

**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: January 1, 2012 Log #01-04-12  
Range: Malone 17  
Title: Zero, CQM, AMT, Stationary & Maneuver Barricade  
Problem No:

THRU: Chief, Range Operations

FROM: Survey, Range Operations

**SECTION I, TYPE OF TRAINING**

a. Live Fire       b. Non-live Fire      CP/Controller Coordinates: Range Tower GA 0627 9130

**SECTION II, DEMOLITIONS/GRENADES/MINES/PYROTECHNICS**

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

**SECTION III, WEAPONS/AMMUNITION REQUESTED**

Coordinates of Weapons Position	Type Weapon/Model Number	Type Ammunition	Left Limit	Right Limit
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:**

**SECTION V, NON-LIVE FIRE TRAINING**

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

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

Name/rank of Major Unit S3/Commander:  
Brad S. Tesch, GS12, Chief, Range Operations

*Benjamin T. Bolding*

*Brad S. Tesch*

**SECTION VI, FOR RANGE DIVISION USE**

DATE: 6 Jan 12

TO: Range Operations  
Fort Benning, GA 31905

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

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

*M: 1, 2, 3, 5, 7, 9, 10.*

c. Remarks:

d. This approval expires: **INDEF**

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

*Benjamin T. Bolding*

Malone 17, Range Division Standard Package (Log #01-04-12) Weapons/Ammo List Enclosure

Firing Positions	Weapons	Ammunition	Left Limit, Mils Grid Azimuth	Right limit, Mils Grid Azimuth
Maneuver Barricade W/ Reflexive Left Side of Wall: FP's 5-8, 18-21 Right Side of Wall: FP's 28-31, 42-45, 56-59	M4/M16	5.56mm Ball	(Left Side of Wall) 4415 (Right Side of Wall) 4385	(Left Side of Wall) 4805 (Right Side of Wall) 4775
25m Zero/Alt-C/Stationary Barricade Left Side of Wall: FP's 1-25 Right Side of Wall: FP's 26-70	M4/M16	5.56mm Ball	(Left Side of Wall) 4535 (Right Side of Wall) 4500	(Left Side of Wall) 4685 (Right Side of Wall) 4650
AMT/CQM/Reflexive (25-5m) Left Side of Wall: FP's 1-25	M4/M16	5.56mm Ball	(25m) 4535, (5m) 4425	(25m) 4685, (5m) 4795
AMT/CQM/Reflexive (25-5m) Right Side of Wall: FP's 26-70	M4/M16	5.56mm Ball	(25m) 4500, (5m) 4395	(25m) 4650, (5m) 4760
All Firing Positions Listed Above	M68, AN-PEM1, PAQ4, PEQA2, PAQ15, ANPVS14, etc...	LASER Aiming Devices	Same as All Above	Same as All Above
NOTE: Left Side of Wall, FP's 1-25: 0629 9115 to 0628 9122. Right Side of Wall, FP's 26-70: 0625 9127 to 0622 9140. LASER warning signs will be in place. Some LASERs must be used within 25m. Class III LASERs are not eye safe on dual low mode within 25m. Range Safety briefing will include the hazzards when using LASERs and NVD.				



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

REPLY TO  
ATTENTION OF

IMSE-BEN-PLT-R

6 January, 2012

MEMORANDUM FOR Director, Directorate of Operations, Training, and Security, Fort Benning, Georgia 31905

SUBJECT: Malone 17, Zero, Alt-C Qualification, AMT/CQM, BMS (Stress Fire), Alt Firing Positions (Standing, Kneeling, and Squatting), Stationary Barricade Firing, Maneuver Barricade with Lane separation, Reflexive Fire

1. **Purpose:**

The purpose of this memorandum is to outline the training concept and scenario for Firing on Malone 17 using live ammunition (Steel targets are not authorized for use on Malone 17). The training will familiarize Soldier's on firing techniques relative to combat conditions in the contemporary operating environment, firing realistic training scenarios from existing firing points and targets arrays with live munitions. During the execution of training at Malone 17, Soldiers will be able to train on the following tasks with this training packet.

- Zero (Day and Night)
- Alt-C Qualification (Day and Night)
- AMT/CQM
- Battle March and Shoot (Stress Fire)
- Alt Firing Positions (Standing, Kneeling, and Squatting, Day and Night)
- Stationary Barricade Firing (Day and Night)
- Maneuver Barricade Firing
- Non-Barricade Reflexive Fire

2. **Zero:**

Fire from existing firing points at the 25 meter targets with M16/M4 rifle. Four foot target frames will be used through-out this scenario. Firing orders will move to their firing points at the low ready keeping their weapon pointed down range. Soldiers will receive ammunition from the ammunition Supply Point, (ASP). Soldiers will place their weapon on the Platforms. Soldiers waiting to fire will place their weapon to the rear of the platform either on the right side or left side. Soldiers will not Lock and Load their weapons until told to do so by the Tower NCOIC. Units can use the 10 Lane separation with this event. When using the ten lane separation there will be a lane safety with each group of firers. Each group of firers are authorized to move down range to the 25 meter targets under the safety instructions independently from each other as long as they keep the ten lane separation between groups. Weapons will be cleared and remain on the firing line prior to moving downrange. **At no time will units proceed past the 25 meter target line.** Weapons will be cleared in accordance with (IAW) paragraph 15, weapon clearing

Procedures. See Figure #1 for authorized firing positions on the Platform.

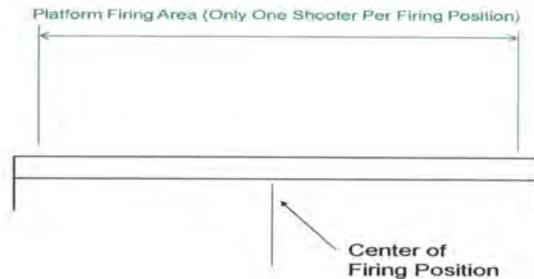
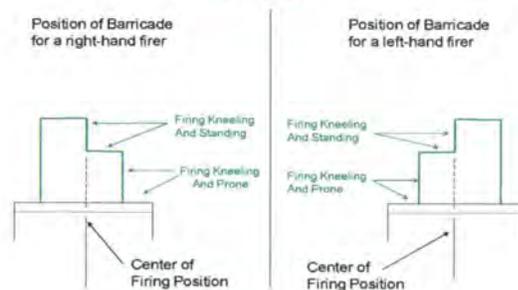


Figure #1 Positions of the Zero/Alt-C Firing on Malone 17

- Alt Firing Positions Fire (Standing, Kneeling and Prone):** Will be executed IAW FM 3-22-9 chapter 7. Soldiers will fire from fixed firing points at existing 25 meter targets in their firing lane. Soldiers will determine the firing position that offers the best chance of killing the target. Units can use the 10 Lane separation with this event. Soldiers will conduct load fire reduce stoppage, magazine changes, and target engagement during this iteration. **Soldiers will take all commands from the lane safety (When to load and unload). Lane safeties will ensure that all weapons are cleared before moving down range.** Weapons will be cleared IAW paragraph 15, weapon clearing procedures. See figure #1 above for authorized firing positions from the platforms.
- Stationary Barricade Firing, Fire over and around Barricade (Day and Night):** Will be executed IAW FM 3-22-9 chapter 7. This firing technique trains the Soldiers on the firing positions used in an urban environment. Soldiers will fire from fixed firing points at existing 25 meter targets in their firing lane. Soldiers will determine the firing position behind a barricade wall that offers the best chance of killing the target without exposing the Soldier to killing fire. Units can use the 10 Lane separation with this event. Soldiers will conduct load fire reduce stoppage, magazine changes, and target engagement during this iteration. **Soldiers will take all commands from the lane safety (When to load and unload). Lane safeties will ensure that all weapons are cleared before moving down range.** Weapons will be cleared IAW paragraph 15, weapon clearing procedures. **Authorized Barricade placement positions. (See Figure #2 Below)**

Placement of Stationary Barricades  
on Malone 17 Firing Positions

Figure #2



Note! Only One Shooter Per Firing Position

- Battle March and Shoot (Stress Fire):** Soldiers will fire from fixed platform firing positions at the ready line in the prone supported, unsupported and kneeling firing positions. Soldiers will

move from an unspecified distance to the actual range being fired on. Soldiers will carry a simulated casualty as a squad over a mile course ending at the range. Soldiers will immediately proceed to the ammunition point and be issued rounds. Soldiers will proceed to the firing line and fire the standard qualification scenario. Units can use the 10 Lane separation with this event.

**There will only be one firer per firing point on this range.** Weapons will be cleared IAW paragraph 15, weapon clearing procedures. (See Figure #1 and #2)

6. **ARM 3 (Day), ARM 3N (Night)** : Soldiers will train and fire under controlled conditions at all times. Soldiers will familiarize with the Close Combat Optic (CCO), Infrared Laser Device (PAQ 2, 4, 15), and NVG's (ANPVS14), to engage targets during the day and night. During the day portion of the training, a tower official gives all firing commands. During the night portion, a firing point official gives firing commands with the tower official acting as overall safety. Soldiers will fire from fixed platform firing points in the prone supported, prone unsupported and kneeling firing positions. The Soldiers are instructed when to load their weapons, and when to engage targets. Units can use the 10 Lane separation with this event for day firing only. At the conclusion of the exercise, weapons will be cleared IAW paragraph 15, weapon clearing procedures. All downrange feedback will be given from the tower. (See Figure #1 and #2)
7. **Alt-C Qualification**: The Alt-C Qualification will be conducted from the 25m firing line in accordance with lane firing on assigned points. All firers will only fire at their specific target on the 25m target line. Units can use the 10 Lane separation with this event. Weapons will be cleared IAW paragraph 15, weapon clearing procedures. (see figure #1 on Zero/Alt-C platform firing area)

8. **Basic, Advanced, Maneuver Barricade, Reflexive fire.**

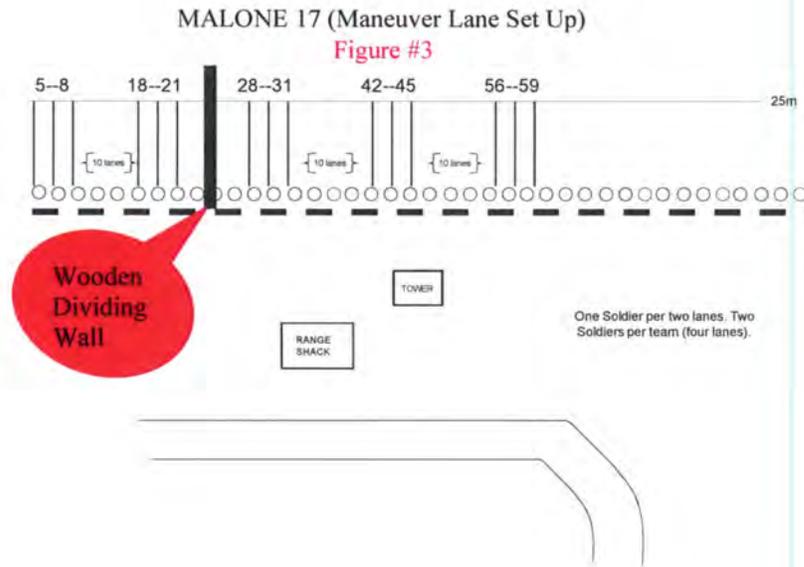
8a. Phase 1: Range Set-up. Unit will not need to call Range Control for Check Fire Status prior to range set-up. Lanes will be set up in the following manner: Left Side of wall: **FP5-8, FP18-21, Right side of wall: FP28-31, FP42-45, FP56-59. This provides the 10 Lane separation.** Weapons will be cleared IAW paragraph 15, weapon clearing procedures.

- a. Barricades – Two barricades per lane will be placed forward of the firing line, offset by a maximum of 2-meters distance from the center firing line. One barricade is placed near the 5-meter target line offset from the center left of the lane by no more than 2-meters. The second barricade is placed near the 10-meter target line offset from the center right by no more than 2-meters. Soldiers will only fire at the target directly in front of his/her Barricade. (See Figure #2-#5 for setup options)
- b. Targets – Two four foot “H” frames will be set up at 25-meter line on existing target numbers (75-meters from berm) with silhouette targets for the firer to engage. **This will not apply to the zeroing on this range.**
- c. Ammo – Ammunition will be loaded into magazines at the ammo point. Firers will receive four magazines with ten rounds in each magazine. 40 Rounds total.
- d. When executing Lateral movements Soldiers will only fire at targets in their lane. **Soldiers will not fire while moving from barricade to barricade, once they are in position behind the barricade they will then proceed to fire.** When walking left or right the Soldiers weapon will always be facing down and towards the target in their lane. Event can be run with Ten lanes of separation.

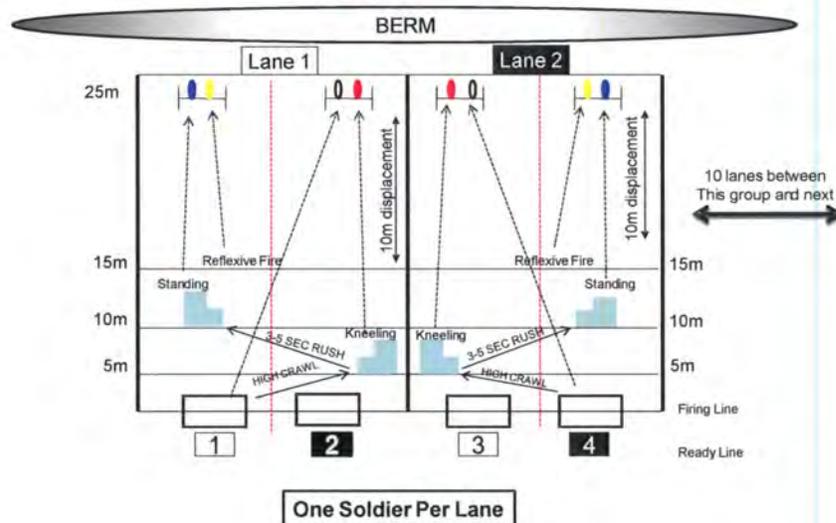
9. Phase 2: Maneuver Barricade, Dry Fire Rehearsal Areas – Before negotiating the fire and maneuver course (live fire), each firing group will negotiate the course for a practice run. The practice exercise will be conducted in the same lane and manner as the live-fire exercise except

without ammunition (dry fire). Each individual Soldier must be certified by the Range Safety on the same lane used to conduct the live fire exercise. Lane Safety will ensure that the Soldiers remain generally on line with each other. Weapons will be cleared IAW paragraph 15, weapon clearing procedures.

- a. Lane placement – The lanes will be set up so there are two lanes (four FP’s) adjacent to each other for DS/Safety/Cadre control (one DS/Safety/Cadre per pair of Soldiers). Each pair of firers will take up four FP’s with tens lanes between that pair of firers and the next pair of firers. Left side of the wall: **FP5-8, FP18-21, Right side of wall: FP28-31, FP42-45, FP56-59, this provides the 10 Lane separation.** (See Figure #3-#5)

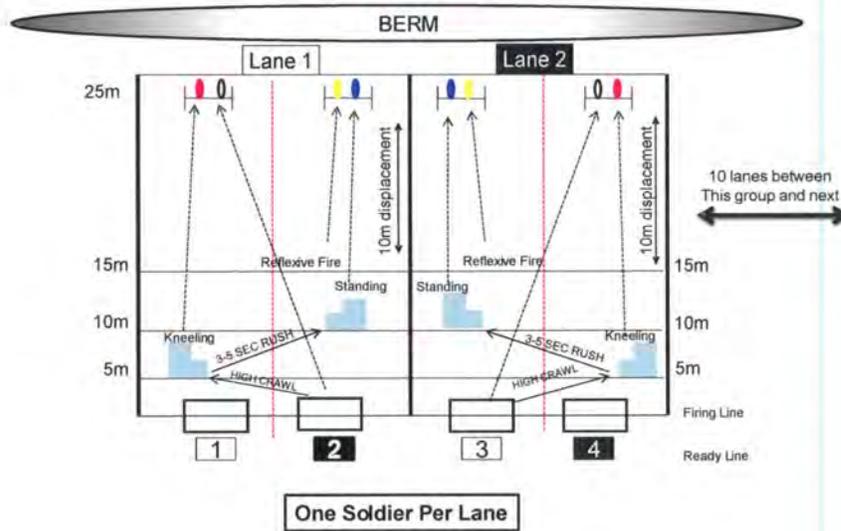


**Malone 17 Maneuver Lane Set-up "A"**  
**Figure #4**



# Malone 17 Maneuver Lane Set-up "B"

## Figure #5



10. Phase 3: Maneuver Barricade with Reflexive Fire (Figures #4 and #5): This will be conducted during the day and given an M16/M-4 rifle, 4 stationary targets exposed with alternating colors for target discrimination, 40 rounds of live ammunition. Weapons will be cleared IAW paragraph 15, weapon clearing procedures.

- First colored target will be engaged with 10 rounds from the prone position.
- Second colored target will be engaged with 10 rounds from the kneeling position.
- Third colored target will be engaged with 10 rounds from the standing position.
- Finally, the last target will be engaged with the remaining 10 rounds while walking straight forward in his/her lane toward the target conducting reflexive fire (see Figure #4 and #5).
- During the live fire, the firer will receive orders from the Drill Sergeant/Safety/Cadre on when to advance to assume the next firing position and what color target the firer is to engage. Soldier will only fire at the targets in his/her lane. **Soldiers will not fire burst or auto fire on this range.**
- The firer will determine when to change magazines.
- Each Range Safety will supervise individual firer's actions.
- Each firer will complete this event while wearing a helmet, LBE, IBA, Eye pro and Ear pro with a M68 CCO or other similar optics is optional for this course.
  - a. Prone Firing Position (Firing Line). All orders will be given by the Drill Sergeant/Safety/Cadre on that lane. The firer will advance to the firing line, load one 10-round magazine, assume the prone firing position, and engages first stationary colored target at 25-meters while correcting any malfunctions (there will be **NO** inducing of malfunctions on this range). Once the last round has been fired the firer will place weapon on "safe", conduct a magazine change and prepare to move to the next firing position. The Drill Sergeant/Safety/Cadre will ensure that the firer conducts all safety checks prior to moving. Firers will conduct a High Crawl (commando crawl) to the first barricade and pull up a good kneeling position. Firer will not move until told to do so by the Safety.

- b. Barricade Kneeling Firing Position (5-meter target line). The firer should have one 10-round magazine loaded. The firer advances to the first barricade using the High Crawl (commando Crawl) technique. The firer then assumes the kneeling firing position and engages the second stationary colored target at 20-meters while correcting any malfunctions. Once the last round has been fired the firer will place weapon on "safe", conduct a magazine change and prepare to move to the next firing position. The Drill Sergeant/Safety/Cadre will ensure that the firer conducts all safety checks prior to moving. Firers will carry their weapon at the low ready position while maneuvering.
- c. Barricade Standing Firing Position (10-meter target line). The firer should have one 10-round magazine loaded. The firer advances, assumes the standing supported firing position behind the second barricade, and engages the third stationary colored target at 15-meters while correcting any malfunctions. Once the last round has been fired the firer will place weapon on "safe" and prepare to conduct the final portion of the range. The Drill Sergeant/Safety/Cadre will ensure that the firer conducts all safety checks prior to moving.

d. Ready, Up, Reflexive Walking Fire, (10-15 meter target line). The firer should have the last 10-round magazine loaded. The firer centers himself on the final target in his/her lane and assumes a standing reflexive firing position directly in front of the last barricade. The firer will be given the command of walk. Once walking the firer will receive the commands of "ready up" then firing controlled pairs of rounds at the center target while correcting any malfunctions. **There will be no 180 degree turns during the reflexive fire exercise.** The firer will take a knee when correcting a malfunction and when all ammunition is expended. During Lateral movement the Soldier can walk left or right but must keep his/her weapon pointed down and towards the target. Soldiers will only fire at targets in his/her lane. Range Safety will score each successful hit plus assess the firer's stance and individual skill as T, P, or U on the score card. Weapons will be cleared IAW paragraph 15, weapon clearing procedures. (See Figure #4 - #6 below for Set up)

## FIRING LINE

### REFLEX FIRE

#### Figure #6

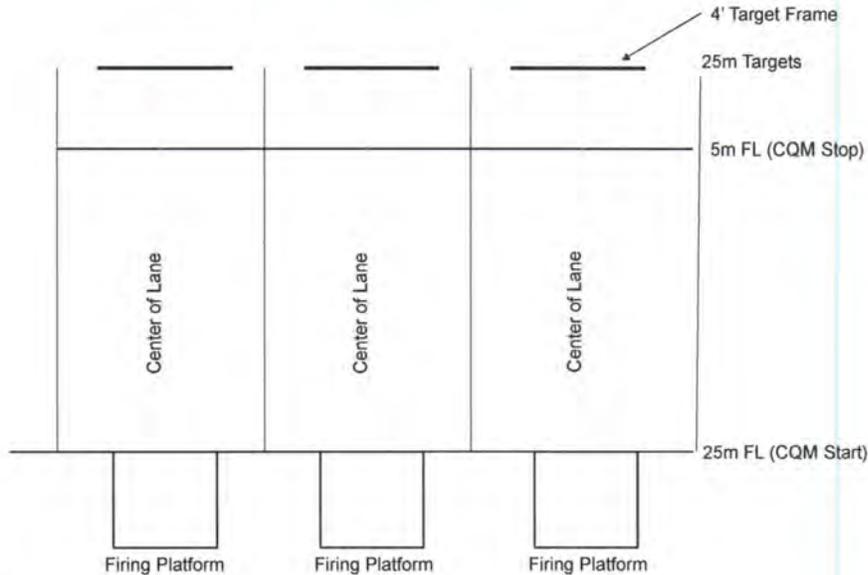


Move from cover. Reflex fire at the final target using controlled pairs will be conducted while walking toward the target. Correct malfunction as needed. Stow Magazine and Clear weapon.

- Soldier will engage targets while moving toward the final paper plate target.
- Target engagement will be conducted with controlled pairs.
- Upon completion of the Ten round magazine the Soldier will ensure weapon is on safe and conduct a final magazine change.
- ❖ Soldier will clear his M4 and conduct a dry fire exercise prior to exiting the range.

Reflexive/CQM Firing on Malone 17. Moving Down Center of Lane Firing at Targets Placed in The Four Foot Target Frame at 25m. Only One Shooter Allowed Per Lane

Figure 7 (Non Barricade Reflexive Fire)



### 11. Non Barricade Reflexive Fire:

1. All training will be conducted in accordance with FM 3-22.9. Units can use the 10 Lane separation with this event
2. Soldiers will be given a specific amount of ammunition and told when to lock and load, and take all commands from the safety.
3. Soldiers will shoot controlled pairs into targets from the 4, 7,10,15,25 meter line from the stationary position, straight ahead from walking, walk-stop-shoot, run-stop-shoot, walk laterally to the left and right. Soldiers will not be turning left or right. Soldiers will only fire at targets in his/her lane.
4. Weapons will be carried with the Low-carry technique. The butt stock of the weapon will be placed in the pocket of the shoulder. The barrel of the weapon will be pointed down at the ground. Weapons will be on safe until engaging the target. All weapons will be pointed down range. Weapons will be cleared IAW paragraph 15, weapon clearing procedures.

12. Clear weapon (Rod and Clearing Barrel). Each Range Safety ensures that weapons are properly cleared and all magazines are properly stowed. Once each lane is clear, then the firing order will return to the ready line and exit the range. Weapons will be cleared IAW paragraph 15, weapon clearing procedures.

- a. Phase 4: Range Clean-up. Unit will call Range Control for a "Check Fire Status" prior to range clean up.
- b. Check Fire Status – Check Fire Status will not be called prior to set-up due to the range being a stationary 25-meter range.
- c. 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 USAIC Regulation 350-19 and USAIC 40-2. Landing zone for MEDEVAC

aircraft will be established prior to use and will be marked appropriately. Using units higher Headquarters and Range Control will be notified in this event.

- d. Safety Brief – All personnel will receive the range safety brief prior to the demonstration. All personnel will receive a laser safety brief on the hazards of lasers.
- e. Demonstration – A live fire demonstration will be conducted by experienced cadre prior to the dry fire rehearsal.
- f. Upon completion of the shooting iteration Soldiers will move down range and verify their targets with the supervision of their Drill Sergeant/Safety/Cadre. They can safely move down range using the 10 lanes of separation concept safely. Weapons will be cleared and checked by the lane safety prior to movement. Weapons will be left on the sandbags on the platforms on the firing line.
- g. Unit will establish an Ammunition Point. Unit will keep ammunition guarded at all times. Two working fire extinguishers will be at the ammo point at all times.
- h. Unit will maintain continuous contact with Range Control at all times. If communications are lost the unit will go into a self induced check fire until communications are restored.
- i. There will be no more than One Firer per Firing Point on this range.**
- j. No one will proceed past the 25-meter target line at any time.**
- k. Four foot target frames will be used through-out this scenario.**
- l. There will be no Burst or Automatic Fire on the Range.**

13. Dry Fire Rehearsal – Before negotiating the fire and maneuver course (live fire); each order will negotiate a practice course. The practice exercise will be conducted in the same manner as the live-fire exercise except without ammunition (dry fire). Each firer must be certified on the same lane that he will conduct the live fire exercise. A weapons and ammo check will be made by the cadre prior to this event to make sure no live ammunition is present during the dry fire rehearsal.

13a. Live Fire Exercise Safety:

- a. Drill Sergeant/Safety/Cadre supervision – One Range Safety per every two firers plus an additional Safety in the range tower. Each firer will have two lanes with no separation between him and his battle buddy. Each firing pair will be separated by ten lanes. (See **Figures 3-5** for Barricade placement and target placement.)
- b. Handling of ammo – All ammunition will be loaded into magazines at the ammo point. Soldiers cannot receive ammo unless they have successfully completed the BRM Task Assessment.
- c. Range Safeties will supervise proper stowage of magazines. Extra loaded magazines will be placed inside the Soldiers ammo pouches and will not be loaded until all Soldiers are online and the firing line is cleared for firing.
- d. Weapon safety when loaded – All orders will be given by the lane safety while magazines are loaded into the weapon. Range

Safeties will ensure safe weapon orientation throughout the entire live fire exercise.

- e. Weapon safety while maneuvering – Buddy teams will remain online throughout the live fire exercise. There will be a ten (10) lane separation between each buddy team pair of lanes. All weapons will be placed on “safe” and carried at the low ready position while maneuvering to the next firing position and when exiting the range. All orders to maneuver on and off the range will be received from tower. Range Safeties will supervise at all times to mitigate the risk of fratricide.
- f. When an incident occurs on the range, regardless of injury or not, the OIC/RSO will immediately report it to Range Control and the using unit’s higher headquarters. The following information will be furnished by the OIC/RSO to Range Control:
  - a. Designation of unit.
  - b. Range and location
  - c. Type of weapon involved.
  - d. Type of ammunition involved.
  - e. Brief summary of what happened.
  - f. Personnel injuries and extent.
  - g. Full Name, SS#, Rank and unit of injured personnel.
  - h. Extent of property damage.
  - i. Intentions regarding an AR 15-6 investigation.

13b. Offset Placement of barricades – Barricades will be placed offset a maximum distance of 2-meters of the center line and in a manner that will affect neither the previous firing position for that lane, nor any firing position on adjacent firing lanes. **See Figures 2, 4, and 5 for placement of barricades and targets. Soldiers will not Lock and Load until told to do so by the Tower NCOIC. Soldiers who are waiting to fire will not have ammunition until they move to the firing line.**

14. Exiting the range – All firers will properly clear their weapons at the conclusion of firing. Firers cannot exit the range until they have been cleared by a Range Safety. Weapons will be cleared IAW paragraph 15, weapon clearing procedures.

**15. Weapon Clearing Procedures:**

- 1) All Soldiers will have their rifles rodded with a one piece cleaning rod or similar device upon entering the range and proceeding to their firing positions by a qualified range safety.
- 2) Upon completion of Soldier's firing exercise and before leaving the firing position the Soldier will have his weapon visually inspected/cleared by a qualified range safety. This person cannot be a Soldier in a training status.
- 3) The Soldier will then proceed off the firing line to the clearing barrel where he will dry fire his weapon IAW published procedures.
- 4) Before exiting the range, the Soldier will then have his weapon rodded with a one piece cleaning rod or similar device by a qualified range safety.

5) Once off the firing line Soldiers will be contained in a small assembly area where a full ammunition and brass check will be conducted by the Range Safety Officer before being released back with the remainder of the Soldiers on the range.

**16. Risk Management Worksheets:**

Units training on Malone 17 using this Range Division standard package are required to have in their possession while occupying Malone 17 their current commander's approved risk management worksheet along with Post Safety's concur/non-concur memorandum. These documents will be provided to the Chief of Range Operations prior to units submitting a request to schedule Malone 17. Units are also required to provide updated risk management worksheets along with an updated Post Safety concur/non-concur memorandum when there's a change in the unit command to the Chief of Range Operations prior to units submitting a request to schedule Malone 17.

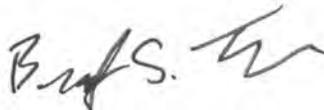
**17. General:**

1) Units can run two separate events on this range providing they are on opposite sides of the wall.

2) All ammunition will be loaded into magazines at the ammo point. Soldiers cannot receive ammo unless they have successfully completed the BRM Task Assessment. Range Safeties will supervise proper stowage of magazines. Extra loaded magazines will be placed inside the Soldiers ammo pouches. Weapons will not be loaded until Soldiers are on the firing line and the order to load is given. Range Safeties will ensure safe weapon orientation throughout the entire live fire exercise. All orders to maneuver on and off the range will be received from tower. Range Safeties will supervise at all times to mitigate the risk of fratricide

3) Soldiers are not permitted to have ammunition when they are not occupying the firing line.

18. Point of contact for this memorandum is the undersigned @ 706-544-6385.



BRADLEY S. TESCH  
GS12, Chief, Range Operations  
Range Division, DPTMS



Berm

Berm

Fence

Wall

FP's 1-25

FP's 26-70 (45)

25m Targets  
5m CQM FL

25m FL

25m Targets  
5m CQM FL

25m FL

Bleachers

Malone 17  
70 FP's Total

Range Control Malone 17 Roadblock List, 1 January 2012

BLOCK	GRID	LOCATION	TYPE
M-1	009 910	Across Steam Mill Rd 10m E of its intersection with Wildcat Rd.	Gate
M-2	019 938	Across Massey Rd 10 meters S. of its intersection with Buena Vista Rd.	Gate
M-3	046 892	Across Stenay Rd 30m N. of its intersection with 2nd Armored Division Rd.	Gate
M-4	046 935	Across Red Arrow Rd 30m S. of its intersection with Buena Vista Rd.	Gate
M-5	045 933	Across unnamed trail 220m SW of its intersection with Red Arrow Rd.	Gate
M-6	058 927	Across Red Arrow Rd 30m W. of its intersection with Midwest Rd.	Gate
M-7	052 923	Across Steam Mill Rd 400m S. of its intersection with Red Arrow Rd.	Gate
M-8	021 891	Across unnamed trail on S side of 2nd Armored Div Rd 110m E of entrance to Malone 2.	Gate
M-9	032 937	Across unnamed trail on S side of Buena Vista Rd 200m E. of entrance to Young Range.	Gate
M-10	059 926	Entrance to Borrow Pit on Red Arrow Rd. 50m SE of M-6 Roadblock.	Gate



**IMCOM**  
SOLDIERS • FAMILIES • CIVILIANS

# RECORD OF ENVIRONMENTAL CONSIDERATION (REC)



**EMD Number:** 1122424

**Project#:** 0012

**Project Title:** BASIC MARKSMANSHIP

**Description of proposed action:**

ALLOTTED ROUNDS PER SOLDIER PER RANGE; MALONE 2-108RDS OF 5.56MM BALL, MALONE 7-40RDS OF 5.56MM BALL, MALONE 9-18RDS OF 5.56 BALL, MALONE 9-18RDS OF 5.56 BALL MALONE 11-27 RDS OF 5.56 BALL, MALONE 14-40RDS OF 5.56 BALL, MALONE 16-40 OF 5.56 BALL, MALONE 18-50RDS OF 5.56 BALL, FOR AIM PERIODS OF INSTRUCTION THE FOLLOWING ALLOTTED ROUNDS PER SOLDIER APPLY; AIM 1-58 RDS OF 5.56 BALL, AIMS 2-41RDS OF 5.56 BALL, AIM3-11RDS OF 5.56 BALL, AIMS 4-44RDS 5.56 BALL AND AIMS 5-36 RDS BALL AMMUNITION. AIM PERIOD OF INSTRUCTION CAN BE SCHEDULED ON MALONE 14, MALONE 16, MALONE 17 AND MALONE 18, MCANDREWS NOT TYPICAL TRAINING(Renewal ~KP)

**Project Location:**

MALONE 2,7,9,11,14, 15,16,17,18, MCANDREWS

**Amount, Description, Location of Disturbance/Digging:**

NONE

**Number/Types of Vehicles:**

NONE

**Number of Personnel:**

APPROX.600 SOLDIERS  
PER WEEK

**Type of Ammunition:**

5.56MM BAL, 5.56MM  
TRACER LIVE Live

**Number/Types of Trees:**

NONE

**Size of Project Area:** NONE

**Duration of Action:**Start: 10/1/2011

Stop: 9/30/2012

**Proponent:** christopher.m.morse 545-8594

**Organization/Unit:** E CO 2-29 S-3

\*\*\*\*\*  
**DECISION:** Concur with conditions

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

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

\*\*\*\*\*  
**REC APPROVED THROUGH 30 SEPTEMBER, 2012**

**Natural Resources - RCW**

**Conditions:**

Michael Barron (706 544 7080), 8/16/2011

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.

**Noise**

**Conditions:**

Ellis Leeder ( 706 545 7576), 8/16/2011

This is normal training or flight training operations that must be conducted annually. If there are any complaints received, the Environmental Management Division IONMP and or POA programs will investigate by determining if the noise was detected by noise detection monitors, and then recommending operational noise mitigation actions to the appropriate personnel for the training actions. In accordance with the Army's policy on environmental noise management, all efforts shall be made to minimize noise annoyances to the highest extent practicable with training operations without interfering with the proposed missions. Please follow good smoke management practices not allowing smoke to travel off Installation boundary. If any assistance or a copy of MCoE Regulation 350-19 is needed please feel free to contact Ellis Leeder at 706.545.2400 or email ellis.leeder@us.army.mil

\*\*\*\*\*

CWA - Training

Conditions:

Jesse Taylor (706 545 0276), 8/30/2011

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

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

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

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

Hazardous Materials/Waste

Conditions:

Dudley Carson (706 545 7570), 8/15/2011

Considerations for Field Training Exercises and Range Operations

1. Appropriate precautions must be taken to prevent hazardous material spills. Have adequate quantities of spill response supplies on hand. If a spill occurs use notification procedures as outlined in the Fort Benning Hazardous Waste Management Plan. Contain and clean up spill according to guidance provided by the Environmental Protection Management Branch. Any waste generated must undergo a waste stream analysis to determine appropriate management requirements. If any hazardous waste is generated it must be managed in accordance with Federal, State, Army and Fort Benning regulations.

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

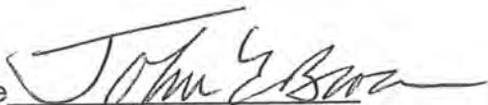
- Closed containers (ammunition can marked "MISFIRES") will be used for the collection of misfires at each firing range.
- The MISFIRE container will stay closed except to add or remove misfires.
- Misfires SHALL NOT BE COLLECTED in any open container or cardboard box.

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

A dud shall not be removed from the range; it will be marked, called into range control and will be properly disposed of by EOD personnel IAW/MCOE Reg 350-19, dated 23 July 2010.

3. Rubbish, empty containers and other waste shall be removed from the training area after the exercise. Contact EPMB for detailed information on the proper disposal of waste products resulting from the exercise.

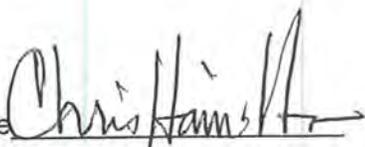
4. Contact POC for questions or additional guidance.

Signature 

John E Brown

NEPA Program Manager

Date 31 AUG 2011

Signature 

Christopher E. Hamilton, PhD

EPMB Chief

Date 31 Aug 11

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

RECORD NUMBER: 1122424

1. There is one Red-cockaded Woodpecker (RCW) cluster located at Malone 16 and in the area between Malone 16 and 17 at centerpoint GL 06382-90868. There is 1 RCW cluster located near Malone 18 at centerpoint GL 05800-92330. Two white bands mark cavity (nest) trees. The trees in the area of Malone 16 are roped off and there are signs placed on poles to designate the restricted area. In addition, the restricted area between the ranges is marked with signs that extend approximately 200 feet from the cavity trees. Troops should not enter the roped off areas. The following restrictions apply to the signed area (boundary):

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).

2. Report all wildfires to Range Control ASAP.

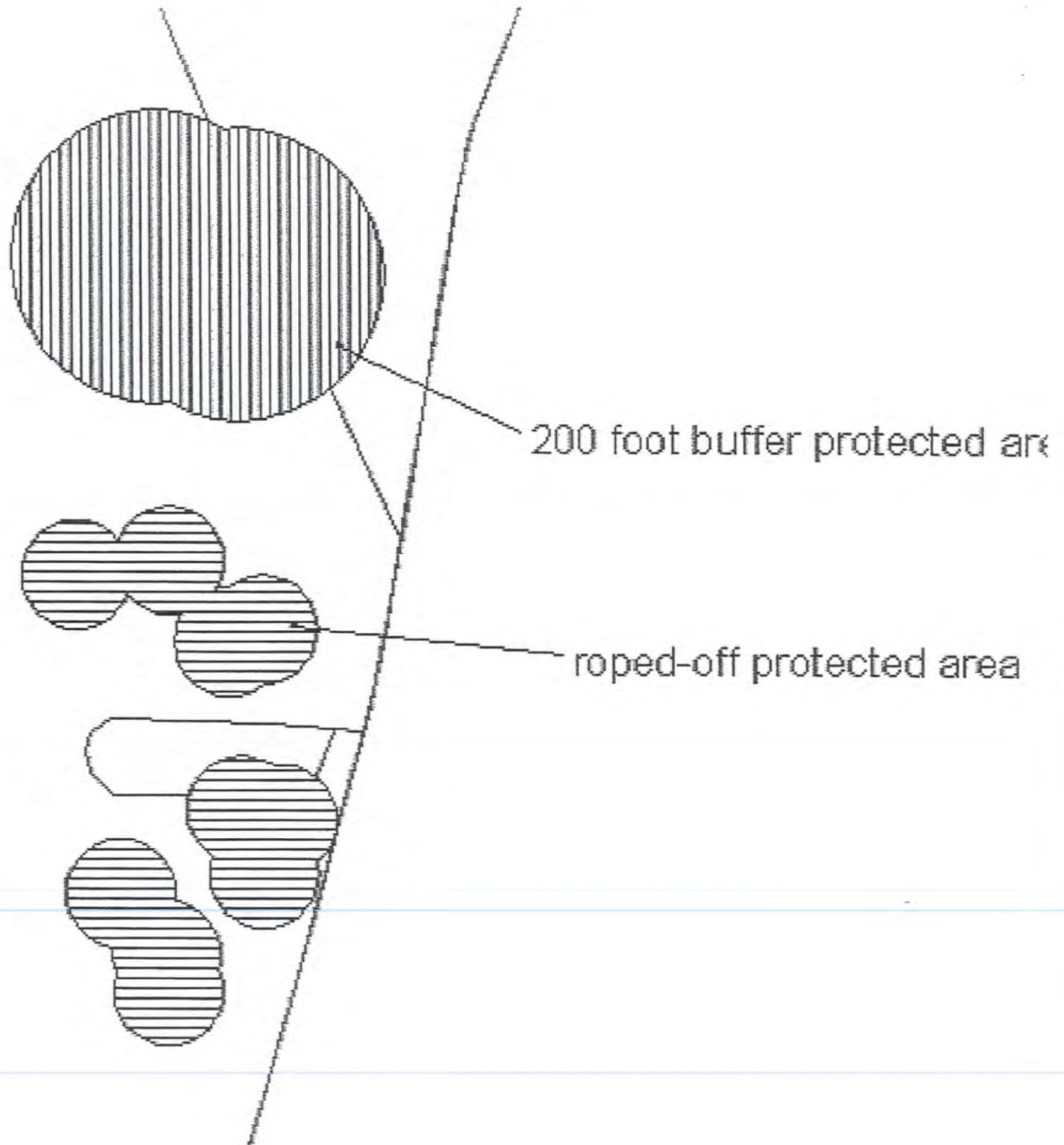
MICHAEL G. BARRON  
Wildlife Biologist, CB  
544-7080/7319

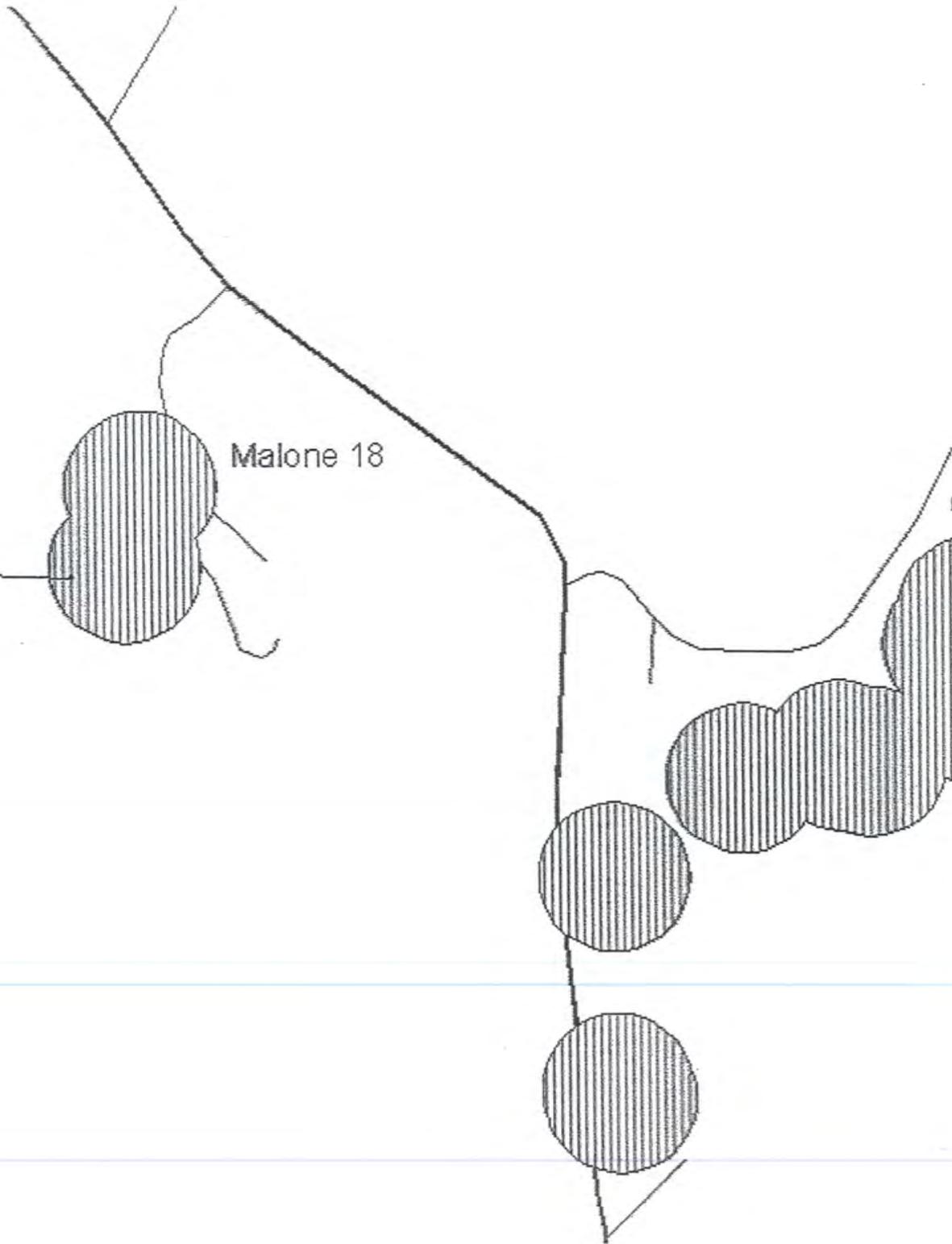
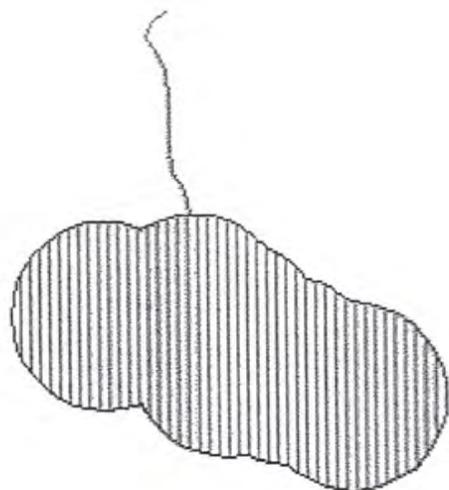
TRAINING ACTIVITY WITHIN 200' BUFFER ZONE	
Maneuver and Bivouac:	
Hasty defense, Light Infantry, Hand digging only, 2 hrs max	yes
Foot Transit	yes
Wheel/Track Vehicle Transit	yes (1)
Cutting Hardwood Camouflage	yes
Vehicle Maintenance, 2 hrs max	yes
Hasty defense, Mechanized Infantry/Armor	no
Deliberate 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

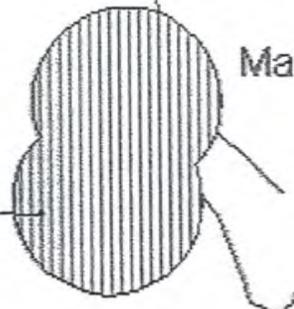
Malone 16





Malone 18

red-cockaded  
woodpecker



## 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:

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.

## 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**

APPENDIX H

# Spill Kits and Response Material Checklists

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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

## 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 filed 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):

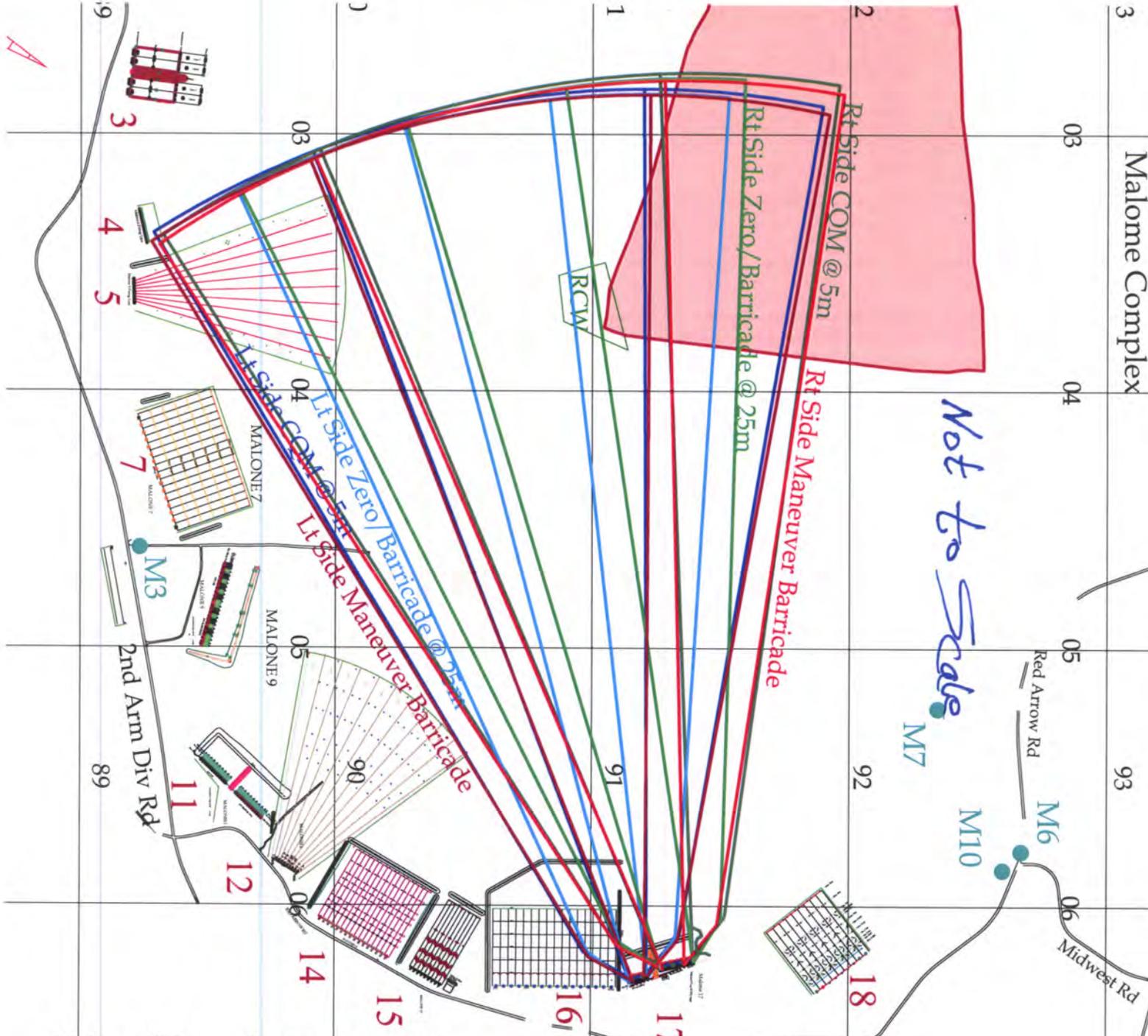
1 drip pan  
4-5 absorbent pads  
1-2 plastic bags.

#### Additional Materials or Equipment

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



**Malone 17 Range Division Standard**

\*Lt Side of Wall, FP's 1-25: 0629 9115 to 0628 9122

\*Rt Side of wall, FP's 26-70: 0625 9127 to 0622 9140

\*Maneuver Barricade

(Lt Side of Wall) FP's 5-8,18-21 LL= 4415, RL= 4805

(Rt Side of Wall) FP's 28-31,42-45, 56-59 LL= 4385, RL= 4775

\*25m Zero/Barricade

(Lt Side of Wall) FP's 1-25 LL= 4535, RL= 4685

(Rt Side of Wall) FP's 26-70 LL= 4500, RL= 4650

\*CQM 25-5m

(Lt Side of Wall) FP's 1-25 (25m) LL= 4535 (5m) LL= 4425; (25m) RL= 4685 (5M) RL= 4795

(Rt Side of Wall) FP's 26-70 (25m) LL= 4500 (5m) LL= 4395; (25m) RL= 4650 (5M) RL= 4760