



DEPARTMENT OF THE ARMY
2ND BATTALION, 11TH INFANTRY REGIMENT
6649 VIBBERT AVENUE
FORT BENNING, GEORGIA 31905-4407

ATSH-TPB-S3

19 March 2015

MEMORANDUM FOR CHIEF, RANGE OPERATIONS, DPTMS, FORT BENNING, GEORGIA 31905.

SUBJECT: IBOLC Squad Live Fire Exercise (Griswold Range)

*Approved 27 MAR 15
Packet # 3-1-15
Expires 26 MAR 17
Bry S. Lick
27 MAR 15*

1. PURPOSE: This memorandum provides the concept of training for 2-11 Infantry conducting a squad movement to contact live fire exercise at Griswold Range.

2. RANGE AND TERRAIN REQUIREMENTS: Griswold Range.

3. WEAPONS AND AMMUNITION TYPES:

- a. M4: 5.56mm ball, blank
- b. M249: 5.56mm blank link and live link
- c. M240: 7.62mm blank link and live link
- d. M203/320: 40mm TP-T
- e. AN/PEQ-15 Laser Aiming Device
- f. Signal, Illumination Parachute/ Star
- g. Smoke Grenade (HC, Violet, Green, Yellow, Red)
- h. Simulator, Flash, Artillery

4. SPECIAL PLATFORMS:

- a. UAV (ROZ: Grid 9730874532, 9773674509, 9737074039, 9774074079)
- b. UH-60

5. RANGE PROCEDURES:

a. The company executing the training is responsible for all setup, logistics, and range operations to include OIC, RSO, and contact with Range Division Alpha Base.

b. The company conducts a leader walk thru before execution of the live fire exercise to ensure all cadre are familiarized with the scenario, proper range operations, and safety procedures.

c. The squad live fire exercise will only be conducted during daylight hours. All squads will conduct day dry and blank rehearsals on the objective prior to the live fire execution. The RSO and OIC are responsible for ensuring all students and cadre understand the range limits, sectors of fire, and the direct fire control measures prior to execution.

d. Once the students are on the range the RSO gives a safety brief and covers the concept of operation for the range.

e. For the live fire iteration, cadre first conduct pre-fire checks to ensure that all blank firing adaptors are removed from the weapons and that all blank ammunition is collected from the students.

f. The platoon trainer moves with the assault element, and the senior NCO trainer moves with the SBF team.

g. The target operator will be with the OIC, and will walk behind the lead fire team during each iteration.

h. One medic will walk behind the trail team with the RSO and the other medic will stay with the field ambulance.

i. The company's command post will be located at grid 97725 74061. The command post contains the ammunition supply point (ASP), field ambulance, AAR tent, water trailer, and transportation assets. The porta-johns will be located at 9777 7411. All other administrative actions will be conducted south of the command post.

6. CONCEPT OF THE OPERATION: The squad is conducting a movement to contact with machine guns attached as part of a larger platoon operation. The squad will be the far right formation of a platoon moving with squads on line. First, the squad encounters an enemy observation outpost and the lead fire team quickly assaults through their position. After the lead fire team consolidates and reorganizes, the trail fire team will bound past and now become the lead team, continuing on the original direction of attack. Second, the lead team comes into contact with another enemy observation point and executes in the same manner as before. Lastly, the squad will continue on their direction of attack where they will encounter an enemy position forcing the squad leader to assess the situation and execute Battle Drill 1A. The squad leader will maneuver the machine gun, establish a base of fire with the lead fire team by conducting a flanking maneuver to the west with his trail fire team and assaulting the enemy position to the east. As the assault element maneuvers through the enemy position, they will engage enemy forces withdrawing from the objective. The assault element will reach their limit of advance in which the squad leader will call the trail team and machine gun forward in support of clearing the objective and preparation for a possible counter attack. The exercise concludes once the squad leader has finished consolidation and reorganization or when simulated casualties have been evacuated from the objective.

7. EXECUTION:

a. The squad files thru the ASP (97725 74061) to receive ammunition.

b. The squad then moves to the ORP (97479 74046). In the ORP, the squad loads their weapons and locks their bolts to the rear. An exception to this is open bolt weapons, in which the gunners will leave their bolts forward. Prior to departing from the ORP, the squad leader will launch a UAV to conduct his final reconnoiter of the area to confirm or deny enemy suspected/known positions. From the ORP the squad will travel on a 360 degree azimuth from the line of departure, in a squad column, with teams in wedge formation until they reach the first engagement.

c. Engagement 1 (Maneuver): At 97491 74204 to 97490 74234, the 1st lead fire team makes contact with an enemy observation post (TGT 1 at 97490 74220). The 1st lead fire team engages and assaults through the enemy OP. The fire team's sector of fire throughout this engagement is 350 degrees left to 025 degrees right. After the 1st fire team assaults past the OP, the team establishes a limit of advance, conducts consolidation and reorganization, and reports its status to the squad leader. The trail 2nd fire team will bound past, and now become the 2nd lead fire team with the squad traveling due north, using bounding overwatch (successive bounds).

d. Engagement 2 (Maneuver): At 97473 74297 to 97473 74325, the 2nd lead fire team will make contact with an enemy observation post (TGT 2 at 97473 74325). The 2nd lead fire team engages and assaults through the enemy OP. The 2nd fire team's sector of fire throughout this engagement is 350 degrees left to 025 degrees right. After the 2nd fire team assaults past the OP, the team establishes a limit of advance, conducts consolidation and reorganization, and reports its status to the squad leader. The 1st lead fire team will bound past with the squad traveling due north, using bounding overwatch.

e. Engagement 3 (SBF): At grid 97493 74382, the 1st lead fire team is engaged by the enemy's main element represented by a pneumatic gun. The SBF's sector of fire throughout this engagement is 355 degrees left to 025 degrees right. The SL moves forward to the 1st lead team to assess the situation. He will make the determination to employ the M240 MG where the 1st lead team leader will establish a SBF position (grid 97513 74334LS to 97525 74332RS) engaging targets (SBF TGT 1 97528 74432, SBF TGT 2 97534 74431, SBF TGT 3 97537 74432,) with all weapons systems. The squad leader will inform the 1st team leader that he will be flanking to the west (left), with the 2nd fire team and tells the 1st team leader the signal plan to cease fire from the SBF position. While this is occurring, the 2nd fire team seeks cover and concealment and maintains a position where it is not decisively engaged by enemy

fire, but can still make contact with the squad leader. After briefing the SBF 1st team leader, the squad leader returns to the 2nd fire team and quickly gives the 2nd fire team leader the necessary information so they can begin their flanking maneuver.

f. Engagement 4 (Assault): The squad leader leads the 2nd fire team, moving in a wedge formation, west, until they reach the assault position (97397 74424 START to 97425 74428 STOP). The 2nd fire team engages targets (Assault TGT 1, 97517 74443, Assault TGT 2, 97517 74449) with a right limit of 087 degrees and a left limit of 073 degrees. The 2nd fire team begins its assault of the objective. The squad leader's cease fire signal is confirmed by the SBF 1st fire team leader using FM communications. Cadre report and confirm the signal over the cadre's radios. The assault element remains in the assault position until it receives confirmation that the SBF has ceased fire, with their weapons on safe, and oriented in a safe direction.

g. Engagement 5 (Maneuver): As the 2nd fire team assault element reaches the main objective (97517 74446 to 97533 74448) the first set of targets will be dropped and a second set of targets (Assault TGT 3, 97552 74452, Assault TGT 4, 97558 74465) will rise. These targets simulate enemy retrograding off the objective. The 2nd fire assault team engages targets with a right limit of 087 degrees and a left limit of 073 degrees. The 2nd fire assault team continues its attack past the final targets and establishes a limit of advance. The SBF element is called forward in support of consolidation and reorganization procedures.

h. Engagement 6: As part of consolidation and reorganization, a simulated causality will be assessed in which the squad leader will need to execute his aid/litter and causality collection plan along with executing 9 line MEDEVAC procedures and evacuation, either by ground or air. The CASEVAC HLZ will be located at grid 9757 7418. Once the causality is evacuated, the cadre will call ENDEX and initiate clearing procedures. The squad moves off the range, and the next iteration begins once the cadre and students are accounted for at the ammunition point.

8. SAFETY

a. Signals:

(1) The primary means of signaling cease fire is FM communication. The alternate signal is a whistle. The contingency signal is colored smoke or star cluster. The emergency signal is voice and runner.

(2) The company cadre is with each team to confirm receipt of the signal by non-tactical radios.

(3) The cadre will ensure that the trail team does not begin their assault until they have received confirmation that the SBF element has shifted/lifted firing.

b. Medical:

(1) Primary means of coverage is an on-site FLA with two medics. A medic with aid bag will walk with each squad during the live fire. The FLA is staged in vicinity of the command post at FA 97725 74061.

(2) Cadre evacuates serious injury by air or ground by calling a 9-line MEDEVAC through the 911 Emergency Net. The primary LZ for air evacuation is grid 9774 7463 with a secondary of grid 9757 7418. The primary marking signal for air evacuation is red smoke.

NOTE: If there is an incident (medical, safety, or malfunction) while training the Range Safety Officer will immediately call a lift fire and then contact the 2-11 IN command, and Range Division Alpha Base.

c. Range Safety Officer briefs the following safety notes to every student:

(1) All students are safety officers. Anyone observing an unsafe act can immediately call for a cease-fire.

(2) All weapons are discharged downrange and within the designated limits.

(3) All weapons remain on safe unless actively engaging a target.

(4) All students must practice muzzle awareness and aim their weapon on a target they intend to shoot.

(5) If a squad does not safely complete a blank fire iteration they will be retrained on the task and execute another blank fire in order to shoot the live fire.

(6) Weapons are on safe during all movements. Weapons are only placed on fire when engaging a target within the range fan.

(7) Students lock and load in the ORP, located at FA 97431 74125.

(8) Students will only engage while there is a target presented to them.

(9) Students will avoid all identified dud areas and report any UXO to the cadre.

(10) In the event of MEDEVAC, students will approach all aircraft from the left or right sides and take all directions from the pilots.

(11) In the event of MEDEVAC, students will avoid the front and rear of all aircraft and be an appropriate distance from the HLZ during takeoff and landing.

d. Ammunition:

(1) Blank and live ammunition will be at two separate ammo points. Each ammo point will be secured with concertina wire and a guard, IAW 2-11 IN SOP.

(2) The ammo point will only issue the students enough ammunition for one iteration of blank/live fire.

(3) Each student returns all unused ammunition to the ammo point at the completion of their iteration on the range.

(4) Blank firing adapters will be used during all blank fire iterations. The cadre will confirm that blank firing adapters are on all weapons before each blank iteration and that they are removed before the live fire iteration.

(5) No student will bring any of their magazines to the live fire ammo point. The student will draw pre loaded magazines which will be color coded and numbered to ensure accountability in and out of the ammo point.

(6) The cadre will conduct an ammunition and brass inspection before and after all live fire iterations to ensure that no student has unauthorized ammo in their possession. All weapons are cleared and visually inspected prior to coming off of the range.

e. Range Limits:

(1) Company cadre ensures that all weapon systems fire within range limits/roadblocks as specified in the Weapons and Ammo list enclosure.

(2) All company cadre conduct a terrain walk with the company commander prior to execution the range to verify that target array supports range fans and surface danger zones IAW FB Range Division Alpha Base.

(3) The scenario will be the same for blank and live fire iterations.

f. Laser Safety:

(1) LASER hazards will be addressed in the overall training safety briefing.

(2) Soldiers will be instructed to only use LASERs on targets.

(3) Range RSO is responsible for enforcing LASER controls.

g. Additional Safety Considerations:

(1) All students are qualified on their assigned weapon prior to execution.

(2) Primary instructors conduct target operator rehearsal prior to execution of blank fire.

(3) Platoon cadre ensures that all leadership positions remain the same during blank/live fire exercises.

(4) There will be a minimum of one cadre member per fire team, during every iteration.

(5) Platoon Trainers ensure that each squad has resources to execute redundant signaling plan for shift and/or lift fire. Shift and lift fire commands are verified by cadre with cadre radio.

(6) Cadre ensures all weapons cease fire when the assaulting element is 040 degrees of SBF gun target line.

(7) The RSO ensures that the medic is rehearsed on the routes from the FLA staging location to the range and from the range to Martin Army Hospital.

(8) Students will receive safety brief from the RSO prior to approaching any aircraft.

(9) OIC will confirm operational UAV Restricted Operating Zone (ROZ) prior to execution IAW Post policy.

9. POC for the above memorandum is SSG Thomas F. Lerchenfelt Jr. at 325-864-4533.

5 Encls

- 1 – Range Concept
- 2 – Weapons and Ammo List
- 3 – 144R
- 4 – Range Limits
- 5 – Risk Management Worksheet



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S-3 OIC, 2-11 INF

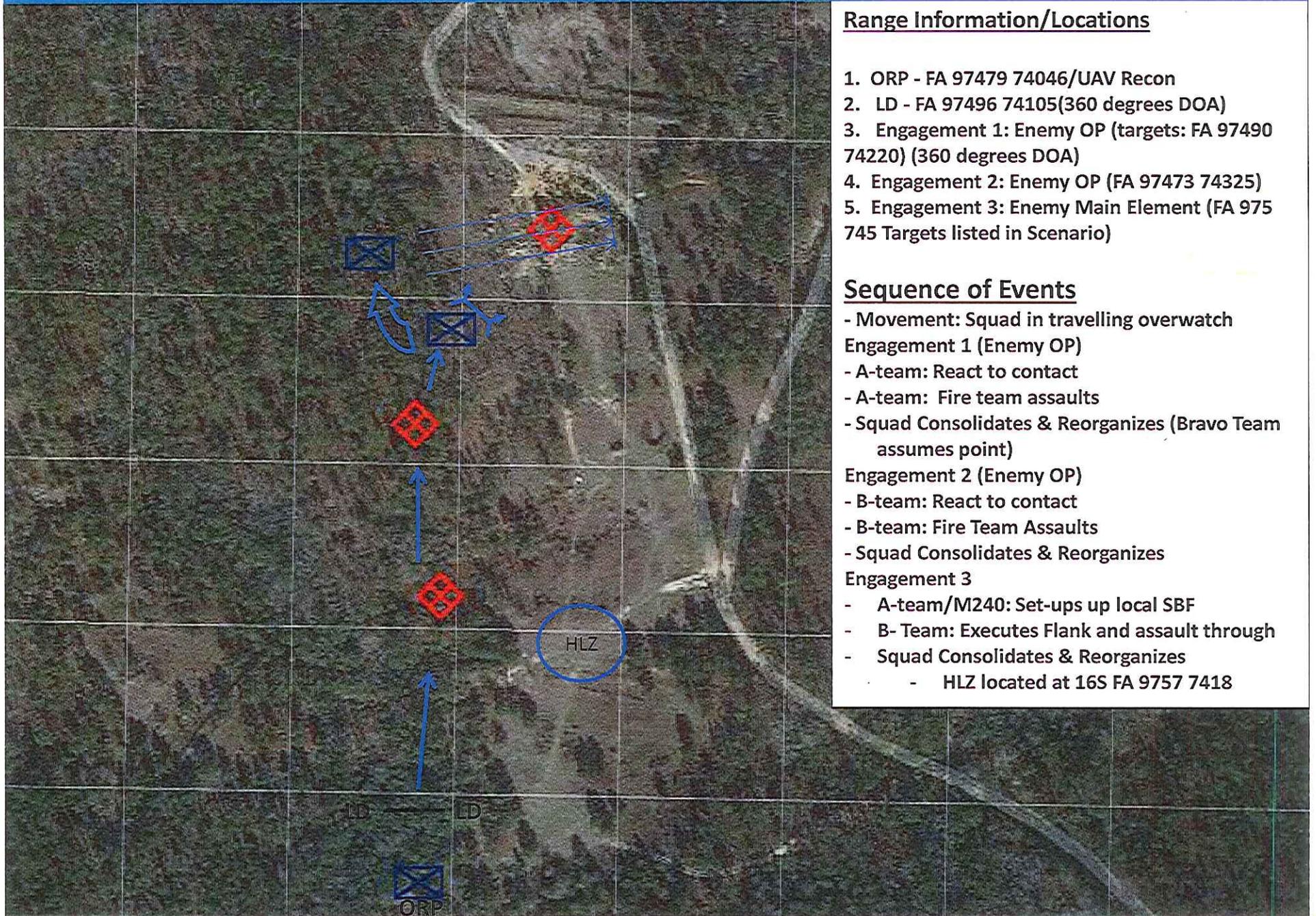
Griswold Range 2-11th Team/Squad LFX (Log #3-1-15) Weapons/Ammo List Enclosure

Firing Positions	Weapons	Ammunition	Left Limit Deg's, Grid Az	Right Limit Deg's, Grid Az
Engagement 1 (Maneuver): 97491 74204 to 97490 74234	M4/M16/M249/MK46, M203/M320	5.56mm Blank/Ball/Tracer, 40mm TP	350	025
Engagement 2 (Maneuver): 97473 74297 to 97473 74325	M4/M16/M249/MK46, M203/M320	5.56mm Blank/Ball/Tracer, 40mm TP	350	025
Engagement 3 (SBF) 97513 74334LS to 97525 74332RS	M4/M16/M249/MK46, M203/M320/M240/MK48	5.56mm Blank/Ball/Tracer, 40mm TP, 7.62mm Blank/Ball/Tracer	355	025
Engagement 4 (Assault) 97397 74424 Start to 97425 7428 Stop	M4/M16/M249, M203/M320	5.56mm Blank/Ball/Tracer, 40mm TP	073	087
Engagement 5 (Maneuver) 97517 74446 Start to 97533 74448 Stop	M4/M16/M249, M203/M320	5.56mm Blank/Ball/Tracer, 40mm TP	073	087

The Following Pyrotechnics Will be Used on The Engagements Above

Signal, Illum Para Star, M195, L305, M126/A1, L311, M127/A1, L312. Simulator, L601, L602. Smoke Grenade, M18, G930, G940, G945, G950, G956. Various LASERS, AN/PEQ-15, etc... will be used. LASER Warning Signs Will be in Place Prior to Use.

Concept for Squad Live Fire Exercise on Griswold Range



Range Information/Locations

1. ORP - FA 97479 74046/UAV Recon
2. LD - FA 97496 74105(360 degrees DOA)
3. Engagement 1: Enemy OP (targets: FA 97490 74220) (360 degrees DOA)
4. Engagement 2: Enemy OP (FA 97473 74325)
5. Engagement 3: Enemy Main Element (FA 975 745 Targets listed in Scenario)

Sequence of Events

- Movement: Squad in travelling overwatch
- Engagement 1 (Enemy OP)
 - A-team: React to contact
 - A-team: Fire team assaults
 - Squad Consolidates & Reorganizes (Bravo Team assumes point)
- Engagement 2 (Enemy OP)
 - B-team: React to contact
 - B-team: Fire Team Assaults
 - Squad Consolidates & Reorganizes
- Engagement 3
 - A-team/M240: Set-ups up local SBF
 - B- Team: Executes Flank and assault through
 - Squad Consolidates & Reorganizes
 - HLZ located at 16S FA 9757 7418

Learning Objectives:

A. Terminal learning Objective: Conduct a Squad React to Contact Live Fire Exercise (07-3-09501).

B. Enabling Learning Objectives:

- 17-5-5276 Prepare for Combat
- 17-3-3062 Conduct Support by Fire
- 07-2-5027 Conduct Consolidation and Reorganization
- 071-010-0006 Engage Targets with an M249 Machine Gun
- 071-100-0003 Engage Targets with an M4 or M4A1 Carbine
- 071-326-0502 Move Under Direct Fire
- 071-326-0513 Select Temporary Fighting Positions
- 071-326-0608 Use Visual Signaling Techniques
- 113-571-1022 Perform Voice Communications
- 071-025-0007 Engage Targets with an M240B Machine Gun
- 081-831-1001 Conduct Tactical Combat Casualty Care

C. Task/Conditions/Standards:

- Task: Execute Squad React to Contact Live Fire Exercise (07-3-D9501).
- Conditions: The squad w/MG attachment is moving and conducting operations when visual contact is made with the enemy, or the enemy initiates contact with a direct fire weapon. The squad is organized in accordance with FM 3-21.8, in a field environment during daylight hours.
- Standards: The squad immediately returns "well-aimed" fire and seeks cover. The squad leader reports the contact to higher headquarters. The squad destroys the enemy with an immediate assault through the enemy position in accordance with standards found in UTL 07-417-8 (Unit Task List for Infantry Rifle Platoon and Squad), and BDL 07-08 (Infantry Battle and Crew Drills).

D. Intent:

- Understand the execution of Squad Battle Drills and their importance within the platoon's mission.
- Understand how to execute movement as a squad within LFX conditions.
- Understand the application of Fire Distribution and Control at the squad level.
- Utilize the Troop Leading Procedures at the squad level and understand its importance to the overall platoon mission

Griswold Range 2-11 IN Squad MTC Live Fire (Log #3-1-15) Roadblock List, March 26, 2015

BLOCK	GRID	LOCATION	TYPE
A-1	FA 911 792	Across firebreak 275m down Fiske Range at right end of old KD berm. Permanently closed.	Cable
A-2	FA 910 783	Off Sightseeing Road on unnamed trail opposite of entrance to LRC.	Gate
A-4	FA 925 766	Off Sunshine Road 1,200m W of entrance to Grandstaff Range.	Gate
A-5	FA 936 762	Across entrance road to Grandstaff Range, 10m N of Sunshine Road.	Gate
A-6	FA 939 763	Off Sunshine Road 150m W of Oswichee Creek. Permanently closed.	Cable/Berm
A-8	FA 968 740	Across unnamed trail 30m N of Sunshine Road and 800m N-W of entrance to Griswold Range.	Gate
A-10	GA 018 730	Across entrance road to Flint Range. 50m N of Sunshine Road.	Gate
A-11	GA 019 731	Across Lumpkin Trail 30m N of its intersection with Sunshine Road.	Gate
A-11A	GA 032 729	Rd guard pos # 2 for Garnsey Rng Obj 'E' (intersection Jamestown/Sunshine Rd's).	Rd Grd #2
A-12	GA 033 742	Across Garnsey Road 50m W of its intersection with Jamestown Road.	Gate
A-12A	GA 029 744	Across Garnsey Road 400m W of A-12 Roadblock.	Gate
A-12B	GA 028 741	Across trail 150m S-W of A-12A Roadblock. 50m S-W of Garnsey Range Bldg.	Gate
A-12C	GA 036 746	Road guard position # 3 for Garnsey Rng Objective 'E' (Jamestown at Lightning Rd).	Rd Grd #3
A-13	FA 936 762	Across Sunshine Road 10m E of the entrance to Grandstaff Range (Road guard location).	Gate
A-14	FA 974 733	Across Sunshine Road 10m W of the entrance to Griswold Range. (Road guard location).	Gate
A-15	GA 021 799	Across entrance road to Buchanan Range.	Gate
A-15A	GA 021 798	Across Good Luck Rd. 20m W of Jamestown	Gate
A-15B	GA 022 796	Road guard position # 1 (for Garnsey Rng Objective 'E') on Jamestown Road 150m S of Goodluck Road.	Rd Grd #1
A-18	FA 993 828	Across Buckeye Rd 225m S of its intersection with 1st Div Rd. and 50m E of entrance to Duke Range.	Gate
A-19	FA 973 825	Across entrance road to Patton Range 400m S of its intersection with 1st Div Rd.	Gate
A-20	FA 974 827	Across entrance to Dianda Range, 140m N of A-19 gate (entrance to Patton Range).	Gate
A-22	GA 015 817	Across unnamed trail 175m N of Krilling Range and 10m W of Jamestown Road.	Gate
A23	FA 983 756	Across Lumpkin Trail 200m E of Griswold Range.	Gate
A-23A	GA 005 748	Across Lumpkin trail 50m N-W of Objective 'E' on Garnsey Range.	Gate
A-23B	GA 005 747	Across un-named trail 50m S of A-23A gate on W side of Lumpkin trail.	Gate
A-24	GA 015 811	Across Un-named trail, 10m inside S entrance gate to Krilling Range.	Gate
A-25	GA 016 789	Across fire break 10m W of its intersection with Goodluck Road.	Gate
A-26	GA 013 798	Across firebreak on Left side of Buchanan Range 50 meters S of chow area.	Cable
A-27	GA 018 805	Across unnamed trl 175m N of intersection of Hourglass and Jamestown Roads.	Gate

BLOCK	GRID	LOCATION	TYPE
A-28	GA 012 774	20 meters W of Yankee road on south side of Galloway Range.	Gate
A-28A	GA 011 776	30 meters S of Galloway Range Tower.	Gate
A-30	GA 026 758	Across fire break leading to Garnsey Range. 120m S-W of Brann Flat Range.	Gate
A-30A	GA 027 758	Across trail leading to Garnsey Range 50m E of A-30 Roadblock.	Gate
A-31	GA 020 745	Across fire break leading to Brann.	Cable
A-32	FA 989 724	Across entrance road to Kunzig Range.	Gate
A-33	FA 974 734	Across entrance road to Griswold Range.	Gate
A-33A	FA 979 739	150m N-W of Target Systems bldg on trail leading to MTC on Griswold Range.	Gate
A-33B	FA 982 739	20m N-E of Target Sys bldg on trail running on west side of bldg on Griswold Range.	Gate
A-34	FA 947 760	Across entrance to Minter Hill 700m E of Oswichee Creek.	Gate
A-38	FA 952 816	Across fire break 200m down range of firing line on Red Cloud Range on Left side of range.	Cable
A-39	FA 956 822	Across unnamed trail 200m S of bldgs on Left side of Buckner Range.	Cable
A-40	FA 967 823	Across fire break 100m down range on the left side of Pierce Range.	Gate
A-40A	FA 965 824	Across fire break on the right side of Pierce Range 10m E of the entrance road.	Gate
A-41	FA 972 820	Across fire break located on the rightside of the firing line on Patton Range.	Cable
A-42	FA 978 820	Across fire break located on the left side of the firing line on Patton Range.	Cable
A-43	FA 983 823	Across fire break located on the right side of Booker Range Firing Line	Cable
A-44	FA 986 823	Across fire break 100m E. of the 25m flat range on Booker Range	Gate
A-45	FA 990 827	Across fire break located 40m W of the right side of Duke Range Firing Line	Gate
A-45A	FA 991 829	Across Booker Breach site entrance road 200m W of Duke Rng entrance gate.	Gate
A-46	FA 984 832	Across unnamed trail 110m W of the intersection of 1st Div Rd and Ivy Rd.	Gate
A-47	FA 990 833	Across unnamed trail 500m W of the intersection with 1st Div & Buckeye Rd's.	Gate
A-48	FA 995 827	Across fire break located on the right side of the firing line on Porter Range.	Cable
A-49	FA 998 827	Across fire break located on the left side of the firing line on Porter Range.	Cable
A-50	GA 000 830	Across unnamed trail 200m W. of entrance to Maertens Range.	Gate
A-51	GA 031 791	Barrier on Furman Rd.	Barrier 1
A-52	GA 034 776	Barrier on Yankee Rd.	Barrier 2
A-53	GA 035 776	Gate to Cole Range.	Barrier 3
A-54	GA 046 749	Barrier off Lightning Rd on unnamed trail.	Barrier 5
A-55	GA 057 759	Barrier off Lightning Rd on unnamed trail.	Barrier 4



RECORD OF ENVIRONMENTAL CONSIDERATION REC



Date Submitted: 03/04/2015

EMD Number: 1506402

Project#: 071T6705

Project Title: IBOLC Squad Live Fire Exercise (Griswold Range)

Description of proposed action:

2-11 Infantry will be conducting a squad movement to contact live fire exercise at Griswold Range. The squads will be using machine guns attached as part of a larger platoon operation. The squad live fire exercise will only be conducted during daylight hours. All squads will conduct day dry and blank rehearsals on the objective prior to the live fire execution. Units will conduct training 8-10 times per year with approximately 160-200 students per iteration.

Project Location:

Amount, Description, Location of Disturbance/Digging:

Griswold Range

None

Number of Personnel:

160-200

Type Of Ammunition:

Yes - Type of Ammunition: 5.56 blank/ball,
7.62 blank/ball

Number/Types of Trees:

None

Size of Project Area:

15 Acres

Duration of Action:

Start:3/23/2015 Stop:9/30/2015

Unit:

IBOLC / 2-11 IN

Proponent: michael.a.lovely.civ@mail.mil 706-545-5916

Number/Types of Vehicles:

6-8 vehicles will be taken off road. Types of vehicles: GSA, HMMWV,LMTV, M149A2

Types of Aviation

UH-60 will be flown. No firing.

Other Concerns

None

Decision: Concur with conditions

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

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

Forestry Management

None

Brian Waldrep (706-544-7076), 3/6/2015

No Comment.

Watershed Management

None

Hugh Westbury (706-545-4208), 3/5/2015

No Comment.

Hazardous Materials/Waste

Conditions:

Carlos Ariasochoa (706-545-1857), 3/6/2015

Considerations for Training Exercises:

Defective, misfired, or otherwise unserviceable munitions must be managed IAW/MCOE Reg.350-19-5-10, Para 9-2 (Proper management of Misfired munitions). All excess, munitions must be returned to the Ammunition Supply Point after the field exercise is completed. Rubbish, empty containers and other waste (including used smoke/C2 canisters) should be removed from the training area. 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, 23 Jul 2010.

FORT BENNING ENVIRONMENTAL REGULATIONS SUMMARY

SENSITIVE AREAS: Endangered species habitat or cultural resources. They are marked with steel pickets and white signs. Digging and vehicular traffic is prohibited.

POL/HAZMAT SPILLS: Report all spills through Range Control at 545-3474. If assistance is required from the Fire Department/HAZMAT Team, Range Control will make notifications through E-911. For POL spills greater than 20 gallons on land or any quantity on surface water, the Environmental Management Division (EMD) must be immediately notified through E-911 or 545-9879/4203. For POL spills less than 20 gallons on land, a Spill Report Form must be submitted within 24 hours to the EMD (Call 545-9879 and/or FAX 545-4209). After hours call the spill pager at 317-6584.

Unit should begin spill control measurements (REACT) within their capabilities. If a spill occurs within a sensitive area; stop the source, contain, and absorb the spill material - do not dig until EMD personnel arrive at the site.

- Be prepared to report:
- Time, grid location, and cause of spill.
 - Type of product and amount spilled.
 - Distance from flowing water.
 - Action taken to combat spill.

See USAIC 210-4, Range and Terrain Regulations, for more detail.

ENVIRONMENTAL INCIDENT REPORT FORM

Unit: _____

OIC/NCOIC: _____

Training Area: _____

Grid Coordinates: _____

Date and Name: _____

Signature: _____

FB (DPW) Form 31, 1 May 2004 PREVIOUS EDITION OBSOLETE

FORT BENNING ENVIRONMENTAL REGULATIONS SUMMARY

RED-COCKADED WOODPECKER (RCW): Cavity trees are identified by two white bands. Cluster boundaries extend 200 feet around each cavity tree, and are delineated by diamond-shaped signs. **WITHIN a cluster:**

- Personnel MAY NOT stay for more than 2 hours; NO BIVOUACS.
- The only digging allowed is BY HAND for hasty defense light infantry fighting positions. ALL other digging is prohibited.
- Within one half mile of a cluster, NO MECHANICAL DIGGING may be done within 20 feet of any mature pine tree (8 inch diameter or greater).
- Off-road vehicles MAY NOT come within 50' of any cavity tree.
- Use only .50cal and 7.62mm (or smaller) blank ammo; NO LIVE FIRE.
- CS gas, HC smoke, and noise generators MAY NOT be used.
- Incendiary devices (including trip flares) MAY NOT be used.
- Only hardwood may be cut for camouflage; CUT NO PINE.

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

----- CUT HERE -----

ENVIRONMENTAL INCIDENT REPORT FORM

For your protection, company commanders are asked to document any environmental incidents by completing this card and forwarding it to the Chief, Environmental Management Division, Building 6, Room 307, or call 545-2180, within 24 hours of incident. Check off incident and take corrective actions.

- _____ bivouacking in RCW cluster (Relocate bivouac site.)
- _____ off-road driving / parking within 50' of RCW cavity tree (Relocate.)
- _____ digging in RCW cluster [except individual hasty fighting positions] (Refill holes.)
- _____ scarring or felling of trees in RCW cluster (Contact EMD Conservation Branch through Range Control.)
- _____ digging or driving in Sensitive Area (Relocate, DO NOT refill holes.)
- _____ wildfire started (Begin suppression and contact Range Control.)
- _____ POL spill greater than 20 gallons on land or any quantity on water (Immediately contact Range Control and begin spill control - REACT.)
- _____ POL spill less than 20 gallons on land (Begin spill control - REACT; contact Range Control and submit a Spill Report Form to EMD within 24 hours.)

Example Unit/Activity SOP for Training and Deployment

Introduction

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

What Are Hazardous Materials and Hazardous Wastes

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

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

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

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

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

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

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

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

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

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

Planning

MINOR SPILLS

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

INTERMEDIATE & MAJOR SPILLS

In addition to the procedures above:

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

Prevention

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

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

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

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

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

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

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

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

You should continually keep your hazardous material/hazardous waste areas clean and orderly by applying the principals of Monitoring and Housekeeping. An easy way to remember what to check, is

to remember your **CHECK** list:

Containment:

___ Ensure that secondary containment is used and in good condition.

___ Empty water within secondary containment on a regular basis and dispose of it as hazardous waste at the Hazardous Waste Collection Point.

Hazardous Material/Hazardous Waste locations:

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

___ Put up warning signs and keep them clean and orderly.

Environmental Documentation:

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

Containers:

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

Kits:

___ Place Spill Kits, First Aid Kits, and Emergency Response Kits in the vicinity of the hazardous material/hazardous waste areas.

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

Response

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

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

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

In any spill situation:

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

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

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

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

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

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

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

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

In addition:

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

Acronyms are defined in the ASP Table of Content

APPENDIX H

Spill Kits and Response Material Checklists

Summary Spill Kit and Response Material Checklist

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

Recommended Spill Kits for Fuel Carrying Vehicles

Recommended Spill Kits for Other Military Vehicles

Vehicles Transporting Hazardous Materials other than POL

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

Acronyms are defined in the ASP Table of Contents

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

30-Gallon POL Boom Kit: Absorbs Approx. 40 Gallons

Polyurethane 2 Rolls

55-Gallon POL Kit: Absorbs Approx. 40 Gallons

1 55 Gallon Drum

2 Bags Absorbent

6 Booms 2x10

50 Absorbent Pads

10 Heavy Duty Trash Bags

Recommended Spill Kits for Fuel Carrying Vehicles

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

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

Drip Pan

30-Gallon POL Kit: Absorbs Approx. 20 Gallons

1 30 Gallon Drum

1 16 pound bag Absorbent

3 Booms 2x10

25 Absorbent Pads ~17x19

5 Heavy Duty Trash Bags

1 Dust Pan

Recommended Spill Kits for Other Military Vehicles

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

1 drip pan

4-5 absorbent pads

1-2 plastic bags.

Additional Materials or Equipment

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

PPE such as: Goggles and Gloves. (2-3 pairs)

1 Shovel

2 Labels for wastes

1 Spill report

1 Inventory

Vehicles Transporting Hazardous Materials other than POL

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

- ✓ Hazardous Materials other than POL will require spill kits to meet their specific requirements. The Unit/ Activity should check the MSDS for the materials that they transport and have appropriate amount for those particular materials.

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 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: _____

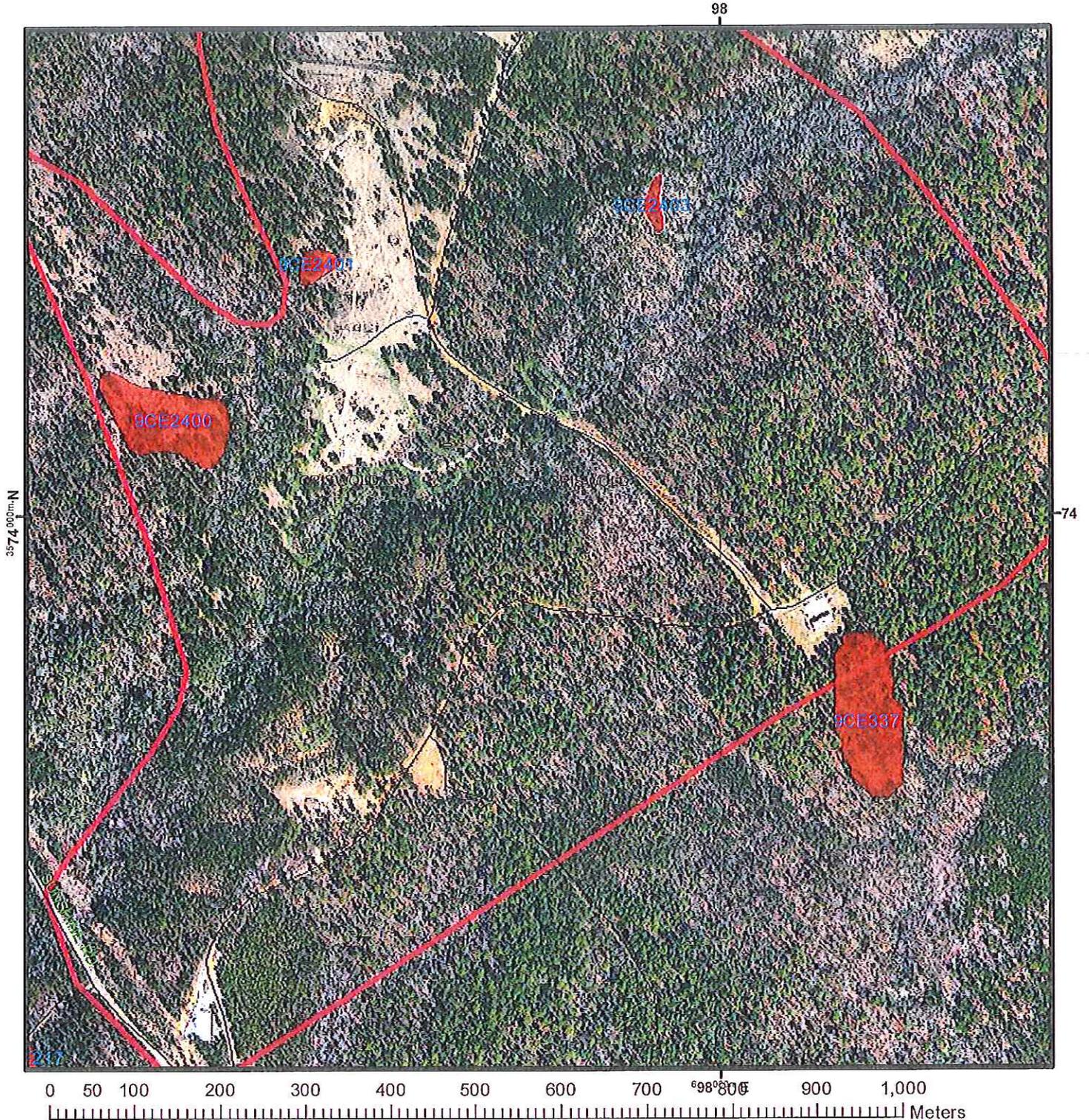
****Provide a copy of this form to DPW EMD Spill Program Manager or FAX to (706) 545-4209**

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**

Griswold Range

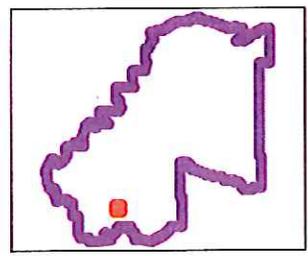


Historic_buildings Sites by NRHP Eligibility

- Historic
- Not Evaluated
- Not Eligible
- Not Historic
- Demolished
- Prgm Cmt
- Prgm Cmt/FRL
- ☒ Cemetery_2013

- nreg_stt_d**
- ☐ NATLANDMARK; ELIGIBLE
 - ☐ TBD; UNKNOWN

No Vehicles
 or
 ground
 disturbance



DPW-EPMB
 Cultural Resources

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

RECORD NUMBER: 1506402

1. Backfill all fighting positions before leaving the training area.
2. 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 demolition, cutting, etc; off-road vehicles should not damage any such trees. Unit must not cut any pine trees for any use such as firewood, barricades, support structures, camouflage, etc. Failure to adhere to these conditions may result in disapproval of future 144Rs.
3. There are several Red-cockaded woodpecker clusters located in the area. Note locations on attached map. An exception is granted to conduct live fire on Griswold Range but restrictions apply to the clusters and area adjacent to the Range (see attached). Units must not fire in the direction of the banded trees on the either side of the range. All fire should be to the north and must be concentrated at established targets. 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. No new positions may be created, moved or expanded without concurrence with Conservation Branch. The Griswold LFX located to the west of Griswold Range in A25 is currently closed and may not be used for live fire exercises.
 - 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 any 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 (10 inches diameter at breast height or greater).
4. Report all wildfires to Range Control ASAP.

MICHAEL G. BARRON
Wildlife Biologist, CB
544-7080

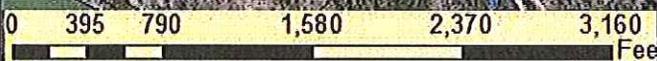
TRAINING ACTIVITY WITHIN 200' BUFFER ZONE	
Maneuver and Bivouac:	
Hasty defense, Light Infantry, Hand digging only, 2 hrs max	yes
Foot Transit	yes
Wheeled Vehicle Transit	yes (1)
Cutting Hardwood Camouflage	yes
Vehicle Maintenance, 2 hrs max	yes
Hasty defense, Mechanized Infantry/Armor	no
Deliberate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

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

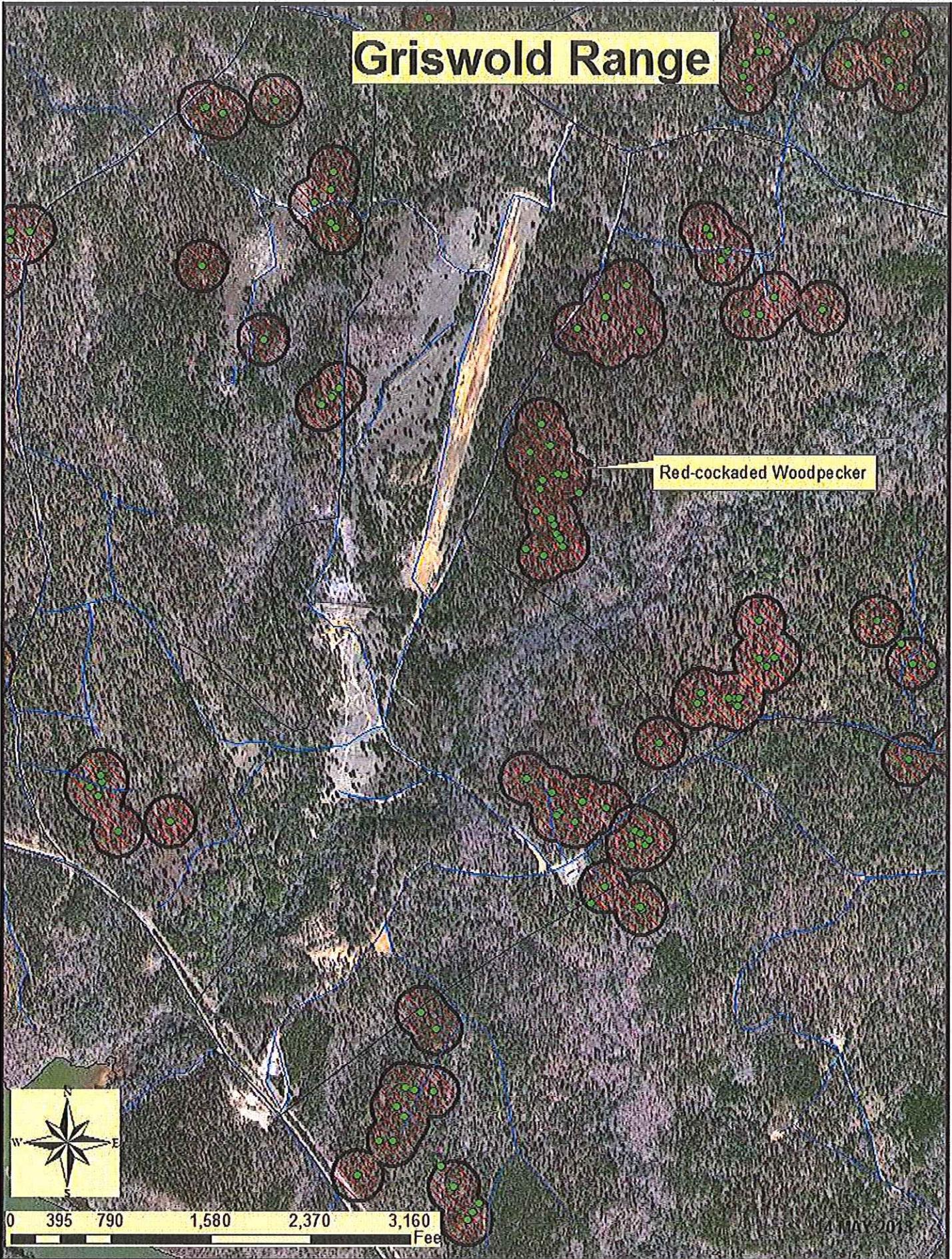
- (1) Vehicles (wheeled) will not get closer than 50 feet of a marked cavity tree unless on an existing road or trail; tracked vehicles may use named roads and trails that pass within 50 feet of a banded cavity tree but should reduce speed
- (2) Smoke generators and smoke pots will not be set up within 200 feet of a marked cavity tree, but the smoke may drift inside the 200 foot buffer

Griswold Range

Red-cockaded Woodpecker



14 MAY 2013



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

RECORD NUMBER: 1506402

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3. There are several Red-cockaded woodpecker clusters located in the area. Note locations on attached map. An exception is granted to conduct live fire on Griswold Range but restrictions apply to the clusters and area adjacent to the Range (see attached). Units must not fire in the direction of the banded trees on the either side of the range. All fire should be to the north and must be concentrated at established targets. 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. No new positions may be created, moved or expanded without concurrence with Conservation Branch. The Griswold LFX located to the west of Griswold Range in A25 is currently closed and may not be used for live fire exercises.
 - 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 any pines).
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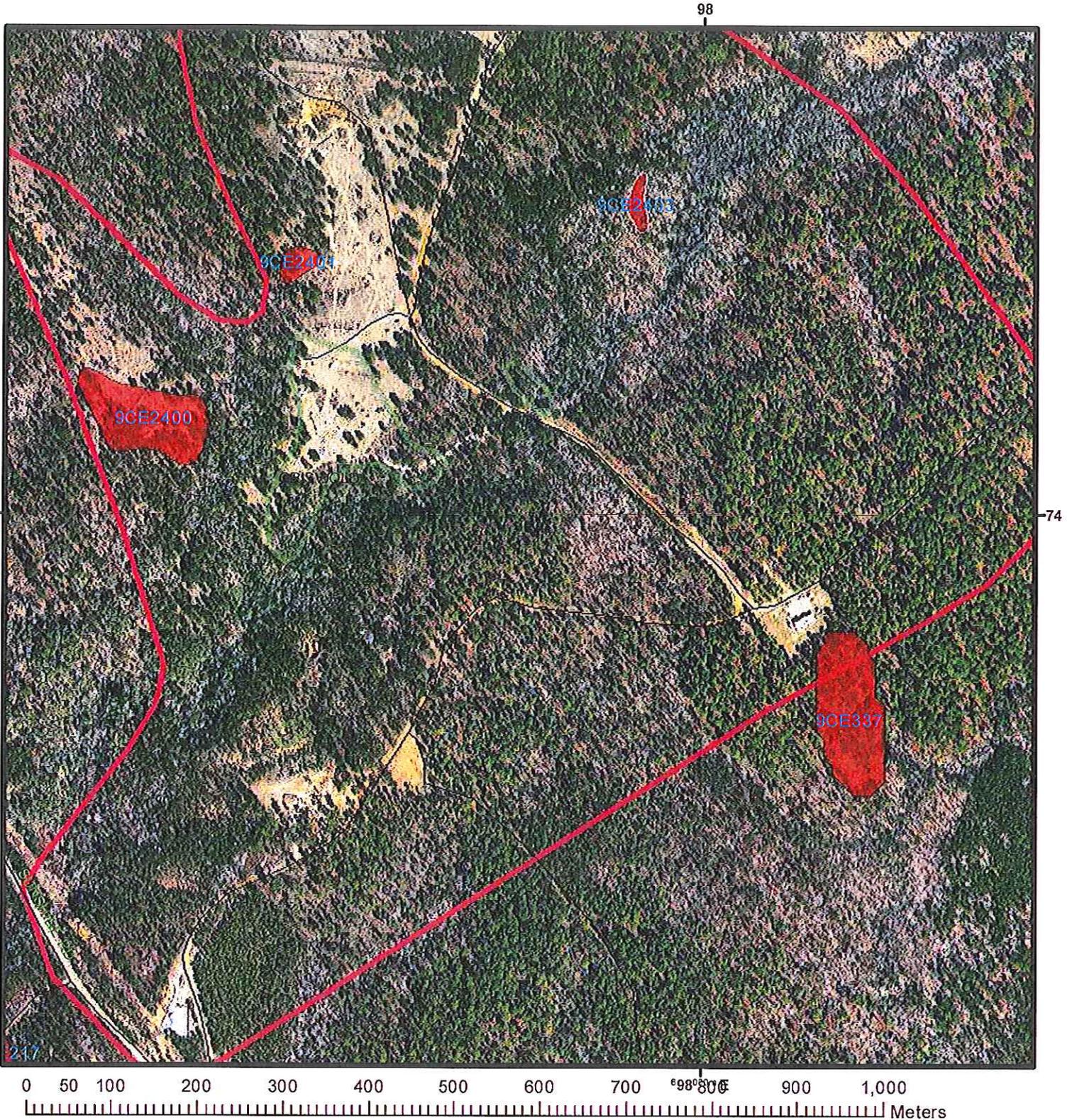
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TRAINING ACTIVITY WITHIN 200' BUFFER ZONE	
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Foot Transit	yes
Wheeled Vehicle Transit	yes (1)
Cutting Hardwood Camouflage	yes
Vehicle Maintenance, 2 hrs max	yes
Hasty defense, Mechanized Infantry/Armor	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
Cutting Pine Trees (anywhere on post)	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 Positions	no

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

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Griswold Range



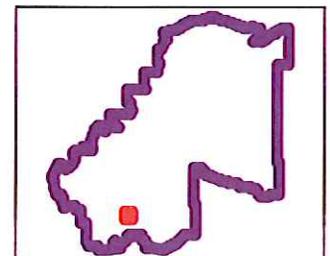
Historic_buildings Sites by NRHP Eligibility

- Historic
- Not Evaluated
- Not Eligible
- Not Historic
- Demolished
- Prgm Cmt
- Prgm Cmt/FRL

nreg_stt_d

- NATLANDMARK; ELIGIBLE
- TBD; UNKNOWN

No Vehicles
 or
 ground
 disturbance



DPW-EPMB
 Cultural Resources

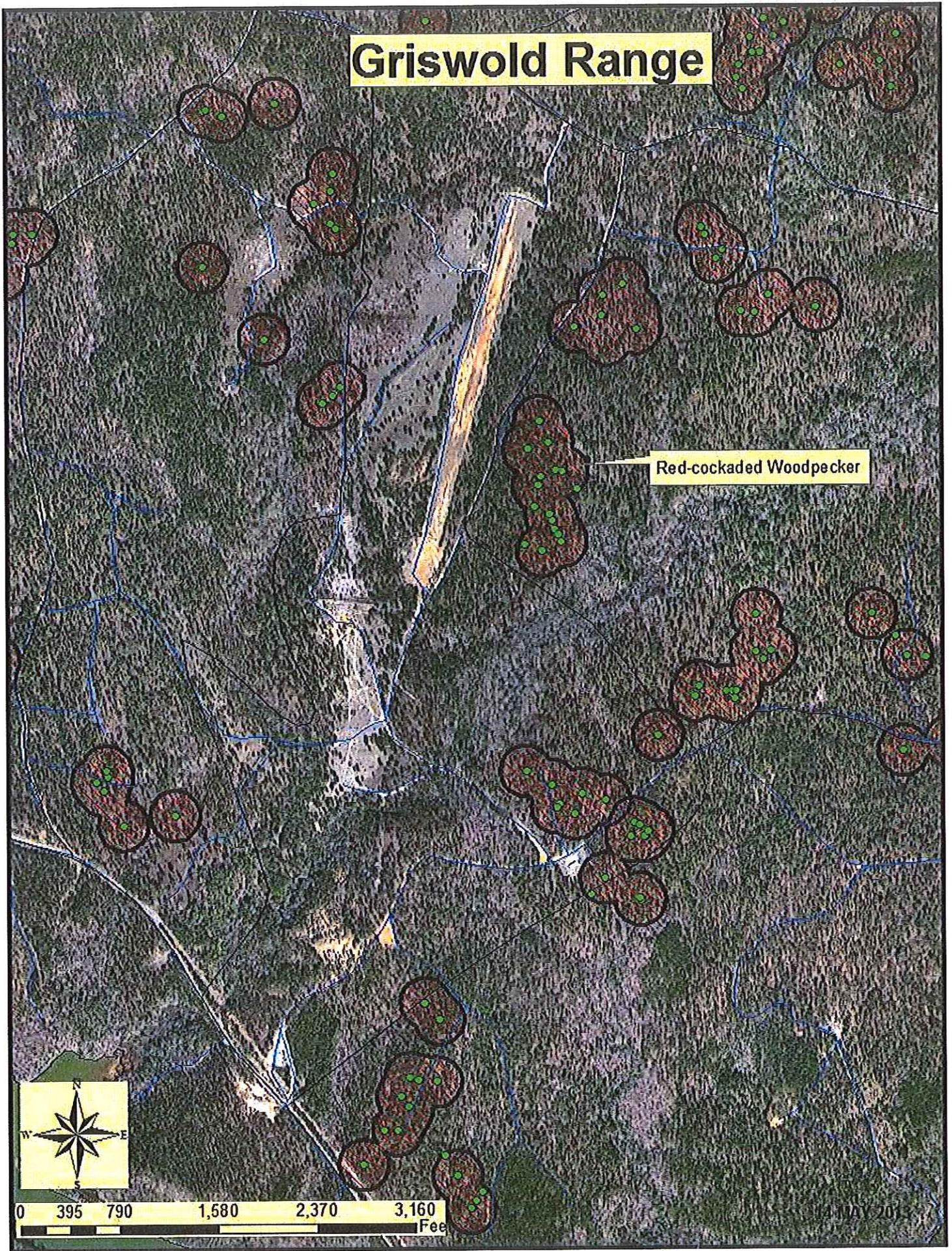
Griswold Range

Red-cockaded Woodpecker



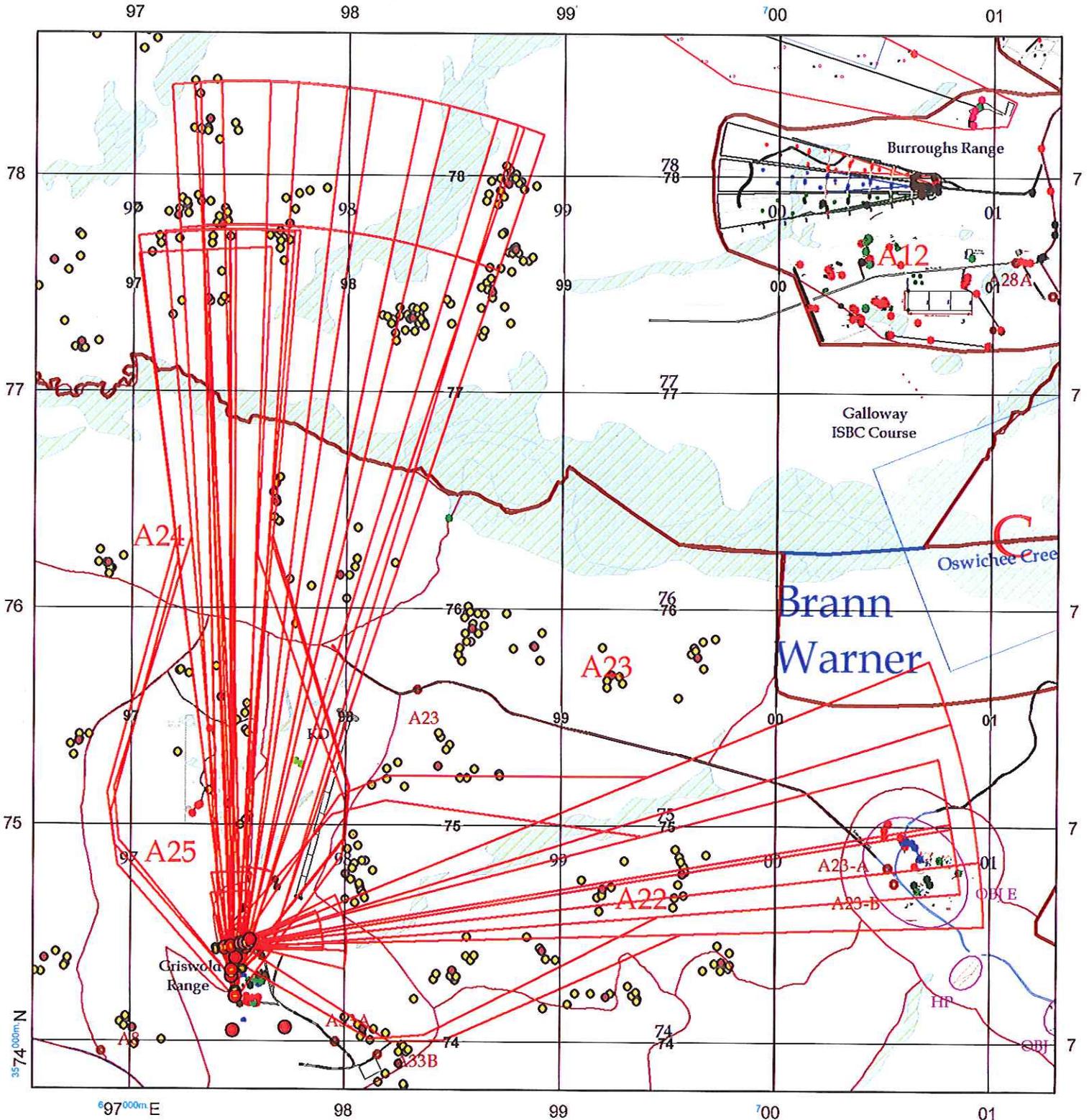
0 395 790 1,580 2,370 3,160 Feet

4 MAY 2013



Weapon Type: SMALL ARMS

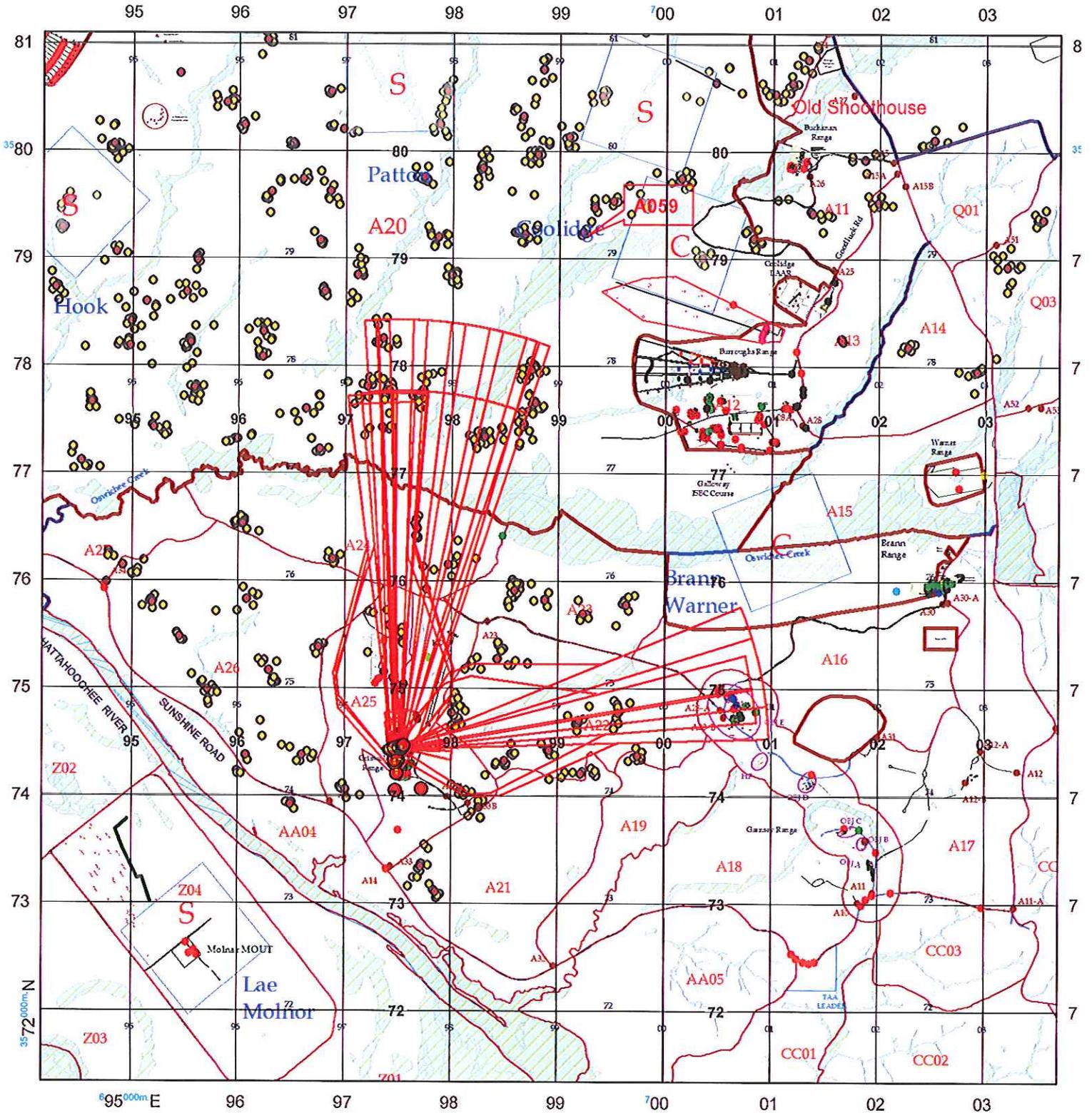
Weapon Caliber: composite



Range Manager Signature Authority:	Date:			Pinckot # 3-1-15	
Approving Authority: Mr. Tesch	Date: 27 MAR 15	[Signature]		Expiration: 26 MAR 17	
SDZ Created By:	Date: 03/25/2015	Unit: 2-11th	Phone: 545-5916	Email:	
SDZ Name: griswold211log3-1-15tm/sqdlfx	FP: 16SFA9747974297	FP: 16SFA9748474220	FP: 16SFA9742774423	FP: 16SFA9746774312	
Installation: None	FP: 16SFA9746774309	FP: 16SFA9749674220	FP: 16SFA9751574452	FP: 16SFA9747874312	
Range Name: None	FP: 16SFA9747974310	FP: 16SFA9746774311	FP: 16SFA9751874443	FP: 16SFA9751974440	
Range Officer: Mr. Greenway	FP: 16SFA9748574204	FP: 16SFA9747874311	FP: 16SFA9753174453	FP: 16SFA9753174454	
Direct Fire	FP: 16SFA9749774204	FP: 16SFA9739674430	FP: 16SFA9753574442	TP: 16SFA9746774325	
Aerial Target	FP: 16SFA9748474218	FP: 16SFA9742474435	FP: 16SFA9751474334	TP: 16SFA9747974325	
FP: 16SFA9746774297	FP: 16SFA9749674218	FP: 16SFA9739974418	FP: 16SFA9752674332	TP: 16SFA9748374234	

Weapon Type: SMALL ARMS

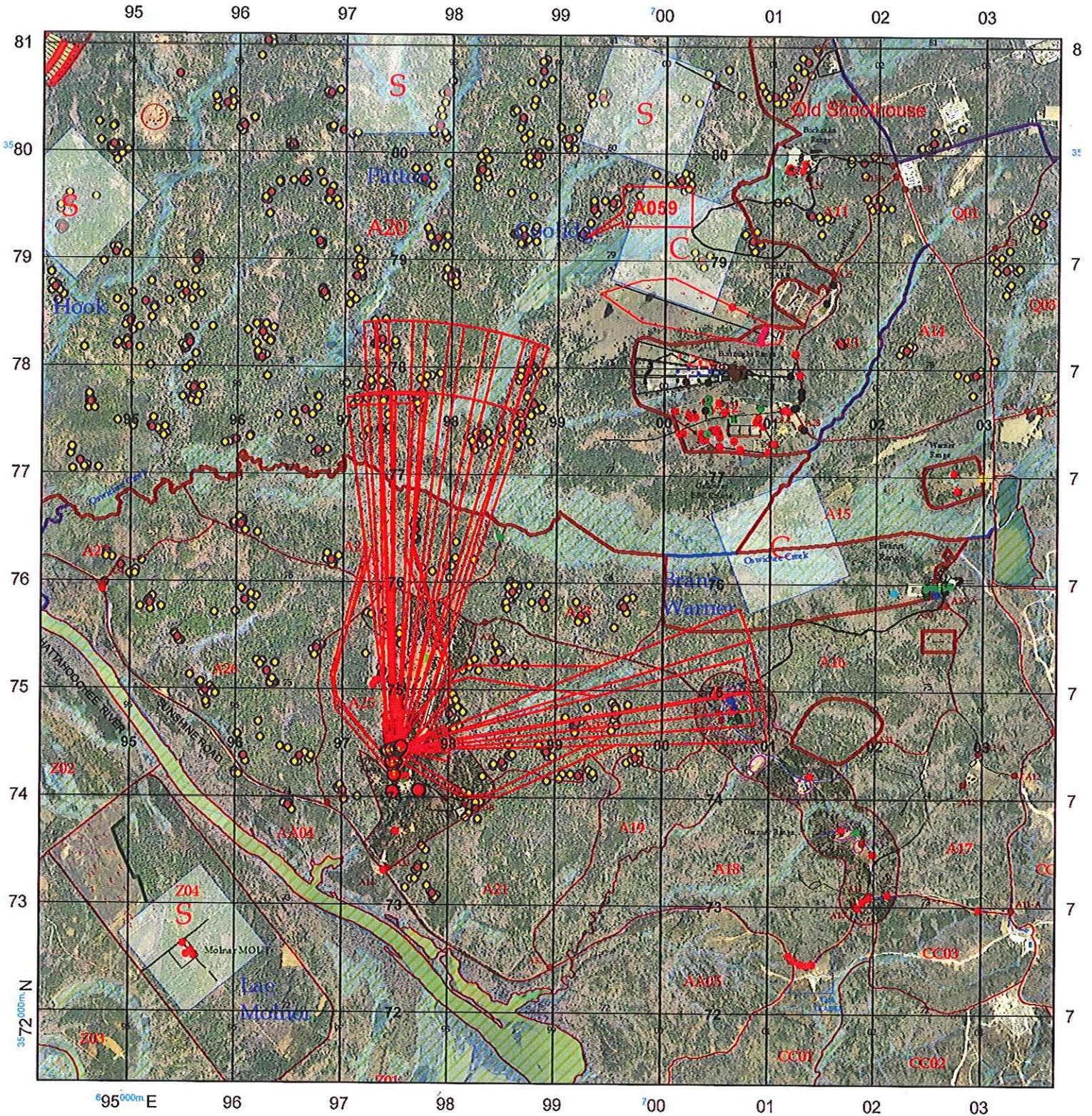
Weapon Caliber: composite



Range Manager Signature Authority:	Date:		
Approving Authority: Mr. Tesch	Date:		
SDZ Created By:	Date: 03/25/2015	Unit: 2-11th	Phone: 545-5916
			Email:
SDZ Name: griswold211log3-1-15tm/sqdlfx	FP: 16SFA9747974297	FP: 16SFA9748474220	FP: 16SFA9742774423
Installation: None	FP: 16SFA9746774309	FP: 16SFA9749674220	FP: 16SFA9751574452
Range Name: None	FP: 16SFA9747974310	FP: 16SFA9746774311	FP: 16SFA9751874443
Range Officer: Mr. Greenway	FP: 16SFA9748574204	FP: 16SFA9747874311	FP: 16SFA9753174453
Direct Fire	FP: 16SFA9749774204	FP: 16SFA9739674430	FP: 16SFA9753574442
Aerial Target	FP: 16SFA9748474218	FP: 16SFA9742474435	FP: 16SFA9751474334
FP: 16SFA9746774297	FP: 16SFA9749674218	FP: 16SFA9739974418	FP: 16SFA9752674332
			TP: 16SFA9746774325
			TP: 16SFA9747974325
			TP: 16SFA9748374234

Weapon Type: SMALL ARMS

Weapon Caliber: composite



Range Manager Signature Authority:	Date:			
Approving Authority: Mr. Tesch	Date:			
SDZ Created By:	Date: 03/25/2015	Unit: 2-11th	Phone: 545-5916	Email:
SDZ Name: griswold211log3-1-15tm/sqldfx	FP: 16SFA9747974297	FP: 16SFA9748474220	FP: 16SFA9742774423	FP: 16SFA9746774312
Installation: None	FP: 16SFA9746774309	FP: 16SFA9749674220	FP: 16SFA9751574452	FP: 16SFA9747874312
Range Name: None	FP: 16SFA9747974310	FP: 16SFA9746774311	FP: 16SFA9751874443	FP: 16SFA9751974440
Range Officer: Mr. Greenway	FP: 16SFA9748574204	FP: 16SFA9747874311	FP: 16SFA9753174453	FP: 16SFA9753174454
Direct Fire	FP: 16SFA9749774204	FP: 16SFA9739674430	FP: 16SFA9753574442	TP: 16SFA9746774325
Aerial Target	FP: 16SFA9748474218	FP: 16SFA9742474435	FP: 16SFA9751474334	TP: 16SFA9747974325
FP: 16SFA9746774297	FP: 16SFA9749674218	FP: 16SFA9739974418	FP: 16SFA9752674332	TP: 16SFA9748374234