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Camp Ripley Training Center

26 AUG 2015

PURPOSE: To provide the National Commission for the Future of the Army an overview of Camp Ripley

**COL Scott St. Sauver
Garrison Commander**

Agenda

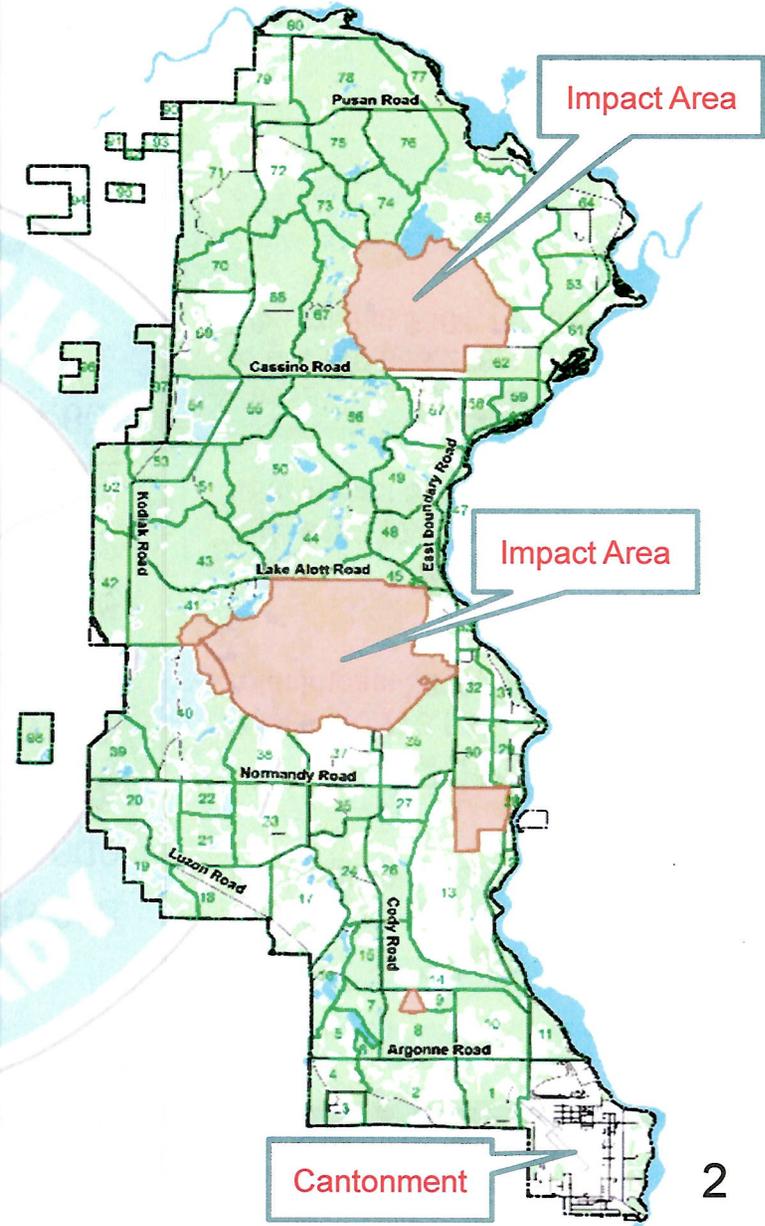


- CRTC Description and Classification
- Economic Impact
- CRTC Training Density
- Cantonment Capabilities
- Down Range Capabilities
- eXportable Combat Capability (XCTC)
- Sustainability
- Proposed Camp Ripley Projects

Camp Ripley Training Center



- 52,831 acres
 - 50,731 acres Range
 - 2,100 acres Cantonment
 - 6,380 acres Impact Areas
 - 1,811 acres Outside of Post Limits
- State Owned Property
- Three Biodiversity Zones
 - Prairie
 - Conifers
 - Deciduous
- 18 miles of undisturbed Mississippi River
- Level 2 Training Center (MTC-H)
- 45 live and 23 non-live fire ranges
- MANDAY utilization average 425,000





2014 Economic Impact

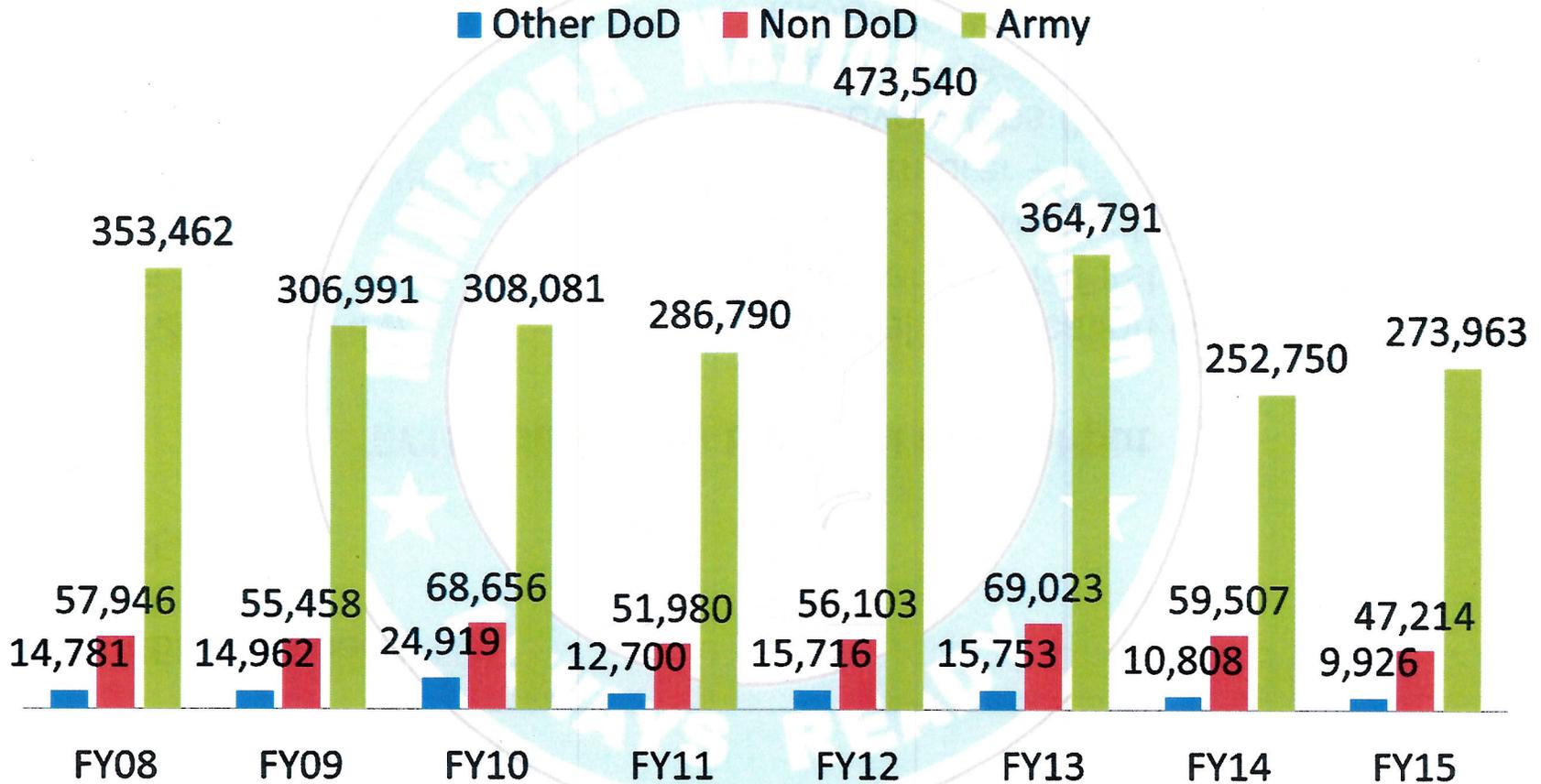
Payroll	\$ 65,915,908	2010 Total \$163,310,154 Total Impact \$352,602,953
DOD/Military Retirees	\$ 44,892,000	
Projects	\$ 25,306,135	2011 Total \$140,773,537 Total Impact \$303,944,144
Financial Assistance	\$ 163,850	
Local Contracts	\$ 1,905,332	
Utilities	\$ 2,139,776	
Food	\$ 2,541,802	2012 Total \$143,674,929 Total Impact \$310,208,539
Army Compatible Use Buffer	<u>\$ 3,450,000</u>	
Total FY14	\$ 146,314,803	2013 Total \$140,883,278 Total Impact \$304,181,085

FY14 Total Impact \$315,908,291

*Total Impact based on Multiplier index of 2.1591



CRTC Training Density





Regional Training Institute (RTI)

TY15: 858 (Trained YTD)

TY14: 760

TY13: 854

TY15 courses by type and throughput

OCS = 124 (1 USAR)

WOCS = 13

ALC 11B30 = 15

SLC Maneuver = 96 (8 USAR, 8 AC)

MOS-T 19D10 = 8

MOS-T 68W10 = 19

Combat Life Saver = 168

NREMT Refresher = 19

BLS Heart Saver CPR = 56

Army Basic Instructor Crs = 56

Small Group Instructor Crs = 14

Tactical Certification Crs = 13

Company CDR/First Sergeant Crs = 79

Equal Opportunity Leader Crs = 52

Unit Armorer = 4

Recovery Ops (W, T) = 41 (8 USAR, 2 AC)

MOS-T 91B10 = 25 (3 USAR)

MOS-T 91H10 = 12 (4 USAR)

ALC 91B30 = 8

ALC 91H30 = 10

SLC 91/94 = 26 (6 USAR, 1 AC)



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Multi-Component Training

Marines

- 471st Marine Wing Support Squadron
- Marine Aerial Refueler Transport Squadron 452 (VMGR-452)
- 4th Law Enforcement Battalion
- JR ROTC Marine Corps
- Marine REC COMM

Navy

- US Navy ROTC
- Sea Cadets



Air Force

- 934th AW - MN
- 133rd AW - MN
- 128th ACS - WI



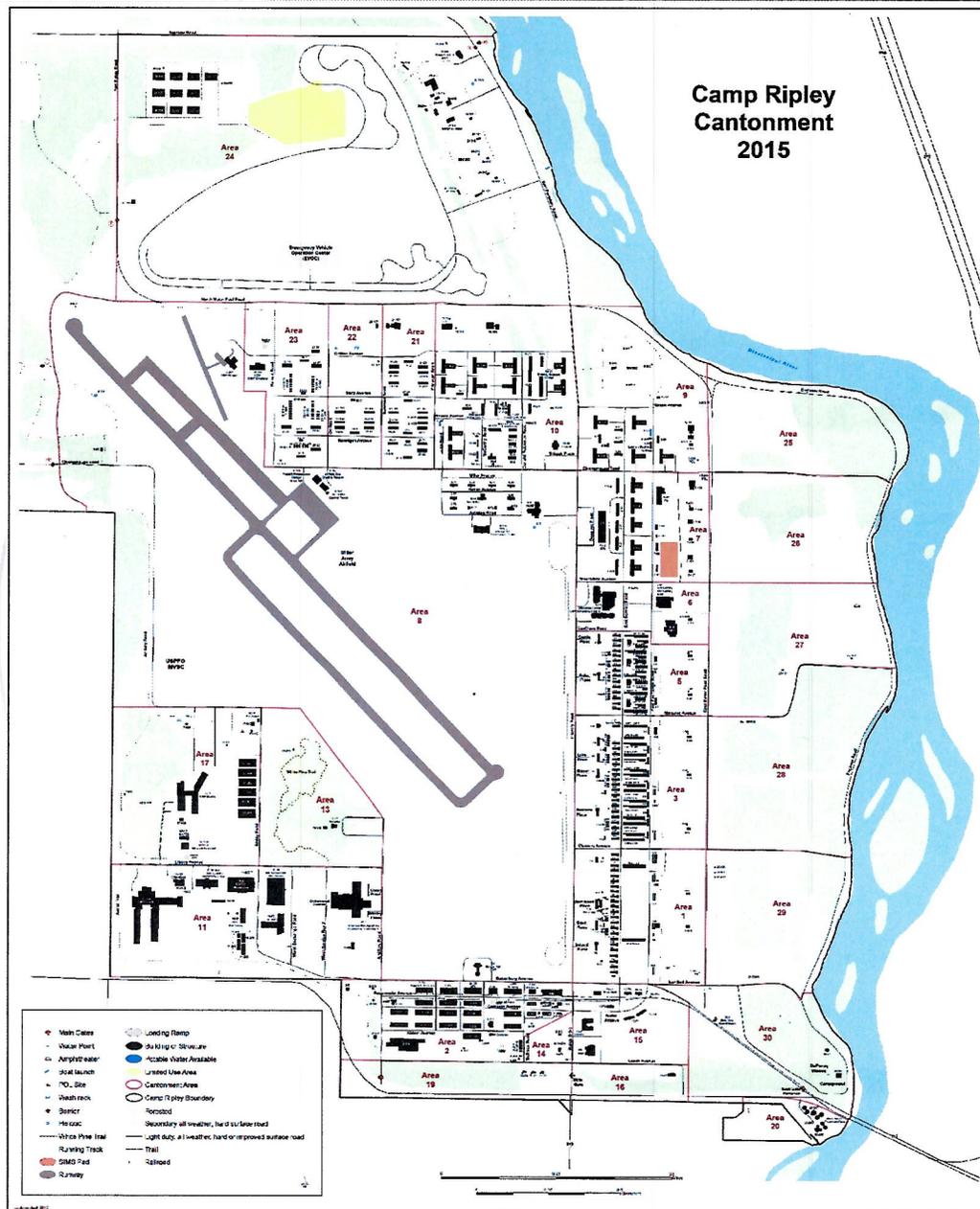


Cantonment Capabilities



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Cantonment Map



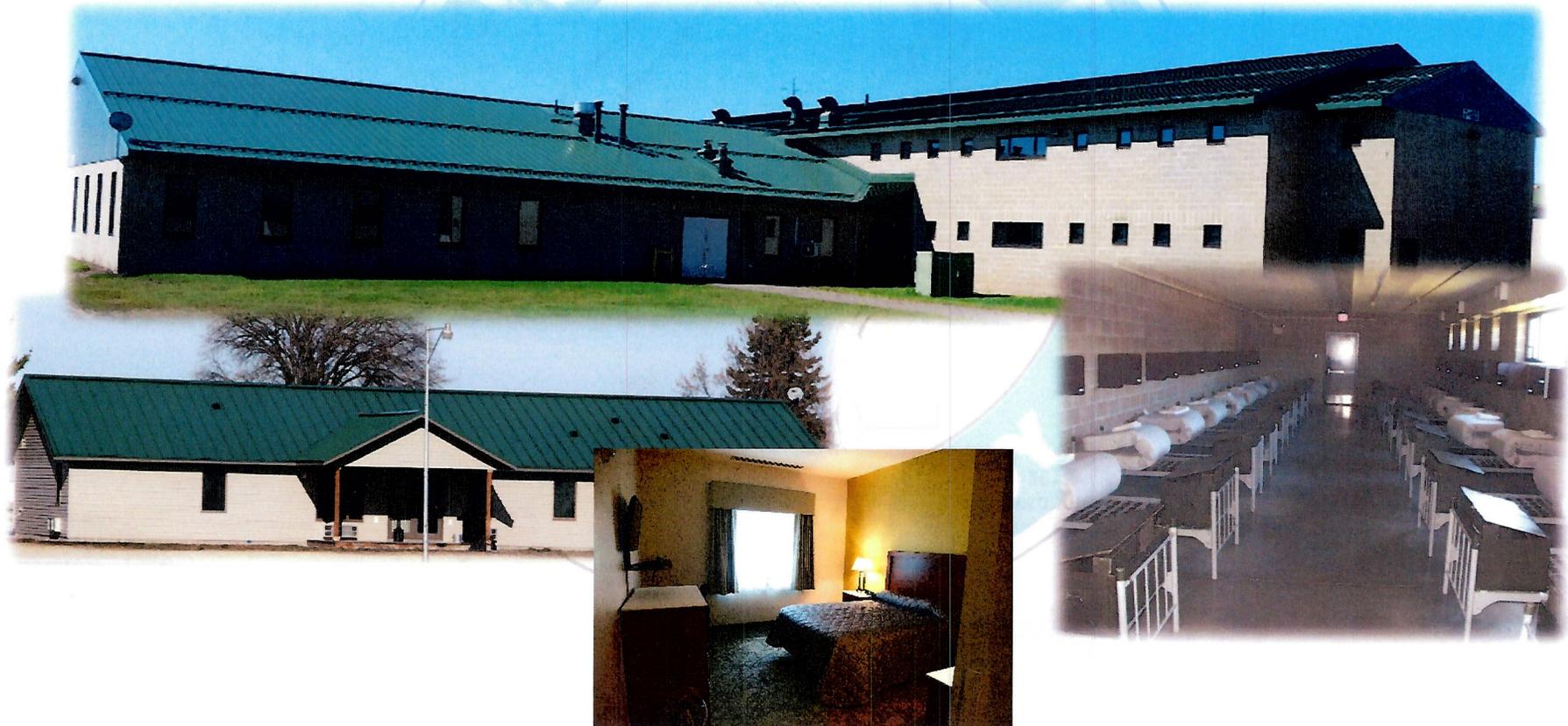
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Billeting



Total Housing: 8,661

- 3,196 Year Round
- 383 Chargeable Quarters
- 4,922 Seasonal Billeting

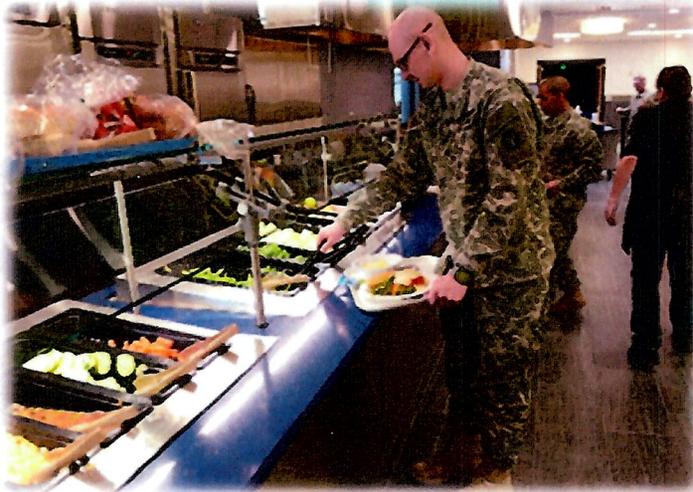




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Education Center Addition

- 67,436 ft² (addition)
- 48 maid service rooms
- 202 seat auditorium
- Re-configurable classroom facilities
- 303 person dining facility
- Total classroom seating: 1,030
- Total SF: 105,671
- Tenant Unit: 175th RTI





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State Partnerships

Emergency Management Training Center (EMTC)

- \$5 Million joint undertaking
- Functional as alternate
State EOC



Emergency Vehicle Operators Course (EVOC)

- 4.8 miles road course in
rural and urban settings, an
interchange, a skid pad, and
an urban simulation area





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Miller Army Airfield and Rail

- Runways
 - 6,100' x 100' (1,859 m x 30.5 m) asphalt
 - 3,500' x 80' (1,067 m x 24 m) gravel assault
 - 850' x 50' (250 m x 15 m) UAS
- All-Weather Capable
- Three Drop Zones
- Rotary Wing Pads
- 21 cantonment, 17 downrange
- Support parking for up to 7 x C-130s
- Crash Fire/Rescue co-located at airfield
- Railhead: 7 miles





Combined Maintenance Activity North/South

- CMA North & South (CSMS & MATES)
 - 212,000 ft² (19,695 m²)
 - 96 bays
- Provides field and sustainment level maintenance support





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Simulations



Flight UH-60
Flight CH-47



Mobile CCTT M1/M2



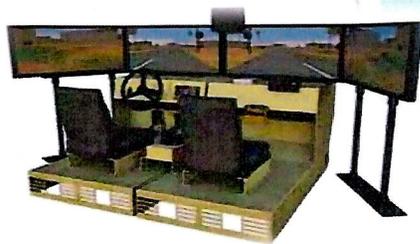
DSTS



VCOT C4



FLEXTRAIN



MRAP-VVT



VBS3 Army Gaming



Egress Rollover Trainers

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Morale Welfare & Recreation Facilities



Post Exchange



Laundry Facility



Supply and Services



Wellness Center



Snack Bar



Alternative Center



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Hangar Conference Center



Conference Center



Bullpen



Viking Club

- Re-purposed to a Conference Center
- Seats 230 personnel
- Equipped with a full kitchen
- Complete audio/video capability
- Community Club



Down Range Capabilities



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Small Arms Ranges

A3 and A4: Small Arms Ranges capable of conducting M16/M4 Qualification

A1 and A12: Zero, Reflexive Fire and Shotgun

A14: Shoot House

A2: Pistol/Handgun firing

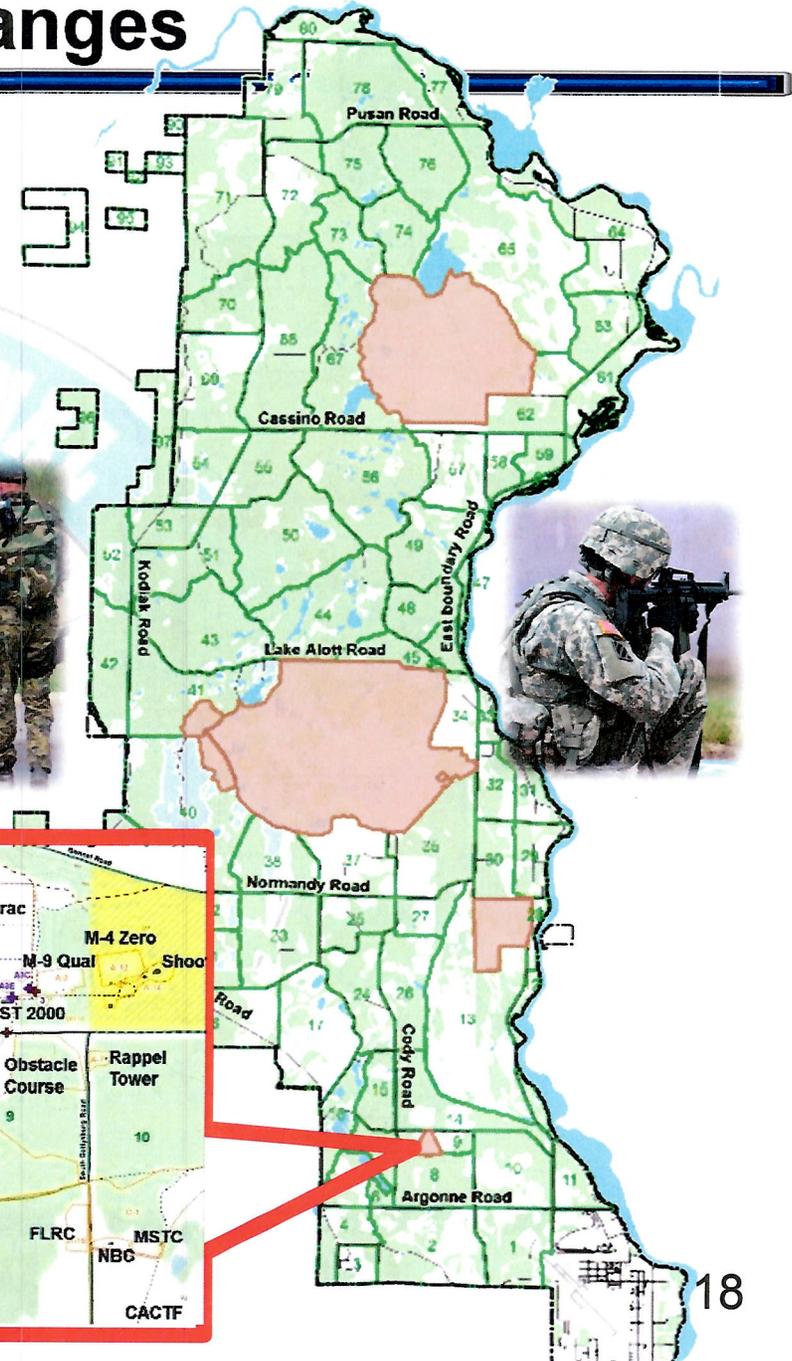
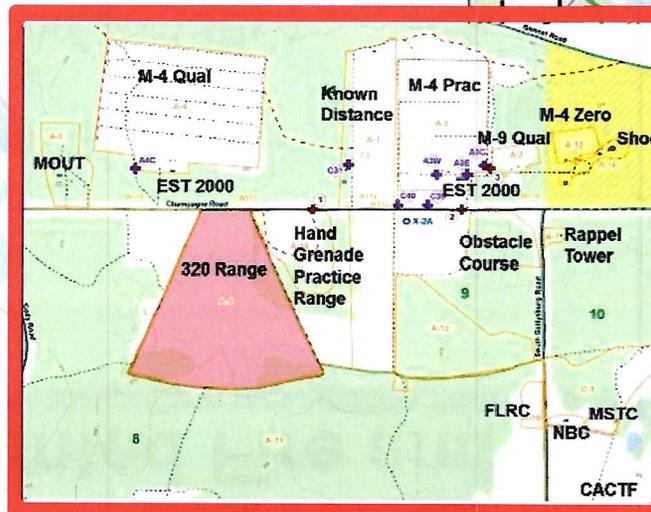
A9 and A10: Grenade Range

A5: MOUT

A7: Rappel Tower

A6: Confidence Course

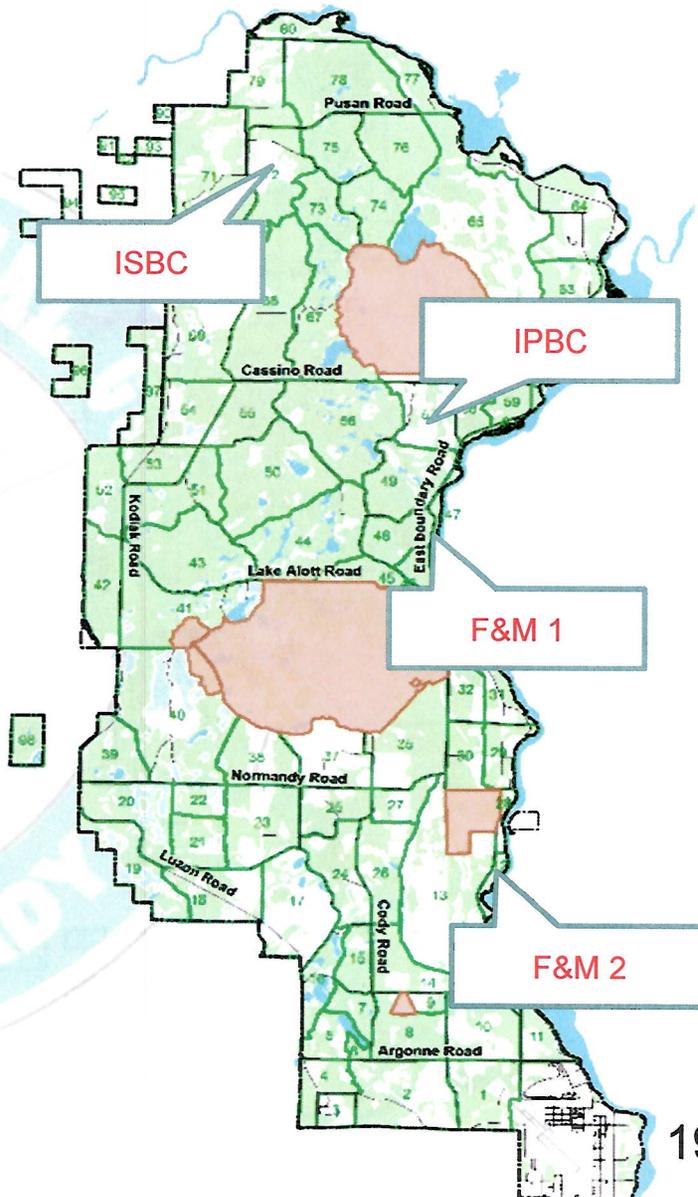
A13: Litter Course





Dismounted Fire and Maneuver

- Fire & Maneuver: 1 and 2
 - Two (2) Buddy Team Walk-Thru
- Infantry Squad Battle Course (ISBC)
- Infantry Platoon Battle Course (IPBC)

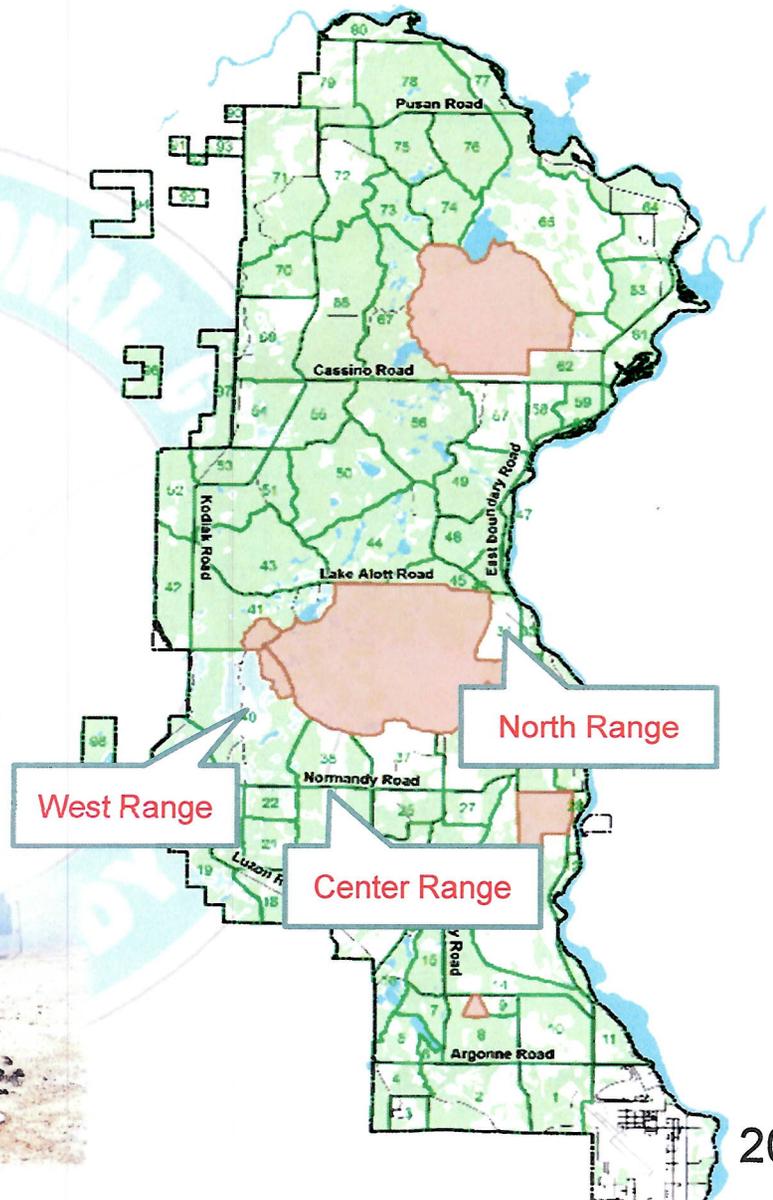




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Crew Serve Weapon Ranges

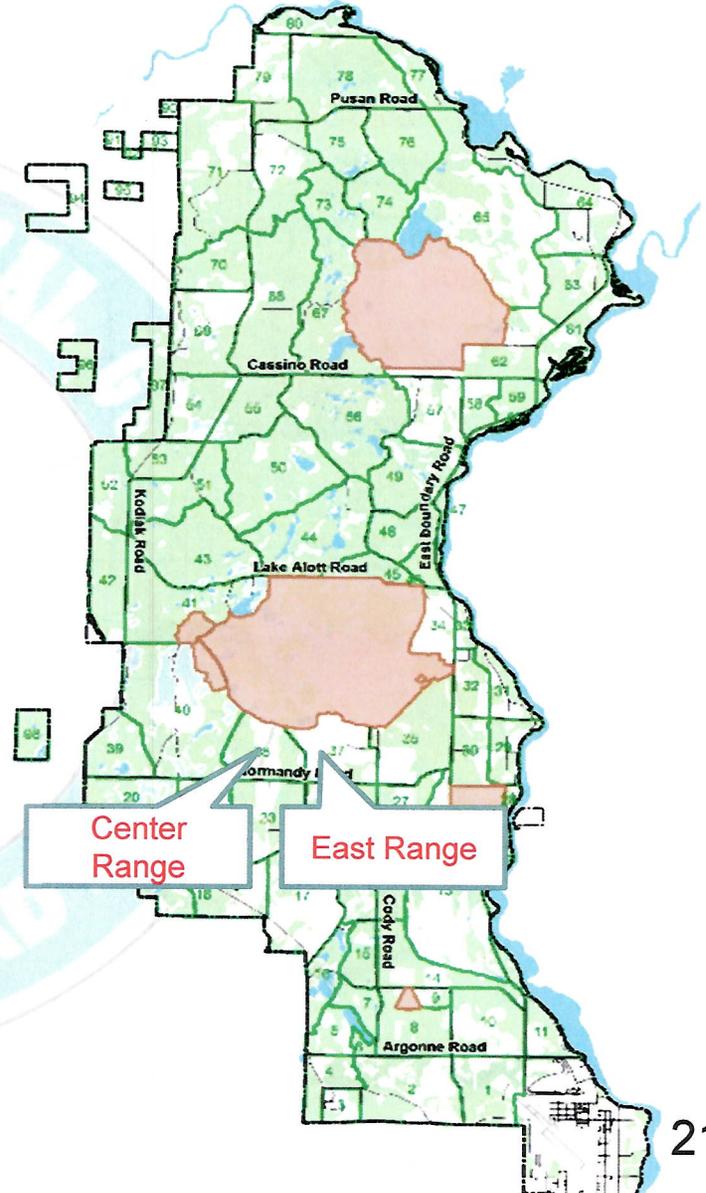
- North and West Range MPMG
 - Both Ranges capable of conducting M249, M240, and M2 10m up to Transition/Field Fire Qualification to include thermal targetry
- Center Range
 - Once complete, will have a four (4) lane MPMG



Heavy Weapon Ranges



- East Range
 - Multi-purpose Training Range (MPTR)
 - M1 Tank GT XII (Platoon)
 - M2 Bradley GT XII
 - Wheeled Vehicle GT XII
- Center Range
 - Scout Recce/Multi-Purpose Training Range (TY17)
 - M1 Tank GT IX (Section)
 - M2 Bradley GT IX
 - Wheeled Vehicle GT IX





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Center Range Up-grade

Scout Reconnaissance/Multi-Purpose Training Range

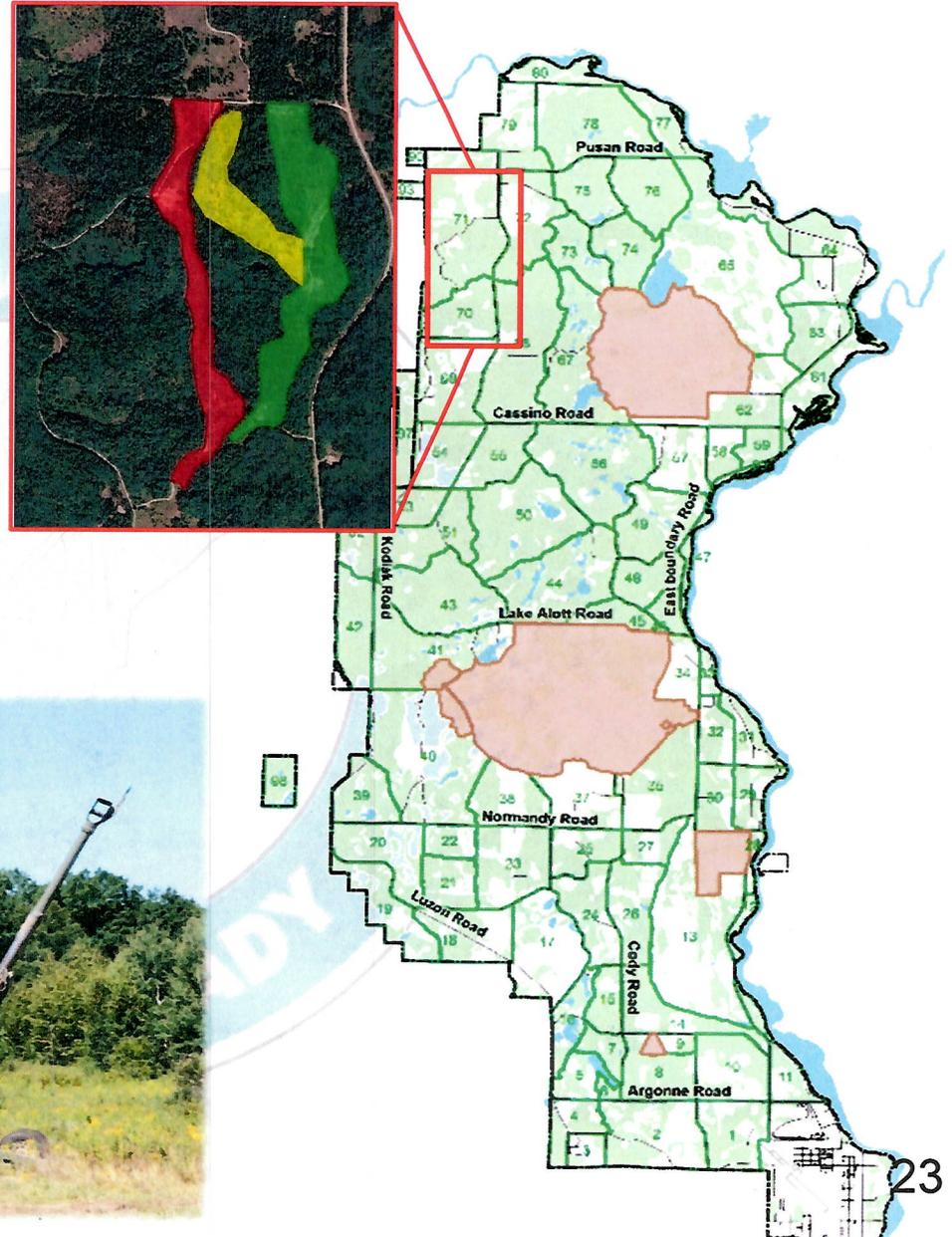


- Train and test units on the skills to detect, identify, engage and defeat stationary, moving and armor targets in a tactical array
- M1 Tank Gunnery
- M2 Bradley Gunnery
- Wheeled Vehicle Gunnery
- Tactical UAS landing strip is adjacent to the range
- Substantial Completion: November 2015



Heavy Maneuver Lanes and Artillery/Mortars

- Maneuver Lanes
 - Capable of up to M1 Tank Platoon on Platoon FTX. This area is soon to be expanded to include Training Areas 54 up to 79 along the west side
- Artillery and Mortars
 - 63 Artillery/Mortar Firing Points





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Drop Zones and Unmanned Aerial Systems

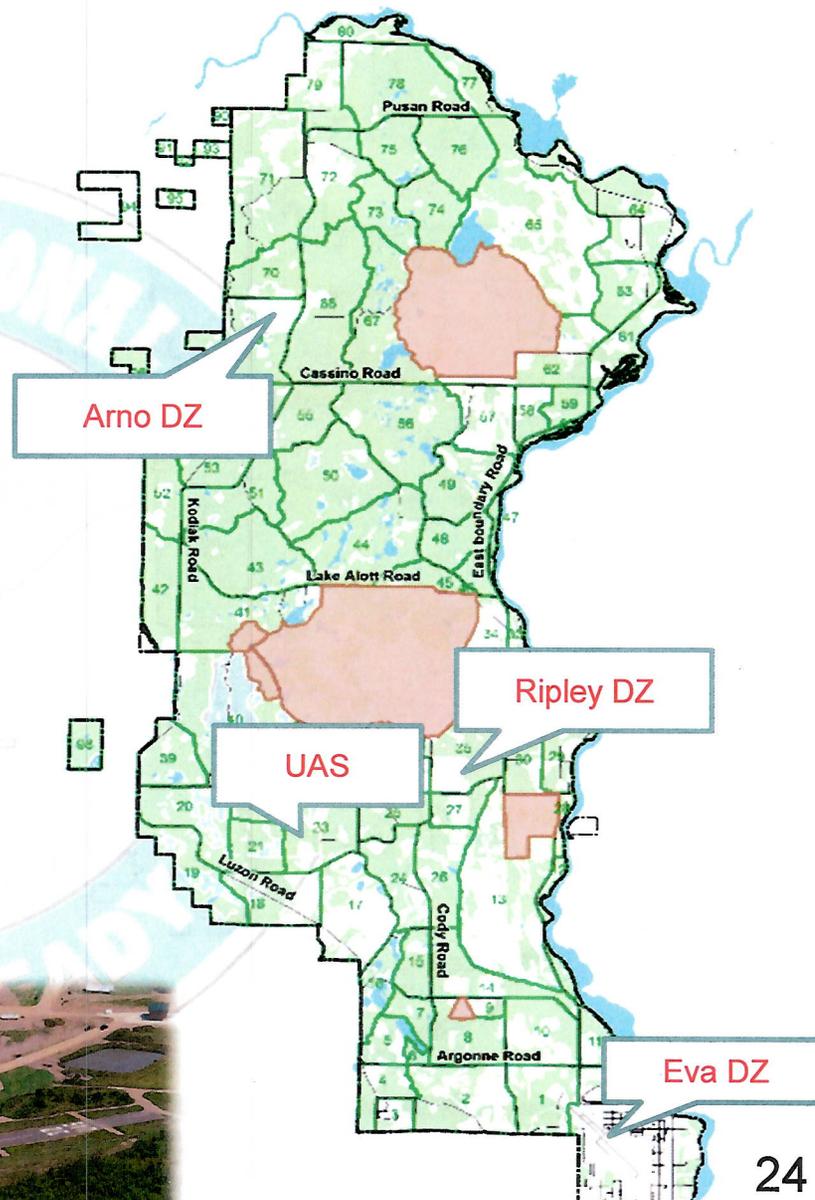
Drop Zone: Provides training on air assault, airborne, and logistical support operations.

- Arno DZ: 1100m X 1000m
- Ripley DZ: 1100m x 1100m
- Eva DZ: 600m x 1577m



Unmanned Aerial Systems (UAS) and Small Unmanned Aerial Systems (SUAS):

- Paved UAS strip located adjacent to Center Range



Bridge Crossing Sites

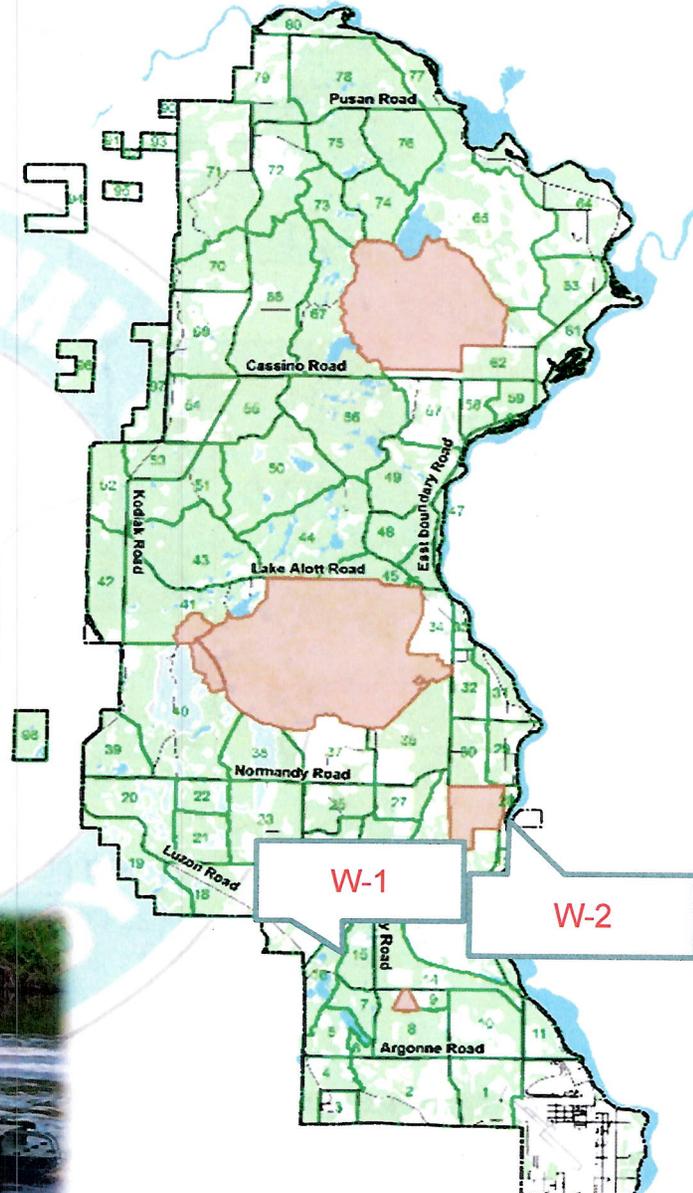


Bridge Crossing: Sites provide for bridge and amphibious swim training

- W-1 Ferrell Lake
 - Cable-crete at boat landing
 - 167m crossing site
 - Vehicle swimming an pontoon bridging



- W-2 Mississippi River
 - 116m between support ramps
 - Fast river crossing site

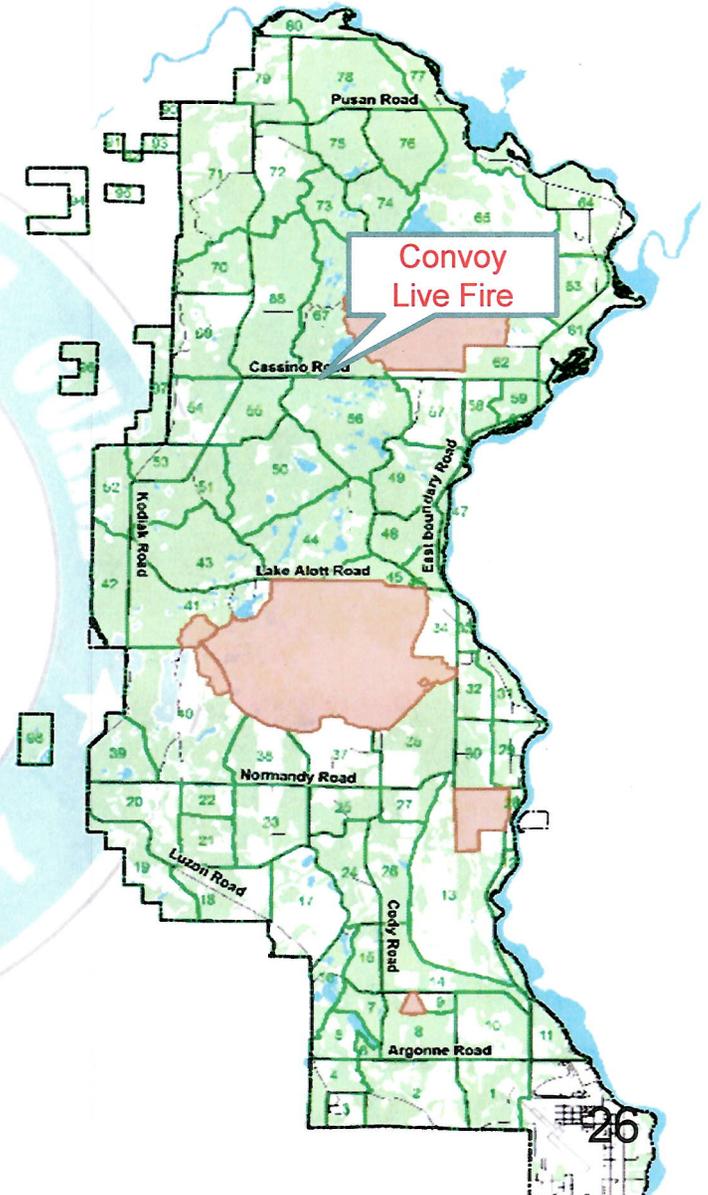
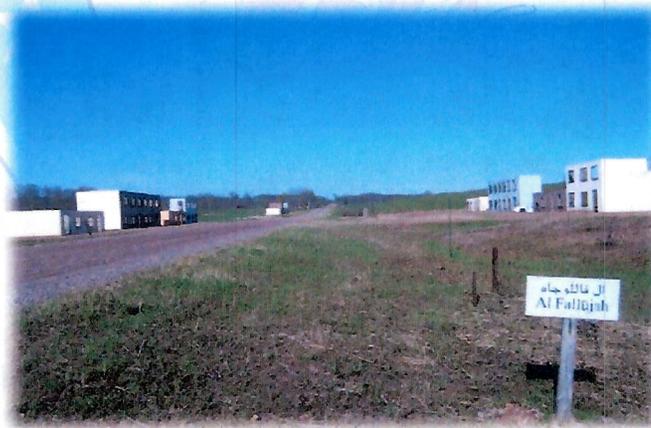




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Convoy Live Fire Lane

- Purpose: Provides under controlled conditions, a live fire exercise for patrol sized elements conducting convoy operations.





Small Arms, Crew, Heavy, Artillery, Air Drops, CLFX

Convoy Live Fire 12.7mm



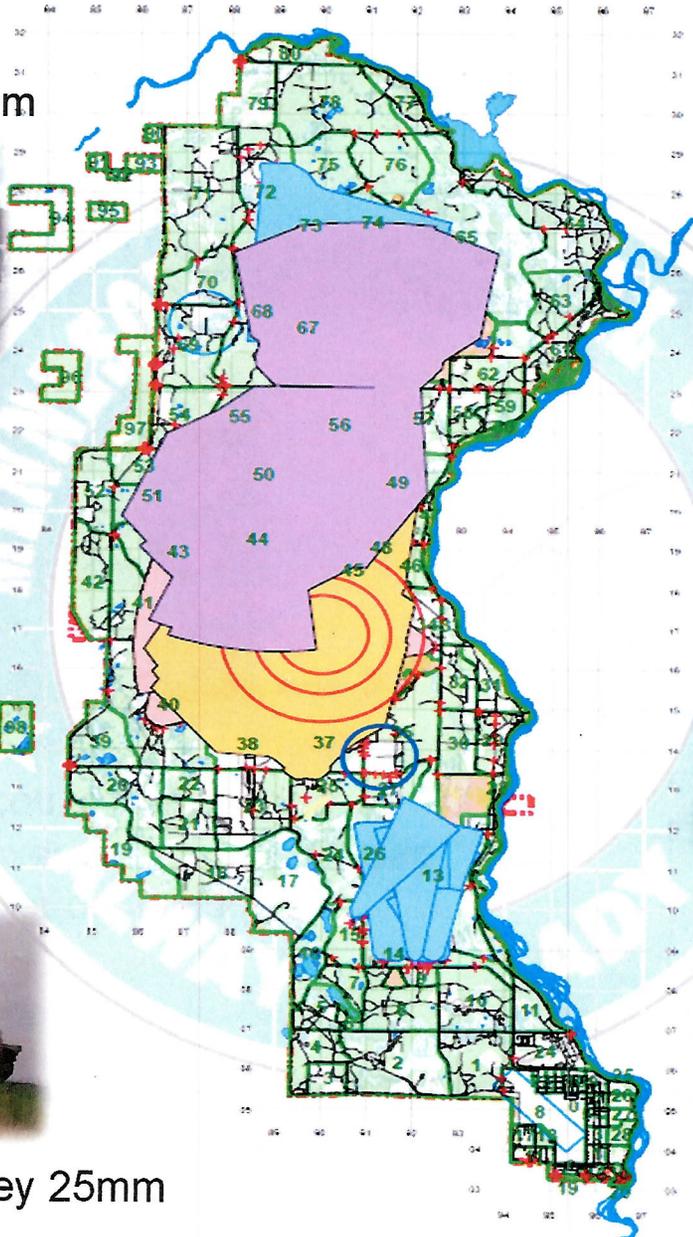
UH-60 Gunnery



Machine Gun 12.7mm



Tank 120mm and Bradley 25mm



Squad and Platoon Infantry
Battle courses 7.62mm



Artillery



Air Drops



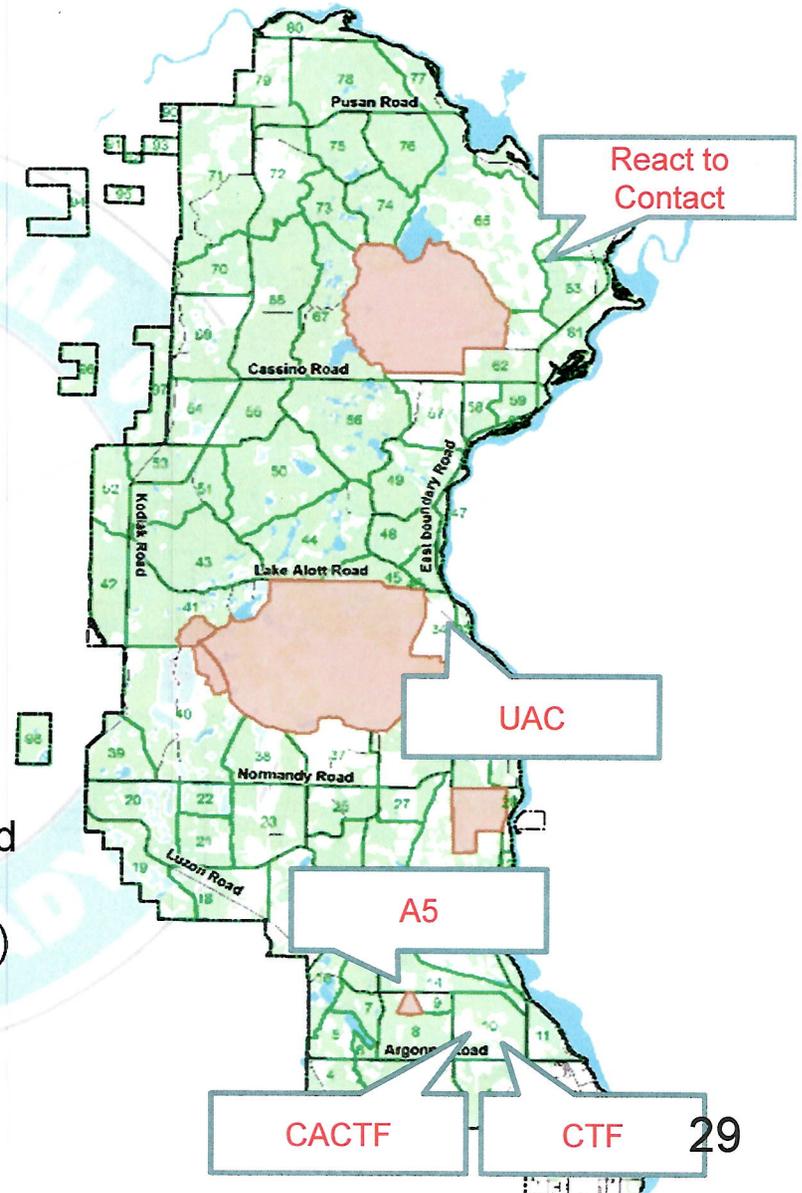
Small Arms Ranges 5.56mm



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Urban Ranges

- Combined Arms Collective Training Facility (CACTF)
 - Active/Reactive targets
 - AAR (video/audio) capable, Noise & Smell Feedback capable (can be used with or without contracted support)
- Collective Training Facility (CTF)
 - Brick & Mortar building complex, no automation
- A-5 MOUT Site
 - Wooden Structures, no automation
- Urban Assault Course (UAC)
 - 40mm TP live fire capable
- React To Contact Lane
 - Village setting with static UH-60 for downed pilot or MEDEVAC training capability (can be used with or without contracted support)





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Combined Arms Collective Training Facility



- Supports battalion level operations
- 24 instrumented buildings representing types and styles found world-wide
- Rail line with tanker car
- Multiple levels and underground tunnels
- Equipped with cameras, audio, visual, and smell effects
- Integrates live, virtual and constructive training



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Interagency Partnerships

- 1st Responders
- Emergency Managers
- Law Enforcement
- Fire Services
- State Patrol
- MN DOT
- DNR
- DOC

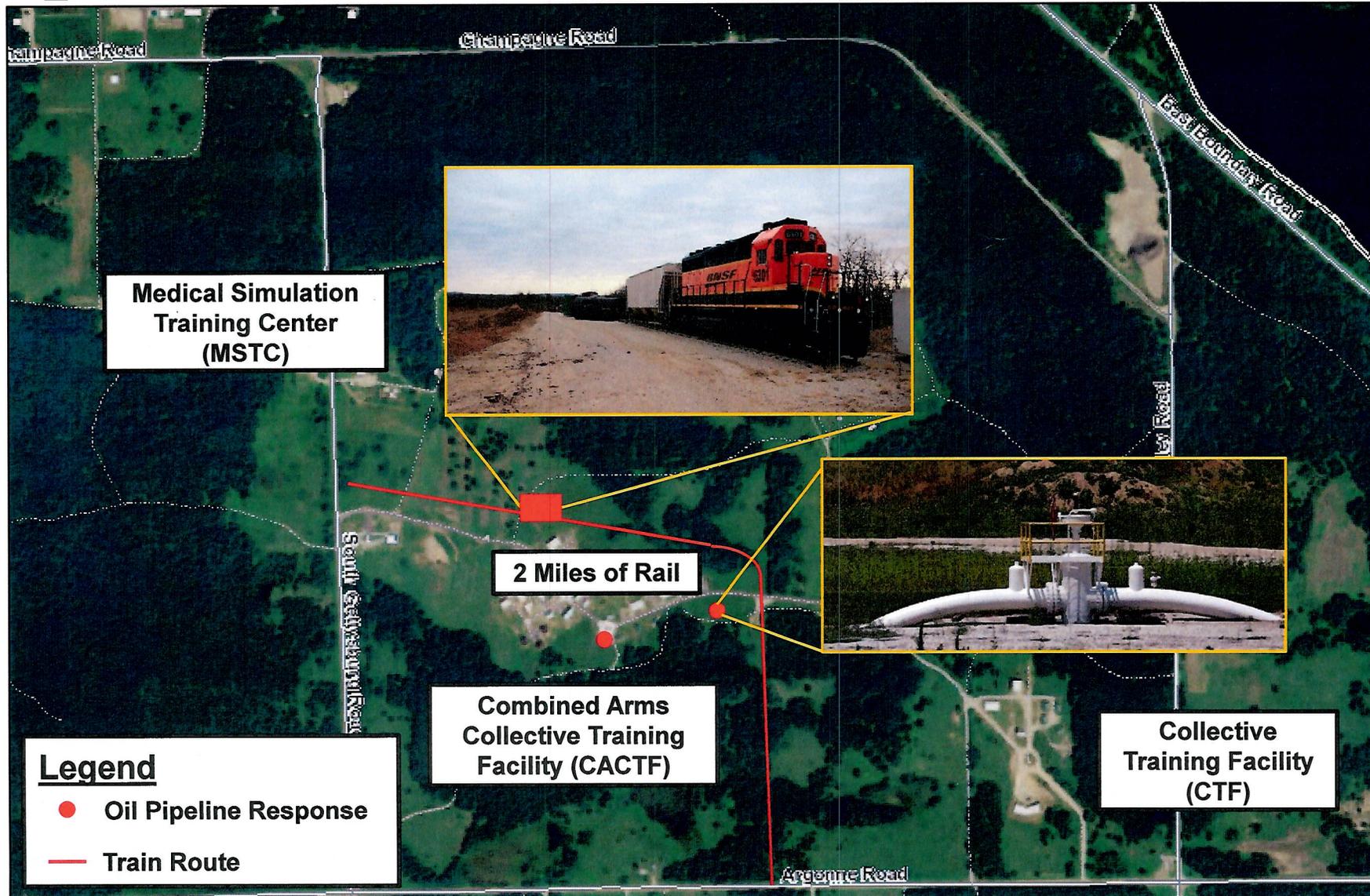




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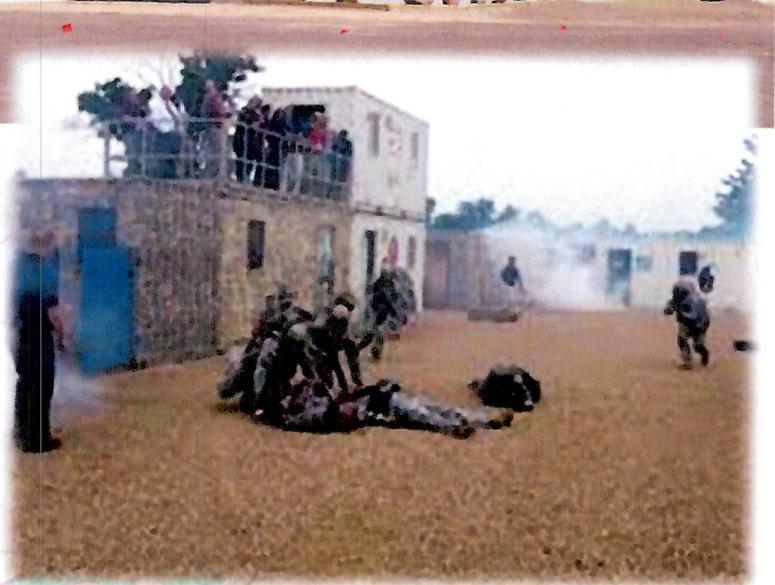
Proposed JERTC Oil Train and Pipeline

Joint Emergency Response Training Center (JERTC)



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Medical Simulations Training Center



- Standardized Combat Lifesaver & Medic Training
- Platinum 10 minutes lifesaving measures
- Control room with video/audio capability
- Virtual Patient Systems (bleed/breathe)
- Multiple amputation trauma trainers
- Urban Operations Training



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Tactical Training Bases (TTB)

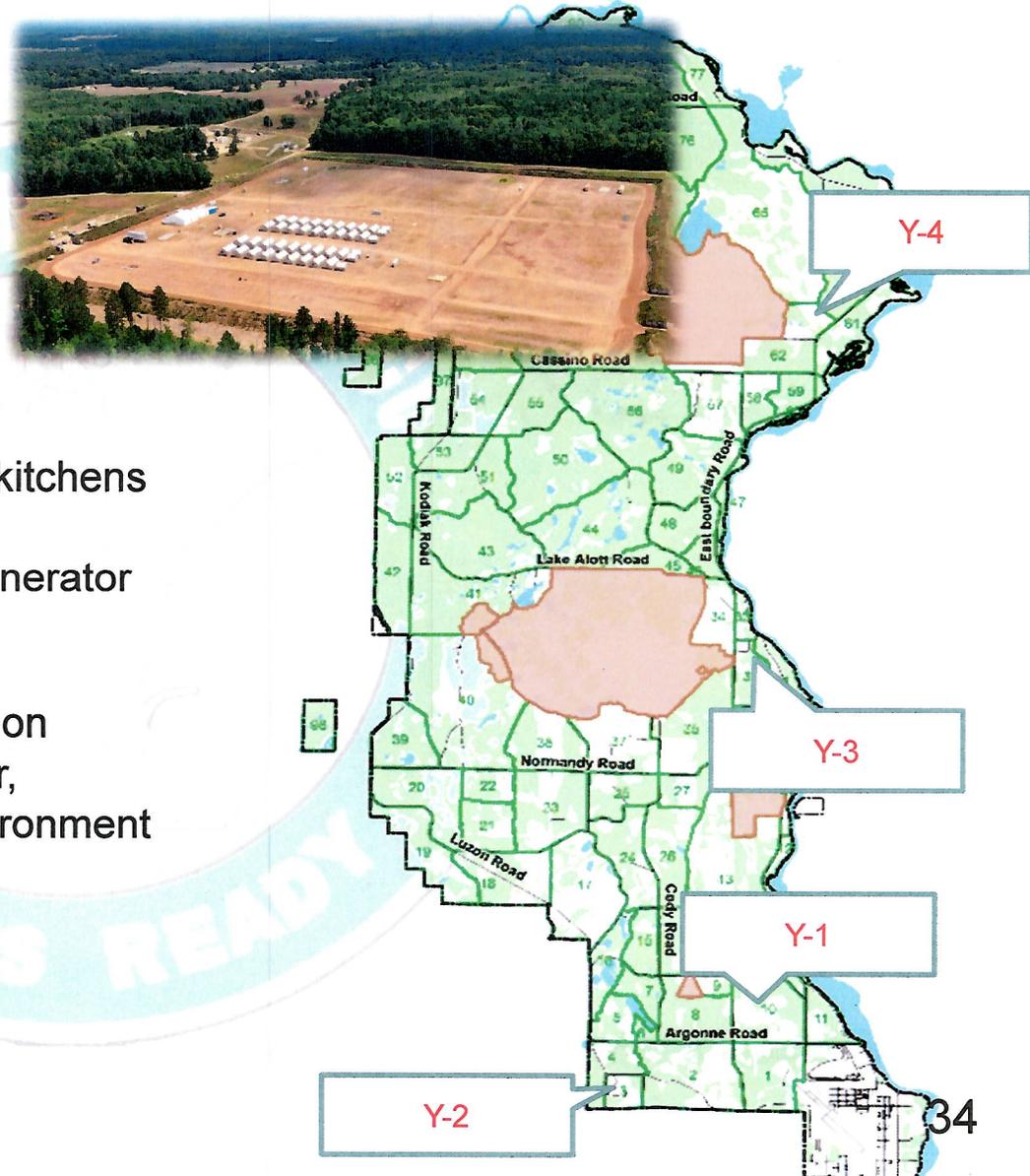
Y-2 and Y-4

- Entry Control Points
- Guard towers

Housing

- 500 permanent beds
- 1000 expansion beds (tents)
- Gray water
 - 4 - 6000 gal tanks for use with kitchens and showers
- Sure-power 120/240 v power with generator backup

Y-1 and Y-3 Primitive space for training on handling and controlling prisoners of war, detaining of personnel in a secured environment and use of Entry Control Points.





eXportable Combat Capability (XCTC)





eXportable Combat Capability (XCTC)

Historic

- 2010-2011
 - 1/34th Heavy Brigade Combat Team, Minnesota
 - 2/34th Infantry Brigade Combat Team, Iowa
- 2012
 - 48th Infantry Brigade Combat Team, Georgia
 - 33rd Infantry Brigade Combat Team, Illinois

Present

- 2015 (May-August 2015)
 - 1/34th Armor Brigade Combat Team, Minnesota
 - 67th Battle Field Surveillance Brigade, Nebraska
 - 196th Maneuver Enhancement Brigade, South Dakota

Future

- 2017
 - 33rd Infantry Brigade Combat Team, Illinois

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eXportable Combat Capability (XCTC)

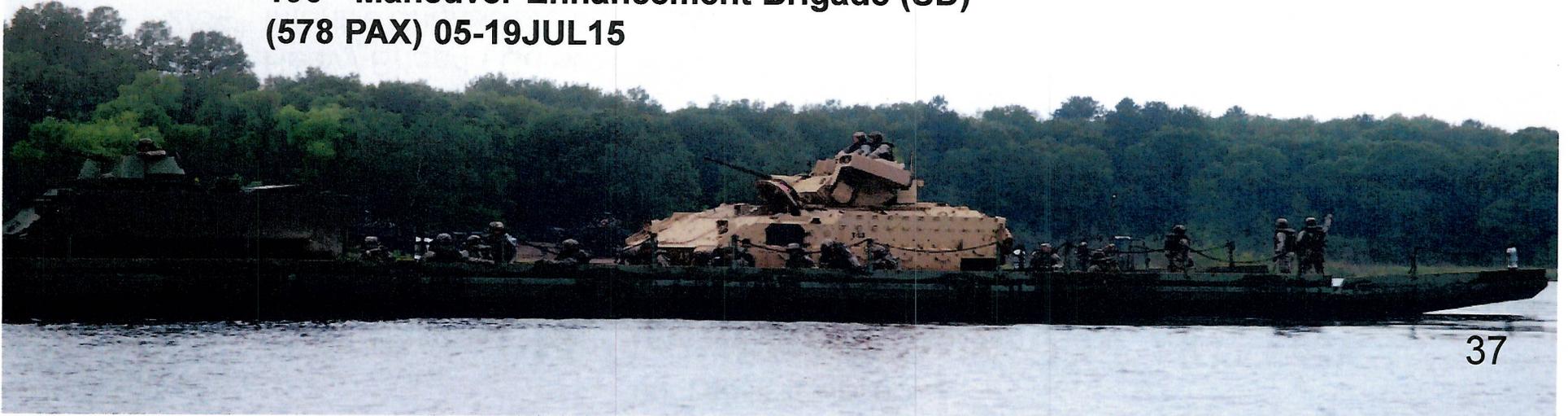
67th Battlefield Surveillance Brigade (NE)
(734 PAX) 16-30JUN15



1st Armored Brigade Combat Team (MN)
(4411 PAX) 15MAY-18AUG15



196th Maneuver Enhancement Brigade (SD)
(578 PAX) 05-19JUL15







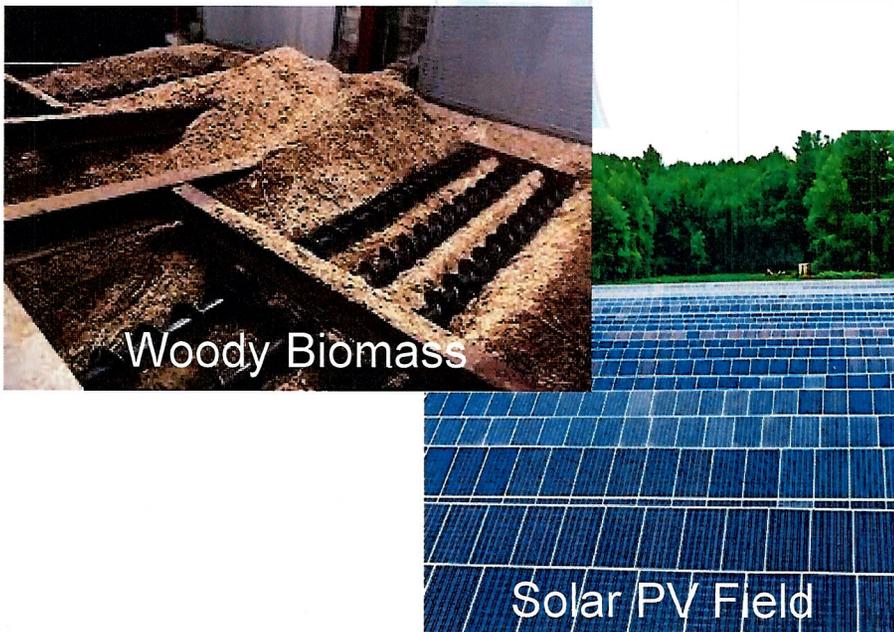
Sustainability Initiatives

Solar Photovoltaic (PV) Field

- MN Power will fund 10 Mw Solar PV
- Estimated cost: \$25-30 million
- MN to pay capital cost to install and maintain 80 acre Solar field
- 10 Mw Solar PV will exceed current consumption of 3 Mw, making CRTC Net-zero on electricity

Campus Wide Woody Biomass

- Feasibility study complete 2015
- Energy Conservation Improvement Program (ECIP)
- Construction 2017-2019 subject to funding
- 90% of CRTC heating cost replaced by aspen grown on site



Woody Biomass

Solar PV Field

Geothermal

- Install for 3 transient billeting in Area 7 and reduced heating cost by 45%
- Horizontal installation at Ed Center
- Horizontal and vertical installation at Garrison Headquarters BLDG



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Army Compatible Use Buffer Program

2004-2014

Partnerships

- Minnesota Department of Natural Resources
- Minnesota Board of Water and Soil Resources

DNR

19 Land Transactions

1,920.35 acres

1 Pending

BWSR

88 Land Transactions

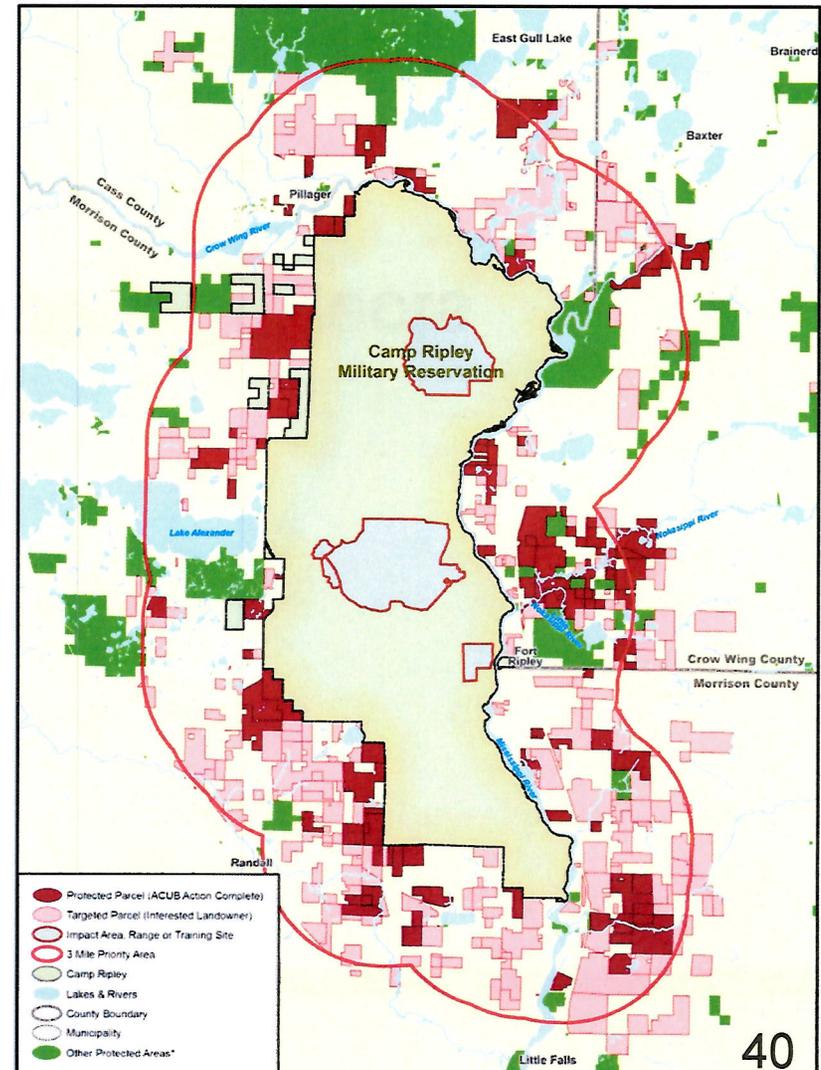
12,172 acres

33 Pending

- Funding sources include both Federal and State dollars. State dollars are awarded through the Lessard-Sams Outdoor Heritage Council (LSOHC)

Federal = \$23,099,000 State = \$3,973,000

- 220 Interested Landowners representing 27,500 acres





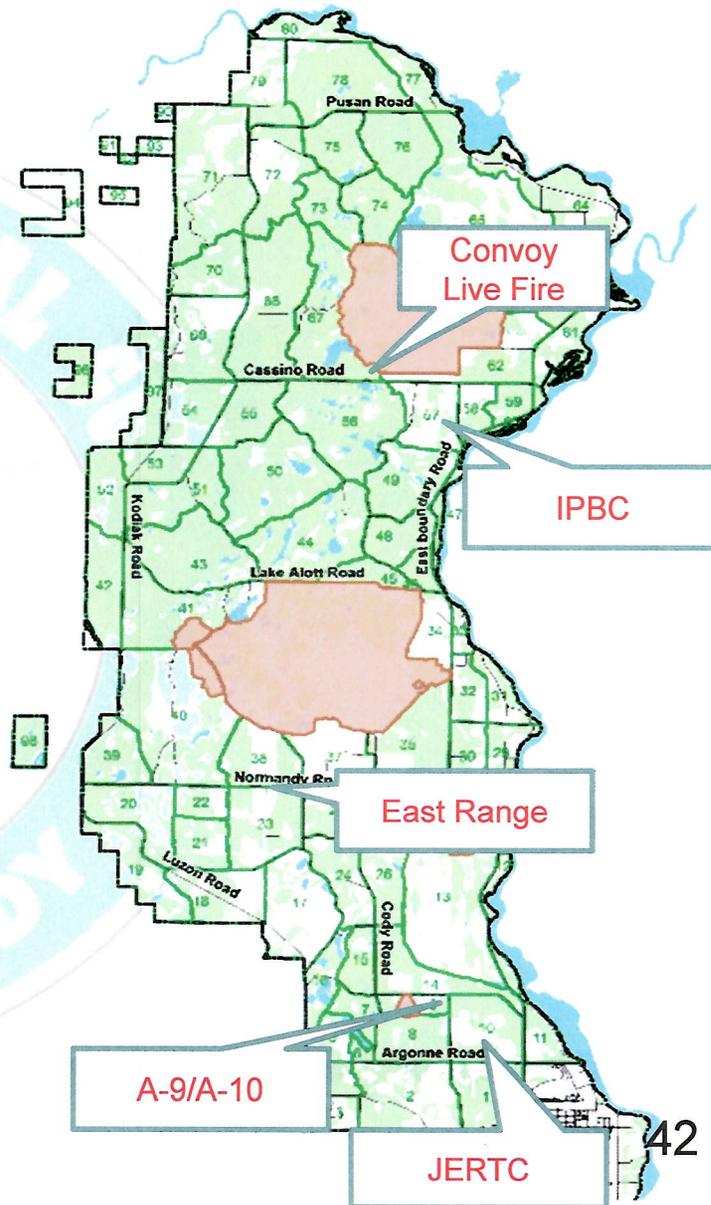
Proposed Camp Ripley Projects



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Proposed Camp Ripley Projects

1. Training Aids Center - MILCON
2. Downrange Infrastructure - MILCON
3. Digital Multi Purpose Training Range DMPTR (East Range) - MILCON
4. Joint Emergency Response Training Center - State/Other
5. Infantry Platoon Battle Course (IPBC) Small Arms Range Operations and Control Area (SAROCA) - SRM bill
6. Grenade Ranges (A-9/A-10) Small Arms Range Operations and Control Area (SAROCA) - SRM bill
7. Convoy Live Fire Range with Entry Control Point (CLF/ECP) - MILCON





Guidance