

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: 15 March 2011 Log #03-16-11
Range: Griswold Range
Title: Weapons Eval/Demo
Problem No:

THRU:

FROM: Chief
Soldier Team
Maneuver Battle Lab

SECTION I, TYPE OF TRAINING

a. Live Fire b. Non-live Fire CP/Controller Coordinates: FA 9750 7370

SECTION II, DEMOLITIONS/GRENADES/MINES/PYROTECHNICS

Coordinates	Type	Model/DODAC	Size of Charges
N/A			

SECTION III, WEAPONS/AMMUNITION REQUESTED

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

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:
Barricks, Jerry W. GS-12

Name/rank of Major Unit S3/Commander:
Harry J. Lubin GS-13

SECTION VI, FOR RANGE DIVISION USE

DATE: 24 MAR 11

TO: Chief
Soldier Team
Maneuver Battle Lab
Fort Benning, GA 31905

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

- a. Roadblocks to be closed:
- b. Road(s) to be closed/road barrier locations:
- c. Remarks:
- d. This approval expires: 23 MAR 13

A: 8, 18, 22, 23A, 24, 25, 26, 27, 33A, 34.

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

Bruce S. Turner

Griswold, MBL Weapons Eval/Demo (Log #03-16-11) Weapons, Ammo Enclosure

Firing Positions	Weapons	Ammunition	Left Limit, Mils Grid Azimuth	Right limit, Mils Grid Azimuth
FP 1: FA 9750 7370	M2/M82A1-3/M107 M24/M40/M21 M240/M60 M16A1-4/M4/XM8, M249 AK47, M9, M1911 Shotgun (12ga), AT4 M203 Non-Leathal	.50 cal Ball/Tracer/ APIT & Link 7.62mm Ball/Tracer/M118 7.62mm Ball/Tracer Link 5.56mm Ball/Tracer & Link 7.62x39mm Ball, 9mm Ball, .45 cal Ball 00Buck/Slug/Bridshot, 9mm Sub-Cal 40mm TP Non-Leathal	6300	0300
FP 2: FA 9778 7465	Same as FP 1 300 Win Mag	Same as FP 1 300 Win Mag	6300	0325



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
HEADQUARTERS UNITED STATES ARMY MANEUVER CENTER OF EXCELLENCE
35 RIDGWAY LOOP
FORT BENNING, GEORGIA 31905-4500

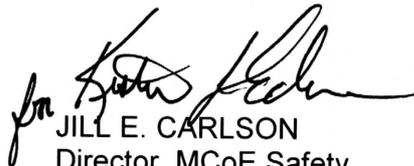
ATZB-SO (385)

21 March 2011

MEMORANDUM FOR Director, G-3, Maneuver Center of Excellence, Fort Benning, GA 31905.

SUBJECT: Griswold Range Weapon Demo/Evaluation.

1. References: Griswold Range Weapon Demo/Evaluation, MCoE Fort Benning, GA Range and Terrain Regulation 350-19, AR 385-10, and CRMW.
2. Concur without comment.
3. Point of contact is Mr. Kestner J. Edens, MCoE/Fort Benning Safety Office, Comm. (706) 545-0742, Govt. Cell. (706) 604-6885, jr.edens@us.army.mil


JILL E. CARLSON
Director, MCoE Safety
Fort Benning, Safety Office



DEPARTMENT OF THE ARMY
HEADQUARTERS UNITED STATES MANEUVER CENTER OF EXCELLENCE
35 RIDGWAY LOOP
FORT BENNING, GEORGIA 31905-5000

REPLY TO
ATTENTION OF

ATZB-CIM

16 March 2011

MEMORANDUM FOR RECORD

SUBJECT: Weapons Evaluation/Demonstration on Griswold

1. **Reference:** MCoE Regulation 350-19, Chap 3.
2. **Purpose:** The purpose of this training is to conduct Weapons Evaluation/Demonstrations of a variety of weapon systems as stated in FB form 350-19-1-E-R.
3. **Weapons and ammunition types:** As stated in section 3 of the FB form 350-19-1-E-R.
4. **Execution and concept of Operation:**
 - a. The Range Officer in Charge (OIC) and Range Safety Officer (RSO) will control this training. RSO will be positioned in order to control the actions of the shooters and ensure that all safety procedures are being followed. A safety briefing will be conducted for all personnel prior to all blank or live fire.
 - b. All firers will report to the firing line to be rodded on the range. The RSO will ensure all shooters know the left and right limits.
 - c. Each shooter will report the ammunition point to be issued ammo and return to the firing line. Once the shooter has given the RSO an up, he will then be given the command to lock and load his weapon.
 - d. No weapons will be taken off the firing line until they have been rodded and deemed cleared by the range safety.
 - e. Only one firing line at a time will be used.
5. **Safety:**
 - a. Signals:
 1. Primary means of lifting fire will be the command to cease fire.
 2. The Range OIC/RSO will act as the observer controllers.
 - b. Medical:
 1. Primary means of medical support will be on site qualified combat lifesavers w/bag.
 2. Primary means of evacuation will be an air medevac. Alternate means of evacuation will be a covered vehicle.

3. Unit will use the standard 9-line MEDEVAC in case serious injuries. Landing zone for MEDEVAC will be established prior to use and will be marked appropriately.
- c. Range OIC/RSO will brief the following safety notes:
1. All shooters/personnel are safety officers. Anyone who observes an unsafe act will immediately call for a cease fire.
 2. All weapons and ammo will discharge down range within the designated limits.
 3. All weapons will remain on safe unless engaging targets.
 4. Magazines will not be loaded until told to do so by RSO.
 5. At completion of firing, weapons will be put on safe, bolt locked to the rear, and then be rodded. A one-piece brass rod will be used to rod weapons.
 6. Ammunition: An ammo point will be established in the vicinity of the firing line. The ammo controller will control storage and distribution of all ammo. The ammo point will have a fire extinguisher, pallets, and water proofing as the ASP. Shooters will be issued only enough ammo for the iteration being fired.
 7. De-linking and/or Re-linking of ammunition and its use is not authorized.
 8. Any range or medical incident that occurs on the range will constitute a cease fire. Unit will report the incident immediately to Range Control and unit's higher headquarters.
 9. Emergency cease-fire will be verbal or a whistle.
 10. All experimental weapons and ammunitions will have an approved waiver and safety release before any firing is done on the range.
 11. The point of contact for this memorandum is Mr. Freddy Rose at 545-9776.



Freddy Rose
Project analyst
Maneuver Battle Lab

Griswold MBL
Weapons Eval/Demo
March 2011

FP 2: FA 9778 7465

FP 1: FA 9750 7370

Sunshine Road



Griswold MBL Weapons Eval/Demo Roadblock List , March 2011

BLOCK	GRID	LOCATION	TYPE
A-1	911 792	Across firebreak 200m down Fiske Range at right end of KD berm. Permanently closed.	Cable
A-2	910 783	Off Sightseeing Rd on unnamed trail opposite of entrance to LRC.	Gate
A-4	925 766	Off Sunshine Rd 1,200 m W. of entrance to Grandstaff range.	Gate
A-5	936 762	Across entrance road to Grandstaff Range. 10m N. of Sunshine Rd.	Gate
A-6	939 763	Off Sunshine Rd 100m W. of Oswichee Creek. Permanently closed.	Cable/ Berm
A-8	968 740	Across unnamed trail 30m N. of Sunshine Rd and 800m N.W. of entrance to Griswold Range.	Gate
A-10	018 730	Across entrance road to Flint Range. 50m N. of Sunshine Rd.	Gate
A-11	019 731	Across Lumpkin Trail 30m N. of its intersection with Sunshine Rd.	Gate
A-11A	032 729	Rd guard pos # 2 for Garnsey Rng Obj 'E' (intersection Jamestown/Sunshine Rd's	Rd Grd # 2
A-12	033 742	Across Garnsey Rd 50m W. of its intersection with Jamestown Rd.	Gate
A-12A	029 744	Across Garnsey Rd 400m W. of A-12 Roadblock.	Gate
A-12B	028 741	Across trail 150m SW of A-12A Roadblock. 50m W. of Range Bldg.	Gate
A-12C	036 746	Road guard position # 3 for Garnsey Rng Objective 'E' (Jamestown at Lightning Rd)	Road Guard # 3
A-13	936 762	Across Sunshine Rd 10m E. of the entrance to Grandstaff Range. (Road guard location)	Gate
A-14	974 733	Across Sunshine Rd 10m W. of the entrance to Griswold Range. (Road guard location)	Gate
A-15	021 799	Across entrance road to Buchanan Range.	Gate
A-15A	021 798	Gate Across Good Luck Rd	Gate
A-15B	022 796	Road guard position # 1 for Garnsey Rng Objective 'E' (Jamestown road SW corner of Engineer building)	Road Guard # 1
A-18	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	973 825	Across entrance road to Patton Range 400m S. of its intersection with 1st Div Rd.	Gate
A-20	974 827	Across entrance road to Dianda Range. 300m S. its intersection with 1st Div Rd.	Gate
A-22	015 817	Across unnamed trail 50m N. of Brinson Range and 10m off Jamestown Rd.	Gate
A-23	024 744	On unnamed trail N. of road entering Garnsey Range. 100m W. of ammo point on range.	Cable
A-23A	005 748	On Lumpkin trail 50m NW of Objective 'E' on Garnsey Range.	Gate
A-23B	005 747	Adjacent to A-23A gate on trail near intersection of Lumpkin trail	Install Gate
A-24	015 811	10m inside entrance gate of Brinson Rng south of entrance road.	Gate
A-25	016 789	Across fire break 10m W. of its intersection with Good Luck Rd.	Gate
A-26	013 798	On L/S of Buchanan Range 50 meters W. of chow area across entrance to fire break.	Cable
A-27	018 805	Across unnamed trl 175m N of intersection of Hourglass and Jamestown roads	Gate

BLOCK	GRID	LOCATION	TYPE
A-28	012 774	20 meters off Yankee road on south side of Galloway range.	Gate
A-28A	011 776	30 meters south of Range Tower	Gate
A-30	026 758	Across fire break leading to Garnsey Range. 140m SW of Brann Flat Range.	Gate
A-30A	027 758	Across trail leading to Garnsey Range 50m E. of A-30 Roadblock	Gate
A-31	020 745	Across fire break leading to Brann	Cable
A-32	989 724	Across entrance road to Kunzig Range.	Gate
A-33	974 734	Across entrance to Griswold Range.	Gate
A-33A	979 739	150 meters west of Target Systems bldg on trail leading to move to contact site	Gate
A-33B	982 739	20m N of Target Sys bldg on trail running on west side of bldg.	Install Gate
A-34	947 760	Across entrance to Minter Hill 700m E. of Oswichee Creek.	Gate
A-38	952 816	Across fire break 300m down range of firing line on Red Cloud Range on L. side of range.	Cable
A-39	956 822	Across unnamed trail 100m S. of bldgs on Buckner Range on L. side of range	Cable
A-40	967 823	Across fire break 50m down range on the left side of Pierce Range.	Gate
A-41	972 820	Across fire break located on the right side of the firing line on Patton Range.	Cable
A-42	978 820	Across fire break located on the left side of the firing line on Patton Range.	Cable
A-43	983 823	Across fire break located on the right side	Cable
A-44	986 823	Across fire break 100m E. of the 25m flat	Gate
A-45	990 827	Across fire break located on the right side of the firing line on Duke Range.	Gate
A-45A	991 829	Across Booker Breach site entrance road 200m past Duke Rng entrance gate	Gate
A-46	984 832	Across unnamed trail 100m W. of the intersection of 1st Div Rd and Ivy Rd.	Gate
A-47	990 833	Across unnamed trail 500m W. of the intersection with 1st Div & Buckeye Rd's	Gate
A-48	995 827	Across fire break located on the right side of the firing line on Porter Range.	Cable
A-49	998 827	Across fire break located on the left side of the firing line on Porter Range.	Cable
A-50	000 830	Across unnamed trail 200m W. of entrance to Maertens Range.	Gate
A-51	031 791	Barrier on Furman Rd	Barrier 1
A-52	034 776	Barrier on Yankee Rd	Barrier 2
A-53	035 776	Gate to Cole Range	Barrier 3
A-54	046 749	Barrier off Lightning Rd on unnamed trail	Barrier 5
A-55	057 759	Barrier off Lightning Rd on unnamed trail	Barrier 4

COMPOSITE RISK MANAGEMENT WORKSHEET

For use of this form, see FM5-19; the proponent agency is TRADOC

1. MSN/TASK Griswold Range Weapon Demo/Evaluation		2a. DTG BEGIN 16 March 2011 0800		2b. DTG END 15 March 2012 2359		3. DATE PREPARED (YYYYMMDD) 20110318	
4. PREPARED BY:							
a. LAST NAME Eberhart, Vincent		b. RANK Contractor			c. POSITION MBL Assistant Project Officer		
5. SUBTASK	6. HAZARDS	7. INITIAL RISK LEVEL	8. CONTROLS	9. RESIDUAL RISK LEVEL	10. HOW TO IMPLEMENT	11. HOW TO SUPERVISE (WHO)	12. WAS CONTROL EFFECTIVE?
New Equipment Training and Familiarization	Accidental Discharge of weapons during training	High	<ol style="list-style-type: none"> Soldiers observe appropriate weapons safety and control status. Experiment staff enforces weapons safety posture and control status. Experiment staff ensures minimum safe distance is enforced. 	Moderate	Safety briefings and experiment staff enforce controls with direct supervision.	Range OIC and RSO	
Personnel conducting weapons demonstration	Personnel injured or killed on the range due to procedures not being followed or physical hazard on range	High	<p>The Range Officer in charge (OIC)/ Range Safety Officer (RSO) will do the following.</p> <ol style="list-style-type: none"> Read and review the risk management worksheet. Ensure a combat lifesaver and dedicated evacuation vehicle are available. Inventory the combat lifesaver first aid bag. Identify personnel with medical problems having the potential to impact training to include minor illnesses, allergies, previous heat and/or cold weather injuries, or environmental sensitives. Review evacuation procedures and reporting procedures for serious incidents. Plan to evacuate personnel with allergic reactions, anyone with 25 meters of lightning strikes, cold weather/ heat injuries, snake bites, or anyone showing symptoms beyond the range OIC's experience and the combat lifesavers ability o treat. The OIC/RSO will direct an air MEDEVAC when the danger of loss of life, limb, or loss of eye sight exists. 	Moderate	Conduct a range safety brief to all personnel.	Range OIC and RSO	

Range Setup	Incorrect Ammunition	High	<p>Range OIC will not accept ammunition if the DODAC is not correct.</p> <ol style="list-style-type: none"> 1. Ammo check will be done for all authorized munitions. 2. All ammo will be separated by caliber and type. 3. Ammo will be distributed by evaluation staff only unless otherwise directed by the range safety officer. 	Moderate	Range OIC and RSO will inspect all ammo prior to conducting Demo/ Evaluation with Direct Supervision.	Conduct a walk through a prior to conducting weapon Demo/ Evaluation. Conduct a safe brief to all personnel on the range.	
	Move over, through or around obstacles	Moderate	<p>Range OIC or safety officer will:</p> <ol style="list-style-type: none"> 1. Give a safety briefing alerting personnel to tripping hazards: rocks, tree limb, fallen trees, and creek beds. 2. Range personnel will monitor movement throughout the range/training area for possible hazards. 3. Wire obstacles will be clearly marked and all personnel will be briefed on the locations and types of obstacles. 4. Range OIC and evaluation personnel will conduct a daylight recon of the entire range to ensure all safety measures have been addressed prior to actual opening of the range. 	Low	Safety briefings and experiment staff enforce controls with direct supervision.	Conduct a walk through a prior to conducting weapon Demo/ Evaluation. Conduct a safe brief to all personnel on the range.	
	Range personnel not familiar with range operations and required control measures	Moderate	<ol style="list-style-type: none"> 1. Conduct a daily risk assessment prior to opening the range IAW USAIC regulation 210-4. 2. Conduct a range safety briefing to all personnel on the range. 	Low	Conduct a safety briefing to all personnel on the range to include range operations.	Project Lead and Range staff	
Weapons Demo and Evaluation	Personnel experiencing cold injury	High	<ol style="list-style-type: none"> 1. All personnel with previous cold weather injuries will be identified with blue tape on the helmet band and closely monitored throughout the evaluation. The buddy system, and range 	Moderate	All personnel will receive a briefing on cold weather injuries and treatment. Personnel identified	Project Lead and Range staff	

			<p>staff will monitor personnel for the following:</p> <p>A. Immersion foot: Prolonged immersion in cold water, usually in the excess of 12 hours at temperatures below 50 degrees.</p> <p>B. Trench foot: Exposure to wetness and cold between freezing and 50 degrees lasting hours to several days.</p> <p>C. Frost bite: exposure to cold temperatures at freezing or below, for minutes to several hours.</p> <p>D. Hypothermia: Heat loss exceeding the body's heat production resulting in body temperature of 95 degrees or lower.</p>		<p>with a prior cold weather injury will be identified and marked with blue tape on the helmet band</p>	
	Personnel Struck by Lightning	High	<p>Range OIC or Safety Office will:</p> <ol style="list-style-type: none"> 1. Suspend all training during electrical storms. 2. Notify range control, higher Headquarters and chain of command of any incidents. 3. Brief all personnel on electrical storm plan and point out the location to ground weapons/gear and the designated lightning dispersal area to gather. <p>Range staff will:</p> <ol style="list-style-type: none"> 1. Inform personnel when to implement the storm plan. 2. Ensure all personnel ground their individual equipment and move to the designated dispersal area. 3. Ensure all personnel are spread 5 to 10 meters apart in the dispersal area until the storm clears or instructed to depart. 	Moderate	All personnel will be briefed on lightning and dispersal areas.	Project Lead and Range staff
	Personnel Bitten/Stung by snakes or insects	Moderate	<p>Range OIC or Safety Officer will:</p> <p>During a safety briefing, inform all personnel of the various types of wildlife that are hazardous and warn them not to handle or harass the wildlife.</p>	Low	Personnel will be briefed on insect bites and bee stings	Project Lead and Range staff

Weapons Demo and Evaluation	Specific Hazards (Duds, and Reinforce Safety During Demo/Evaluation)	Moderate	<p>1. RSO WILL:</p> <p>A. Brief all personnel on dud reporting and handling procedures.</p> <p>B. Report all duds to range control, Branch chief, and SBL headquarters.</p> <p>2. OIC will brief all personnel on the lay of the area and ensure they know the left and right boundaries.</p>	Low	Personnel will conduct a walk through prior to conducting training to ensure they know the lay of the range	Project Lead and Range staff	
	Soldiers suffering a Heat Injury	High	<p>1. Personnel will be acclimatized in accordance with USAIC Regulation 40-14 and MCOE Policy memo 40-14-6.</p> <p>2. At a minimum, hourly halts will be taken for water intake and rest. During heat category I and II the break will be not less than ten minutes. During heat category III the break will be not less than fifteen minutes. All Soldiers will carry at least two quarts of water, and water will be available on the range. Leaders will ensure Soldiers drink the following amounts of water as a minimum: Heat category I: 1/2 quart per hour Heat category II: 1/2 quart per hour Heat category III: 3/4 quart per hour Heat category IV: 3/4 quarts per hour Heat category V: 1 quarts per hour Daily fluid intake should not exceed 12 quarts or 11/2 per hr.</p> <p>3. Soldiers who have had a previous heat injury will be identified with white tape prior to the operation and will be closely monitored.</p> <p>4. At least one combat lifesaver will be assigned to support the operation.</p> <p>5. Wet Bulb will be monitored at all times.</p>	Moderate	Experiment staff provides detail brief on weather conditions and ensures that all personnel are enforcing the control measures. USAIC Regulation 40-14. MCOE Policy memo 40-14-6.	Project Lead and Range staff	

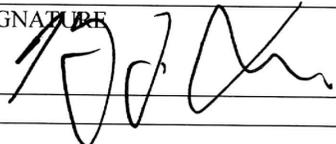
	Hearing Loss	Moderate	All personnel will wear hearing protection.	Low	Direct Supervision	OIC/ RSO/NCOIC	
	Weapons damage due to excessive use or parts loss	Moderate	All weapons will be checked prior to iteration.	Low	Direct Supervision	OIC/RSO/NCOIC	
	Ricochet	High	All personnel will wear eye pro, IBA, gloves and ACH. Safety inspections will be conducted daily for ricochet hazards. Personnel will be briefed to fire only at targets in their sector.	Moderate	Direct Supervision	OIC/RSO/NCOIC	
Additional controls			<ol style="list-style-type: none"> 1. Experiment Staff and Individual Soldiers are the primary safety mechanism. 2. Experiment Staff monitor to ensure that risk reduction measures are occurring. 3. Range OIC and RSO are responsible to enforce the standards set forth in this document. 				

Additional space for entries in Items 5 through 11 is provided on page 2.

13. OVERALL RISK LEVEL AFTER CONTROLS ARE IMPLEMENTED (Check One)

LOW
 MODERATE
 HIGH
 EXTREMELY HIGH

14. RISK DECISION AUTHORITY

a. LAST NAME Lubin, Harry J.	b. RANK GS 13	c. DUTY POSITION Chief Experimentation Branch	d. SIGNATURE 
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RECORD OF ENVIRONMENTAL CONSIDERATION (REC)



EMD Number: 123504

Project#: M6193,M6482,M
6191,M6854,M6
479,M6488

Project Title: Sniper Training

Description of proposed action:

During this block of instruction, students will familiarize and qualify with various sniper rifles. Each student will fire approximately 30 to 50 rounds of ammunition.

Project Location:

Amount, Description, Location of Disturbance/Digging:

Maertens, Burroughs, Buchanan, Booker, Griswold, Galloway

None

Number/Types of Vehicles:

Number of Personnel:

Type of Ammunition:

Number/Types of Trees:

None

approx 36 per class

5.56MM,7.62MM,.50C
AL,9MM Live

None

Size of Project Area:

Duration of Action:Start: 10/1/2010

Stop: 9/30/2011

Proponent: stacey.ballesteros 706-545-5677

Organization/Unit: Range Division

DECISION: Concur with conditions

This Action is adequately covered in the Existing EA titled: 'Ongoing Mission and siting Activities, USAIC, FT.Benning, GA.'

(NA): Training involving LIVE FIRE and tracked vehicles has NO CATEX -- "Ongoing Mission and Siting Activities, USAIC, Ft. Benning, GA."

REC APPROVED THROUGH 30 SEPTEMBER, 2011

Hazardous Materials/Waste

Conditions:

Ted Williams (706 545 7579), 8/31/2010

1. Ensure personnel know the correct procedure for handling misfires at the range:
2. Closed containers (ammunition can marked 'MISFIRES") will be used for the collection of misfires at each firing range.

-The MISFIRE container will stay closed except to add or remove misfires.
-Misfires SHALL NOT BE COLLECTED in any open container or cardboard box.

3. Ensure that all containers for collection of patches and swaps are kept closed unless weapons cleaning products are being added. Contact EPMB for detailed information on the proper disposal of waste products resulting from the training.
4. Contact POC for questions or additional guidance.

Noise

Conditions:

Ellis Leeder (706 545 7576), 8/24/2010

This is normal training that must be conducted annually. If there are any complaints received, the Environmental Management Division will investigate by determining if the noise was detected by noise detection monitors, and then recommending noise mitigation actions to the appropriate personnel. Please follow the Garrison guidelines to noise management and hours of firing operations. In accordance with the Army's policy on environmental noise management, all efforts shall be made to minimize noise annoyances to the highest extent practicable without interfering with the proposed mission. If any assistance is needed please feel free to contact Ellis Leeder at 706.545.7576 or email ellis.leeder@us.army.mil

CWA - Training

Conditions:

Jesse Taylor (706 545 0276), 8/24/2010

Environmental Review: Caution within training areas and motor pools should be taken to protect all nearby waterways (including perennial, intermittent streams and wetlands); as well as ground surfaces and any other sensitive areas in the vicinity of the training areas. Potential spills/releases from this activity that may occur before and/or during the FTX include: 1. Discharge and/or improperly disposal of oil or hazardous substances into or upon land, water, or into ground water areas from storage, handling and/or transportation of hazardous materials/waste; 2. Vehicle/equipment/generators leaks; 3. Fuel loading/unloading/refueling operations; 4. Field mess facilities/equipment/operations, and/or 5. Ammunitions /explosives (as applicable, before and/or during the FTX).

General SPCC Requirements: Ensure all hazardous materials are properly storage to prevent spill/discharges, to meet safety requirements for storage, and that containers are not exposed to the weather. Have adequate spill response supplies available during exercise for any spills that may likely occur. Use drip pans under vehicles and provide secondary containment for any fueling activities and hazardous material/waste storage. Locate all refueling operations and storage of hazardous materials/waste away from waterways and sensitive areas. See attached section on prevention procedures and CHECKlist (Figure 6.9.1) to be used during training exercise to comply with SPCC plan requirements. Ensure all wastewater from field mess equipment/operations particularly those involving oil/grease are collected and dispose properly. Do not discharge any wastewater into storm drains or dispose of oil/grease waste directly into land.

General ISCP Requirements: In the event of a spill/discharge -- notify Range Control by radio or call 544-6291, and they will notify E-911 for Fire Department/HAZMAT Team assistance and/or notification of the EMD office (Spill Beeper 706-317-6584). As appropriate, and if personnel are trained -- REACT to minimize spill damages. Submit a spill report to the EPMB Spill Program Manager (use Spill Response Report attached). All spills reaching navigable water must be reported immediately. The unit is responsible for the final cleanup of any spill during this exercise. Coordination with this office is required for clearance of the site.

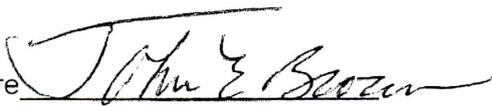
Natural Resources - RCW

Conditions:

Michael Barron (706 544 7080), 8/23/2010

See attached conditions. Note locations of red-cockaded woodpeckers on attached maps. Training restrictions apply. Unit commanders must make sure that all troops know the locations of restricted areas and understand these training restrictions. This is imperative since night training may occur. Boundaries are often hard to see at night, but this is no excuse for violations to occur. Two hour time restriction is for 2 hours once every 24 hour period. Note where digging may not occur. All trenches, fighting positions, etc must be filled in prior to leaving an area. There must be no cutting down or intentional destruction of any pine trees throughout the requested area(s). Units may fire on existing ranges but must make every effort to contain their firing to the established range footprints. Targets may not be moved from their current positions nor may new targets be established without approval via a separate 144R and a site visit with this office.

Signature

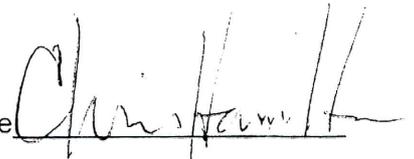


John E Brown
NEPA Program Manager

Date

2 Sep 10

Signature



Christopher E. Hamilton, PhD
EPMB Chief

Date

25 Sep 10

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

RECORD NUMBER: 123504

1. Conservation Branch (CB) personnel may inspect for environmental violations. During April - July, CB will require access to the Red-cockaded woodpecker (RCW) clusters to check for breeding activity. If any aspect of the exercise changes, a new 144R must be submitted. Unit should not conduct any type of activity that will result in the death or injury of pine trees that are 10 inches diameter or greater, this includes cutting, demolition, etc. Failure to adhere to these conditions may result in disapproval of future 144Rs.
2. Backfill all fighting positions before leaving the training area.
3. There are several Red-cockaded woodpecker clusters located in the area of these ranges. Note locations on attached maps. An exception is granted to conduct live fire on these ranges but restrictions apply to the clusters and area adjacent to the Ranges (see attached). On Griswold Range, units must not fire in the direction of the banded trees on the right/east (GLs 98061-74794 and 98382-75263) or left/west (GL 97479-75072) side of the range. All fire to the north must be concentrated at established targets. There are 2 RCW clusters located in the vicinity of Maertens Range at centerpoint GLs 99864-82539 and 00411-81820. Units must not fire into the tree line along the sides of the range and firing must be concentrated at established targets. There is one Red-cockaded woodpecker cluster in the area of Buchanan Range at centerpoint GL 01870-79902. Occupants of Buchanan Range must be aware of this cluster to the east, along the entrance road. There is 1 RCW cluster to the east of the Booker Breach Training Site at centerpoint GL 98941-82810. Training restrictions apply to use of these areas for any other activities occurring at the sites. Training restrictions apply to these areas. All target positions must be backstopped to minimize bullet damage to surrounding trees. These backstops must be maintained to be effective. No positions may be created, moved or expanded without concurrence with Conservation Branch. Two white bands mark cavity (nest) trees. The cluster boundaries extend approximately 200 feet from the cavity trees and are marked by signs indicating the area is an RCW cluster.
 - a. **Activities in cluster boundaries are limited to 2 hours with the following activities allowed:** Hasty defense-light infantry-hand digging, foot traffic, wheeled-vehicle traffic (must stay 50 feet from marked trees), vehicle maintenance, 7.62-mm and lower blank firing, artillery/hand grenade simulators, Hoffman type devices, smoke/haze operations-generators or pots (smoke can drift into, but source must be outside boundary), star cluster/parachute flare, cutting of hardwoods for camouflage (do not cut pines).
 - b. **The following activities are not allowed in the cluster boundary:** No other digging, establishment of command post, assembly area operations, established CS/CSS sites, live fire, noise generators, incendiary devices (including trip flares), CS/Riot gas, HC smoke, tank ditches, deliberate individual fighting positions, crew served fighting positions, vehicle fighting positions, force reduction positions, vehicle survivability postings.
 - c. Within ½ mile of a cluster, there is no mechanical digging within 20 feet of a mature pine tree (8 inches diameter at breast height or greater).
4. Report all wildfires to Range Control ASAP.

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

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

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

- (1) Vehicles (wheel and track) will not get closer than 50 feet of a marked cavity tree unless on an existing road or trail
- (2) Smoke generators and smoke pots will not be set up within 200 feet of a marked cavity tree, but the smoke may drift inside the 200 foot buffer

FIELD TRAINING EXERCISES AND DEPLOYMENT
GENERAL SPCC CHECKLIST
 Figure 6.9.1

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

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

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

Containment:

- ___ Ensure that secondary containment is used and in good condition.
- ___ Empty water within secondary containment on a regular basis. If water is contaminated, dispose of it IAW the Unit Hazardous Waste Management Plan.

HM/HW locations:

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

Environmental Documentation:

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

Containers:

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

Kits:

- ___ Place Spill Kits, First Aid Kits, and Emergency Response Kits in the vicinity of the HM/HW areas.
- ___ Spill Kits should also be available on vehicles transporting hazardous material/waste.

SPILL RESPONSE RECORD

PHASE I - IMMEDIATE ACTIONS FOR EVALUTING AND REPORTING SPILLS:

IMMEDIATELY REPORT ALL SPILLS TO YOUR SUPERVISOR AND CALL 911

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

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

1. DATE/TIME OF SPILL: _____
2. LOCATION: _____
3. MATERIAL SPILLED (include NSN and ingredients, if able): _____
4. HAZARD: FLAMMABLE _____ TOXIC _____ CORROSIVE _____
 OXIDIZER _____ REACTIVE _____ UNKNOWN _____
 OTHER (specify) _____
5. CAUSE OF SPILL: _____
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 or Sewer Drain: _____
 f. Name of Body of Water (River, Creek, Pond, Lake, Drainage Ditch): _____
7. HAS RELEASE BEEN STOPPED? _____
8. HAS RELEASE BEEN CONTAINED? _____
9. DID RELEASE CROSS INSTALLATION BOUNDARIES? (IF YES, DESCRIBE LOCATION) _____
10. TYPE AND EXTENT OF INJURIES, IF ANY: _____

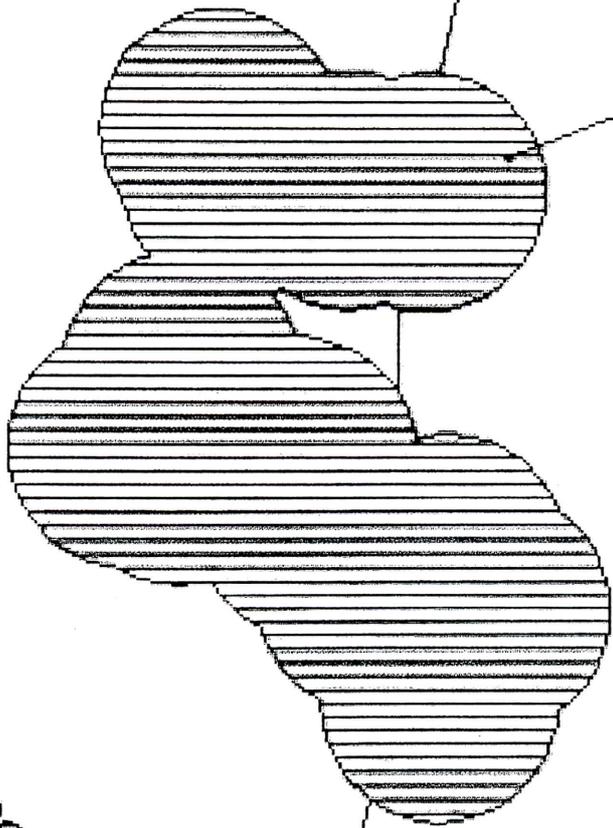
****Provide a copy of this form to DPW EPMB Spill Program Manager or FAX to 545-4209**

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

11. DESCRIBE CLEAN-UP METHOD AND CONTAINMENT PROCEDURES: _____
12. NAME OF CONTRACTOR INVOLVED IN CLEAN-UP: _____
13. ESTIMATED AMOUNT OF SPILL RESIDUE AND CONTAMINATED MATERIAL REMOVED: _____

buchanan
range

red-cockaded
woodpecker



good luck rd

james town rd

A07 and A08 Training Compartments

Red-cockaded Woodpecker

Legend

 cantonment_area

 Impact Areas

 RCW Tree

RCW_Cluster

 <all other values>

spring_sta

 ACT

 INA

Ft_Benning_2010.sid

RGB

 Red: Band_1

 Green: Band_2

 Blue: Band_3

0.06 0.03 0 0.06 Miles



Griswold Range

Red-cockaded Woodpecker

Legend

cantonment_area

Impact Areas

RCW Tree

RCW_Cluster

<all other values>

spring_sta

ACT

INA

Ft_Benning_2010.sid

RGB

Red: Band_1

Green: Band_2

Blue: Band_3

0.002 0.04 Miles



Maertens Range

Red-cockaded Woodpecker

Legend

- cantonment_area
- Impact Areas

● RCW Tree

RCW_Cluster

- <all other values>

spring_sta

- ACT
- INA

Ft_Benning_2010.sid

- RGB
- Red: Band_1
 - Green: Band_2
 - Blue: Band_3

0.02010 0.02 Miles



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: _____

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.

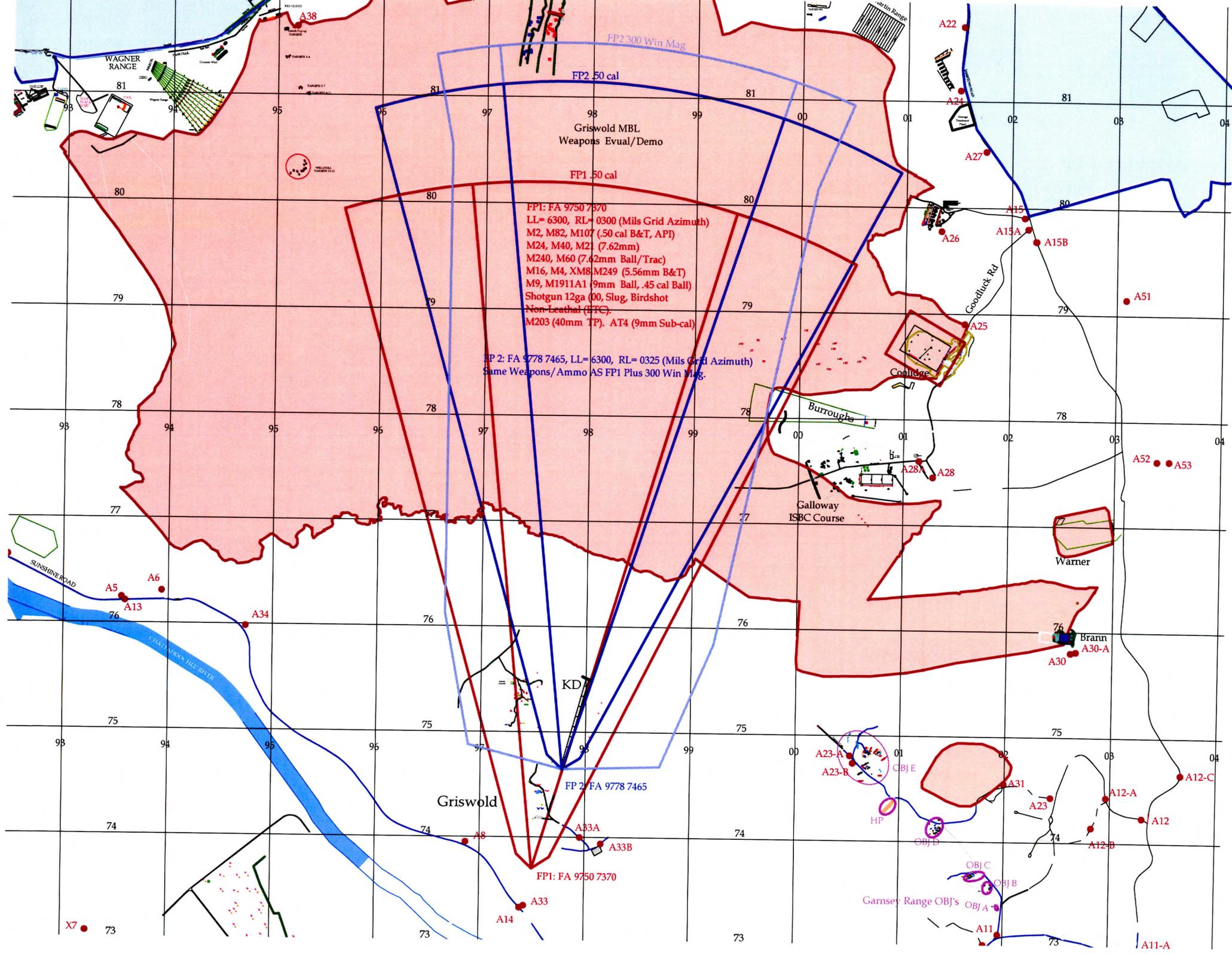
GOPHER TORTOISE: Inhabits burrows in high sandy areas. Some burrows are marked by white 1" PVC pipe topped with reflective tape. Digging and vehicular traffic must be kept more than 50 feet away from burrows.

----- 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.)



FP1: FA 9750 7370
LL= 6300, RL= 0300 (Mils Grid Azimuth)
M2, M82, M107 (.50 cal B&T, API)
M24, M40, M21 (7.62mm)
M240, M60 (7.62mm Ball/Trac)
M16, M4, XM8, M249 (5.56mm B&T)
M9, M1911A1 (9mm Ball, .45 cal Ball)
Shotgun 12ga (00, Slug, Birdshot
Non Lethal (NFC)
M203 (40mm TP), AT4 (9mm Sub-cal)

FP 2: FA 9778 7465, LL= 6300, RL= 0325 (Mils Grid Azimuth)
Same Weapons/Ammo AS FP1 Plus 300 Win Mag.

X7 ● 73

A11-A