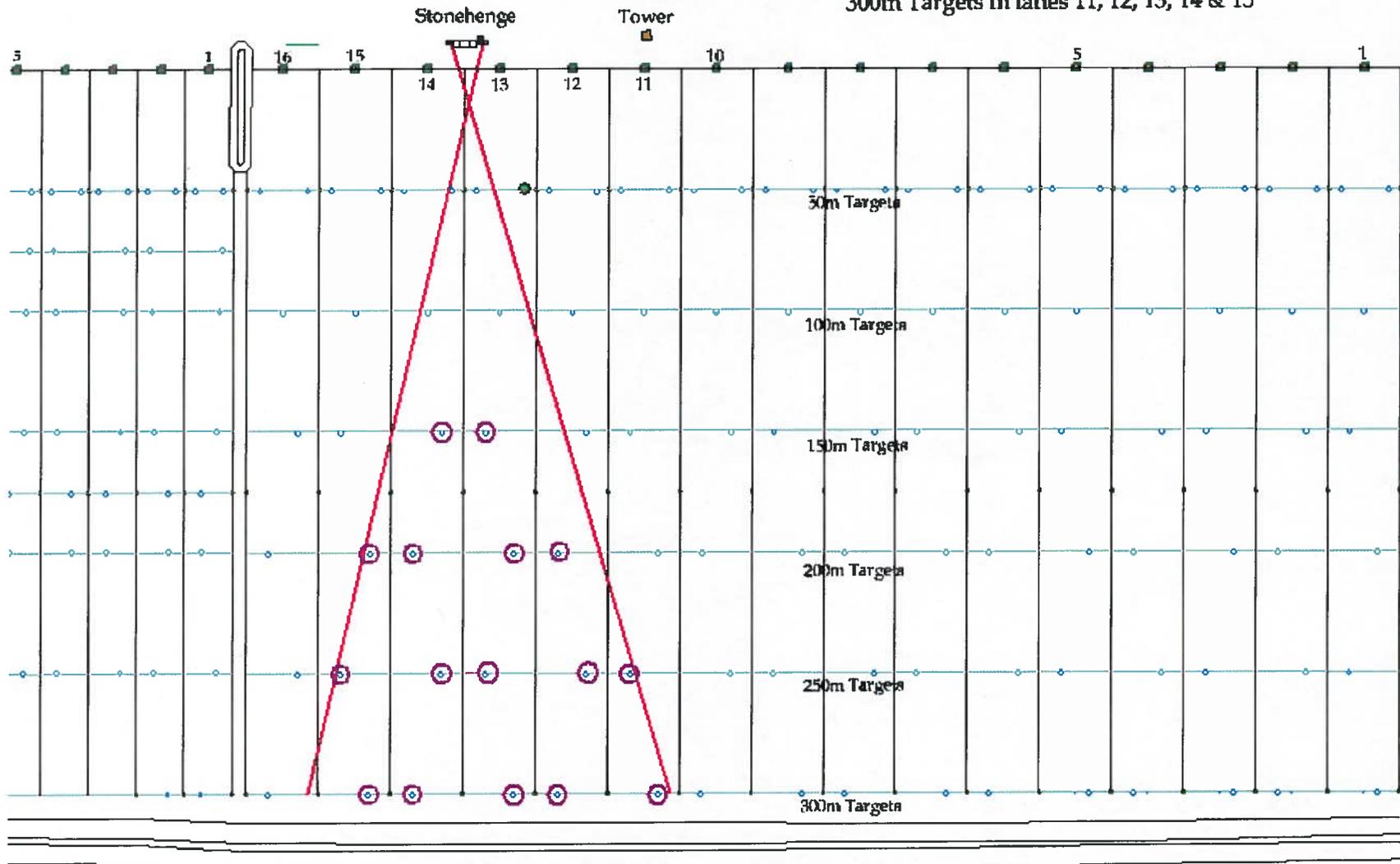


Stonehenge Ground Floor Targets Are:
 50m Targets in lanes 13 & 14
 100m Targets in lanes 13 & 14
 150m Targets in lanes 13 & 14
 200m Targets in lanes 12, 13, 14 & 15
 250m Targets in lanes 11, 12, 13, 14 & 15
 300m Targets in lanes 11, 12, 13, 14 & 15



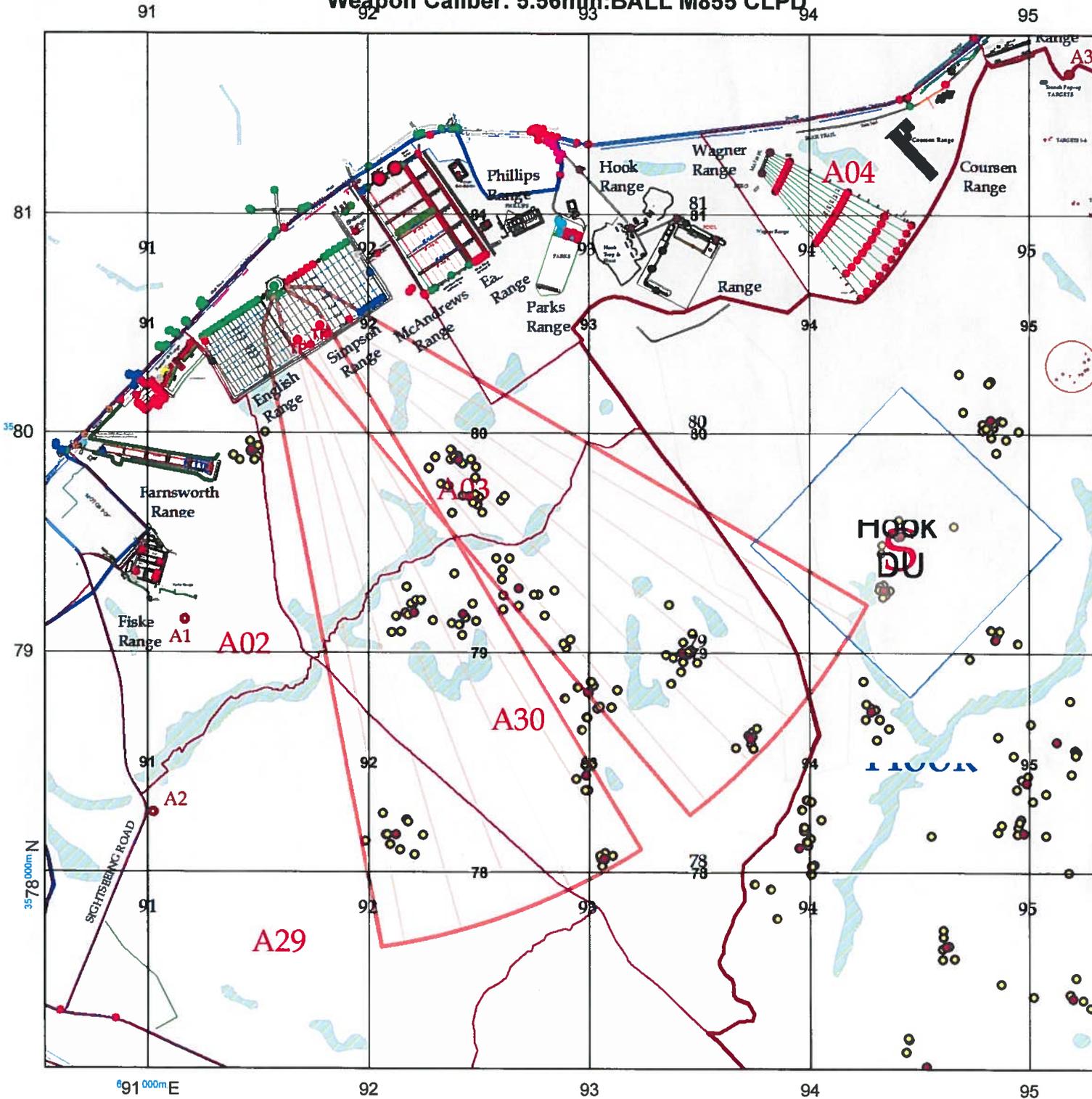
Simpson Range

Stonehenge Second Floor Targets Are:
150m Targets in lanes 13 & 14
200m Targets in lanes 12, 13, 14 & 15
250m Targets in lanes 11, 12, 13, 14 & 15
300m Targets in lanes 11, 12, 13, 14 & 15



Simpson Range

FOUO Unclassified
Weapon Type: SMALL ARMS
Weapon Caliber: 5.56mm:BALL M855 CLPD



Range Manager Signature Authority: Mr. Tesch	Date:		
Approving Authority: Mr. Bolding	Date:		
SDZ Created By: Survey	Date: 06/24/2015	Unit: 2-11th	Phone: 545-5916
			Email:
SDZ Name: simpson211log#2-115stonehengrsGround Target	Distance X: 3,049.00 m	Used Altitude: 1,000.00 ft	Target Media: Steel
Installation: Fort Benning	Area A: 100.00 m	Lt GTL Azi: 130.09 deg	Rt GTL Azi: 0.00 deg
Range Name: Simpson	Dispersion Angle: 5.00 deg	Ricochet Angle: 5.00 deg	FP: 16SFA9157480665
Range Officer: CPT Batcho	Angle A: 30.00 deg	TP: 16SFA9178280490	
Min Target Dist: 272.00 m	Vertical Hazard: 163.00 m		
Max Target Dist: 272.00 m			
Direct Fire			