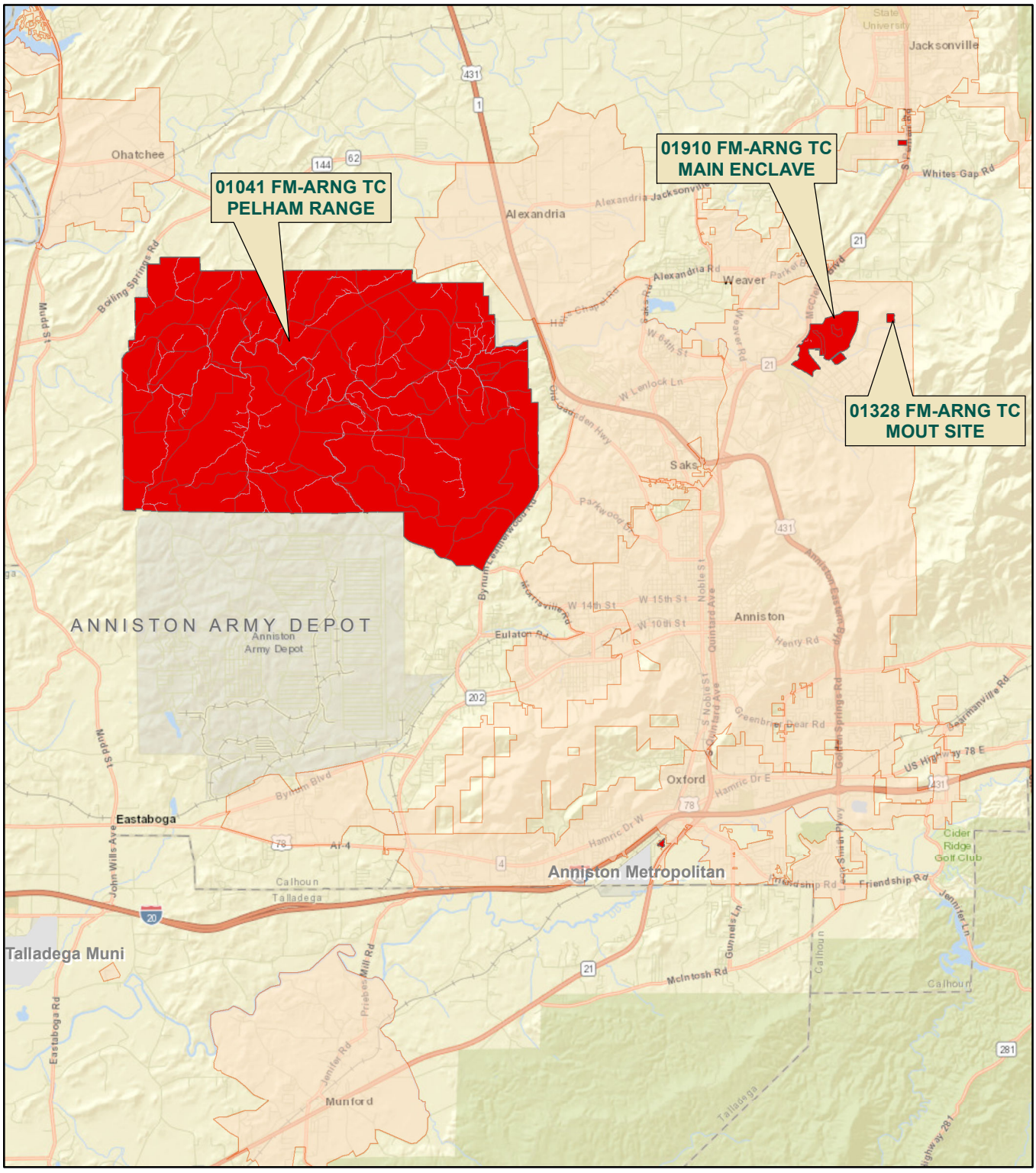
APPENDIX M
FIGURES

Figure 1
Location of FM-ARNGTC



Transportation

- Primary Limited Access or Interstate
- Primary US and State Highways
- Secondary State and County
- Local or Rural road
- Railroads
- Rivers

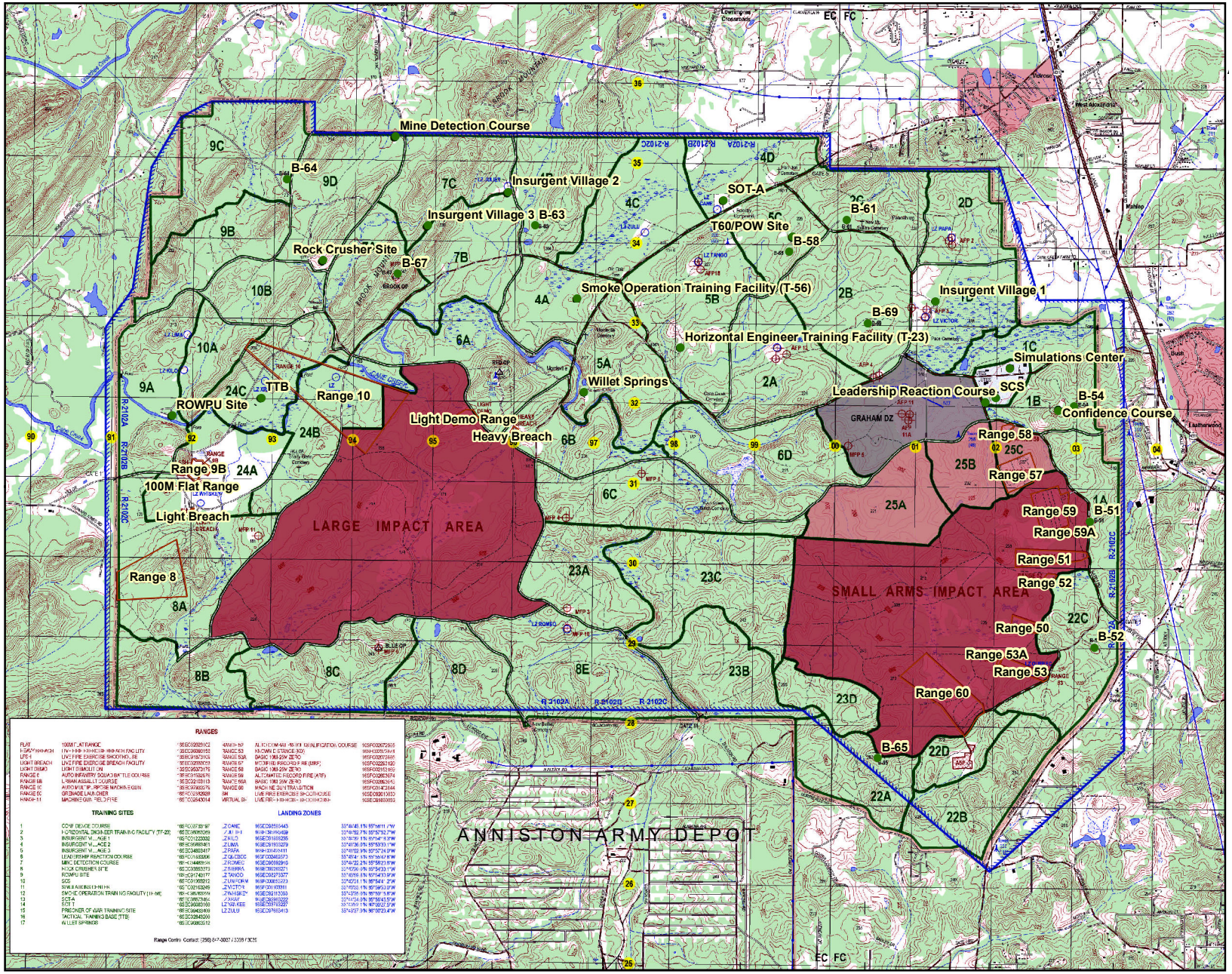
Boundaries

- AL ARNG SITE
- Anniston Army Depot
- Airport Areas
- National Park - Forest
- State Park or Forest
- City Area

2 1 0 2 4
Miles

NORTH
WGS 1984
UTM Zone 16N

Figure 2
Pelham Range Land Use and Training Areas



MILITARY LEGEND

MILITARY OVERPRINT INFORMATION AS OF 10-17

- ACCESS CONTROL POINT
- R-2102A — AIRSPACE (RESTRICTED)
- AMMUNITION STORAGE AREA
- B-69 — BIVOUAC SITE
- CANTONMENT
- GRAHAM DZ — DROP ZONE
- FIRING POINT
- RANGE 51 — FIRING RANGE
- IMPACT AREA (DUDDED)
- IMPACT AREA (SMALL ARMS)
- LANDING ZONE
- OBSERVATION POINT
- 7A — TRAINING AREA BOUNDARY
- TRAINING SITE

N

1 0.5 0 1
Miles

WGS 1984
UTM Zone 16N

FORT MCCLELLAN (PELHAM RANGE) MILITARY INSTALLATION MAP V844S EDITION 2-SRP

Date: 1/2/2018

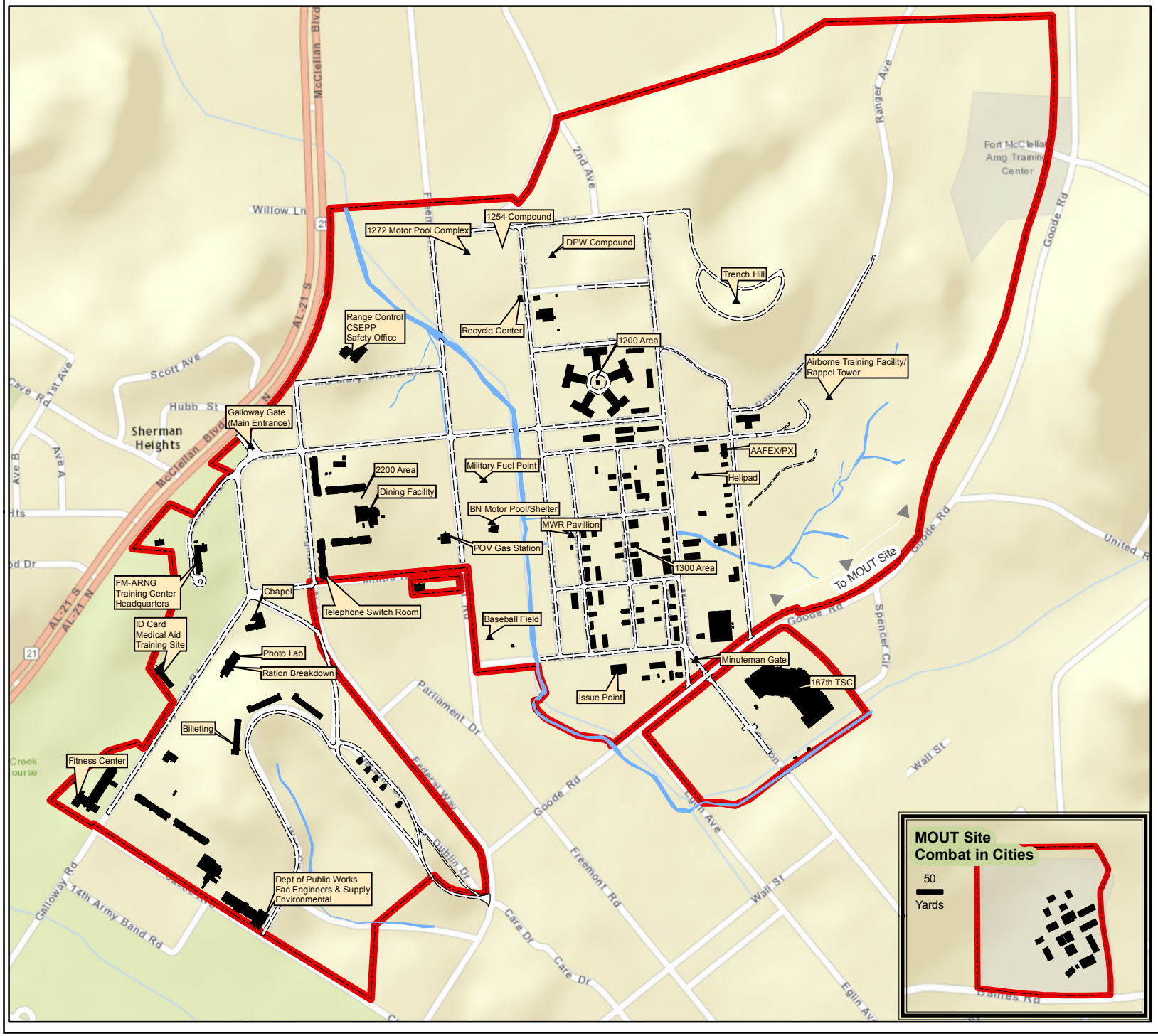


Figure 3
Main Enclave
Land Use

▲ Point of Interest

Building

Installation Boundary

0.1 0.05 0 0.1

Miles

NORTH

WGS 1984
UTM Zone 16N

Base Map: ESRI Street Map
Installation Data: AL ARNG GIS

Map By: Ann Ray
Date: 1/5/2018

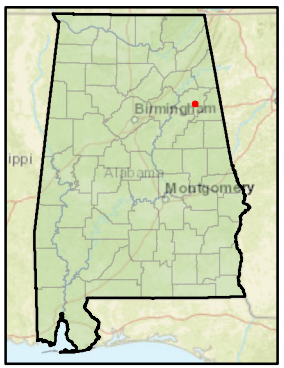
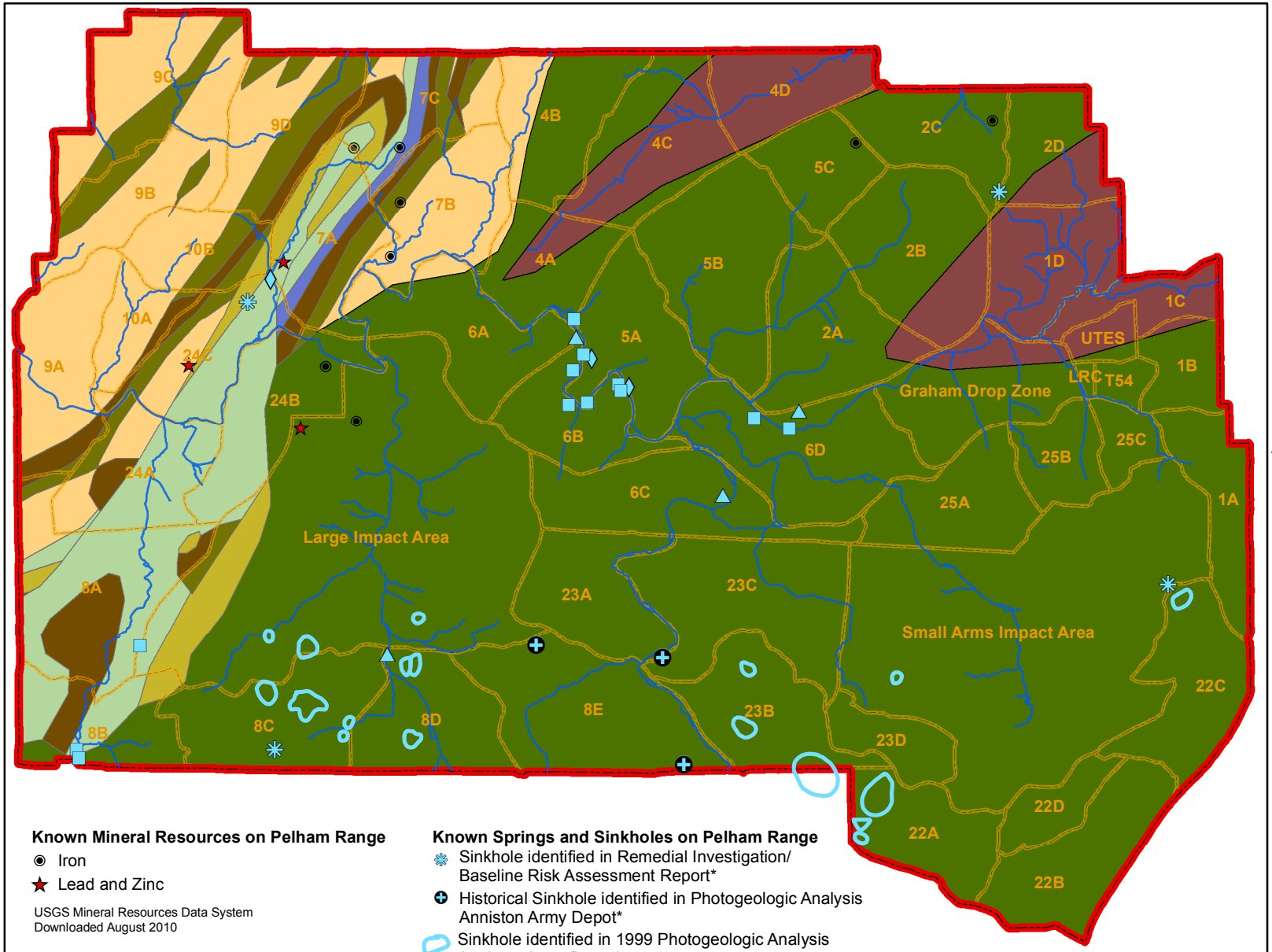


Figure 4a
Geology
of Pelham Range



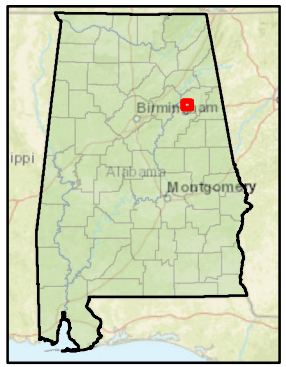
Cc	Conasauga Formation
Dfm	Frog Mountain Sandstone
Mtfp	Tuscumbia Limestone and Fort Payne Chert undivided
OCk	Knox Group undifferentiated
Oa	Athens Shale
On	Newala Limestone
Os	Sequatchie Formation
PMpwf	Parkwood Formation and Floyd Shale undiff.
	Training Area Boundary
	Pelham Range Boundary

1 0.5 0 1
Miles

NORTH

WGS 1984
UTM Zone 16N
Base Map: Geological Survey of Alabama Data Portal accessed August 2010
Installation Data: AL ARNG GIS
Base Map: Esri World Street Map

Map By: Ann Ray
Date: 1/5/2018



Known Mineral Resources on Pelham Range

- Iron
- Lead and Zinc

USGS Mineral Resources Data System
Downloaded August 2010

Known Springs and Sinkholes on Pelham Range

- Sinkhole identified in Remedial Investigation/ Baseline Risk Assessment Report*
- Historical Sinkhole identified in Photogeologic Analysis Anniston Army Depot*
- Sinkhole identified in 1999 Photogeologic Analysis Anniston Army Depot*
- Spring identified in Remedial Investigation/Baseline Risk Assessment Report*
- Spring identified in Receptor Sampling Locations Map at Anniston Army Depot by SAIC*
- Spring identified in 2010 by FM ALRNG staff

* Approximate locations derived by georeferencing Figure 10. Locations of Springs and Sinkholes on Pelham Range "Revised Draft Preliminary Assessment No. 38-EH-1775-99 Fort McClellan Army National Guard Training Center Fort McClellan, Alabama" 28 May-17 June 1999.

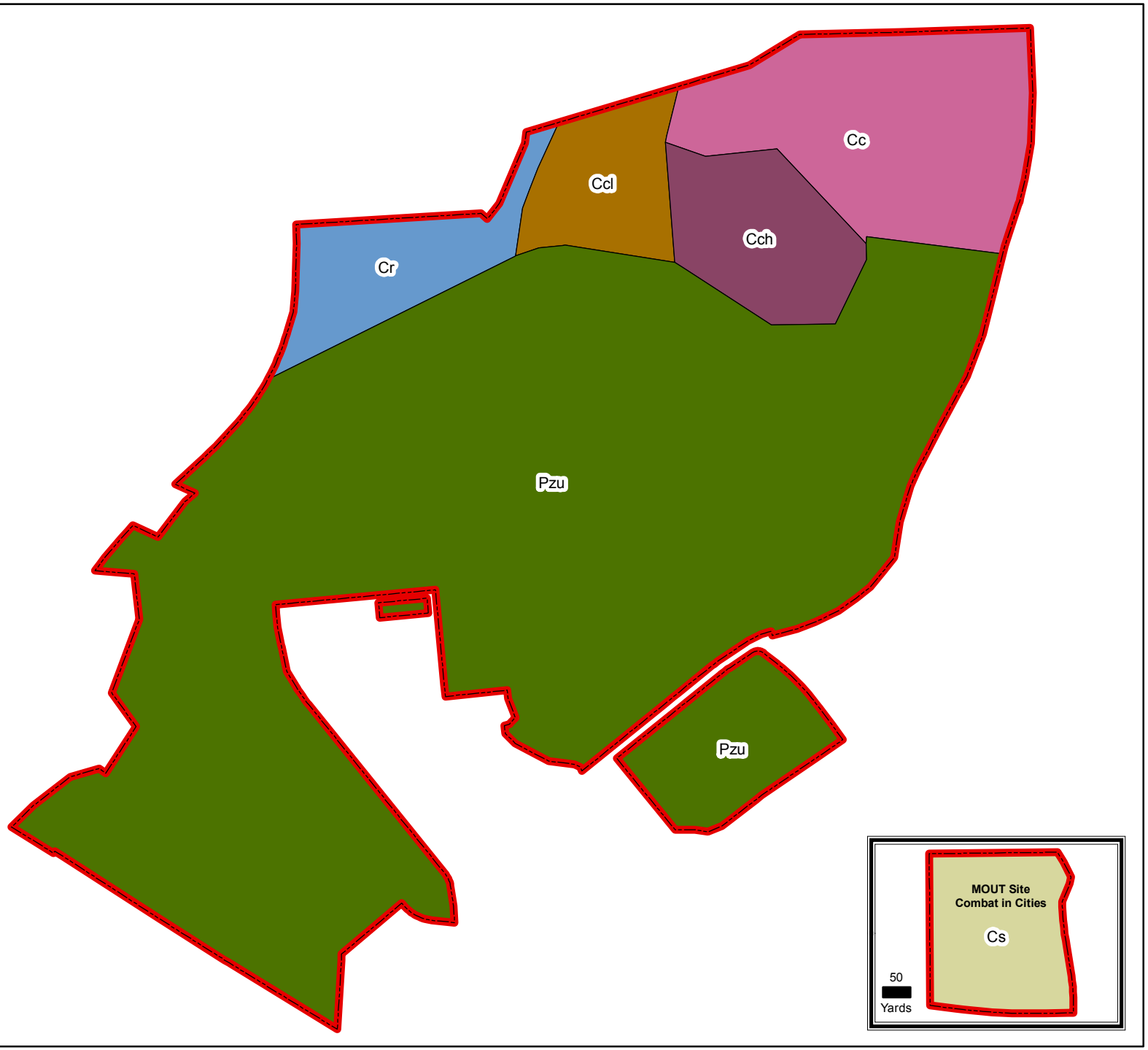


Figure 4b Geology of the Main Enclave

Geologic Formation

- Cc — Conasauga Formation
- Cch — Chilhowee Group undiff.
- Ccl — Conasauga Formation
- Cr — Rome Formation
- Cs — Shady Dolomite
- Pzu — Paleozoic shale undiff.
- Installation Boundary

0.1 0.05 0 0.1
Miles

NORTH

WGS 1984
UTM Zone 16N

Base Map: Geological Survey of Alabama Data Portal, Esri World Strret Map
Installation Data: AL ARNG GIS

Map By: Ann Ray
Date: 1/5/2018

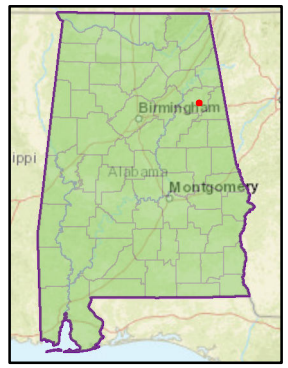
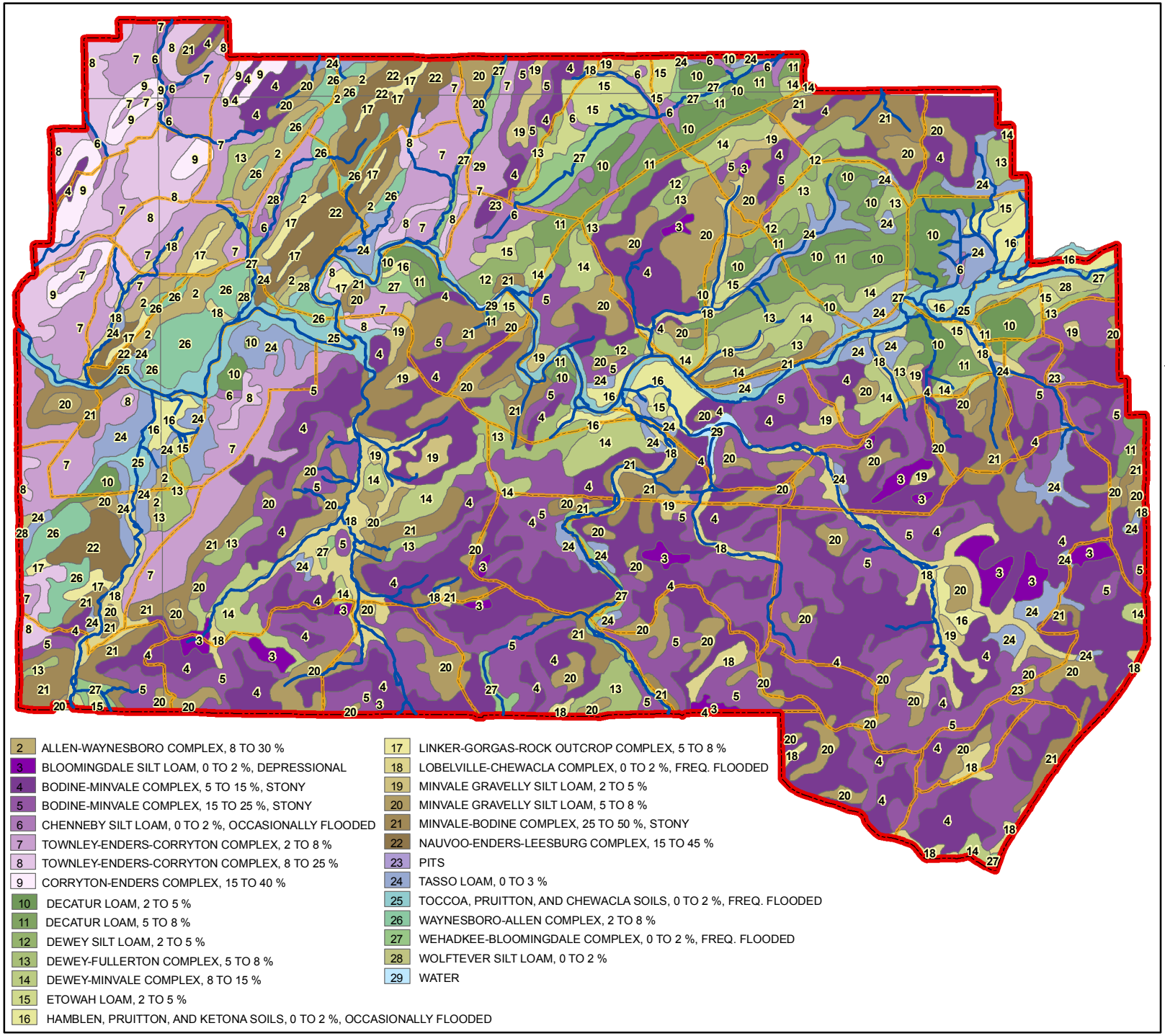


Figure 5a
Soils
of Pelham Range



- 2 ALLEN-WAYNESBORO COMPLEX, 8 TO 30 %
- 3 BLOOMINGDALE SILT LOAM, 0 TO 2 %, DEPRESSIONAL
- 4 BODINE-MINVALE COMPLEX, 5 TO 15 %, STONY
- 5 BODINE-MINVALE COMPLEX, 15 TO 25 %, STONY
- 6 CHENNEBY SILT LOAM, 0 TO 2 %, OCCASIONALLY FLOODED
- 7 TOWNLEY-ENDERS-CORRYTON COMPLEX, 2 TO 8 %
- 8 TOWNLEY-ENDERS-CORRYTON COMPLEX, 8 TO 25 %
- 9 CORRYTON-ENDERS COMPLEX, 15 TO 40 %
- 10 DECATUR LOAM, 2 TO 5 %
- 11 DECATUR LOAM, 5 TO 8 %
- 12 DEWEY SILT LOAM, 2 TO 5 %
- 13 DEWEY-FULLERTON COMPLEX, 5 TO 8 %
- 14 DEWEY-MINVALE COMPLEX, 8 TO 15 %
- 15 ETOWAH LOAM, 2 TO 5 %
- 16 HAMBLEN, PRUITTON, AND KETONA SOILS, 0 TO 2 %, OCCASIONALLY FLOODED
- 17 LINKER-GORGAS-ROCK OUTCROP COMPLEX, 5 TO 8 %
- 18 LOBELVILLE-CHEWACLA COMPLEX, 0 TO 2 %, FREQ. FLOODED
- 19 MINVALE GRAVELLY SILT LOAM, 2 TO 5 %
- 20 MINVALE GRAVELLY SILT LOAM, 5 TO 8 %
- 21 MINVALE-BODINE COMPLEX, 25 TO 50 %, STONY
- 22 NAUVOO-ENDERS-LEESBURG COMPLEX, 15 TO 45 %
- 23 PITS
- 24 TASSO LOAM, 0 TO 3 %
- 25 TOCCOA, PRUITTON, AND CHEWACLA SOILS, 0 TO 2 %, FREQ. FLOODED
- 26 WAYNESBORO-ALLEN COMPLEX, 2 TO 8 %
- 27 WEHADKEE-BLOOMINGDALE COMPLEX, 0 TO 2 %, FREQ. FLOODED
- 28 WOLFTEVER SILT LOAM, 0 TO 2 %
- 29 WATER

Training Area Boundary

Pelham Range Boundary

1 0.5 0 1

Miles

NORTH

WGS 1984
UTM Zone 16N

Base Map: USDA Pelham Range
Soil Survey 2002
Installation Data: AL ARNG GIS
Base Map: Esri World Street Map

Map By: Ann Ray
Date: 1/5/2018

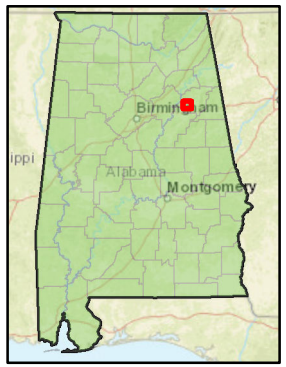
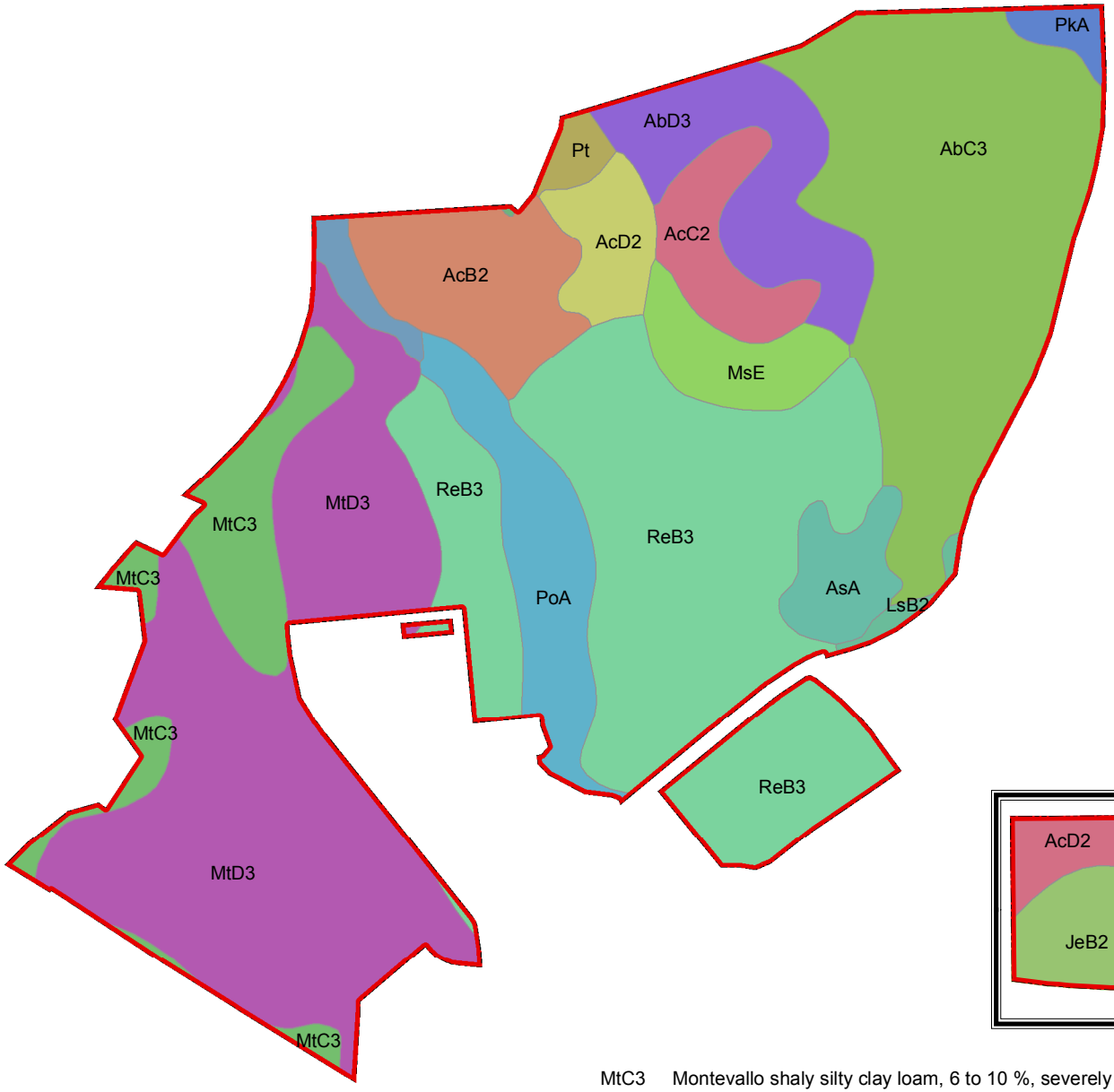
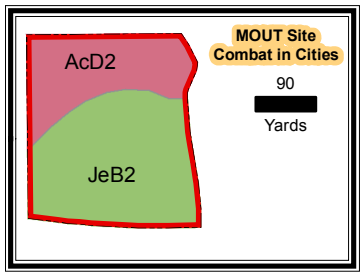


Figure 5b
Soils
of the
Main Enclave





Installation Boundary

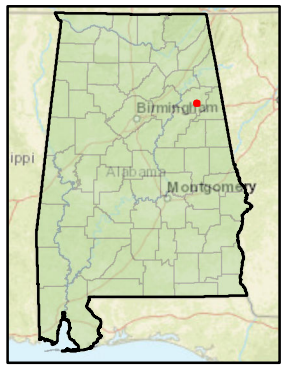
0.1 0.05 0 0.1
Miles

NORTH

WGS 1984
UTM Zone 16N

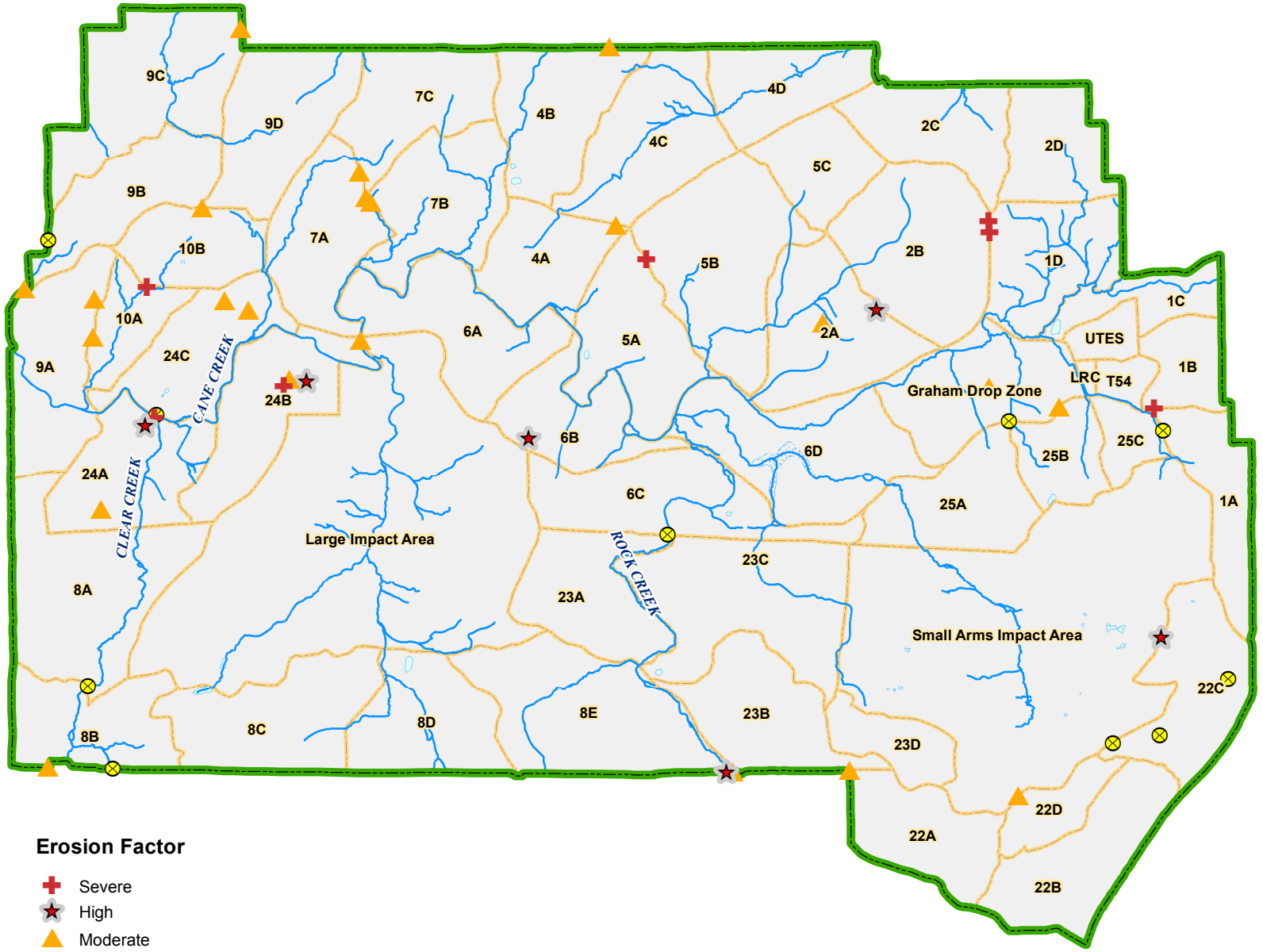
Data Sources: SSURGO Calhoun County Soils Data accessed January 2017
Base map: Esri World Street Map
Installation Data: AL ARNG GIS

Map By: Ann Ray
Date: 1/5/2018



AbD3	Anniston gravelly clay loam, 10 to 15 %, s everely eroded
AcB2	Anniston and Allen gravelly loams, 2 to 6 %, eroded
AcC2	Anniston and Allen gravelly loams, 6 to 10 %,eroded
AcD2	Anniston and Allen gravelly loams, 10 to 15 , eroded
AsA	Atkins and Stendal soils, local alluvium, 0 to 2 % slopes
JeB2	Jefferson gravelly fine sandy loam, 2 to 6 %, eroded
LsB2	Locust gravelly fine sandy loam, 2 to 6 % slopes
MsE	Montevallo shaly silt loam, 15 to 40 % slopes
MtC3	Montevallo shaly silty clay loam, 6 to 10 %, severely eroded
MtD3	Montevallo shaly silty clay loam, 10 to 40 %, severely eroded
PhA	Philo and Stendal fine sandy loams, 0 to 2 % slopes
PkA	Philo and Stendal soils, local alluvium, 0 to 2 % slopes
PoA	Pope fine sandy loam, 0 to 2 % slopes
Pt	Pits, sand, and gravel
PuA	Purdy silt loam, 0 to 2 % slopes
ReB3	Rarden silty clay loam, shallow, 2 to 6 %, severely eroded
TyA	Tyler silt loam, 0 to 2 % slopes

Figure 6
Erosion
on Pelham Range



Training Area Boundary

Pelham Range Boundary

1 0.5 0 1

Miles

NORTH

WGS 1984
UTM Zone 16N

Installation Data: AL ARNG GIS
Base Map: Esri World Street Map

Map By: Ann Ray
Date: 1/5/2018

Erosion Factor

- Severe
- High
- Moderate
- Low

Erosion GIS Data Deliverable Associated with "Soil Erosion Management Plan (SEMP), Fort McClellan Army National Guard Training Center, Pelham Range and Main Enclave, Calhoun County, Alabama". Prepared by Thompson Engineering 2014.

Erosion not limited to point location.

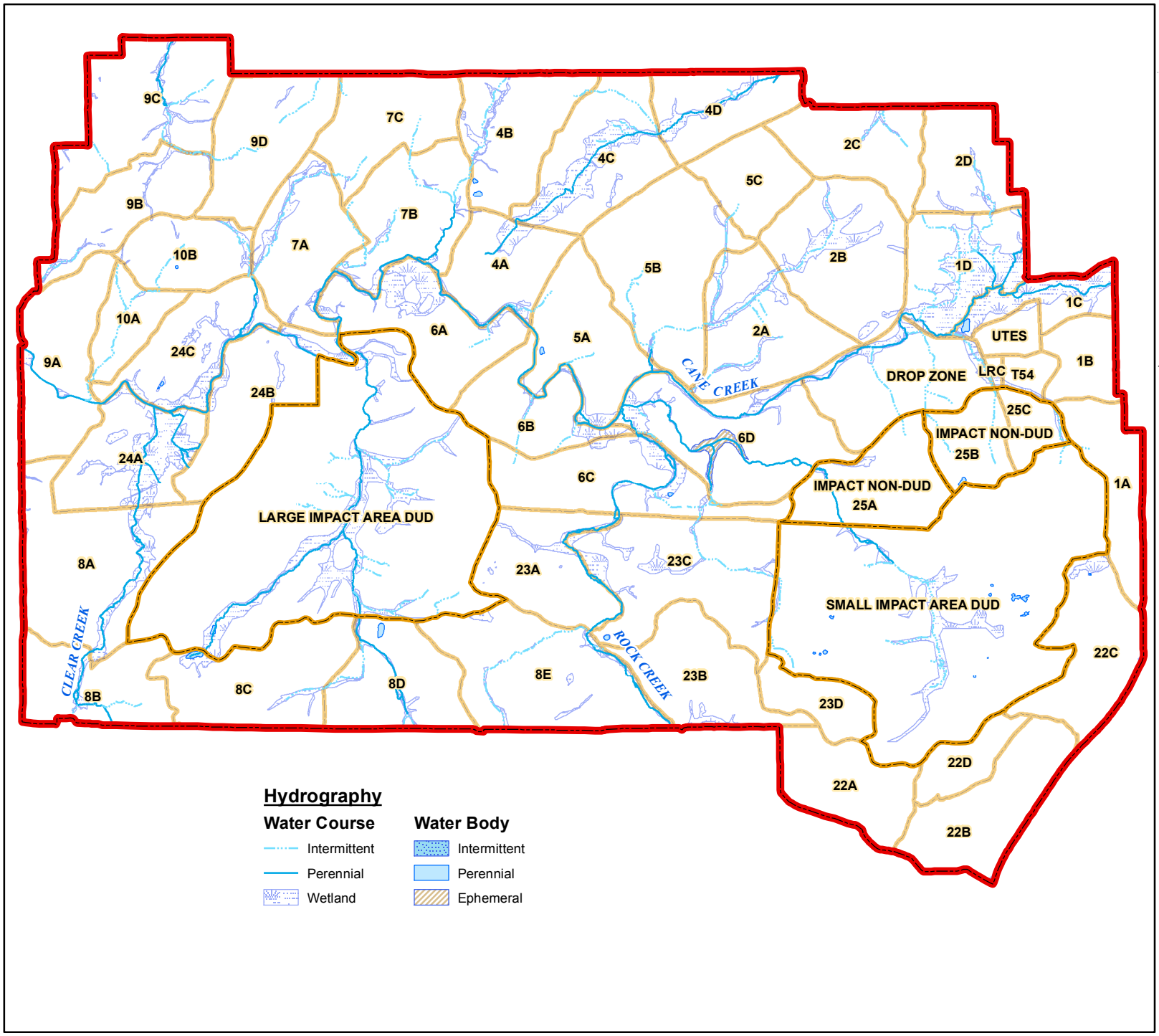


Figure 7a
Wetlands and Waterbodies on Pelham Range

Training Area Boundary

Pelham Range Boundary

1 0.5 0 1

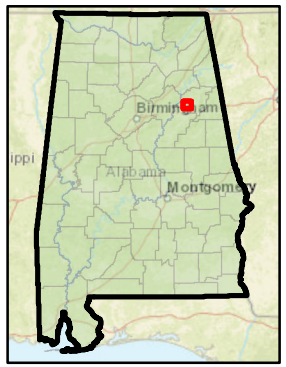
Miles

NORTH

WGS 1984
UTM Zone 16N

Installation Data: AL ARNG GIS
Base Map: Esri World Street Map

Map By: Ann Ray
Date: 1/5/2018



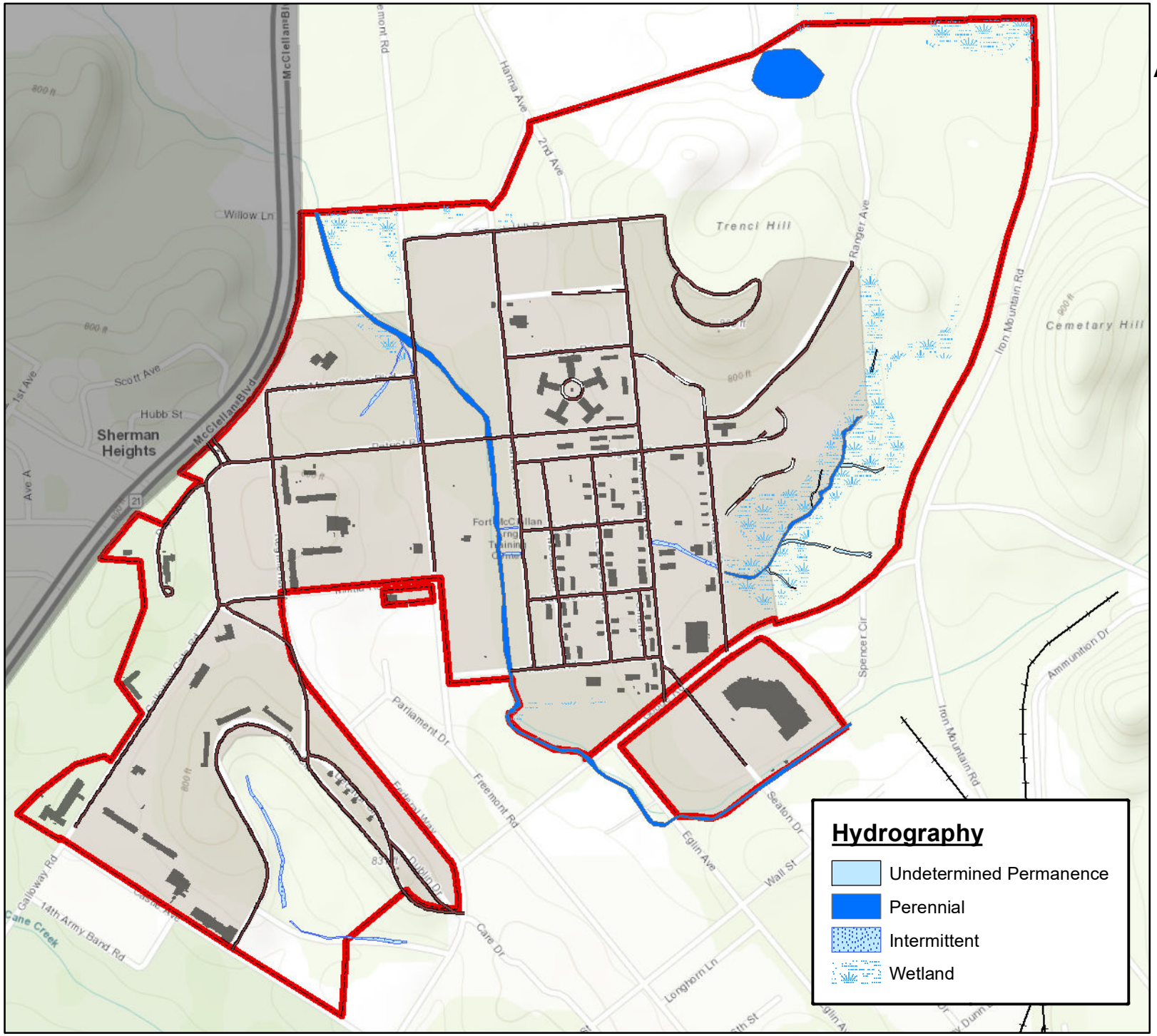


Figure 7b
FORT McCLELLAN
AL ARNG TRAINING CENTER
Main Enclave
Wetlands and Waterbodies

Installation Boundary

0.1 0.05 0 0.1
Miles

NORTH

WGS 1984
UTM Zone 16N

Installation Data: AL ARNG GIS
Basemaps: Esri World Street Map, World Topographic Map

Map By: Rebecca Turley Ridley
Date: 2021-04-01