



MCoE Range Deconfliction Working Group

V2

24 Jan 2012

**Bob Brown
Dir DPTMS
Dep G-3**



Roll Call



- TRADOC
 - 192nd IN
 - 197th IN
 - 194th AR
 - 198th IN
 - 199th IN
 - 316th CAV
 - RTB
 - NCOA
 - USMC
 - MBL
- Tenant Units
 - 3-3rd HBCT
 - 13th CSSB
 - 75th Rangers
 - 3-75th Rangers
 - 75th RSTB
 - 14th CSH
 - 11th Engr Bn
 - 789th OD Co
 - USAMU
 - WHINSEC
 - WTC (ARNG)
 - DHS
- Staff
 - Range Opns
 - Safety
 - DOTS
 - DPW
 - EMD
 - Work Orders
 - DOL
 - DES
 - G-33/35/37
 - In Dep Cmdt
 - AR Dep Cmdt



Agenda



- Range Manning & Funding
- Training Lands Sustainment
- Range/TA Utilization
- Range Sponsorship Program
- Range/TA Update
 - Oscar Range Complex
 - GHMTA
 - Late/New Range Survey Requirements
 - Range Incidents / Lessons Learned
 - AT HE Munitions Challenges
- Big Gun Calendar 2Q & 3Q FY12
- Last Rounds



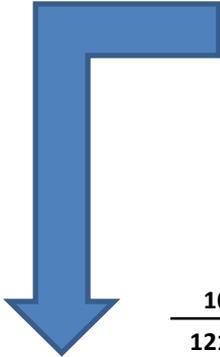
Range Manning & Funding



<u>REQUIREMENTS/AUTHORIZATIONS</u>	
MILITARY:	0 / 0
CIVILIAN:	90 / 90
CONTRACTOR:	31 / 31
<u>CURRENT ON-BOARD STRENGTH</u>	
MILITARY:	0
CIVILIAN:	90 + 2 OCO TERM
CONTRACTOR:	16

Critical Vacancies:

1. GS-13 Range Officer
2. GS-12 Site Supv/COTR (DMPRC)
3. 3 x WG-9 EER Leader men
4. GS-12 IT Tech
5. GS-07 Radio Controller
6. GS-05 Safety Tech



$\frac{108 \text{ assigned}}{121 \text{ authorized}} = 90\% \text{ capable}$

Funded in 45-60 day increments ... cannot project OT

FY12 Funding			
Req	Actual	Payroll	PR % of Actual
\$13,377.2	\$9,316.0	\$6,225.0	67%



82 ranges, 300 training areas, & +300 miles of maneuver trails over 100K acres in support of +100 daily range/training lands events.

- Man only 2 x 8-hr firing desk/radio controller shifts (vice 3) (impact: units must adjust day and/or night LFXs to 16-hr duty days x 5 days weekly)
- Man only 2 x 8-hr target systems shifts (vice 3) (impact: deferred maintenance of 2,000 PERM targets + 600 portable + 450 battlefield effects = increased range down time to repair/restore targetry)
- Man only 2 x 8-hr safety patrols (vice 3) (impact: reduce safety patrols to high risk events only (Impact: inspect only 500 of 3,000 events monthly = increased safety risk)
- **Mitigation action plan:** Use S3U from tenant units to man selected small arms ranges (limited to BRM/ARM & selected POIs) (impact: Soldiers required to man for all RFMSS units ... not available for other unit missions)

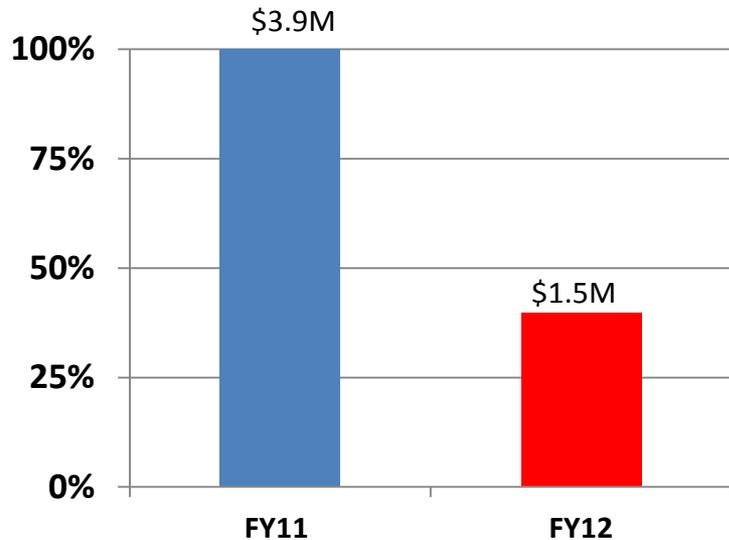


Training Lands Sustainment



Description: ITAM provides for the in-house & contract labor, equipment, & materials to support the maintenance, repair, & reconfiguration (minor construction) of maneuver trails, maneuver damage on live fire ranges, turn pads & road crossings, and steam/wetlands low water crossings

Funded to 38% of FY11



RISK: Very high risk if critical shortfall not funded.

Critical Shortfalls:

1. Civ Pay Shortfall = \$60.3K
2. LRAM Contracts Shortfall = \$12,835.8K
Total \$12.896.1K

FY 12 Efficiencies:

1. Freeze FY13 TDA manpower growth = \$135K
2. Incrementally fund LRAM teams = \$,954K per LRAM team (on board 1; require 3)

Challenges:

1. FY13 Hire Actions (IMCOM Hire Freeze)
 - Authorized: 2 DACs + 3 CMEs. OBS = 0. **No in-house staff to manage/coordinate program**
2. Good Hope MTA (2,920 acres / 63 miles of roads/trails)
 - Incomplete BRAC MILCON project; GHMTA Erosion Control MILCON (PN80148) requires additional \$28M
 - Only Benning TA capable of supporting Armor BOLC POI mounted maneuver training
 - Armor School is scheduled to begin using in Apr 2012, but delayed to Jul 2012. Impacts ~730 AR 2LTs annually
3. BRAC 2005 Range Growth ("More with less")
 - Added 19 new ranges ... 6 new maneuver training areas ... 140 miles of new roads & trails



Red = No Shows (1,334)
 Purple = Cancellation (390)
 Green = Utilized (8,658)
 Yellow = Scheduled (9,992)

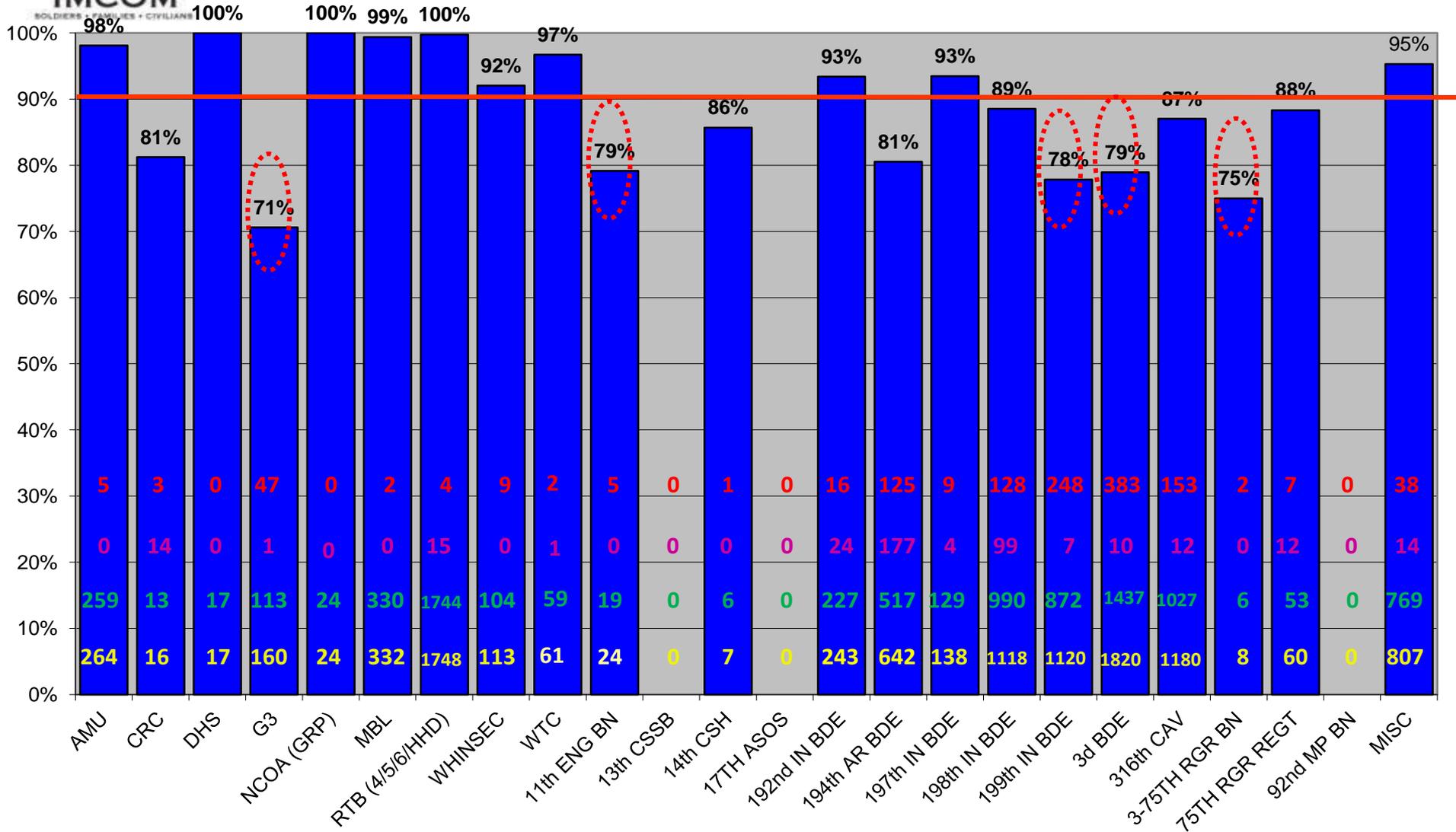
RFMSS (NOV 11)



87% Overall Utilization

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SOLDIERS + FAMILIES + CIVILIANS





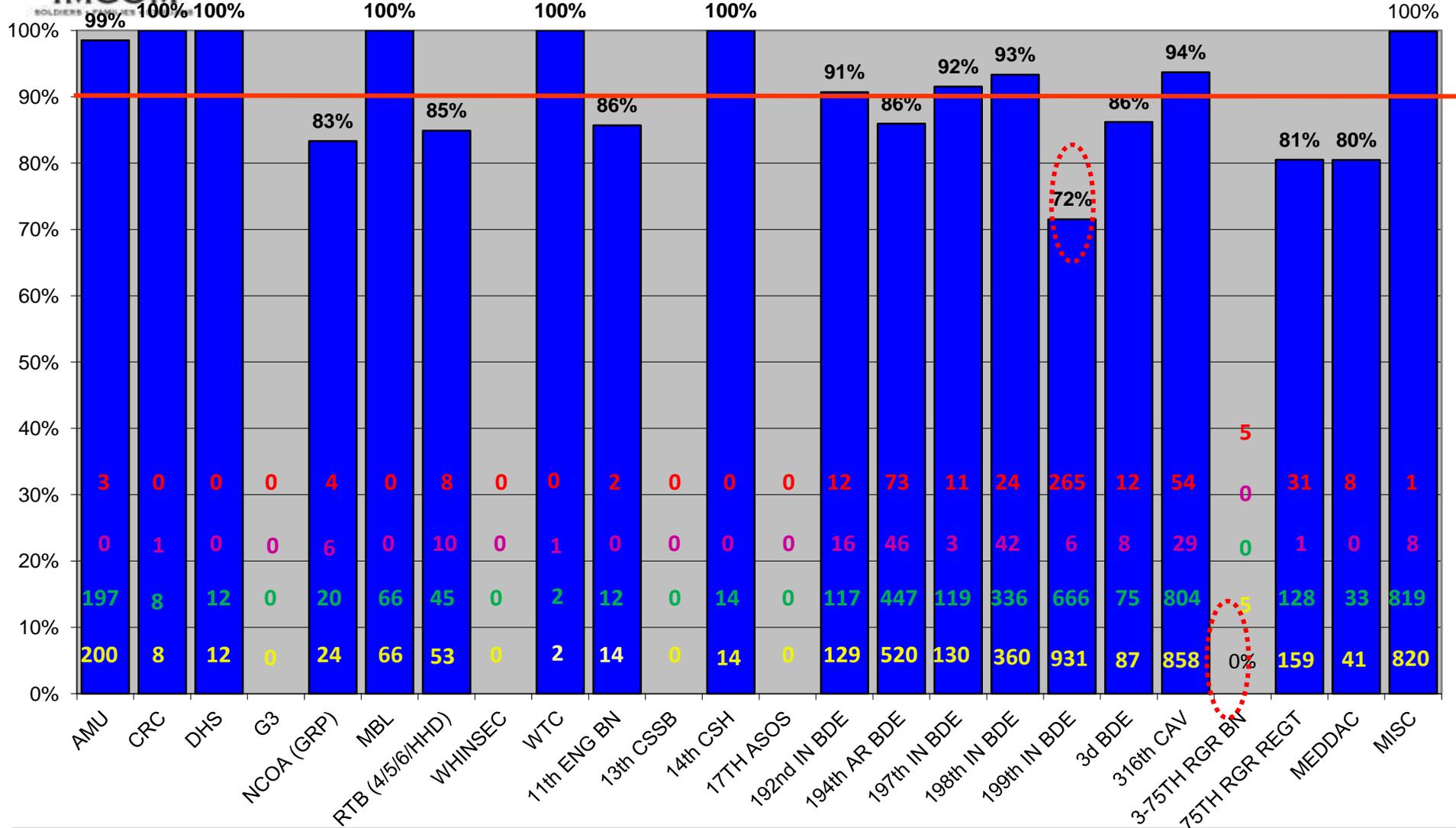
Red = No Shows (621)
 Purple = Cancellation (177)
 Green = Utilized (3,902)
 Yellow = Scheduled (4,523)

RFMSS (DEC 11)



86% Overall Utilization

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SOLDIERS SUPPORT SERVICES



Heavy Range LFX: Scheduled (64) / Utilized (63)

Small Arms Range LFX: Scheduled (299) / Utilized (297)



RFMSS Priorities



... based on MCoE 1-n Resources

1. CRC Operations & Tenant Units in ARFORGEN

reset/train cycle:

- CRC Bn
- ARFORGEN tenant units (as required)

2. Leader Development:

- 316th AR BOLC
- 199th IN BOLC
- NCOA WLC/ALC
- 197th Stryker Ldr Course
- RTB Ranger
- 316th & RTB ARC/RSLC/Cav Ldr Course

3. Initial Military Training:

- 192nd BCT
- 198th OSUT
- 194th OSUT (includes USMC AR

Crewman)

- 194th MGS
- 199th OCS
- 199th Basic Airborne Course
- 194th 91A/M AIT (includes USMC AR

Maintainer)

- 194th Stryker Crewman
- 199th DCC

4. Concepts & Capabilities Integration:

- MBL Experimentation & Exercise Support
- 197th EXFOR

5. Functional Training:

USMC)

- M1/BFV/MGS Master Gunner (includes
- USMC Assault Breach Veh Crewman
- Pathfinder
- IMLC
- Jumpmaster
- Sniper
- Mech Ldr Course
- MGS Cdr
- SUAS
- SBCT Master Trainer
- SUGV Instructor
- M1 Commander's Course
- Heavy Weapons Ldr Course
- M1/BFV NETT

6. Human Capital Enterprise:

- HOTEX

7. Army Training & Learning Concepts:

8. Doctrine:



Business Rules



- Packets submission timelines will now be worked in the order they are submitted (first come – first served) unless otherwise directed/approved by the MCoE G-3 or Director DPTMS. Units are responsible for ensuring their range packets are planned & complete before submission. *Purpose: efficient use of Range staff available time & manpower (survey & scheduling).*
- Scheduling of ranges/facilities will no longer be authorized unless the unit has a valid training packet on file. Unit training requests must match the training request on file (weapon systems & ammo to be fired for the desired range/facility and desired training tasks/events). *Purpose: efficient scheduling of available ranges & Range manpower to service the range.*
- Range requests must detail gun/firing timelines for each day of range occupation/execution. Failure to provide this will result in the request being disapproved & returned to the unit. Units must be efficient in their planning for our range resources. *Purpose: efficient scheduling of available ranges & Range manpower to service the range, and support required environmental mitigations/checks on adjacent ranges/training areas.*
- RFMSS will be locked at 4-weeks prior to execution. Range Operations will not accept requests within 4 weeks of execution. The only change allowed will be a Cdr's request for cancellation. Range Operations must develop a work plan for its reduced staff & notify the Unions of this work plan a min. 7 days in advance of execution. *Purpose: efficient use of Range staff available time & manpower (survey & scheduling).*



Range Sponsorship Programs



(... in revision as Annex B, MCoE Reg 350-19)

- Manning available & ready
- Responsibilities by activity
- Procedures in place/understood
- Equipment required
- Support vehicles
- Training required
- Timelines for execution



Oscar Range Complex



as of 12 Jan 2012

PROJECT #	NAME	TYPE	N.O.T. STATUS	TARGETRY	PROPERTY TRANSFER BACK TO RNG DIV	RNG SURVEY STATUS	TRAINING PACKET STATUS	PROJECT D OPENING DATE
65036	Daniel Lee (OSCAR 1)	ZERO	Complete	NA	YES/194th	100%	Complete	1-Mar-12
65049	Call (OSCAR 2)	MRF	Complete	Complete	YES/194th	100%	Working	1-Apr-12
65043	Copple (OSCAR 3)	MRF	Complete	Complete	YES	100%	Working	1-Apr-12
65035	Davis (OSCAR 4)	ZERO	Complete	NA	YES	100%	Working	1-Apr-12
65032	Morris (OSCAR 5)	FMR	Complete	Complete	YES/194th	100%	Working	TBD
65044	McBryar (OSCAR 6)	MRF	Complete	Complete	YES	100%	Working	1-Apr-12
65045	Fowler (OSCAR 7) LOMAH	MRF	Complete	1 Apr - 30 May 12	YES	60%	Working	TBD
65039	Butler (OSCAR 8)	ZERO	Complete	NA	YES/194th	100%	Complete	1-Mar-12
65047	Pulaski (OSCAR 9) LOMAH	MRF	Complete	1 Apr - 30 May 12	YES	50%	Working	TBD
65037	Deitz (OSCAR 10)	ZERO	Complete	NA	YES/194th	100%	Complete	1-Mar-12
65046	Steindam (OSCAR 11)	MRF	TBD	Complete	YES	50%	Working	TBD
65048	Baum (OSCAR 12)	MRF	Complete	Complete	YES/194th	40%	Working	1-Apr-12
65038	Soto (OSCAR 13)	ZERO	Complete	NA	YES	100%	Complete	1-Mar-12
65034	Booker North (OSCAR 14)	FMR	TBD	Complete	YES/194th	40%	Working	TBD
65033	Pool North (OSCAR 15)	FMR	TBD	Complete	YES/194th	40%	Working	TBD
65078	Coolidge	LAAR	Complete	Mover Complete	TBD	50%	TBD	TBD
64551	Hastings	MPTR	TBD	1 Jan - 30 Mar 12	TBD	0%	TBD	TBD



Good Hope MTA



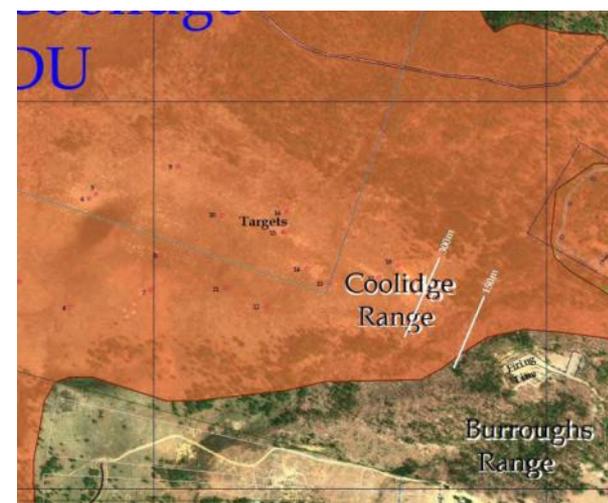
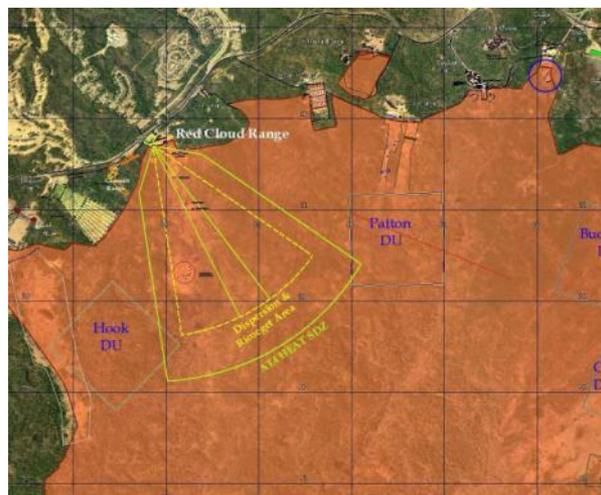
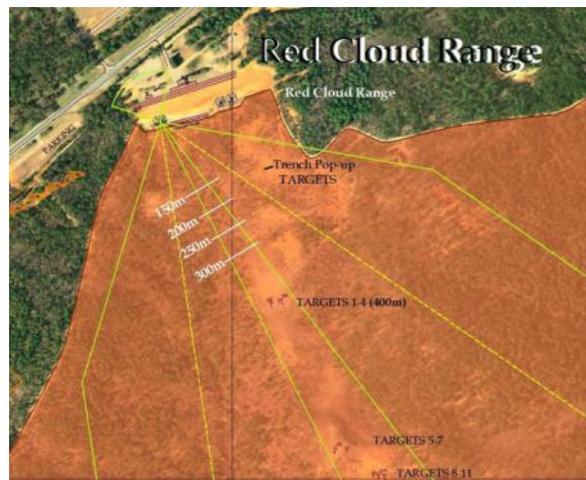
- **Issue:** Full turnover of AO Company South (and rest of Good Hope) is not expected until late Jun – mid-Jul 12 (weather dependent)
- **Discussion:**
 - USACE supports use by wheeled vehicle training (HMWVs & Strykers) in AO East and AO Center under the following restrictions:
 - Must stay on tank trails and only turn off at designated points into the maneuver box (rock turn offs - will remain in place after construction as stabilization)
 - Must stay on tank trails when transiting and not disturb grassing areas
 - Must have safety vests when stopped on tank trail or when near tank trail
 - Must not impede construction traffic
 - USACE is working with Armor School to limit any maneuver damage to the construction
 - There has been minor damage, but the contractor is willing to repair in order to turn these areas over
 - Once tank trails are partially turned over to DPW, then any damage to the tank trail after that point is not the contractor's responsibility to repair
- **Way Ahead:**
 - No tank maneuver training in Good Hope until full NOT is received for each area
 - Restrict use to Armor School wheeled maneuver only in AO East and AO Center; shift to AO South after 1 Mar 12

AT-4 / BDM HE Firing



BLUF – (1) have no suitable range to modify to support AT HE munitions; (2) have limited options for suitable ground; and (3) lifting of DU restrictions will resolve challenges

- **Red Cloud**
 - No targetry within effective range (400-meters down range)
 - DU boxes on both sides of this range / severely inhibits any live HE firing
- **Duke**
 - DU box in middle of range ... inhibits any live HE firing
- **Patton**
 - DU box in middle of range ... inhibits any live HE firing
- **Coolidge**
 - DU box in middle of range ... inhibits any live HE firing
 - Range does not support any targetry within the required range bands
- **CACTUS**
 - DU box in middle of range ... inhibits any live HE firing





Misc Range Actions



- **Road marches & vehicle convoy movements**
 - Scheduled/approved through Range Opns (Safety Issue)
- **Oscar zero ranges**
 - Limited to AR School POIs
 - All range requests validated by DCO 194th working ICW Cdr 3-81th
- **Coursen West**
 - Closed for construction of new MWR shooting facility (~180 days)
- **Malone 17**
 - Open & RFMSS available with standard range packet posted
- **Hastings Range**
 - Target installation dates projected for 1 Apr – 1 May 12
 - Project availability o/a 1 Jun 2012 pending weather delays and successful GAT
 - Work is on-going on the northern road; projected completion date is 31 Mar 12 pending weather delays.
- **CACTF Phase 2**
 - Pine Tree Road area for the HSTL/CACTF Phase II began construction on 1 Sep 10 for 520 days
 - Segments of Pine Tree road will be closed to all traffic for roadway construction
 - Impacts planning for Selby CACTF during this construction window.



New Range Packets



... Occupying Survey Tm Expertise

- Oscar Range Complex (15 Ranges) (194th AR) ****DPTMS Not Funded or Manned****
 - Required: 1 Apr 12
 - Delivered: Ongoing
- AVB MICLIC (3-3rd HBCT) ****DPTMS Not Funded ... inside 4 weeks****
 - Required: 8-10 Feb 12
 - Delivered: 20 Jan 12
- Best Ranger Competition (RTB) ****DPTMS Not Funded****
 - Required: 26 Mar - 16 Apr 12
 - Delivered: Pending
- Sullivan Cup Competition (316th Cav) ****DPTMS Not Funded****
 - Required: 7-11 May 12
 - Delivered: Pending
- 3-75th Collective Live Fires (3-75th)
 - Required: 16-27 Jul 12 & 7-14 Aug 12
 - Delivered: Pending
- Petry Challenge Competition (IN School) ****DPTMS Not Funded****
 - Required: 14-17 Sep 12 or 18-21 Sep 12
 - Delivered: Pending
- Revised POIs (Various)



Incidents / Lessons Learned

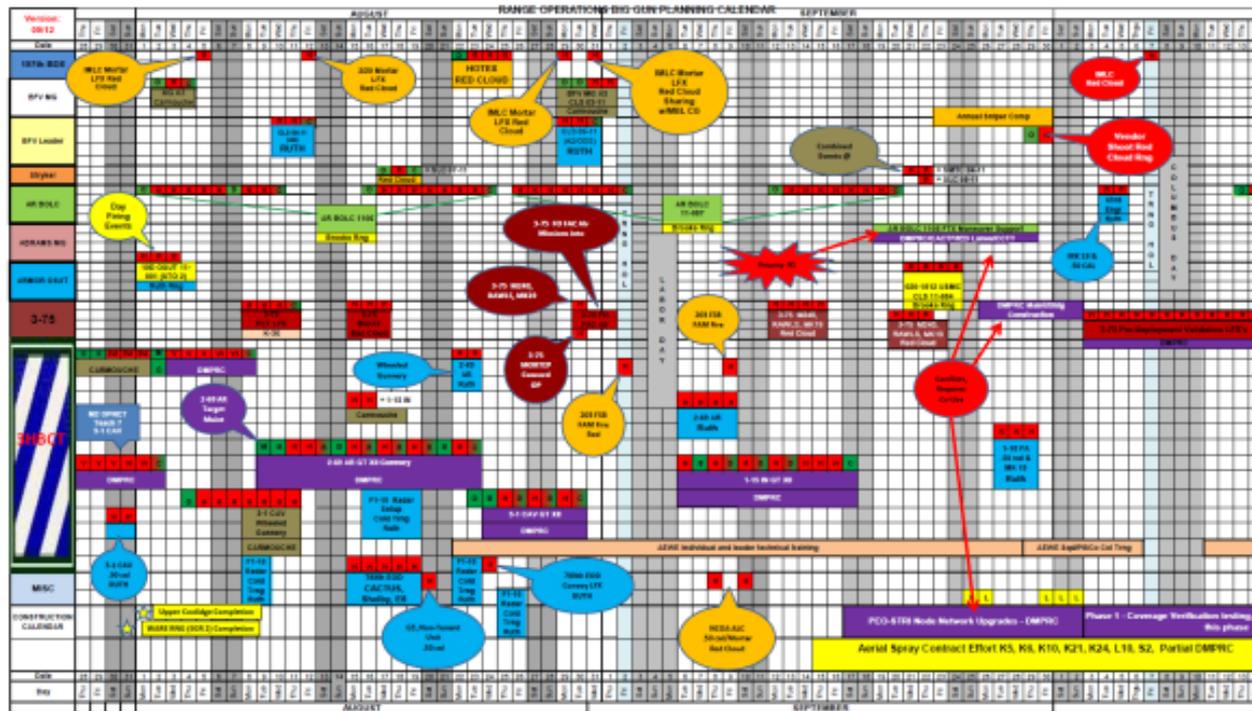


- Occupying TAs without approval
 - Construction areas
 - Assumptions re: facilities in TAs
- Unreported dud rounds
 - 120mm left in dud pit
- Civilians on ranges/TAs without approval
 - Spouse/family members
 - Auburn engineering students
 - Local community reps
- Accidental discharges
 - Barrel implosion/weapon damaged
- Live ammo mixed with blank
 - Soldier injured
- Track vehicles on admin roads
 - Limited to tank trails
 - Safety measures



Big Gun Calendar

- See attached hand out
- Validate 2Q FY12)
- Review 3Q FY12)





Last Rounds



- RFMSS no shows (goal is >90% utilization)
- Facilities in TAs (scheduled separately in RFMSS)
- Range funding & manning
 - Increased cost passing
- Davey Crockett DU Restrictions
- New/Revised/Consolidated POIs
- 3-3rd HBCT Deployment Gunnery (ARFORGEN priority)



Links



- **RANGE OPERATIONS WEB SITE**
<https://www.benning.army.mil/rangeops/>
- **Range Safety Training:**
<https://www.benning.army.mil/rst/>
- **144R Submission Site:**
<https://benna0shrpt6/form144/User.aspx?>
- **RFMSS Site Link:**
<https://rfmss.benning.army.mil/benning/Pages/Login.aspx>
- **SGS Portal for Policy Memorandums and such:**
<https://benna0shrpt2/sites/sgs/default.aspx>
- **MCoE Administrative Publications Link:**
<https://benna0shrpt2/sites/pubs/default.aspx>



Questions?

**Next Range Deconfliction WG
Tue/ 28 Feb 2012, 1300-1500 hrs
B-4, W-105**



Tactical Roads Speed Limits



MAXIMUM SPEEDS FOR TACTICAL ROADS AND LIMITATIONS

IAW MCOE REGULATION 350-19, PARA 5-14

Type Vehicle	Limitation	Maximum Speed
Wheeled Vehicle	Unless otherwise posted	30 mph
Tracked	Not in convoy	25 mph
Lead vehicle	Convoy	20 mph
Other vehicle	Convoy	25 mph
Convoy	Crossing bridges	5 mph
Wheeled Tracked	Passing troops	10 mph
	Blackout	5 mph
Distance between vehicles must be not less than 100 meters.		
Distance must increase for dust conditions.		

NOTE: All roads used in support of training (including tactical road marches) must be scheduled in the same manner as training areas.



Road March/Convoy Movements



- All vehicle movement routes used in support of training (including tactical road marches) must be **scheduled and approved** in the same manner as training areas through Range Operations/RFMSS and must have an **OIC/Controller in charge of movement**.
- Tracked vehicle convoy movements/road marches of 3-vehicles or more require a **lead and trail vehicle spaced a minimum of 100-meters from the front and rear** of the convoy as early warning. These lead and trail vehicles must be military or GSA vehicles, civilian POVs are not authorized.
- All vehicles will have service drive lights turned on as well as **4-way hazard flashers** during movement travel.
- Lead and trail vehicles for convoy movements are required to have roof mounted flashing amber warning light array again for early warning.



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Crossing Roads



- During daylight and darkness hours, units will be required at appropriate points to **control and re-direct administrative traffic** during vehicle road marches/movements. Appropriate points include administrative road intersections, tank crossing points, in-coming trail intersections, etc.
- Emplace **traffic guards approximately 100-meters to both sides** of any road crossing point to control and re-direct administrative traffic.
- Guards will be equipped with **flashlights or similar lighting devices and reflective vests** (or cross straps and sleeve lets).
- Guard emplacement should be on the **shoulder of the roadway** when attempting to attract and stop all on-coming traffic due to temporary road blockage for Safety purposes and NOT in the middle of the roadway.
- Upon completion of the crossing, unit is responsible for **cleaning the roadway of any dirt or debris**, before opening the roadway backup to normal administrative traffic.
- **Do not stop civilian traffic for longer than 5 minutes.**
- Units must establish and maintain communication with their major unit or Range Division to assist in handling of any emergencies that may arise.



Tank Trail Crossings with Primary Roads



- Minimum of 3 personnel + cleanup detail
 - OIC/Controller
 - 2 x Road Guards
- Equipment:
 - flashing amber warning light
 - reflective vest
 - cone flashlight
 - shovels and brooms
- Method
 - stand **well off of the side of the road** facing traffic
 - use arm and hand signals to stop traffic
 - OIC/Controller will regulate military traffic
 - do not stop civilian traffic for longer than 5 minutes
 - all crossings are administrative(service lights on)
 - upon completion remove dirt and debris from roadway



Black Out Drive



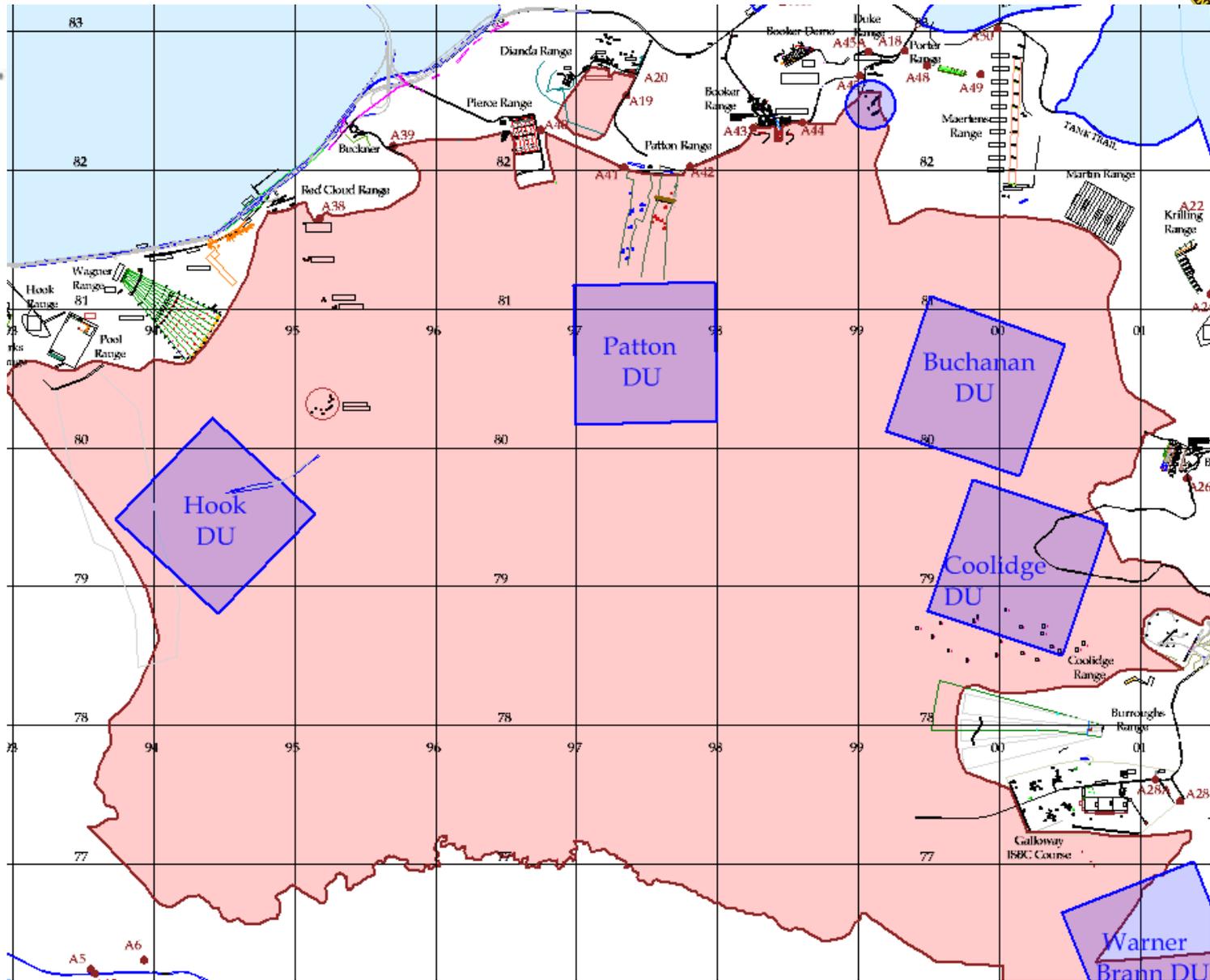
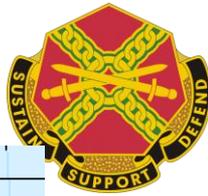
ROAD RESTRICTIONS

IAW MCOE REGULATION 350-19, PARA 5-14

- When roadblocks, craters, blackout driving, night observation device driving, CS, and so forth, are used in training, road guards will be positioned at appropriate points to control and re-direct administrative traffic.
- Road guards will be equipped with yellow or similar type traffic signaling devices.
- Emergency vehicles (ambulances, military police, and fire, to include forestry fire suppression vehicles) and Range Division personnel will be permitted through tactical roadblocks.
- Units conducting vehicle road marches must establish and maintain communication with their major unit or Range Division to assist in handling of any emergencies that may arise.

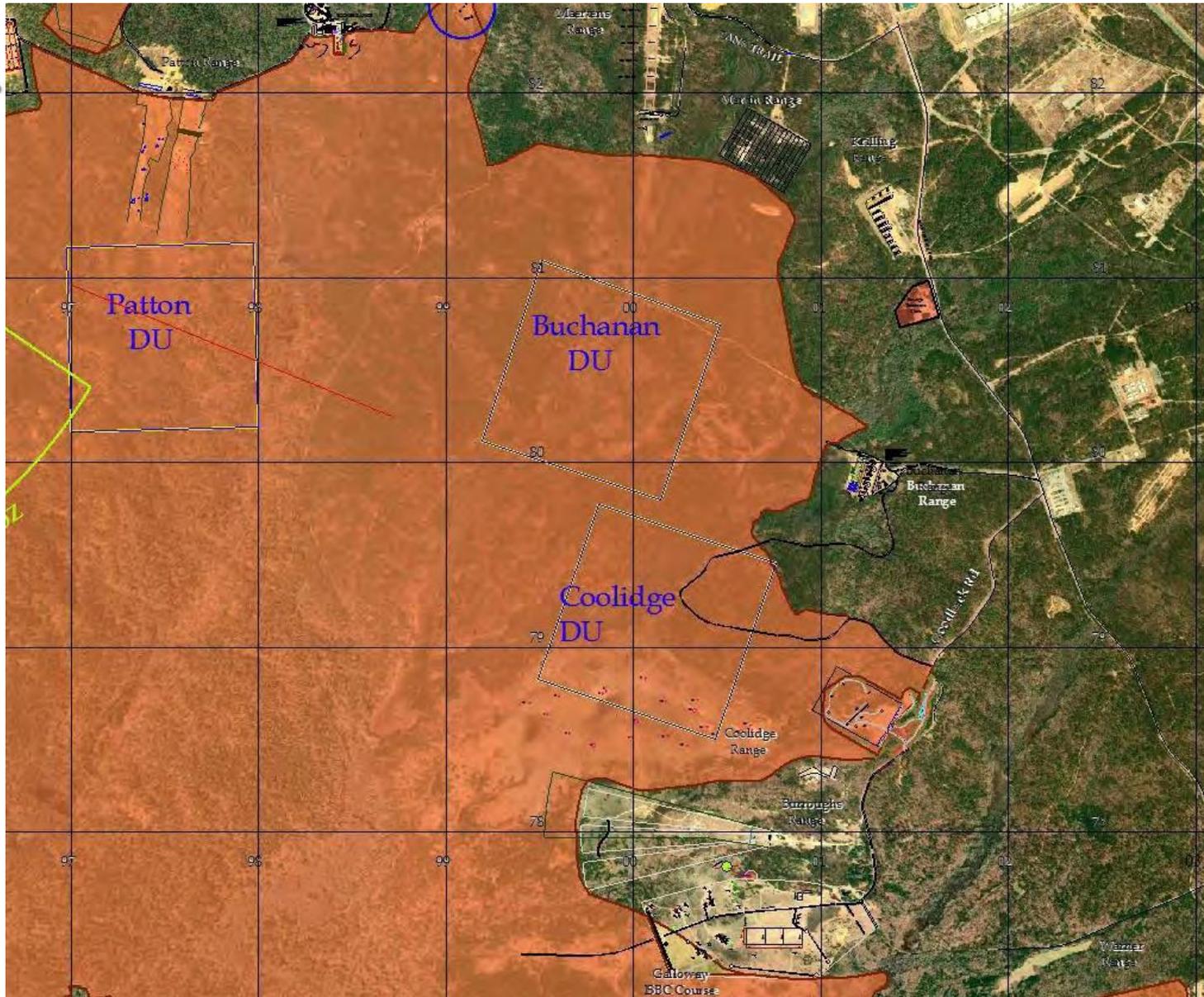


Davey Crockett DU



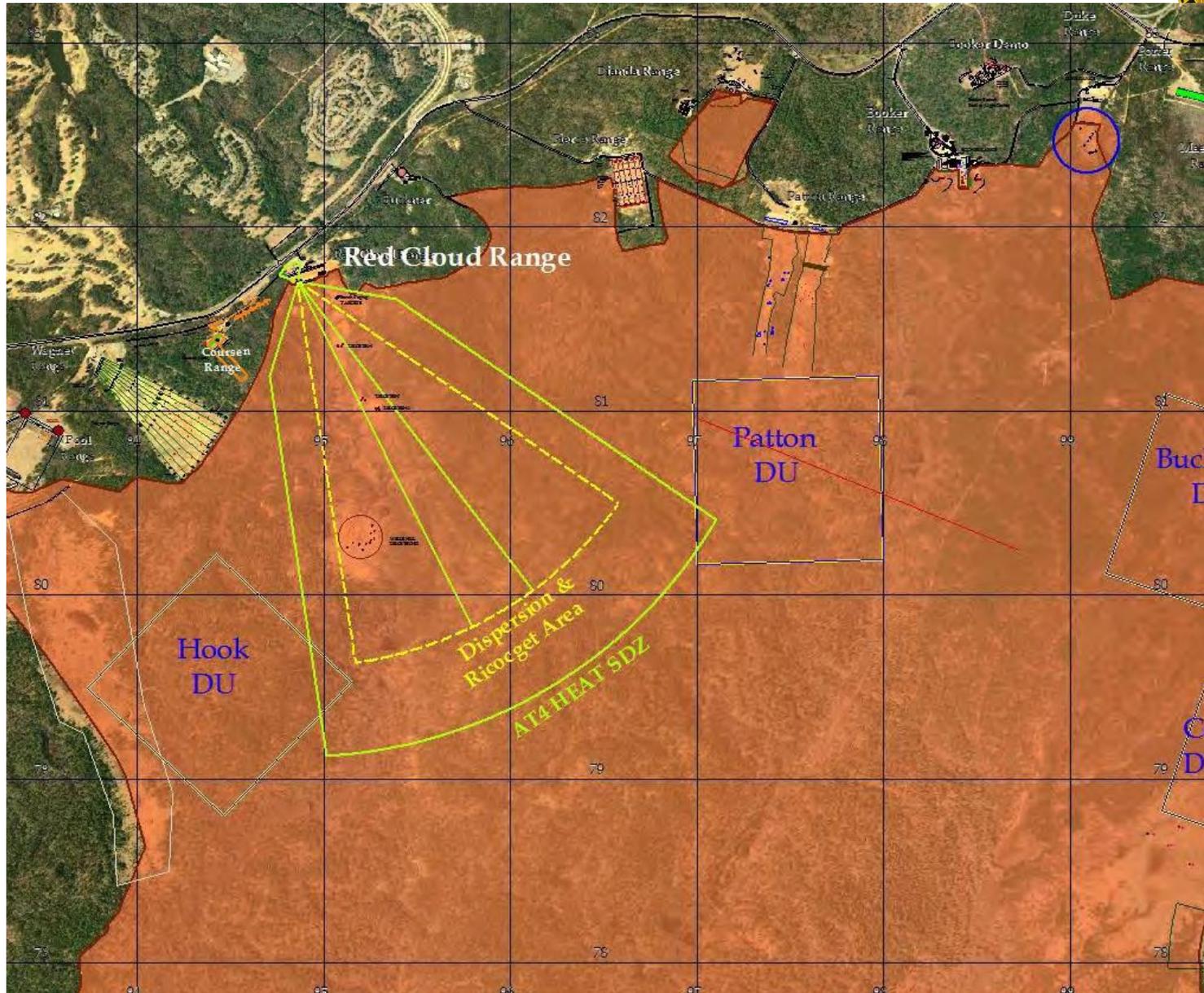


Davey Crockett DU





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