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: 1 April 2013 Log #2-13-13
Range: K36 (Ranger Objective)
Title: Fire Support Coordination Exercise
Problem No:

THRU: S3
3d Battalion, 75th Ranger Regiment
Fort Benning, GA 31905

FROM: FSO
3d Battalion, 75th Ranger Regiment
Fort Benning, GA 31905

SECTION I, TYPE OF TRAINING

☒ a. Live Fire ☐ b. Non-live Fire CP/Controller Coordinates: GA 1722 9017

SECTION II, DEMOLITIONS/GRENADES/MINES/PYROTECHNICS

Coordinates	Type	Model/DODAC	Size of Charges
See Weapons & Ammo List	See Weapons & Ammo List	See Weapons & Ammo List	See Weapons & Ammo List

SECTION III, WEAPONS/AMMUNITION REQUESTED

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

SECTION IV, LIVE FIRE EXERCISES Attach the following:

☒ Scenario of training to be conducted:
☒ Sketch of area:
☒ Risk Assessment:
☒ Attach FB Form 350-19-2-E-R if Mortar or artillery is being fired:

SECTION V, NON-LIVE FIRE TRAINING

Training area(s) to be occupied:

☐ Scenario of training to be conducted:
☐ Sketch of area(s) to be occupied:
☐ Risk Assessment:

Name/rank of requesting officer:
CPT Andrew R. Supiano

Name/rank of Major Unit S3/Commander:
MAJ Scott B. Cheney

SECTION VI, FOR RANGE DIVISION USE

DATE: 8 Apr 13

TO: XXXXXXXXXXX

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

a. Roadblocks to be closed: See Weapons/Ammo List And Roadblock/Guard Enclosure
b. Road(s) to be closed/road barrier locations:
c. Remarks:
d. This approval expires: 7 Apr 17

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

ARTILLERY/MORTAR SAFETY RECORD

For use of this form, see USAIC Regulation 350-19; the proponent is DPTMS, Range Division.

DATE:	1 April 2013	**UNIT:**	HHC, 3d Battalion, 75th Ranger Regiment	**TITLE:**	K36 Fire Support Coordination Exercise Log #2-13-13
FIRING POINT #:	207	**WEAPONS:**	81mm Mortar		
COORDINATES:	GA 1921 8985 to 1921 8993				

Weapon Projectile	Left Limit Mils	Right Limit Mils	Minimum Range Meters	Maximum Range Meters	Minimum Charge	Maximum Charge	Maximum Ordnance Meter
HE M374 &A2	5500 Grid Az	5805 Grid Az	3300	5650	7	9	2222
WP M375 & A2	5410 Grid Az	5805 Grid Az	3300	5650	7	9	2222
HE M374A3	5500 Grid Az	5805 Grid Az	3300	5650	3	4	2364
HE M721	5500 Grid Az	5805 Grid Az	3300	5650	3	4	2880
HE M889	5500 Grid Az	5805 Grid Az	3300	5650	3	4	2831
HE M821A1 & A2	5500 Grid Az	5805 Grid Az	3300	5650	3	4	3059
HE M889A1E1	5500 Grid Az	5805 Grid Az	3300	5650	3	4	3059
HE M889A1	5500 Grid Az	5805 Grid Az	3300	5650	3	4	3068
RP M819	5410 Grid Az	5805 Grid Az	3300	5650	3	4	2499
ILL M853A1	5410 Grid Az	5805 Grid Az	3300	5650	3	4	2820
IR ILL M816	5410 Grid Az	5805 Grid Az	3300	5650	3	4	2828

SPECIAL INSTRUCTIONS: This FB Form 350-19-2-E-R must accompany the corresponding FB Form 350-19-1-E-R.

Targets in K15; Non HE Targets = 1-25, 31-34, 48, 50-56. HE Targets = 1, 3-15, 17-25, 31-34, 50-56.

Name/rank of requesting officer CPT Andrew R. Supiano AFSO, 3/75 Ranger	
Chief, Range Division Directorate of Plans, Training, Mobilization and Security	

ARTILLERY/MORTAR SAFETY RECORD

For use of this form, see USAIC Regulation 350-19; the proponent is DPTMS, Range Division.

DATE: 1 April 2013 **UNIT:** HHC, 3d Battalion, 75th Ranger Regiment **TITLE:** K36 Fire Support Coordination Exercise Log #2-13-13

FIRING POINT #: OPA1 & OPB1
OPA2 & OPB2 **WEAPONS:** 60mm Mortar

COORDINATES: OPA1: GA 17186 90140. OPB1: GA 17251 90198
OPA2: GA 16848 90222. OPB2: GA 16979 90309

Weapon Projectile	Left Limit Mils	Right Limit Mils	Minimum Range Meters	Maximum Range Meters	Minimum Charge	Maximum Charge	Maximum Ordnance Meter
OPA1 & OPB1 M679 FRPC	4710 Grid Az	0140 Grid Az	125	700	0	1	683
OPA2 & OPB2 M679 FRPC	4850 Grid Az	6200 Grid Az	125	700	0	1	683

SPECIAL INSTRUCTIONS: This FB Form 350-19-2-E-R must accompany the corresponding FB Form 350-19-1-E-R.

OPA1 & OPB1 Target Area = Target Box A & B.
OPA2 & OPB2 Target Area = Target Box C.

Name/rank of requesting officer	
CPT Andrew R. Supiano AFSO, 3/75 Ranger	
Chief, Range Division Directorate of Plans, Training, Mobilization and Security	

DEPARTMENT OF THE ARMY
HEADQUARTERS, 3rd BATTALION, 75th RANGER REGIMENT
7917 DAWSON LOOP, BUILDING 2946
FORT BENNING, GEORGIA 31905

REPLY TO
ATTENTION OF

AORG-TB-FS

8 April 2013

MEMORANDUM FOR RANGE CONTROL, FORT BENNING, GA

SUBJECT: Special Instructions for Fire Support Coordination Exercise (FSCX), 15-18APR13

1. The purpose of this memorandum is to outline the training scenario for the direct and indirect fires support 3/75 Fire Support Coordination Exercise on K36, 15 – 18 April, 2013.

2. Attack helicopters.

a. Primary direction of fire is 300 to 360 degrees for 2.75" Inert, 7.62mm ball/tracer and .50 cal ball/tracer.

b. Start fire line is Phase Line VIKINGS (100 meters east of Phase Line LIONS). The cease fire line is Pine Knot Creek (Phase Line CHIEFS).

c. IAW reduced MSDs from the MCOE CG, all 7.62mm, .50 cal and 2.75" rocket fire will be at a minimum distance of 100m ICW USASOC Regulation 385-1, Accident Prevention and Reporting (15 Apr 04).

d. Aircraft will conduct a dry pass to identify personnel and targets prior to expending any ordnance. Weapons will not arm until they are at or beyond the start fire line on their designated attack heading and will remain on safe when not engaging targets.

e. Ordnance will not be employed unless positive clearance of fire is passed by the controller on the ground.

f. Aircraft will be separated by time, distance or space. Aircraft will separate from mortar fires laterally, using Whitson Road (Phase Line FALCONS). When mortars are firing, helicopters will stay south and west of Whitson Road (Phase Line FALCONS).

g. Attack helicopters will conduct Forward Arming Refueling Point (FARP) operations on Eelbeck Field and will orient weapon systems on a 075 azimuth into the K15 impact area while conducting FARP operations.

h. Flight corridor for attack helicopters will be established south and west of K36 range between Eelbeck Field FARP and the CCA holding area (BP Chevron).

g. Overhead fires from Army Special Operations Aviation, Gunship and CAS are authorized, IAW range safety waiver from MCOE CG.

3. Direct Fire Weapons (40mm smoke).

a. All direct fire weapons will be from positions that provide an unobstructed field of view.

b. Direct fire weapons (M320) employed by ground elements will engage targets only when positive identification of designated target(s) has been made.

c. Direct fire weapons will only be fired when attack aircraft are off-set by a minimum of 15 degrees.

d. Direct fire weapon engagement will cease at all observation posts when one element is directed to move forward of the current FLOT. Once established in the next forward position, the forward element will be able to employ direct fire weapons. The remainder of the OPs will hold direct fire engagements until they are on line with the new FLOT.

e. All direct fires will be off-set from other ground positions by a minimum of 15 degrees and all targets for mark will be inside the respective platoon lane.

4. Mortars.

a. 60mm mortars will be fired in handheld mode from the OP positions of each platoon.

b. Mortar ammunition fired will be FRTR and non-dud producing.

c. Deconfliction of airspace from mortars and RW/FW assets will be executed by Ranger Fire Supporters on the ground.

d. 60mm mortar fires will be observed by the observers co-located with the asset.

e. Mortar fire will be deconflicted by lateral, altitude and time separation from all aircraft to ensure safety of flight.

f. 81mm mortars will be fired from Firing Point 207.

g. 81mm mortars will fire HE ammunition into the K15 impact area. No targets in the depleted uranium areas will be engaged.

h. Mortar registration will occur daily prior to the execution of the company iteration.

5. AC-130W.

a. AC-130W will establish a 1.5 – 2.5 NM firing orbit over K36 / K15 at 8 – 10k feet AGL.

b. All munitions fired from the AC-130 will be Training Practice to minimize impact on depleted uranium areas.

c. AC-130 will conduct a visual sensor firing tweak into the K15 impact area to ensure positive "zero" between sensors and guns prior to each iteration.

d. The AC-130 will engage targets IAW published MSDs. With the 30mm, crews will not engage targets closer than 500m to ground forces. Reference: ATP 3-09.32, JFIRE, November, 2012.

e. The AC-130 will not engage on NO-FIRE headings between 180-360 degrees. This will ensure safety to ground forces for close fires (inside lanes A and B). There is no restriction on engagement headings into the K15 impact area for the AC-130.

6. Concept of Maneuver (refer to CONOP slide deck for detail).

a. Ground elements will establish at OPs A1 and B1 (east/southeast of PL LIONS – Box Spring Road). Attack helicopters will establish in BP CHEVRON (2 km SE along Whitson Rd). AC-130 will establish a 1.5 – 2.5 NM firing orbit over K36 / K15 at 8 – 10k feet AGL in firing overhead. 81mm Mortar will be established on MFP 207.

b. Targets will be identified in "boxes" IOT rapidly determine which types of assets/munitions can be utilized to engage.

1. Target Boxes A and C refer to engagement with waivered AH-6s and 60mm mortar FRTR. These engagements are no closer than 100m from ground forces and subject to the restrictions listed above.

2. Target Box B refers to engagements including with 30mm TP from AC-130. These engagements also include waivered AH-6 and 60mm mortar FRTR. These engagements are no closer than 500m from ground forces and subject to the restrictions listed above.

3. Target Box K15 refers to engagements in the K15 impact area. This includes 81mm mortar (HE), all AH-6/AC-130 and any other assets (CAS).

c. Per the Company Commander's notional scheme of maneuver, targets will be identified for attack. NOTE: Target boxes are not static and any shift forward as subsequent observation posts are established, will correspondingly shift acceptable weapon systems forward.

c. All initial observation posts are authorized to utilize direct fire weapons systems (40mm Smoke and 60mm FRTR) to mark targets utilizing previously identified restrictions.

d. Upon conditions being set for movement of a single element to PL BEARS (OP A2, B2), direct fires will cease and RW/Gunship fires will only be approved for engagements outside of MSDs. All direct fire weapon systems will be put on "safe" for movement.

e. Upon establishment at OP A2 and B2, elements may engage with direct fire weapon systems. Other elements must hold direct fires until they occupy the other OP 2 positions.

f. From PL BEARS, observer controllers will point out target sets in Target Box C for engagement by Attack Helicopters and 60mm and targets in K15 for engagement by Mortars/AH-6/AC-130.

g. Upon conditions being set for movement of a single element to PL PACKERS (OP A3, B3), direct fires will cease and RW/Gunship fires will only be approved for engagements outside of MSDs. All direct fire weapon systems will be put on "safe" for movement.

h. Upon initiation of movement to and establishment at OP A3 and B3, all direct weapons systems fire (to include 60mm handheld) will cease.

i. From PL PACKERS, observer controllers will point out visible targets in K15 for engagement by 81mm mortar/AH-6/AC-130.

j. Once targets have been successfully engaged at PL PACKERS, the Ground Element will withdraw from the objective.

k. During withdrawl from OBJ GOLD, observer controllers will point out visible targets in K15 for engagement by 81mm mortar/AH-6/AC-130 (Dependent on time and ammunition available).

7. Support by Fire / Observation Posts: Six OP locations (A/B 1-3) have been pre-determined based on terrain and measured distances to existing targets. Companies must relocate to these intermediate and final OPs in order to ensure ground parties are outside the MSD of each weapon system employed on a particular target.

OP A1

a. Coordinates: 16S GA 17186 90140

b. Authorized Weapon Systems and Ammunition Types: All into K15 impact area; all minus 81mm into Box B; Attack Helos and 60mm only into Box A

c. Right Limit of Fire: Phase Line SAINTS

d. Left Limit of Fire: Phase Line FALCONS

OP B1

a. Coordinates: 16S GA 17251 90198

b. Authorized Weapon Systems and Ammunition Types: All into K15 impact area; all minus 81mm into Box B; Attack Helos and 60mm only into Box A.

c. Right Limit of Fire: Phase Line TEXANS

d. Left Limit of Fire: Phase Line SAINTS

OP A2

a. Coordinates: 16S GA 16848 90222

b. Authorized Weapon Systems and Ammunition Types: All into K15 impact area; Attack Helos and 60mm only into Box C

c. Right Limit of Fire: Phase Line SAINTS

d. Left Limit of Fire: Phase Line FALCONS

OP B2

a. Coordinates: 16S GA 16979 90309

b. Authorized Weapon Systems and Ammunition Types: All into K15 impact area; Attack Helos and 60mm only into Box C.

c. Right Limit of Fire: Phase Line TEXANS

d. Left Limit of Fire: Phase Line SAINTS

OP A3

a. Coordinates: 16S GA 16692 90399

b. Authorized Weapon Systems and Ammunition Types: All into K15 impact area

c. Right Limit of Fire: No direct fire

d. Left Limit of Fire: No direct fire

OP B3

a. Coordinates: 16S GA 16731 90519

b. Authorized Weapon Systems and Ammunition Types: All into K15 impact area

c. Right Limit of Fire: No direct fire

d. Left Limit of Fire: No direct fire

8. Targets. Targets consist of wooden buildings, bunkers, tire stacks, wooden-framed E-type silhouettes, and light skinned vehicles. All vehicles will be cleared of hardened metal, engine and fluids. All targets will be engaged outside waivered or published MSDs.

9. Markings. During daylight hours, targets will be marked by 60mm FRTR or 40mm smoke. Personnel will be marked IAW the 75th Ranger Regiment SOP (VS-17 panel and/or signal mirror).

10. Communications. Positive FM communications will be maintained at all times between OIC/RSO, ground controllers and aircraft. If communications are lost, the range will go into a cease fire status (cold) until positive communications are reestablished with all assets.

11. Pyrotechnic Signal Usage. When any pyrotechnic signals are utilized, the overhead area will be cleared to ensure there are no aircraft in or around the launch area.

12. Emergency Cease Fire Signal. Primary emergency cease fire signal will be FM voice. Alternate emergency cease fire signal will be two red star clusters. Emergency cease fire signals will be briefed to all personnel prior to training. All participants are safety officers; anyone may call for a cease fire when an unsafe act is observed.

13. Road Guards and barriers will be located IAW enclosed documents (K36 Weapon and Ammo Enclosure / K36 Roadblocks)

5. The point of contact for this memorandum is MAJ Andrew Shaffer, 3/75 Battalion FSO at 706-545-4735 or andrew.f.shaffer@ahqb.soc.mil.

ANDREW F. SHAFFER
MAJ, FA
Fire Support Officer

K36 3/75th FSCX Log #2-13-13 Weapon & Ammo Enclosure

Firing Positions	Weapons	Ammunition	Left Limit, Grid Az	Right Limit, Grid Az
AC130 Targets In K15	30mm	TP	Continuous Fire	Continuous Fire
AC130 K36 Target Box B	30mm	TP	See AC130 Notes	See AC130 Notes
FP 207 (Target Area K15): GA 1921 8985 to GA 1921 8993	81mm Mortar	HE, WP, ILL, RP, IR ILL	(HE) 5500 Mils (Non HE) 5410 Mils	5805 Mils
Eelbeck Field Helicopter FARP: GA 1150 9181	2.75" FFAR, M2 M134 Mini Gun	Inert, .50 cal Ball/Tracer/API-T 7.62mm Ball/Tracer	075 Deg's	075 Deg's
OPA1: GA 1719 9014 OPB1: GA 1725 9020 OPA2: GA 1685 9022 OPB2: GA 1698 9031	M320, 60mm Mortar	40mm Smoke, M769 FRPC	(OPA1/B1) 4710 Mils (OPA2/B2) 4850 Mils	(OPA1/B1) 0140 Mils (OPA2/B2) 6200 Mils
Attack Helicopters Start Fire: GA 1698 8983 to GA 1750 9013 Cease Fire: GA1638 9087 to GA 1690 9117	2.75" FFAR, M2 M134 Mini Gun	Inert, .50 cal Ball/Tracer/API-T 7.62mm Ball/Tracer	300 Deg's	360 Deg's
OPA1, OPB1, OPA2, OPB2	Pyrotechnics	Smoke Grenade, G982, G940, G955 Star Clusters, G881	NA	NA

Roadblocks: K: 2, 3, 4, 5, 10, 16A, 16B, 27, 28, 29, 30, 32, 36, 36A, 38, 39, 41, 42, 47. **D:** 1, 2. **L:** 10. **Barrier Positions:** DMPRC Barriers #1 (1553 8738) And #2 (1608 8766). **Roadguards: 1)** On Buena Vista Road at 11452 91990 Aprox 300m West of the K10 Roadblock Blocking Traffic Going East on Buena Vista Road And Adjacent Tank Trail. **2)** On Buena Vista Road at The K36 Roadblock 1628 8822 Blocking Traffic Going North-West on Buena Vista Road. **3)** On Hourglass Road at The D1 Roadblock 0978 8784 Blocking Traffic Going North on Hourglass Road (Note: OIC Will Coordinate with Mr Cribb on DMPRC to Allow DMPRC Control Personnel Access to The DMPRC Control Center). Roadguards Will Maintain Constant Communication With OIC. If Communications Are Lost The Unit Will go Into a Self Induced Check Fire, Notify Range Control And Will Not Resume Firing until Communications Are Restored And Cleared Through Range Control.

Note: Various LASERS will be used during this Live Fire exercise. LASER warning signs will be in place during LASER use.

AC130 Notes: AC130 Can Conduct Continuous Fire at Targets 1-48, 55 And 56 in The K15 Area. AC130 Target Area for K36 is Target Box B (GA: 1669 9028 to 1659 9040 to 1668 9058 to 1675 9063 to 1684 9050). AC130 No Fire Heading For K36 Target Box B Will be Enforced When The Weapons Are Oriented Between 180 And 360 Degrees (Grid Azimuth). **FP 207 Notes:** See FB Form 350-19-2-E-R for Targets Located In The K15 Area. 81mm Mortar HE Ammunition Will Not be Fired Over or Into The DU Contamination Area (GA: 15145 92233 to 16145 92233 to 16145 91233 to 15145 91233) Located In The K15 Area. **Attack Helicopter Notes:** Start Fire is located Aprox 170m South East of The Intersection of Box Springs Road and Whitson Road (GA 17238 89983) and The Cease Fire is Located in Vicinity of Pine Knot Creek (GA 16638 91022) 1200m From The Start Fire on a 330 Degree Grid Azimuth. The Flight Engagement Corridor is 600m Wide And 1200m Long.

COMPOSITE RISK MANAGEMENT WORKSHEET

For use of this form, see FM 5-19; the proponent agency is TRADOC.

1. MSN/TASK:	2a. DTG BEGIN	2b. DTG END	3. DATE PREPARED *(YYYYMMDD)*
FSCX, MLAT 02-13 03	15APR~~2012~~ 2013	19APR~~2012~~ 2013	20121215

4. PREPARED BY

a. LAST NAME	b. RANK	c. POSITION
SHAFFER, ANDREW	MAJ	BATTALION FIRE SUPPORT OFFICER

5. SUBTASK	6. HAZARDS	7. INITIAL RISK LEVEL	8. CONTROLS	9. RESIDUAL RISK LEVEL	10. HOW TO IMPLEMENT	11. HOW TO SUPERVISE (WHO)	12. WAS CONTROL EFFECTIVE?
	Injuries sustained from bombs, rounds or guns on or near friendly positions.	H	Beacons, IR strobes, panels placed at all troop positions. Proper Call for Fire IAW JFIRE manual and 75th Ranger Regiment SOPs.	M	CO FSO/FSNCO PCC/PCI will enforce. Leader TEWT will be conducted prior to execution.	OIC, RSO, O/Cs, FSO/FSNCO	
			Positive ID of all targets and friendly positions will be made prior to engagements. All targets will be engaged outside MSD for each system pending waivers.		AC execute familiarization pass prior to range start. Pilots have graphics and will be briefed on the event.	OIC, RSO, O/Cs, FSO/FSNCO	
			Detailed air mission briefs with all pilots, gun crews and FDCs and 3/75 personnel. Rangers will wear MICH, carrier with plates, eye and ear protection.		Range FAM and OIC/RSO brief conducted prior to every lane. RW will employ diving fire.	OIC, RSO, O/Cs, FSO/FSNCO	
			RFR and medics will be on site with evac vehicle. Ground unit will verify gun and observer to target line, proper orbit of AC-130. Rehearsals conducted.		RSO/OIC will brief MEDECAC route, confirm equipment is present. Abort authority retained.	OIC, RSO, O/Cs, FSO/FSNCO	
			All surface danger zones are approved through range control. AC-130 tweak (boresight) conducted on K15 impact area (outside of MSD).		FSO/FSNCO will verify tweak complete in impact area and stored prior to training.	OIC, RSO, O/Cs, FSO/FSNCO	
			Howitzers and mortars emplaced with survey control points, laid in with M2 aiming circle or AFCS on Rg Cntrl firing points. All systems calibrate or register.		Firing unit PL/PSG will verify five requirements for accurate fire are met. OIC/RSO will ensure.	OIC, RSO, O/Cs, FSO/FSNCO	

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

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

☐ LOW ☐ MODERATE ☒ HIGH ☐ EXTREMELY HIGH

14. RISK DECISION AUTHORITY

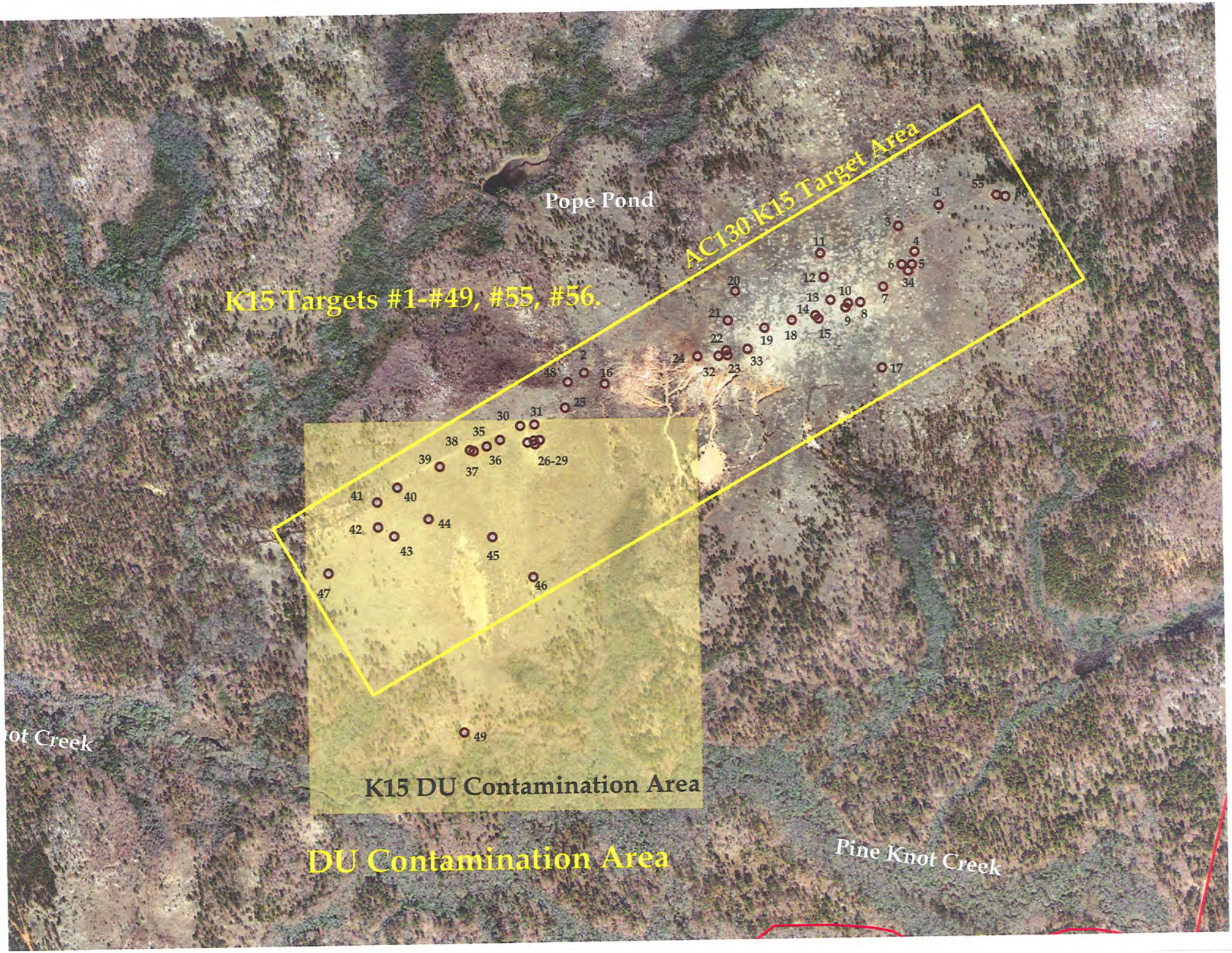
a. LAST NAME	b. RANK	c. DUTY POSITION	d. SIGNATURE
ODOM	COL	REGIMENTAL COMMANDER	COL, IN DCO

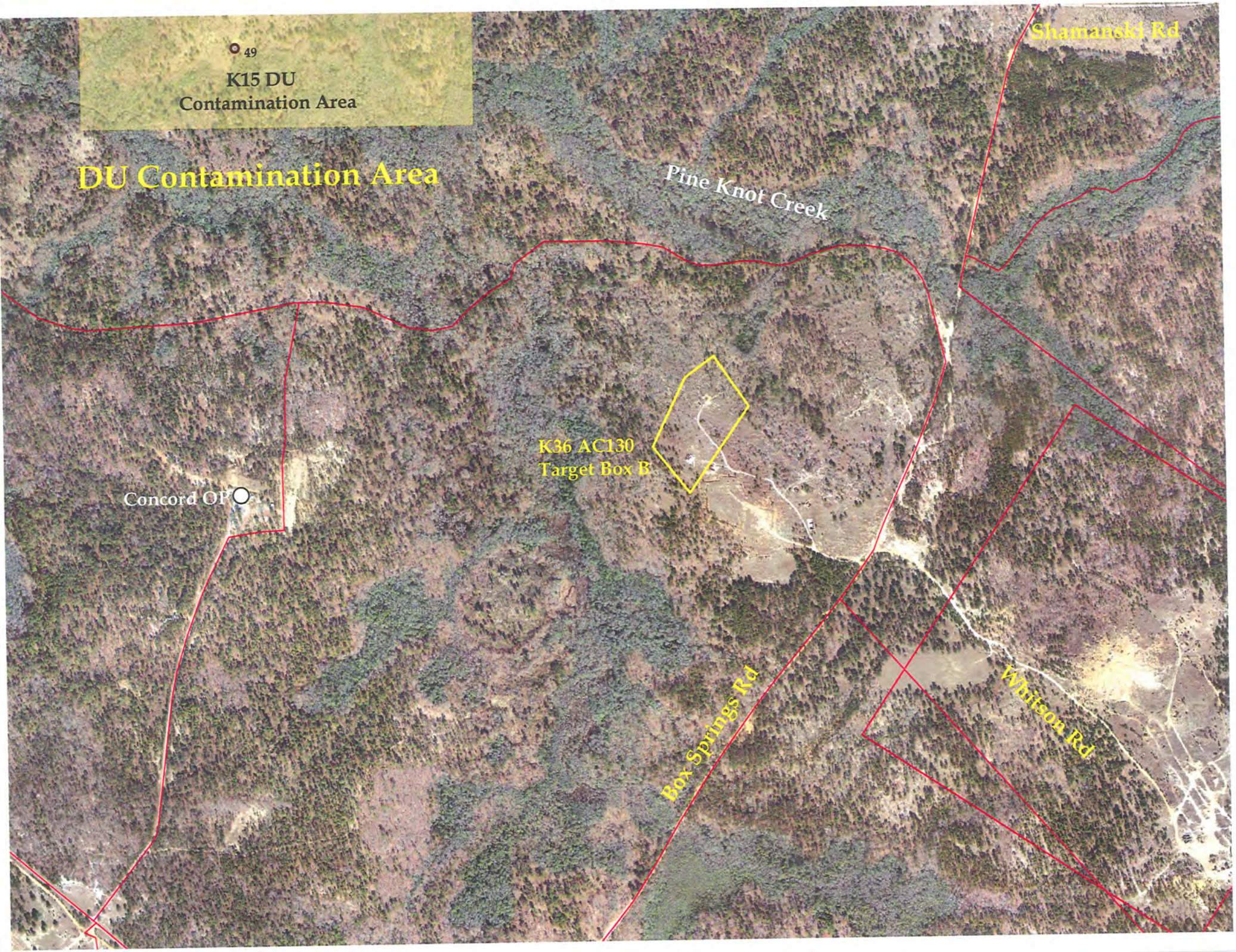
ITEMS 5 THROUGH 12 CONTINUED

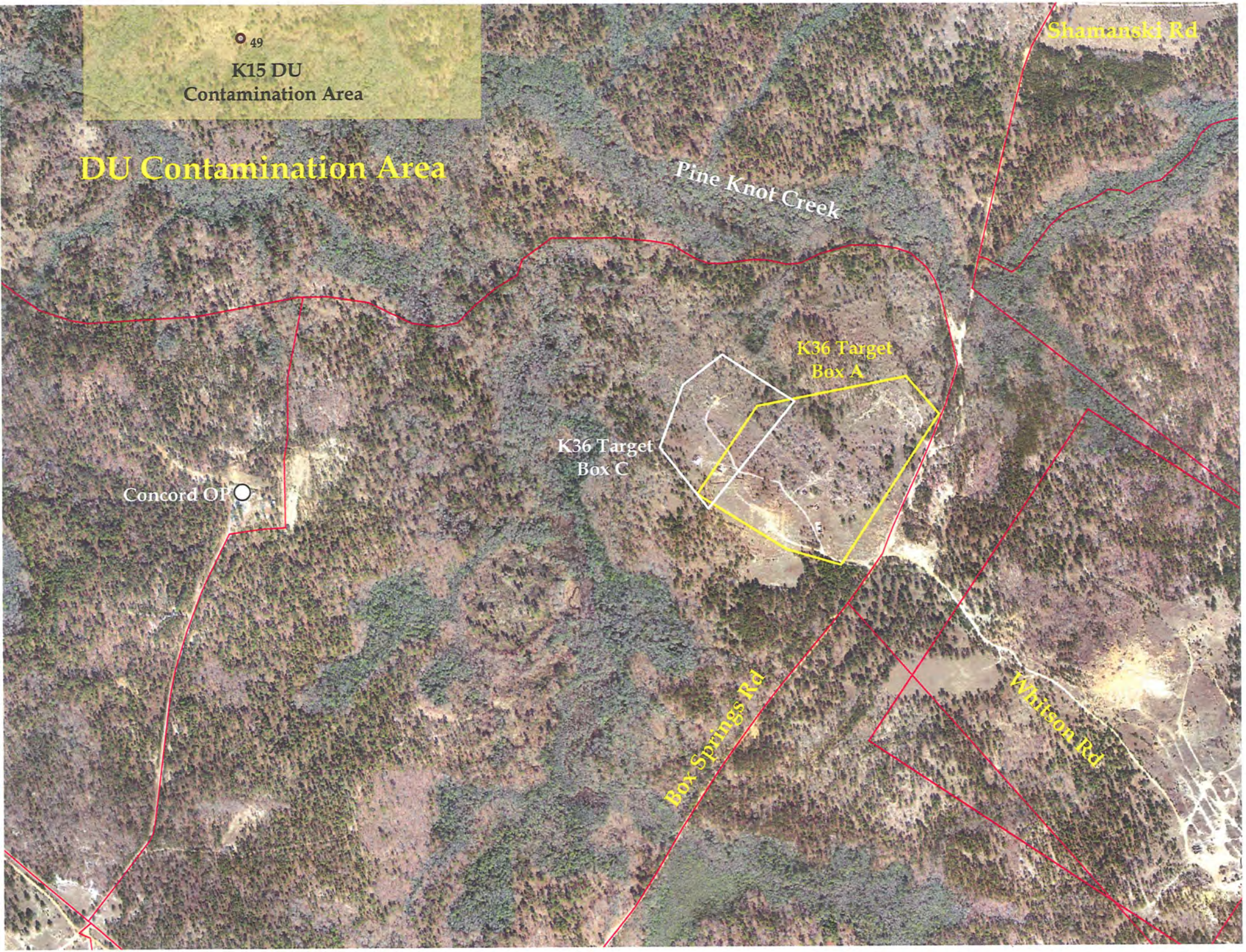
5. SUBTASK	6. HAZARDS	7. INITIAL RISK LEVEL	8. CONTROLS	9. RESIDUAL RISK LEVEL	10. HOW TO IMPLEMENT	11. HOW TO SUPERVISE (WHO)	12. WAS CONTROL EFFECTIVE?
	Injuries sustained from bombs, rounds or guns on or near friendly positions. (Continued)		JTACs will monitor all fire missions with radios to abort missions as necessary.		OCs will verify nose to target geometry/AC orientation. Pilots verify friendly positions.	OIC, RSO, O/Cs, FSO/FSNCO	
	AC-130, RW or FDC lose communications with controlling unit.	H	Ground unit at OP has FM (Pri) and UHF (Alt) with back up radios. Frequencies/ callsigns pre-coordinated.	M	Frequencies published in the CONOP. COM checks conducted prior to training.	OIC, RSO, O/Cs, FSO/FSNCO	
			All AC or surface-to-surface fire will not be cleared to fire if unable to talk to controllers.		Firing unit leaders, pilots, and all controllers will be briefed prior to executing training.	OIC, RSO, O/Cs, FSO/FSNCO	
	AC-130 / RW cannot identify friendly positions.	H	All friendly positions marked. AC will visually identify all friendly positions. AC will execute a dry pass prior to going hot.	M	RSO/OIC ensure dry pass conducted. All platforms confirm tally tgr, visual friendlies.	OIC, RSO, O/Cs, FSO/FSNCO	
	Heat Injury sustained	M	Temperatures and Rangers will be monitored. Rangers will hydrate IAW USASOC Reg 385-1, APR 2000.	L	Leaders will monitor Rangers, conditions and down grade uniform appropriately	OIC, RSO, O/Cs, FSO/FSNCO	
	Severe Weather	M	Leaders will monitor Range Control nets for emergency weather notification. If storm involves lightning, all personnel will be sent to dispersal areas.	L	RSO identifies and disseminates dispersal areas prior to training, briefs.	OIC, RSO, O/Cs, FSO/FSNCO	
			Radios turned off, AC RTB as necessary. Unit will clear training area in the event of extreme weather and move to a safe area.		Leaders verify all radios have been turned off and report voice that elements are in safe locations.	OIC, RSO, O/Cs, FSO/FSNCO	
	Negligent Discharge	H	Weapons will only be employed from approved locations. A 15 degree offset is enforced for all small arms IAW CGs waiver.	M	OCs/Leaders verify SBF location prior to firing. Rangers practice muzzle awareness.	OIC, RSO, O/Cs, FSO/FSNCO	
			Safeties placed with all squads to verify weapons oriented IAW approved SDZs. All weapons are on safe when not being fired. Weapons inspected clear on completion.		Leaders verify clear. Rangers practice muzzle discipline. Leaders notify OIC/RSO once complete.	OIC, RSO, O/Cs, FSO/FSNCO	
	Aircraft struck by surface to surface munitions.	H	All aircraft will be deconflicted by altitude or lateral separation and report clear before surface to surface fires are employed.	M	RSO/OIC and all Leaders monitor situation visually and via radio.	OIC, RSO, O/Cs, FSO/FSNCO	

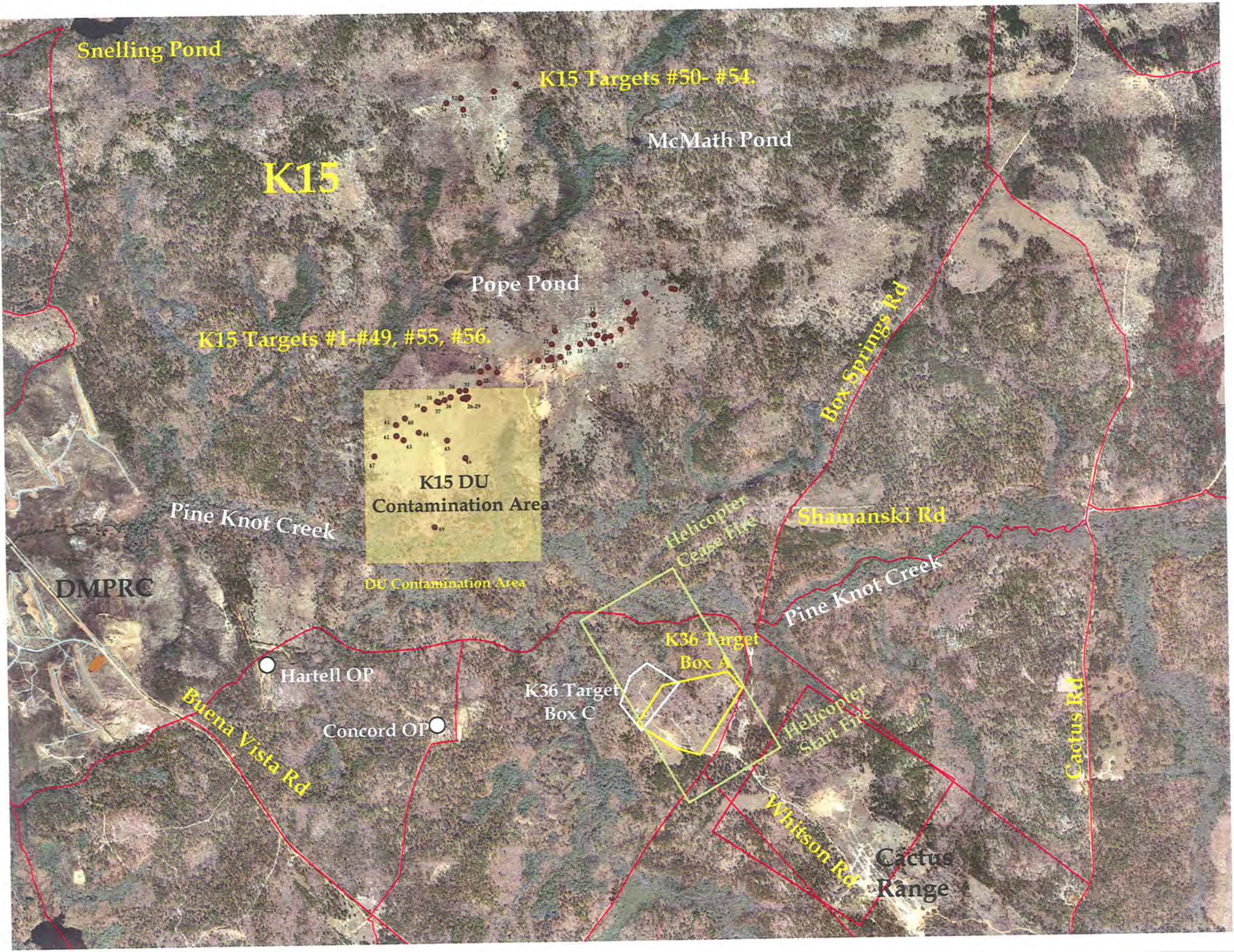
ITEMS 5 THROUGH 12 CONTINUED

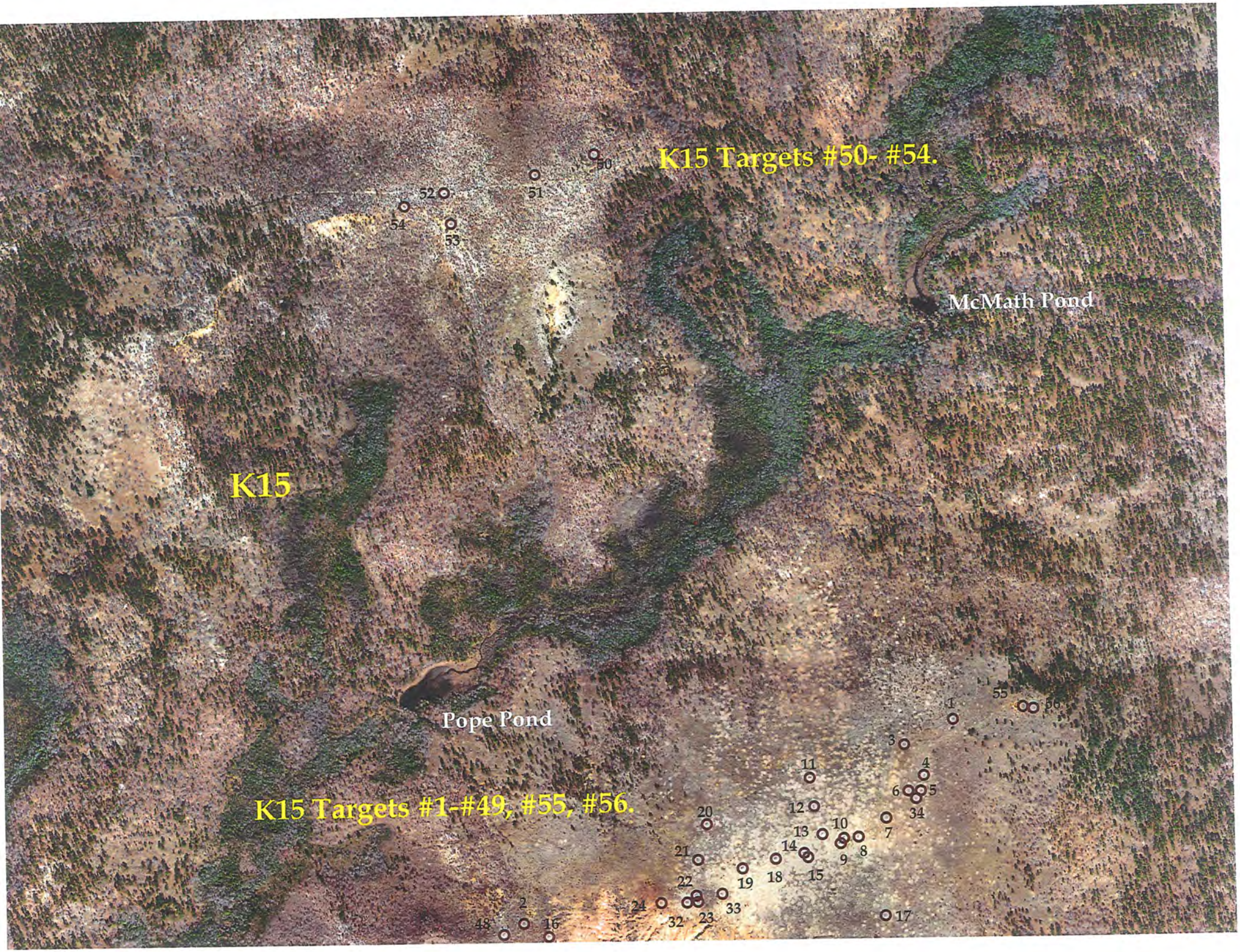
5. SUBTASK	6. HAZARDS	7. INITIAL RISK LEVEL	8. CONTROLS	9. RESIDUAL RISK LEVEL	10. HOW TO IMPLEMENT	11. HOW TO SUPERVISE (WHO)	12. WAS CONTROL EFFECTIVE?
	Rotary Wing Aircraft engaging targets while overhead troops.	E	Positive identification of all targets and friendly positions will be made prior to engagements. All Rangers wear PPE and go in the prone for danger close engagements.	H	RSO, OIC, controller will verify AC position. Leaders will conduct PCC/PCI, Pilots make "tally" and visual calls. Overhead fires waiver approved through unit chains of command.	OIC, RSO, OCs, Squad Leaders, Team Leaders and Rangers	
			Medical provider on site throughout duration of the training. Medics rehearsed on ground MEDEVAC route to AXPs and dustoff procedures. Personnel to be trained and OCs identified and pre-briefed on requirements in contingency event to serve as additional first responders.		OIC ensures Medical Provider conducts rehearsals daily and conducts prior coordination with all outside agency support in event of emergency.	OIC, RSO, OCs, Medical Provider	
	Injuries and damage caused by vehicular accidents to and from the range.	M	All vehicles will have a driver and TC. All speed limits, traffic regulations and road signs will be obeyed. Ground guides used when appropriate. Speed tailored to road. Route briefed prior to movement.	L	Leaders will ensure all drivers and TCs are alert and obeying traffic regulations and speed limits.	Leaders at all levels, TCs.	
	Aviation Accident	M	Pilots operate with crew duty day. Aircraft are maintained and certified for operations. Weather minimums are maintained throughout training period.	L	Close coordination with 1-160th and 16th SOS prior to start of exercise.	FSO, FSNCO	


Pope Pond
AC130 K15 Target Area
K15 Targets #1-#49, #55, #56.
K15 DU Contamination Area
DU Contamination Area
Pine Knot Creek
ot Creek


49
K15 DU
Contamination Area
DU Contamination Area
Pine Knot Creek
Shamanski Rd
K36 AC130
Target Box B
Concord OP
Box Springs Rd
Whitson Rd


49
K15 DU
Contamination Area
DU Contamination Area
Shamanski Rd
Pine Knot Creek
K36 Target
Box A
K36 Target
Box C
Concord OP
Box Springs Rd
Whitson Rd


Snelling Pond
K15 Targets #50- #54.
McMath Pond
K15
Pope Pond
K15 Targets #1-#49, #55, #56.
Box Springs Rd
K15 DU
Contamination Area
Pine Knot Creek
Helicopter
Cease Fire
Shamanski Rd
DMPRC
DU Contamination Area
Pine Knot Creek
K36 Target
Box A
Hartell OP
K36 Target
Box C
Concord OP
Helicopter
Start Fire
Cactus Rd
Buena Vista Rd
Whitson Rd
Cactus
Range


K15 Targets #50- #54.
50
51
52
53
54
McMath Pond
K15
Pope Pond
K15 Targets #1-#49, #55, #56.
55
56
1
3
4
11
6
5
34
12
20
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48
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23
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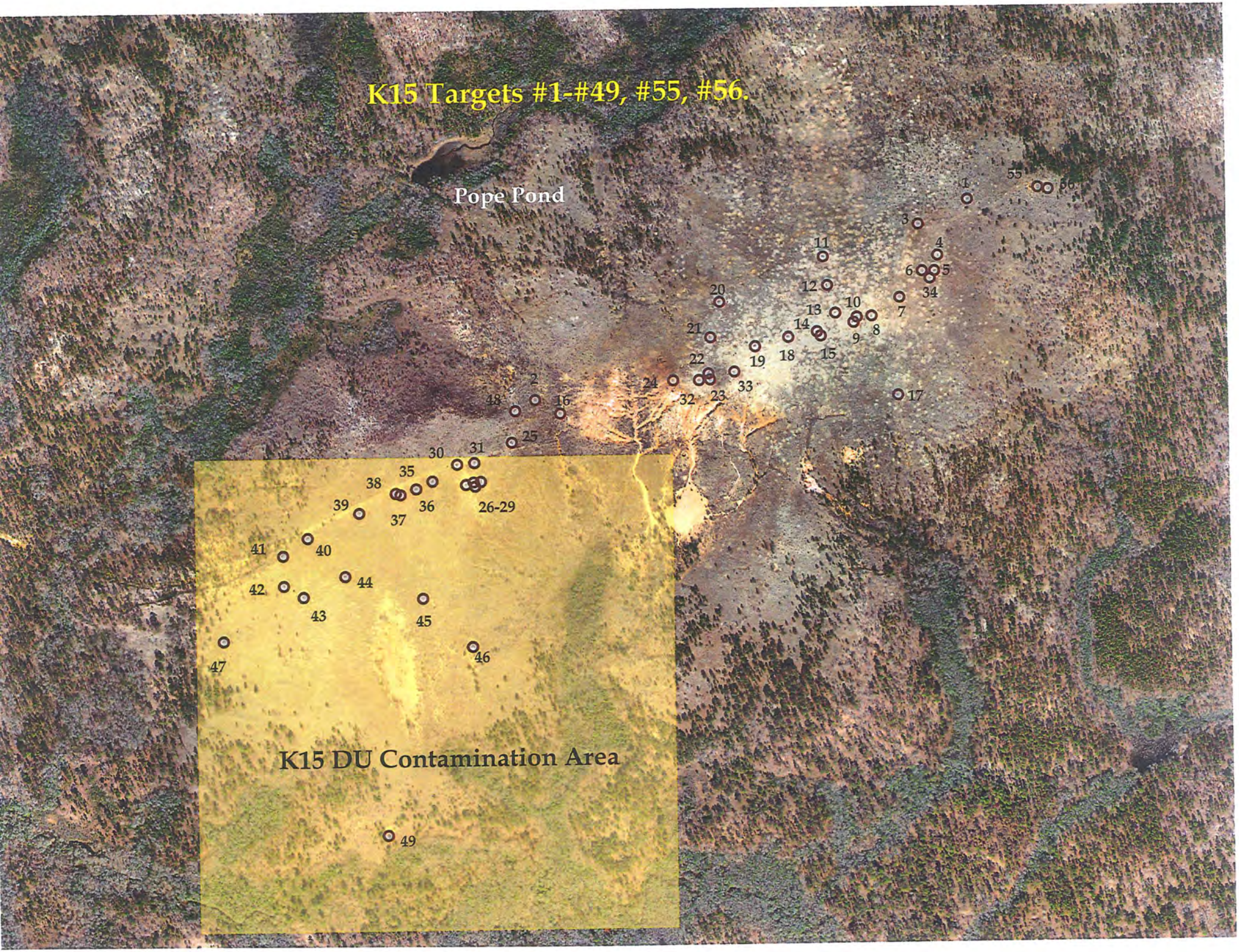
K15 Targets #1-#49, #55, #56.
Pope Pond
K15 DU Contamination Area
1
55
56
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7
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9
10
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12
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14
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17
18
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26-29
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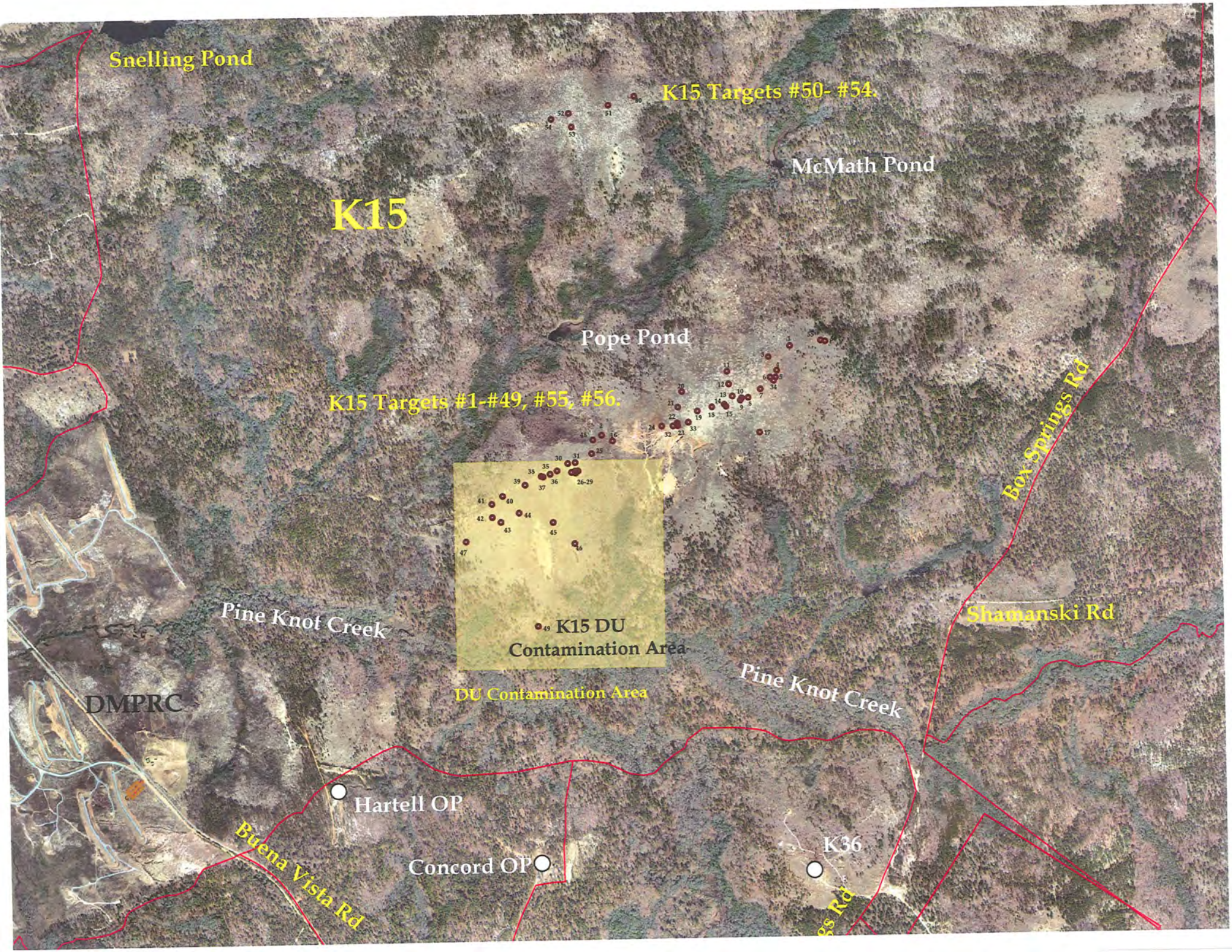
Snelling Pond
K15 Targets #50- #54.
McMath Pond
K15
Pope Pond
K15 Targets #1-#49, #55, #56.
Box Springs Rd
Shamanski Rd
Pine Knot Creek
49 K15 DU
Contamination Area
DU Contamination Area
Pine Knot Creek
DMPRC
Hartell OP
Buena Vista Rd
Concord OP
K36

K15 TARGETS Aug 1, 09

TARGET #	COORDINATES (GA)
1	16772 92766
2	15862 92350
3	16668 92714
4	16708 92648
5	16701 92615
6	16675 92615
7	16627 92559
8	16568 92520
9	16530 92507
10	16537 92518
11	16468 92647
12	16476 92586
13	16492 92527
14	16453 92488
15	16461 92479
16	15914 92321
17	16621 92352
18	16393 92477
19	16323 92458
20	16250 92553
21	16230 92478
22	16225 92402
23	16228 92389
24	16151 92388
25	15812 92261
26	15746 92179
27	15734 92169
28	15731 92178

TARGET #	COORDINATES (GA)
29	15715 92173
30	15697 92216
31	15733 92219
32	16205 92388
33	16279 92405
34	16691 92599
35	15645 92181
36	15611 92165
37	15578 92153
38	15568 92156
39	15491 92115
40	15382 92063
41	15330 92026
42	15331 91962
43	15372 91938
44	15460 91981
45	15622 91933
46	15725 91829
47	15203 91846
48	15820 92327
49	15543 91433
50	16045 93982
51	15920 93941
52	15729 93905
53	15742 93839
54	15645 93878
55	16920 92790
56	16942 92786

RECORD OF ENVIRONMENTAL CONSIDERATION (REC)

Date Submitted: 4/2/2013

EMD Number: 1309205 **Project#:** Unknown **Project Title:** Fire Support Coordination Exercise, FSCX

Description of proposed action:

will be conducting FIRE SUPPORT COORDINATION EXERCISE WITH M240, 5.56 M-4, 84mm CARL G, M320 40mm, 40mm SMOKE, 60mm MORTAR HE FRTR/SRTR, 81mm MORTAR HE, 120mm MORTAR, 155 HOWITZER, AH6 7.62mm, .50 Cal, 2.75 ROCKETS INERT, AC 130, 30mm TP 30mm HE, 105mm, 25mm, 40mm INERT, Helicopter FARP Locations at Eelbeck Field Ammo and Fuel at this location

Project Location:

Cactus OP, K15, Ranger OBJ, K36, FP207, FP210, Eelbeck Field, IVO 16S GA 1150 9185

Amount, Description, Location of Disturbance/Digging:

no digging will be required

Number of Personnel:

None

Type of Ammunition:

See Project Description Live

Number/Types of Trees:

none

Size of Project Area: N/A

Duration of Action: Start: 4/16/2013 Stop: 9/30/2013

Proponent: Jay.Dochnahl 706-545-0499

Organization/Unit: 3/75th RR

Number/Types of Vehicles:

3x AH-6, 1 Fuel Truck, 2GSA, 2VAN, 2GMV

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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."

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REC APPROVED THROUGH 30 SEPTEMBER, 2013

Natural Resources - RCW Conditions: **Michael Barron (706 544 7080), 4/2/2013**

See attached conditions. Note locations of red-cockaded woodpeckers (RCW) and gopher tortoises on attached maps. Training restrictions apply. Off road vehicle maneuvers are limited in some areas - please read attachments carefully. There must be no damge to or destruction of any pine trees in the requested areas. 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).

Noise Conditions: **Ellis Leeder (706 545 2400), 4/8/2013**

This is training operations that must be conducted. If there is any noise complaints received, the Environmental Management Division Installation Operational Noise Monitoring Program (IONMP) and or Public Affairs Office (PAO) programs will investigate 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 the fly friendly program avoiding no fly zones. Please follow good smoke management practices not allowing smoke or dust to travel off Installation boundary into public areas or roads. Please increase distance between vehicles when dust conditions are extreme, see Table 5-3. CS gas use should be utilized in designated areas only, contact Range Control for a listing of approved sites. If any assistance or a copy of MCoE Regulation 350-19 or the IONMP noise plan is needed for review, please feel free to contact Ellis Leeder at 706.545.2400 or email ellis.p.leeder.civ@mail.mil or visit the Range Control Website for the updated version of MCoE Regulation 350-19

EMD Number: 1309205 **IJO#** **Project Title:** Fire Support Coordination Exercise, FSCX

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Cultural Resources - Archeological **None** **Edward Howard (706 545 1898), 4/3/2013**

CWA - Training Conditions: **Leah Ropski (706 626 0492), 4/2/2013**

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

General SPCC Requirements: Ensure all hazardous materials are properly storage to prevent spill/discharges, to meet safety requirements for storage, and that containers are not exposed to the weather. Have adequate spill response supplies available during exercise for any spills that may likely occur. Use drip pans under vehicles and provide secondary containment for any fueling activities and hazardous material/waste storage. Locate all refueling operations and storage of hazardous materials/waste away from waterways and sensitive areas. See attached section on prevention procedures and CHECKlist (Example Unit/Activity SOP for Training and Deployment) 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 attached Unit/Activity SOP for Training and Deployment and Refueling documents with recommendations during training exercise. For refueling, maintenance and/or hazardous material/waste storage areas - recommended a distance of approximately 100 (30 meters) from any water ways.

Hazardous Materials/Waste Conditions: **Ted Williams (706 545 7579), 4/2/2013**

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.

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. 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 -5-8, Jul 2010.

Rubbish, empty containers and other waste (including used smoke canisters) should 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. Contact POC below for any questions or additional guidance.

Signature John E Brown

John E Brown
NEPA Program Manager
Date 8 APR 2013

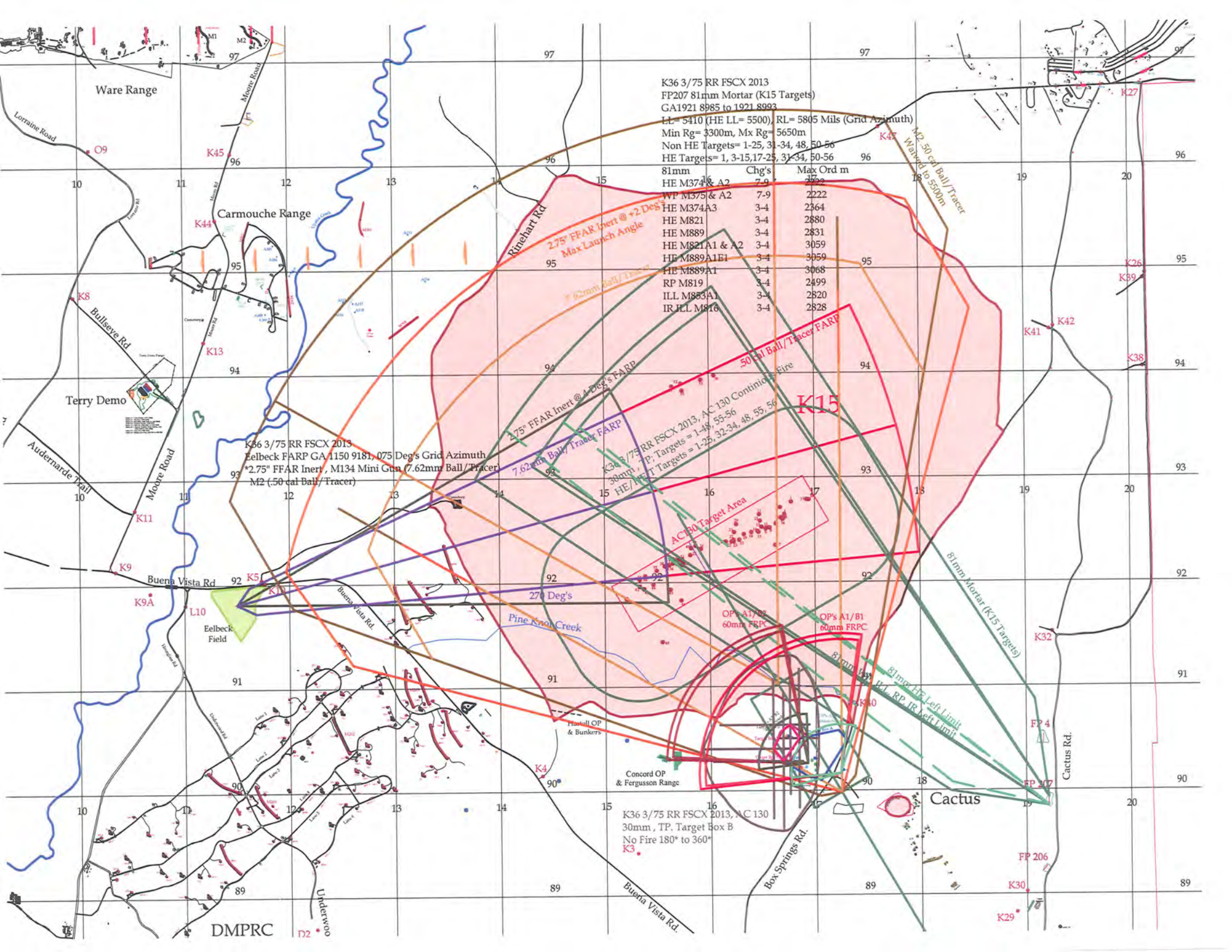
Signature Christopher Hamilton

Christopher E. Hamilton, PhD
EPMB Chief
Date 9 Apr 13

Kilo 36 3/75 FSCX Log #2-13-13 Roadblocks 1 March 2013

#	GRID	LOCATION	TYPE
K-2	GA 163 883	Across Box Springs Rd 125m N. of its intersection with Buena Vista Rd.	Gate
K-3	GA 153 894	Across entrance road leading to Concord OP 250m N. of its intersection with Buena Vista Rd.	Gate
K-4	GA 144 901	Across entrance road leading to Hartell Bunkers 50m N. its of intersection with Buena Vista Rd.	Gate
K-5	GA 117 920	Across Shamanski Rd 25m N. of its intersection with Buena Vista Rd.	Gate
K-8	GA 099 947	Across Bulls Eye Rd 50m E of its intersection with Lorraine Road.	Gate
K-9	GA 103 921	Across Buena Vista Rd 40m E of the intersection with Moore Rd (Road Guard Location)	Gate
K-9A	GA 106 919	Across tank trail 200m W of the Upatoi Creek ford site.	Gate
K-10	GA 118 920	Across Buena Vista Rd at K-5 road block.	Gate
K-11	GA 105 927	Across Moore Rd 20m N. of its intersection with Audernarde Trail. Entrance to Terry Demo Rng. (Road guard location)	Gate
K-12	GA 104 988	Across Old Lorraine Road 600m S of the tower on Brooks Range.	Gate
K-13	GA 112 943	Across Moore Rd 680m N. of its intersection with Bullseye Rd.	Gate
K-14	GA 113 998	Across Moore Rd 10m S. of its intersection with Lorraine Rd.	Gate
K-15	GA 114 999	Across course road leading out of Ruth Range 50m E. of its intersection with Moore Rd.	Gate
K-16	GB 190 003	Across Rinehart Rd 130m W. of its intersection with Box Springs Rd.	Gate
K-16A	GA 172 989	Across Rinehart Rd 20m S. of its intersection with the northern boundary range road.	Gate
K-16B	GA 171 990	Across un-named trail 20m S. of its intersection with the northern boundary range road.	Gate
K-17	GB 116 013	Across unnamed trail 15m E. of Moore Rd and 300m N. of Ruth Range tower.	Gate
K-19	GB 121 023	Across unnamed trail 220m N-E. of Oscar Range Complex Road and 30m S of the northern boundary range road.	Gate
K-20	GB 141 021	Across unnamed trail 550m S of the northern boundary range road.	Cable
K-21	GB 136 027 (Proposed)	Across the northern boundary range road at Cox Creek bridge.	Gate
K-26	GA 201 949	Across Boundry Road 1800m S of its intersection with Turrentine Road	Gate

#	GRID	LOCATION	TYPE
K-27	GA 201 968	Across Turrentine Rd 10m W. of its intersection with Boundary Rd.	Gate
K-28	GA 191 885	Across Whitson Rd 15m W. of its intersection with Cactus Rd.	Gate
K-29	GA 189 888	Across un-named trail on left side of Cactus Range 300m W of Cactus Road	Gate
K-30	GA 190 890	Across un-named trail on right side of Cactus Range 250m W of Cactus Road.	Gate
K-32	GA 192 915	Across Shamanski Road 35m W of its intersection with Cactus Rd.	Gate
K-36	GA 163 883	Across Buena Vista Rd 50m W. of its intersection with Box Springs Rd. (Road guard location).	Gate
K-36A	GA 163 882	Across Tank Trail 50m W. of its intersection with Box Springs Rd.	Gate
K-38	GA 201 941	Across unnamed trail 35m W. of its intersection with the east boundary road. Permanently closed.	Gate
K-39	GA 202 949	Across unnamed trail 15m W. of its intersection with the east boundary road. Permanently closed.	Gate
K-40	GA 174 908	Across Box Springs Rd 30m S. of Pine Knot Creek.	Gate
K-41	GA 192 944	Across Kennesaw Trail 30m W. of its intersection with Box Springs Rd.	Gate
K-42	GA 193 944	Across Box Springs Rd 10m N. of its intersection with Cactus Rd.	Gate
K-43	GA 203 978	Across the northern boundary range road approx 20m N-W. of the old Hastings Range upper baseline.	Gate
K-44	GA 113 955	Across Moore Rd on the N. side of Carmouche Range maneuver box.	Gate
K-45	GA 115 961	Across Moore Rd 300m S. of its intersection with the old Ware Range course road.	Gate
K-46	GA 119 979	Across Moore Rd 725m S. of its intersection with Americo Trail	Gate
K-47	GA 176 963	Across Turrentine Rd 1000m W. of mover 4 on Hastings Range	Gate
K-50	GA 195 988	Across Box Springs Rd 60m N. of its intersection with the northern boundary range road.	Cable
L-10	GA 110 918	North on Hourglass road from Buena Vista road. 175 meters past tank trail.	Gate
D-1	098 878	On Hourglass road, 700 meters north of 1st Division Road	Gate
D-2	122 887	On Underwood road approximately 900 meters north of Underwood and Plymouth road intersection	Gate


K36 3/75 RR FSCX 2013
FP207 81mm Mortar (K15 Targets)
GA1921 8985 to 1921 8993
LL= 5410 (HE LL= 5500), RL= 5805 Mils (Grid Azimuth)
Min Rg= 3300m, Mx Rg= 5650m
Non HE Targets= 1-25, 31-34, 48, 50-56
HE Targets= 1, 3-15,17-25, 31-34, 50-56
81mm Chg's Max Ord m
HE M374 & A2 7-9 2722
WP M375 & A2 7-9 2222
HE M374A3 3-4 2364
HE M821 3-4 2880
HE M889 3-4 2831
HE M821A1 & A2 3-4 3059
HE M889A1E1 3-4 3059
HE M889A1 3-4 3068
RP M819 3-4 2499
ILL M853A1 3-4 2820
IR ILL M816 3-4 2828
K15
K36 3/75 RR FSCX 2013
Eelbeck FARP GA 1150 9181, 075 Deg's Grid Azimuth
*2.75" FFAR Inert , M134 Mini Gun (7.62mm Ball/Tracer)
M2 (.50 cal Ball/Tracer)
2.75" FFAR Inert @ +2 Deg's Max Launch Angle
2.75" FFAR Inert @ 4 Deg's FARP
7.62mm Ball/Tracer FARP
.50 Cal Ball/Tracer FARP
M2 .50 cal Ball/Tracer Warned to 5500m
K36 3/75 RR FSCX 2013, AC 130 Continious Fire 30mm , TP, Targets = 1-48, 55-56 HE/PD/T Targets = 1-25, 32-34, 48, 55, 56
AC130 Target Area
270 Deg's
81mm Mortar (K15 Targets)
81mm HE Left Limit
HE, RP, IR Left Limit
OP's A1/B2 60mm FRPC
OP's A1/B1 60mm FRPC
K36 3/75 RR FSCX 2013, AC 130 30mm , TP. Target Box B No Fire 180° to 360°
Ware Range
Carmouche Range
Terry Demo
Eelbeck Field
Pine Knot Creek
Concord OP & Fergusson Range
Hartell OP & Bunkers
Cactus
DMPRC
Moore Road
Rinehart Rd
Bullseye Rd
Audernarde Trail
Buena Vista Rd
Box Springs Rd.
Cactus Rd.
Underwood
Lorraine Road
K45
K44
K8
K13
K11
K9
K9A
K5
K10
L10
K4
K3
K27
K26
K39
K42
K41
K38
K32
K40
FP 4
FP 207
FP 206
K30
K29
O9
D2