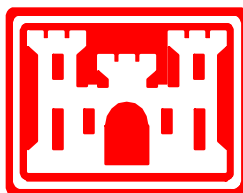


**FINAL  
ANNUAL REPORT 2010  
Removal Action  
At Former Camp Butner  
Butner, North Carolina**

**W912DY-04-D-0006  
Task Order: 0007  
Project No. I04NC000902**



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**The views, opinions, and/or findings contained in this report are those of the author(s) and should not be construed as an official Department of the Army position, policy, or decision, unless so designated by other documentation.**

**March 2011**



**Final Annual Report  
Removal Actions - 2010**

**Former Camp Butner  
Butner, North Carolina**



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### ACRONYMS AND ABBREVIATIONS

BIP	Blown-in-place
CFR	Code of Federal Regulations
DMM	Discarded Military Munition
ESS	Explosives Safety Submission
GPS	Global Positioning System
HAZWOPER	Hazardous Waste Operations
HE	High Explosives
HFD	Hazardous Fragmentation Distance
Lb	pound
MD	Munitions Debris
MEC	Munitions and Explosives of Concern
MGFD	Munition with the Greatest Fragmentation Distance
NCANG	North Carolina Army National Guard
PM	Project Manager
QA	Quality Assurance
QC	Quality Control
RAB	Restoration Advisory Board
ROE	Right(s) of Entry
SUXOS	Senior UXO Supervisor
USACE	U.S. Army Corps of Engineers
USA	USA Environmental, Inc.
USACE	U.S. Army Corps of Engineers
UXO	Unexploded Ordnance
UXOQCS	UXO Quality Control Specialist
UXOSO	UXO Safety Officer
UXOTI	UXO Technician I
UXOTII	UXO Technician II
UXOTIII	UXO Technician III

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## CHAPTER 1

### 1.0 INTRODUCTION

This chapter outlines the project regulatory authority and work performed by USA Environmental, Inc. (USA) for the U.S. Army Corps of Engineers (USACE) Savannah District, and describes the removal action conducted at the former Camp Butner located in Butner, North Carolina. This report is an annual report for work accomplished during 2010, and includes supporting documentation that can be found in Appendices A through F. Referenced tables are in the text of the report, while referenced figures (maps) can be found in Appendix D. All activities involving work in areas potentially containing munitions and explosives of concern (MEC) were conducted in full compliance with the U.S. Army Corps of Engineers (USACE), Department of the Army, and Department of Defense requirements regarding personnel, equipment, and procedures. All site operations were performed in accordance with the Scope of Work dated 27 June 2005 and including all revisions through 30 November 2010 (see Appendix A).

### 1.1 GENERAL DESCRIPTION

The former Camp Butner is comprised of approximately 40,384 acres, which includes the town of Butner and the North Carolina Army National Guard (NCANG) Camp Butner Training Site (See Figure D-1). The NCANG training site encompasses 4,750 acres of active range and is situated in portions of Person, Durham, and Granville Counties, in North Carolina. The boundary of the former Camp Butner is defined by the old Range Road, which makes a continuous loop around the site, although identified by multiple names and County designations. Approximately 75 percent of the site is located within Granville County. The northern and eastern boundaries roughly follow Range Road (County Road 1126). County Road 1721, which is a continuation of Range Road into Person County, defines the Camp's western boundary and continues southward onto Cassam Road. The Southern Railroad tracks define the southeastern border of the site. The nearest urban area to the site is Durham, which is 15 miles away.

### 1.2 AUTHORITY

USA was tasked under Contract Number W912DY-04-D-0006, Task Order No. 0007 to perform a removal action at Camp Butner. MEC is a safety hazard and may constitute a threat to the local population. USA performed the work associated with this response action in a manner consistent with USACE, Department of Army, and Department of Defense requirements. All operations at the site were performed in accordance with the Occupational Safety and Health Administration Hazardous Waste Operations and Emergency Response Standard 29 Code of Federal Regulation (CFR) 1910.120. As the responsible USACE district for remediation of the Defense Environmental Restoration Program for Formerly Used Defense Sites within North Carolina, USACE Wilmington District is responsible for the remediation of the former Camp Butner. USACE Savannah District is responsible for execution of MEC removal projects for North Carolina.

### 1.3 TECHNICAL SCOPE OF WORK

The objective of this project was to perform a removal action to remove and dispose of all explosive hazards within the selected areas at the former Camp Butner. For each subtask, specific quality control/quality assurance (QC/QA) targets were established with the requirement to remove all MEC objects with a width (diameter) or thickness inclusive of the QC/QA criteria MEC items, to a depth of 11 times the diameter of the criteria MEC items. The removal action complies with the signed Action Memoranda dated May 2005 and January 2006.

USA's technical approach to all sites is based on the use of detect and dig clearance operations using hand-held metal detectors or magnetometers. This report contains generic information about USA approach to the removal action and specific information about the results of each removal action subtask.

The following tasks were required by the Scope of Work:

- Task 1: Project Preparation and Planning
- Task 2: Work Plan
- Task 3: Removal Action
  - 3a: Area 1A Flamethrower Range
  - 3b: Complex 1 Area 4A
  - 3c: Complex 1 Area 4B
  - 3d: Complex 1 Area 4D
  - 3e: Complex 1 Area 4E
  - 3f: Complex 1 Area 4 Remaining Lands
  - 3g: Lakeview Subdivision
  - 3h: Complex 2 Area 4C
  - 3i: Complex 2 Area 4 Remaining Lands
  - 3j: Site-Wide Institutional Controls
  - 3k: Evacuation
  - 3m: Mobilizations/Demobilizations for Subtasks 3F and 3I
- Task 4: Geospatial Data
- Task 5: Final Report (converted to three Annual Reports by the 24 SEP 2008 revision of the SOW)
- Task 6: Project Management.

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## CHAPTER 2

### 2.0 DISCUSSION OF WORK PERFORMED

This chapter describes the primary work presented in this annual report to include the activities that were performed from July 2010 through December 2010 to implement Task 3, subtasks 3f and 3i. Removal actions were completed at Area 4, Complex 1, Units 10 through 14; at Area 4, Complex 2, Units 4 through 8; and at Area 4C.

Sections 2.1 through 2.5 describe general activities USA performed during each phase of the work, describing mobilization, field operations, MEC disposal, certification and disposal of Munitions Debris (MD), quality control, and demobilization. Tables in Sections 2.6 through 2.8 define the properties cleared, dates of actions, and results of the clearances. Sections 2.9 and 2.10 identify institutional control activities and evacuations incurred in support of the removal actions.

USA performed operations at the former Camp Butner project site in a systematic manner using proven operating techniques and methods. Operational activities were performed under the supervision and direction of qualified unexploded ordnance (UXO) personnel. Non-essential personnel were prohibited from performing operations, unless they were accompanied and supervised by a qualified UXO Technician. Throughout operations, USA strictly adhered to the following general practices.

- Operations were conducted during daylight hours only.
- All personnel attended a daily general safety briefing and tailgate safety briefing prior to beginning work on site.
- Visitors received a safety briefing prior to entering the operating areas and were escorted at all times by the Senior UXO Supervisor (SUXOS), UXO Safety Officer (UXOSO), or UXO Quality Control Specialist (UXOQCS).

The following general discussion addresses the work performed in execution of the Scope of Work tasks, including equipment and facilities utilized, data obtained, and removal action results.

### 2.1 PROJECT PREPARATION AND PLANNING

The project preparation and planning task includes a site visit and two Technical Project Planning meetings. USA conducted a post-award site visit on 8 August 2005, but no Technical Project Planning meetings were requested or conducted.

### 2.2 WORK PLAN

The Final Work Plan was submitted on 15 December 2005 and approved on 12 January 2006. The following amendments have been incorporated into the Work Plan:

- Amendment 1 – Submitted on 24 January 2006 to allow the option of detect and dig operations, as well as detect and flag operations.
- Amendment 2 – Submitted on 16 March 2007 to change the Munition with Greatest Fragmentation Distance (MGFD) for Area 4D from 37mm to 105mm projectile.
- Amendment 3 – Submitted on 11 October 2007 to incorporate Amendments 2 and 3 of the Explosives Safety Submission (ESS) and the 5 October 2007 approval memorandum and to incorporate the Hazardous Fragmentation Distances (HFDs) for all areas changed by ESS Amendment 3.
- Amendment 4 – Submitted on 8 November 2007 to change the HFD for Area 4C due to the finding of a 155mm projectile.

- Amendment 5 – Submitted on 3 April 2008 to change the HFD for Area 4C Complex 2 Remaining Lands due to the finding of a 155mm projectile.

## **2.3 PHASE I – MOBILIZATION**

This section discusses the activities conducted as part of the typical mobilization operation and provides the site-specific training that was completed by site personnel.

### **2.3.1 LOCAL COORDINATION**

The SUXOS mobilized on 10 July 2010 before the clearance teams in order to coordinate with local sources for leased equipment, lodging, and other support. The SUXOS visited as many of the first schedule residences as possible in order to coordinate evacuations. The SUXOS also received and inventoried project equipment and procured team materials. Four MEC teams mobilized on 18 July along with the UXOQCS and UXOSO, and 19 July was used for orientation and training of the MEC teams.

A local resident was hired as a Field Office Administrator (FOA), with the duties of assisting in preparation of daily and weekly reports, soliciting Right of Entry (ROE) signatures, and coordinating evacuations. The FOA was familiar with the community around Camp Butner, and for the duration of field work went door-to-door to explain ROE forms and obtain signatures, and to gain agreements to evacuate.

### **2.3.2 SITE-SPECIFIC TRAINING**

USA performed site-specific training for all personnel assigned to this project to ensure that all personnel fully understood the procedures and methods to perform operations at the former Camp Butner, their individual duties and responsibilities, and all safety and environmental practices/procedures associated with site operations. The following training was provided to site personnel.

- Prior to deployment, the SUXOS received operational briefings on his duties and responsibilities, and reviewed the work and safety plans.
- Prior to mobilization, all UXO personnel received 40-hour (or 8-hour refresher) training, as required.
- At the site and prior to the start of operations, the SUXOS and UXOSO provided the USA teams with ordnance recognition and MEC safety precautions training.
- All personnel received training on the individual equipment they were to operate while on site.

All personnel on site completed a pre-placement or annual physical examination that complies with the requirements of 29 CFR 1910.120. Also, all personnel were certified as fit to work by an Occupational Physician certified in Occupational Medicine by the American Board of Preventive Medicine or who, by necessary training and experience, is board eligible. All UXO personnel on site were participants in the USA medical surveillance program during site operations.

## **2.4 PHASE II – FIELD OPERATIONS**

This section describes the typical activities conducted as part of the Phase II field operations.

### **2.4.1 LOCATION SURVEYS**

For areas to be cleared, boundaries for the 2-acre areas around individual residences were estimated in the field by the SUXOS. The SUXOS recorded Global Positioning System (GPS) coordinates for the corners and submitted to the USA GIS Manager for development of more accurate maps. The GIS-developed maps were then submitted to the SUXOS for adjustment of corners, if necessary, to obtain the

required 2 acres of clearance. At times removal boundaries were less than 2 acres due to smaller lot size, and USA compensated where possible by enlarging boundaries over 2 acres where lot sizes permitted. As-built coordinates of the 2-acre areas were taken using the Trimble GeoXT.

#### 2.4.2 VEGETATION CLEARANCE

Many of the properties required cutting of vegetation in order to enable a proper MEC clearance. Much of the vegetation clearance was completed by the UXO Technicians using hand-held weed-whackers. Where large areas of high vegetation were encountered, a local farmer was hired to clear with a tractor-mounted bush hog.

#### 2.4.3 REMOVAL ACTION

Removal actions for the individual subtasks are described in Sections 2.6 through 2.9. In general, surface and subsurface removal operations were conducted to depth of detection. The HFD was based on the MGFDF defined for that subtask in the Work Plan.

##### 2.4.3.1 Detect/Dig Operations

Each MEC Team, consisting of a UXO Technician III (UXOTIII) Team Leader and five UXO Technician II/I (UXOTII/I) personnel, performed a metal detector search of the grids. Grids were searched in 5-ft lanes and cleared to depth. The anomalies were excavated, identified, recorded, and either destroyed by detonation in place or moved to a consolidation point within the area by the Demolition Team. The following subsections describe the equipment and procedures that the individual MEC Teams used to search and clear the individual grids.

###### 2.4.3.1.1 Equipment

The equipment requirements for this activity included:

- Schonstedt GA-52Cx magnetometers and White's all-metals detectors for detecting subsurface metallic anomalies
- Pre-marked baselines for subdividing grids into individual search lanes
- Rope reels containing nylon rope/twine for marking individual search lanes
- Five-gallon plastic buckets for temporary collection of recovered metal
- Miscellaneous common hand tools (e.g., shovels, pry bars, trowels)
- Forms and logbooks for recording site activities and MEC encountered.

###### 2.4.3.1.2 Search Lanes

Each property was gridded, and the grids subdivided into individual search lanes consisting of parallel paths approximately 5 ft wide that ran parallel to one boundary of the operating grid. Search lanes ran adjacent to each other and completely covered the entire operating grid. To lay out the search lanes, the MEC Team Leaders had team members perform the following steps:

- Select two opposing boundary lines for installation of the pre-marked lane base lines
- Install one of the pre-marked base lines along each boundary
- Lay out rope or twine between the marks on both baselines to mark individual lane boundaries.

#### 2.4.3.1.3 Detect/Dig Operation

After establishing the individual search lanes, the UXOTIII directed the UXOTII/I personnel to begin searching each lane with a Schonstedt GA-52Cx magnetometer, White's all-metals detector, or a combination of both depending on site geology. UXOTII/I personnel started at one end of each lane and moved forward toward the opposing baseline. During the forward movement, the individual moved the detector from one side of the lane to the other. Both forward movement and the swing of the detector were conducted at a pace that ensured a complete search of the lane and that the instrument was able to appropriately respond to subsurface anomalies.

Whenever encountering a subsurface anomaly or metallic surface object, the individual halted and investigated the anomaly. Each anomaly was excavated by carefully digging alongside of the location of the anomaly and removing the earth overburden using a shovel or trowel. When the overburden was removed to within 6 inches of the anomaly, the UXOTII/I removed the remaining earth using a trowel or other small digging implement. All anomalies were pursued to depth. At the completion of investigations, each hole was checked with a detector to ensure no metallic contacts remained. Throughout this operation, the UXOTIII closely monitored individual performance to ensure that these procedures were performed with due diligence and attention to detail.

#### 2.4.3.1.4 Records

The UXOTIII's prepared and maintained a detailed accounting of activities performed at each grid or residence. The Daily Operations Record included information pertaining to the following:

- The date and time operations began
- The date and time operations were completed
- The location, number, type, and description of MEC items encountered, and whether the MEC item was UXO or Discarded Military Munition (DMM)
- The location and number of subsurface anomalies detected and investigated
- An estimated weight, in pounds, of the MD removed from the grid
- The locations of all MEC items recorded by GPS in Universal Transverse Mercator coordinates.

#### 2.4.3.2 MEC Disposal

MEC disposal was conducted in accordance with the Work Plan, using sandbags or earth cover. Nearby residents were warned in advance of a pending demolition shot.

#### 2.4.3.3 MD Disposal

All recovered MD was placed in a 5-gallon bucket by clearance teams. A UXOTII performed a visual inspection at the end of each workday to ensure all MD did not contain any energetic material and all surfaces were clearly visible, free of dirt. The UXOTIII also visually inspected all MD to verify the MD was free of HE prior to placing all material in a 55-gallon drum and closing with a lid. The UXO TIII estimated MD weight at each area for entry into the grid log. The SUXOS secured all MD in a rented storage unit at the end of the workday. Upon completion of operations at each area, the SUXOS moved the MD to a CONEX container on Army National Guard property on the former Camp Butner site. All MD was inspected by the SUXOS, cleared of dried mud, and weighed on an inexpensive non-commercial scale. The SUXOS sealed the MD in 55-gallon drums, certified with a completed DD Form 1348-1A, and shipped to Chesapeake Metals, Inc., during demobilization. The shipment, consisting of 2,534 lbs of MD as weighed by the trucking company receiving the load, occurred on 16 December 2010. Chesapeake Metals, Inc., of Richmond, Virginia, confirmed destruction of 2534 lbs of MD on 20 December 2010 (see Appendix B).

#### 2.4.3.4 Quality Control and Quality Assurance

Throughout operations, USA performed QC inspections that consisted of daily inspections of operational activities and formal inspections of completed work. Daily inspections included checks of maintenance and calibration procedures, and assessment of compliance with the Work Plan (see Chapter 4, Tests). Following completion of investigations of a grid or property, the UXOQCS performed a formal inspection to determine if the MEC team had missed any metallic items of target size or larger. Upon passing the QC inspection, the grid or property was turned in to the USACE Savannah District Safety Specialist for approval. The Safety Specialist performed a Quality Assurance (QA) inspection of the completed grid or property, and signed a CEHNC Form 948 signifying that the property had passed inspection. No grids or properties were failed during QA inspections.

#### 2.4.4 MEETINGS AND PRESENTATIONS

Throughout the duration of field work, USA Project Manager (PM) attended Restoration Advisory Board (RAB) meetings in the Town of Butner to provide progress updates, discuss work plans for the upcoming quarter, and coordinate on issues such as evacuations or rights of entry (ROE). While field activities were in progress, USA PM provided weekly status reports to USACE Savannah District, to include fund expenditures and projections. Monthly project status reports were provided when field activities were not in progress.

### 2.5 PHASE III – DEMOBILIZATION

As part of the demobilization process, USA removed operational capability from the area and reallocated personnel and equipment to other projects. Following the completion of operations, leased/rented equipment was returned to vendors, and USA property was returned to the USA Oldsmar office. Signage was manufactured under the Time and Materials task, and extra signs were turned over to Wilmington District. Any damages to trees, utilities, or facilities were repaired or compensated by USA Environmental before demobilization. Re-vegetation or re-seeding was provided for individual residences, as required. All MD was certified by the SUXOS and verified by the USACE OE Safety Specialist, sealed in 55-gallon drums, and shipped to Chesapeake Metals, Inc., on 16 December 2010 during demobilization.

### 2.6 REMOVAL ACTIONS FOR AREA 4, COMPLEX 1 – SUBTASK 3F

This section summarizes the removal operations conducted at Complex 1 during 2010, which included 5 residences within Unit 10 and Units 11 through 14, a total of 45 residences. The MGFDF for Complex 1 was based on the 105mm projectile as the MGFDF, with an HFD of 341 ft. The 37 mm projectile was the smallest target anomaly for depth of detection. Figures D-3 through D-47 show the area cleared for each individual residence in Complex 1. Tables 2-1 through 2-6 identify the properties cleared, acreages, starting and ending dates, MEC and MD found, and number of anomalies investigated during the removal action. The grid log at Appendix B describes in detail the types of MEC and MD found at each property. Appendix E contains the CEHNC Forms 948 certifying approval of the removal action at each residence.

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**Table 2-1: Complex 1, Unit 10 Properties Cleared**

<b>Complex 1 - Unit 10 (Address)</b>	<b>Owner</b>	<b>Area Cleared (Acres)</b>	<b>Date Started</b>	<b>Date Completed</b>	<b>MEC items found</b>	<b>MD found (lbs)</b>	<b>Anomalies Investigated</b>
10-6 (1093 Bourbon Street)	Washington	1.0	12-Jul	20-Jul	0	66	1,009
10-7 (1091 Bourbon Street)	Mikels	1.0	12-Jul	20-Jul	0	0	2,010
10-8 (1089 Bourbon Street)	Carrigan	1.1	15-Jul	20-Jul	0	1	550
10-9 (1090 Bourbon Street)	Cope	1.6	19-Jul	20-Jul	0	3	1,610
10-10 (1088 Bourbon Street)	Dixon	1.2	15-Jul	20-Jul	0	0	934
Totals for 2010		5.9			0	70	6,113

**Table 2-2: Complex 1, Unit 11 Properties Cleared**

<b>Complex 1 - Unit 11 (Address)</b>	<b>Owner</b>	<b>Area Cleared (Acres)</b>	<b>Date Started</b>	<b>Date Completed</b>	<b>MEC items found</b>	<b>MD found (lbs)</b>	<b>Anomalies Investigated</b>
11-1 (1044 Enon Road)	Tunstall	1.8	20-Jul	2-Aug	0	0	2,865
11-2 (1114 Roberts Chapel Rd)	Schmidt	2.1	20-Jul	27-Jul	0	18	2,385
11-3 (1086 Roberts Chapel Rd)	Arrington	2.0	16-Aug	19-Aug	0	0	1,562
11-4 (1082 Wildlife Drive)	Marin-Quintero	1.0	11-Aug	16-Aug	0	0	185
11-5 (1078 Wildlife Drive)	Gibson	1.0	10-Aug	12-Aug	0	0	335
11-6 (1074 Wildlife Drive)	Brelinsky	1.0	9-Aug	10-Aug	0	0	440
11-7 (1072 Wildlife Drive)	Waldron	1.0	4-Aug	9-Aug	0	4	257
11-8 (1068 Wildlife Drive)	Waters	1.0	3-Aug	4-Aug	0	2	700
11-9 (1058 Wildlife Drive)	Beckwith	1.4	26-Jul	27-Jul	0	1	742
11-10 (1062 Wildlife Drive)	Boone	1.4	27-Jul	3-Aug	0	0	1,290
Totals		13.7			0	25	10,761

**Table 2-3: Complex 1, Unit 12 Properties Cleared**

<b>Complex 1 - Unit 12 (Address)</b>	<b>Owner</b>	<b>Area Cleared (Acres)</b>	<b>Date Started</b>	<b>Date Completed</b>	<b>MEC items found</b>	<b>MD found (lbs)</b>	<b>Anomalies Investigated</b>
12-1 (1065 Wildlife Drive)	Watkins	1.5	27-Jul	4-Aug	0	21	1,939
12-2 (1067 Wildlife Drive)	Ray	1.0	4-Aug	12-Aug	0	16	2,455
12-3 (1061 Wildlife Drive)	Hendon	1.4	27-Jul	2-Aug	0	0	1,826
12-4 (1071 Wildlife Drive)	McFarland	1.2	11-Aug	19-Aug	1*	19	1,970
12-5 (1086 Wildlife Drive)	Barrett	1.2	16-Aug	17-Aug	0	0	210
12-6 (1077 Wildlife Drive)	Elmore	2.5	9-Aug	11-Aug	0	0	1,430
12-7 (1064 Wildlife Drive)	Watkins	0.9	29-Jul	3-Aug	0	3	815
12-8 (1081 Wild Briar Lane)	Hansley	0.8	23-Aug	25-Aug	0	0	712
12-9 (1080 Wild Briar Lane)	Gillis	1.9	19-Aug	25-Aug	0	1	2,653
12-10 (3542 Saddle Ridge Rd)	Overby	0.9	23-Aug	24-Aug	0	0	1,680
<b>Totals</b>		13.3			1	60	15,690

\*60mm HE mortar found on 16 August 2010

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**Table 2-4: Complex 1, Unit 13 Properties Cleared**

<b>Complex 1 - Unit 13 (Address)</b>	<b>Owner</b>	<b>Area Cleared (Acres)</b>	<b>Date Started</b>	<b>Date Completed</b>	<b>MEC Items found</b>	<b>MD found (lbs)</b>	<b>Anomalies Investigated</b>
13-1 (1094 Roberts Chapel Road)	Schmidt	2.0	8-Nov	11-Aug	0	1	3,161
13-2 (176 Enon Road)	Seaford	2.0	13-Oct	21-Oct	0	2	1,560
13-3 (4109 Blue Mountain Road)	Dearborn	7.8	12-Oct	27-Oct	1*	149	4,780
13-4 (5315 Isham Chambers Rd)	Hester	2.0	1-Nov	3-Nov	0	0	3,673
13-5 (1026 Enon Road)	Glover	2.0	10-Sep	12-Oct	0	0	1,730
13-6 (1112 Enon Road)	Hilton	2.3	30-Aug	7-Sep	0	6	4,681
13-7 (4149 Crown Oaks Drive)	Scoggins	2.1	17-Nov	22-Nov	0	2	275
13-8 (4144 Blue Creek Lane)	Hemig	4.1	25-Aug	26-Aug	0	42	755
13-9 (8412 Range Road)	Mangum	2.0	29-Sep	4-Oct	0	0	1,400
13-10 (1000 Fate Washington Rd)	Daniels	2.0	1-Nov	2-Nov	0	0	600
<b>Totals</b>		<b>28.3</b>			<b>1</b>	<b>202</b>	<b>22,615</b>

\* 155mm HE projectile found on 18 October 2010.

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**Table 2-5: Complex 1, Unit 14 Properties Cleared**

<b>Complex 1 - Unit 14 (Address)</b>	<b>Owner</b>	<b>Area Cleared (Acres)</b>	<b>Date Started</b>	<b>Date Completed</b>	<b>MEC Items found</b>	<b>MD found (lbs)</b>	<b>Anomalies Investigated</b>
14-1 (1119 Bowling Mountain Rd)	Bass	2.3	21-Oct	26-Oct	0	0	1,250
14-2 (1133 Bowling Mountain Rd)	Campbell	1.9	25-Oct	26-Oct	0	0	1,024
14-3 (4093 Range Road)	Perunko	2.0	26-Oct	1-Nov	0	0	1,229
14-4 (1002 Fate Washington Road)	Hoppenworth	2.2	25-Oct	27-Oct	0	0	1,230
14-5 (1102 Fate Washington Road)	Jackson	2.0	17-Nov	18-Nov	0	1	925
14-6 (1072 Fate Washington Road)	Norris	2.0	29-Nov	1-Dec	0	0	2,118
14-7 (1084 Fate Washington Road)	Peebles	2.0	10-Nov	11-Nov	0	0	450
14-8 (1096 Fate Washington Road)	Corbin	2.0	11-Nov	17-Nov	0	0	1,029
14-9 (4139 Blue Mountain Road)	Jones	2.0	22-Nov	29-Nov	0	1	1,705
14-10 (4139-A Blue Mountain Road)	Jones	2.1	22-Nov	29-Nov	0	48	724
<b>Totals</b>		<b>20.5</b>			<b>0</b>	<b>50</b>	<b>11,684</b>

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**2.7 REMOVAL ACTION FOR AREA 4, COMPLEX 2 – SUBTASK 3I**

This section summarizes the removal operations conducted at Complex 2 during 2010, which included Units 4 through 8, a total of 40 residences. The MGF D for Complex 2 was based on the 155mm projectile as the MGF D, with an HFD of 395 ft. The 37 mm projectile was the smallest target anomaly for depth of detection. Figures D-48 through D-97 show the area cleared for each individual residence. Tables 2-6 through 2-10 identify the properties cleared, acreages, starting and ending dates, MEC and MD found, and number of anomalies investigated during the removal action. The grid log at Appendix B describes in detail the types of MEC and MD found at each property. Appendix E contains the CEHNC Forms 948 certifying approval of the removal action at each residence.

**Table 2-6: Complex 2, Unit 4 Properties Cleared**

Complex 2 - Unit 4 (Address)	Owner	Area Cleared (Acres)	Date Started	Date Completed	MEC Items found	MD found (lbs)	Anomalies Investigated
Unit 4-1 (195 Enon Road)	Daniel	3.0	3-Aug	19-Aug	0	291	4,440
Unit 4-2 (193 Enon Road)	Hicks	3.2	2-Aug	19-Aug	0	427	7,711
Unit 4-3 (1041 Enon Road)	Baczek	1.2	7-Sep	10-Sep	0	0	890
Unit 4-4 (1043 Enon Road)	Tarlton	1.8	8-Sep	10-Sep	0	0	2,170
Unit 4-5 (1049 Enon Road)	Mazlak	2.0	7-Sep	10-Sep	0	0	1,915
Unit 4-6 (1319 Berea Road)	Winstead	0.7	10-Sep	15-Sep	0	0	2,662
Unit 4-7 (11158 Range Road)	Harris, Richard	2.0	26-Aug	1-Sep	0	0	1,090
Unit 4-8 (89 George Harris Road)	Harris, Elsie	2.0	31-Aug	1-Sep	0	0	2,100
Unit 4-9 (11014 Range Road)	Harris, George	1.8	24-Aug	31-Aug	0	0	1,975
Unit 4-10 (90 George Harris Road)	Harris, George	1.0	24-Aug	31-Aug	0	0	1,575
<b>Totals</b>		<b>18.7</b>			<b>0</b>	<b>718</b>	<b>26,528</b>

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**Table 2-7: Complex 2, Unit 5 Properties Cleared**

Complex 2 - Unit 5 (Address)	Owner	Area Cleared (Acres)	Date Started	Date Completed	MEC Items Found	MD found (lbs)	Anomalies Investigated
Unit 5-1 (501 Enon Road)	Harrison	2.0	13-Sep	20-Sep	0	259	4,598
Unit 5-2 (88 George Harris Road)	Harris	2.0	10-Sep	4-Oct	0	0	5,145
Unit 5-3 (267 George Harris Road)	Mangum, Carl	1.8	13-Sep	4-Oct	0	0	1,603
Unit 5-4 (347 Bethany Church Rd)	Mangum, Bill	1.9	27-Sep	4-Oct	0	0	2,750
Unit 5-5 (4669 Range Road)	White	1.9	4-Oct	7-Oct	0	0	275
Unit 5-6 (1741 Berea Road)	Newsome	3.3	20-Sep	23-Sep	0	0	1,820
Unit 5-7 (1715A Berea Road)	Mangum, Nancy	1.8	20-Sep	23-Sep	0	0	2,110
Unit 5-8 (1077 Enon Road)	Adcock	2.0	27-Sep	4-Oct	1*	15	3,367
Unit 5-9 (531 Berea Road)	Morris	1.4	27-Sep	4-Oct	0	0	575
Unit 5-10 (1715B Berea Road)	Mangum, Nancy	2.7	23-Sep	4-Oct	0	0	1,228
Totals		20.8			1	274	23,471

\*2.36" rocket HEAT found on 30 September 2010

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**Table 2-8: Complex 2, Unit 6 Properties Cleared**

<b>Complex 2 - Unit 6 (Address)</b>	<b>Owner</b>	<b>Area Cleared (Acres)</b>	<b>Date Started</b>	<b>Date Completed</b>	<b>MEC Items found</b>	<b>MD Found (lbs)</b>	<b>Anomalies Investigated</b>
Unit 6-1 (5067 Range Road)	Baskett	1.6	4-Oct	6-Oct	0	0	400
Unit 6-2 (5071 Range Road)	Brogden	1.5	4-Oct	6-Oct	0	0	1,580
Unit 6-3 (5073 Range Road)	McKnight	1.5	4-Oct	6-Oct	0	0	898
Unit 6-4 (5075 Range Road)	Miller	1.4	6-Oct	7-Oct	0	1	642
Unit 6-5 (5079 Range Road)	Harding	1.3	5-Oct	7-Oct	0	0	325
Unit 6-6 (5087 Range Road)	Beard	2.0	19-Oct	21-Oct	0	3	1,139
Unit 6-7 (5097 Range Road)	Sandifer	2.0	18-Oct	21-Oct	0	0	515
Unit 6-8 (5201 Range Road)	Black	1.0	7-Oct	11-Oct	0	0	525
Unit 6-9 (5203 Range Road)	Wilker- son	0.9	7-Oct	11-Oct	0	0	714
Unit 6-10 (580 A&W Bowling Road)	Day	1.2	11-Oct	13-Oct	0	0	1,959
<b>Totals</b>		14.4			0	4	8,697

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**Table 2-9: Complex 2, Unit 7 Properties Cleared**

<b>Complex 2 - Unit 7 (Address)</b>	<b>Owner</b>	<b>Area Cleared (Acres)</b>	<b>Date Started</b>	<b>Date Completed</b>	<b>MEC Items found</b>	<b>MD found (lbs)</b>	<b>Anomalies Investigated</b>
Unit 7-1 (655 Bethany Church Rd)	Mangum, John	2.1	12-Oct	18-Oct	5*	143	3,936
Unit 7-2 (61 A&W Bowling Road)	Day	1.1	11-Oct	13-Oct	0	0	300
Unit 7-3 (4536 Sugar Maple Rd)	Hilliard	1.9	15-Nov	16-Nov	0	8	279
Unit 7-4 (5447 Range Road)	Piper	2.0	4-Nov	9-Nov	0	0	716
Unit 7-5 (1119 Enon Road)	Adcock	0.5	27-Oct	1-Nov	0	0	428
Unit 7-6 (4532 Sugar Maple Rd)	Swift	1.9	18-Nov	22-Nov	0	10	568
Unit 7-7 (4539 Sugar Maple Rd)	Gregory	1.2	11-Nov	11-Nov	0	2	425
Unit 7-8 (4559 Sugar Maple Rd)	Wilson	2.0	28-Oct	3-Nov	0	1	550
Unit 7-9 (4528 Sugar Maple Rd)	Williams	1.6	18-Nov	22-Nov	0	5	750
Unit 7-10 (4551 Sugar Maple Rd)	Peace	2.3	9-Nov	10-Nov	0	11	830
<b>Totals</b>		16.6			5	180	8,782

\*Four 81mm HE mortars found on 13 October 2010, one 81mm HE mortar found on 14 October 2010.

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**Table 2-10: Complex 2, Unit 8 Properties Cleared**

<b>Complex 2 - Unit 8 (Address)</b>	<b>Owner</b>	<b>Area Cleared (Acres)</b>	<b>Date Started</b>	<b>Date Completed</b>	<b>MEC Items found</b>	<b>MD found (lbs)</b>	<b>Anomalies Investigated</b>
Unit 8-1 (4575 Sugar Maple Road)	Jeffries	1.0	16-Nov	17-Nov	0	10	425
Unit 8-2 (4533 Sugar Maple Road)	Holcomb	1.7	10-Nov	11-Nov	0	8	450
Unit 8-3 (4540 Sugar Maple Road)	Braxton	1.8	15-Nov	16-Nov	0	14	350
Unit 8-4 (4547 Sugar Maple Road)	Thomas	2.3	3-Nov	8-Nov	0	4	804
Unit 8-5 (4543 Sugar Maple Road)	Cannady	1.3	2-Nov	3-Nov	0	0	450
Unit 8-6 (4555 Sugar Maple Road)	Filler	2.0	3-Nov	8-Nov	0	4	850
Unit 8-7 (4571 Sugar Maple Road)	Logan	1.2	15-Nov	17-Nov	0	16	550
Unit 8-8 (4567 Sugar Maple Road)	Hudnall	1.2	15-Nov	17-Nov	0	4	980
Unit 8-9 (4535 Sugar Maple Road)	French	1.2	9-Nov	10-Nov	0	5	260
Unit 8-10 (4579 Sugar Maple Road)	Wade	1.5	11-Nov	17-Nov	0	13	560
<b>Totals</b>		15.2			0	78	5,679

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## 2.8 REMOVAL ACTION FOR AREA 4C – SUBTASK 3

This section summarizes the removal operations conducted at Area 4C during 2010, which included Units 4C-9 and 4C-10, a total of 2 residences. The MGF for Area 4C was based on the 155mm projectile as the MGF, with an HFD of 450 ft. The 37 mm projectile was the smallest target anomaly for depth of detection. Figures D-98 and D-99 show the area cleared for each individual residence. Table 2-11 identifies the properties cleared, acreages, starting and ending dates, MEC and MD found, and number of anomalies investigated during the removal action. The grid log at Appendix B describes in detail the types of MEC and MD found at each property. Appendix E contains the CEHNC Forms 948 certifying approval of the removal action at each residence.

**Table 2-11: Area 4C Properties Cleared**

Complex 2 - Area 4C (Address)	Owner	Area Cleared (Acres)	Date Started	Date Completed	MEC Items found	MD* found (lbs)	Anomalies Investigated
Unit 4C-9 (4578 Uzzle Road)	Blalock	1.9	1-Dec	14-Dec	1*	740	12,318
Unit 4C-10 (4573 Uzzle Road)	Glosson	2.1	1-Dec	9-Dec	0	469	5,760
Totals		4.0			1	1209	18,078

\*MKII HE hand grenade found on 14 December 2010.

## 2.9 SITE WIDE INSTITUTIONAL CONTROLS – SUBTASK 3J

### 2.9.1 RESTORATION ADVISORY BOARD SUPPORT

During the clearance actions at former Camp Butner, USA participated in two semi-annual RAB meetings, presenting updates on progress of the work and recording minutes of the meetings.

### 2.9.2 SIGNAGE REPLACEMENT

At the request of USACE Savannah District, USA arranged for the manufacture of 24 signs (12 in English and 12 in Spanish) to replace signs which had been removed at five locations, and to provide spares for future replacements. USA replaced missing signs at the following locations (see Status Map D2):

- Intersection of Roberts Chapel Road and Lakeview Subdivision
- Entrance to Fletcher's Pointe Subdivision
- Intersection of Enon Road and East Range Road
- Intersection of Bethany Church/Enon Road and Uzzle Road
- North side of Enon Road between Sugar Maple Road and the high-tension powerline crossing.

USA turned over the remaining spare signs to USACE Wilmington District.

## 2.10 EVACUATIONS – SUBTASK 3K

USA coordinated with residents affected by the HFD a week ahead of removal actions scheduled for that area to determine if they would be away from their home during work hours. If they worked out of their home or were homebound and had no other options, USA offered to evacuate them to a motel during

clearance activities. The typical evacuation consisted of providing a motel room and meals. Gasoline was also provided if requested.

A total of 263 evacuations were incurred during 2010 in accordance with Table 2-12, while 434 evacuations were incurred during previous years.

**Table 2-12: Evacuations by Areas Cleared**

Area Cleared	Evacuations
1A	3
Lakeview Subdivision	23
4A	5
4D	113
4B	3
4C	47
Area 4 Complex 2 Units 1 thru 3 (2009)	60
Area 4 Complex 1 Units 1 thru 10 (2009)	180
Area 4 Complex 1 Units 10 thru 14 (2010)	173
Area 4 Complex 2 Units 4 thru 8 (2010)	90
TOTAL EVACUATIONS	697

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## CHAPTER 3

### 3.0 DOCUMENTATION

This section discusses the documentation generated during the Camp Butner project, operating procedures/issues, and lessons learned during the conduct of operations at the project site.

#### 3.1 GRID RECORDS

Appendix B contains MEC and MD accountability documentation for all properties cleared, to include grid tracking logs, a MEC accountability log (spreadsheet), explosive usage and accountability documents, MD destruction certifications with 1348 Forms, and grid records.

#### 3.2 SITE PHOTOGRAPHS

Digital color photographs of major activities and MEC discoveries are provided in Appendix C.

#### 3.3 FIGURES

Appendix D provides figures showing the boundaries of clearance and locations of MEC found during the removal action.

#### 3.4 QC/QA DOCUMENTATION

Appendix E contains QC/QA documentation, including HND 948 forms, QC daily operator instrument test forms, and weekly and daily QC inspection records.

#### 3.5 WEEKLY REPORTS

Appendix F contains daily and weekly operations summaries documented by the SUXOS.

#### 3.6 LESSONS LEARNED

##### 3.6.1 EVACUATIONS

During the first two years of Camp Butner field operations, USA Environmental experienced costly delays in operations due to refusal of affected residents to evacuate their residence so that our teams could conduct a removal. Refusal of a resident to evacuate often forced the work force to shift to another residence and denied his neighbors the benefits of having their property cleared. USA solved that problem in 2009 by hiring a local FOA to focus on acquiring rights of entry and coordinating evacuations well ahead of time.

For the 2010 field effort, USA field personnel devoted extra attention to finding options for evacuating residents who would not accept the traditional motel, meal, and gas evacuation package. In one case, USA arranged for rental of a shop building for an owner who had previously refused evacuation. Rental of an off-site building allowed him to continue to work while away from his home-based business. In another case, USA arranged for rental of an apartment building so that a home daycare business could continue their operation while evacuated. This approach allowed us to clear residences we might otherwise have not been able to clear.

### 3.6.2 DEMOLITION PROCEDURES

A 155mm HE projectile was found at Complex 1 Unit 13-3, a horse farm containing very expensive show and breeding horses. The owner was concerned that noise and ground shock would greatly upset her horses. Special demolitions procedures were applied in order to minimize ground shock and noise. The projectile was laid in a hole 36 inches deep, on a bed of sand. A shape charge was set at the rear of the round just forward of the rotating bands and another placed over the booster at the front of the round. The shot hole was covered with the prescribed sand bag barricade for a high-order detonation, although a low-order detonation was desired. The low-order detonation was successfully accomplished, with minimal shock and noise. The clean-up shot was accomplished the next day using a much-reduced sandbag barricade, which greatly reduced ground shock. The overall results of this procedure were that the horses were not seriously disturbed by noise or ground shock. Photos C-20 through C-27 in Appendix C illustrate the process and the results for this action.

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## CHAPTER 4

### 4.0 TESTS

This chapter details the equipment testing and calibration, QC inspections and audits, and reporting procedures USA used at the former Camp Butner. Throughout site operations the UXOQCS performed QC checks of equipment, procedures, and performance.

#### 4.1 INSTRUMENT AND EQUIPMENT TESTING, CALIBRATION, AND MAINTENANCE

This section describes the methods and procedures used for instrument and equipment testing, calibration, and maintenance.

##### 4.1.1 TESTING PROCEDURES AND FREQUENCY

Instruments and equipment (e.g., navigational, data analysis, and transfer systems) used to gather and generate site data were tested with sufficient frequency and in such a manner as to ensure that accuracy and reproducibility of results are consistent with the manufacturer's specifications.

The method performed for measuring the instrument response was conducted at the start of each workday, over a test area, and comparing that response and position to a known response and position recorded prior to the instrument's initial placement into service. Instruments or equipment failing to meet the standard was repaired, recalibrated, or replaced. Replaced instruments or equipment met the same specifications for accuracy and precision as the item removed from service. Items such as cellular telephones and cellular walkie-talkies were tested for serviceability at the start of each workday.

##### 4.1.2 GEOPHYSICAL TEST STRIP

USA established the geophysical test strip at the office trailer compound. The configuration and layout of the test strip followed the characteristics in Table 4-1.

**Table 4-1: Test Strip As-Built Characteristics**

	Seed ID	Local X (ft)	Local Y (ft)	Depth (ft)	Orientation	Inclination
1	Test Strip Start rebar	0	0	flush	NA	Vertical
2	MKII grenade	10	-1	0.5	Along-track	Horizontal
3	MKII grenade	20	2	0.5	Across-track	45 degrees
4	MKII grenade	30	0	1.5	NA	Vertical
5	MKII grenade	40	-2	1.5	Across-track	Horizontal
6	MKII grenade	50	1	1.5	Along-track	Horizontal
7	MKII grenade	60	0	2.0	Along-Track	Horizontal
8	MKII grenade	70	2	2.0	NA	Vertical
9	Test Strip End rebar	80	0	flush	NA	Vertical

##### 4.1.3 ROUTINE EQUIPMENT CHECKS

GPS equipment was checked each day before being placed into service. Each detector was tested each workday prior to being placed into service. This test included a functions check and the locating of selected anomalies within the test strip. Functions checks involved moving the on/off/volume/range

selector switches through the various positions, determining the serviceability/functionality of each instrument. Instruments failing this test were repaired or replaced as directed by the SUXOS or UXOQCS.

#### 4.1.4 CALIBRATION

Calibration of instruments and equipment requiring calibration or recalibration was completed in accordance with the manufacturer's recommendation or owner's manual.

#### 4.1.5 MAINTENANCE

Scheduled maintenance of the following equipment was performed in accordance with the manufacturer's recommendation or owner's manual for equipment requiring regular upkeep:

- Vehicles
- Powered Equipment
- Personal Protective Equipment
- Communications Equipment
- Navigational Equipment
- Handheld Metal Detectors
- Emergency Equipment.

## 4.2 QUALITY CONTROL

This section describes the QC methods and procedures used during site operations.

#### 4.2.1 QC/QA SEED ITEMS

Blind seed items were planted at all of the units in Area 4 Complex 1, Complex 2, and Area 4C during 2010. All blind seed items were recovered. The BSI Log is contained in Appendix E.

#### 4.2.2 HANDHELD METAL DETECTOR

A QC survey was performed using a handheld locator of the same technology used for the original survey covering a minimum of 10% of each grid after field operations were completed. Excavations of any un-dug anomalies discovered during the QC survey were thoroughly investigated and the results recorded. In addition, a QC check of selected investigated anomalies was performed to demonstrate that the excavation removed the anomaly and there were no remaining items of concern. For all areas of the project, the USACE Savannah District Safety Specialist issued CEHNC Form 948's passing all grids (see Appendix E).

#### 4.2.3 FAILURE CRITERIA

During the USA QC or Government QA of any grid, if a piece of ferrous metal equivalent in size to the smallest target anomaly for that area (as defined by the Scope of Work) or larger or any MEC item was found, the grid was failed. There were three QC failures reported during the field effort, and all three properties were re-cleared and passed upon QC re-inspection. There were no QA failures.

#### 4.2.4 CORRECTIVE ACTION REQUESTS

During the course of the field effort, no corrective action requests were issued by the Government.

#### 4.2.5 MD

MD was 100% properly inspected in accordance with the approved Work Plan. USA's SUXOS and the USACE OE Safety Specialist certified and verified the MD respectively by signature on the DD Forms 1348-1A. The SUXOS and UXOQCS ensured that procedures were followed that precluded any explosive or energetic material from being released to the public, and required documentation was maintained on file for inspection purposes.

### 4.3 QUALITY CONTROL INSPECTIONS, AUDITS, AND REPORTS

The UXOQCS was responsible for the accomplishment of operational checks of instruments and equipment by site personnel and ensuring the appropriate log entries were made. The UXOQCS performed inspections and or audits at random (see Appendix E) and unscheduled checks of the site to ensure personnel accomplished all work as specified in the Work Plan. The UXOQCS conducted inspections of all cleared properties, and all were checked and accepted by the Government (see Appendix E).

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**CHAPTER 5**

**5.0 FINANCIAL BREAKDOWN**

Contract project tasks were a combination of Firm Fixed Price (FFP) and Time & Material (T&M). Table 5-1 includes T&M costs for Task 3J during 2010 for man-hours, materials, and travel. G&A costs are not shown.

**Table 5-1: Task 3J T&M Costs During 2010**

CLIN/Item #	Task #3j Description	Unit Price	Total Hours	Amount
<b>Labor</b>				
	Project Manager	\$88.22	38.0	\$3,352.36
	Field Officer Admin (OT)	\$45.56	2.0	\$91.11
	SUXOS 0% (O/T)	\$118.08	2.0	\$236.16
	SUXOS 4%	\$81.86	3.0	\$245.58
	UXO TECH II 4%	\$47.41	3.0	\$142.23
	UXO TECH I 4%	\$39.19	3.0	\$117.57
	<b>Sub-Total Labor</b>		<b>51.0</b>	<b>\$4,185.01</b>
<b>Materials</b>				
	Equipment (signage)			\$1,276.84
	Gasoline			\$12.00
	<b>Sub-Total Materials</b>			<b>\$1,288.84</b>
<b>Travel</b>				
	Lodging & Travel			\$875.31
	<b>Sub-Total Travel</b>			<b>\$875.31</b>
	<b>Total Costs Task 3j</b>			<b>\$ 6,349.16</b>

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## CHAPTER 6

### 6.0 SUMMARY

#### 6.1 REMOVAL ACTION SUMMARY

##### 6.1.1 REMOVAL ACTIONS

USA completed all tasks safely and efficiently and in accordance with the Scope of Work and approved Work Plan. USA closely coordinated with USACE Savannah District, USACE Wilmington District, and local officials. During the 2010 removal actions at Area 4 Complex 1 and 2, USA investigated nearly 159,000 anomalies from 97 residences, finding and destroying 9 MEC items. Table 6-1 summarizes the results for each of the units. Weights of MD reported in the table are as estimated by the team leader at the grid, while weights recorded on the DD 1348-1 were weighed on non-commercial scales after the SUXOS cleaned the mud and dirt off the MD items. A single shipment of MD totaling 2534 lbs (non-commercial scales) was shipped to a Chesapeake Metals Inc., facility in Richmond Virginia, where destruction was certified on 20 December 2010.

**Table 6-1: Results of 2010 Removal Actions**

<b>Subtask</b>	<b>Residences</b>	<b>Acres</b>	<b>MEC Items Found</b>	<b>MD (lbs) per grid log</b>	<b>Anomalies Investigated</b>
Complex 1 Unit 10	5	5.9	0	70	6,113
Complex 1 Unit 11	10	13.7	0	25	10,761
Complex 1 Unit 12	10	13.3	1	60	15,690
Complex 1 Unit 13	10	28.3	1	202	22,615
Complex 1 Unit 14	10	20.5	0	50	11,684
Complex 2 Unit 4	10	18.7	0	718	26,528
Complex 2 Unit 5	10	20.8	1	274	23,471
Complex 2 Unit 6	10	14.4	0	4	8,697
Complex 2 Unit 7	10	16.6	5	180	8,782
Complex 2 Unit 8	10	15.2	0	78	5,679
Area 4C	2	4.0	1	1209	18,078
<b>Totals</b>	<b>97</b>	<b>171.4</b>	<b>9</b>	<b>2870</b>	<b>158,098</b>

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### 6.1.2 MEC SUMMARY

Table 6-2 summarizes, by areas, the MEC items recovered and disposed during MEC removals, while the following paragraphs summarize removal actions for each area. Figure D-2 provides the overall status map for all areas cleared under this task order during 2010, and Figure D-2A provides the overall status for all areas cleared under this task order since fieldwork began in 2006.

**Table 6-2: MEC Items Recovered and Disposed 2010**

<b>MEC Item</b>	<b>Type</b>	<b>Area Found</b>	<b># Found</b>
60mm mortar	UXO	Complex 1 Unit 12-4	1
2.36" rocket	UXO	Complex 2 Unit 5-8	1
81mm mortar (M43)	UXO	Complex 2 Unit 7-1	5
155mm HE projectile	UXO	Complex 1 Unit 13-3	1
MKII hand grenade	DMM	Area 4C-9	1
		<b>Total MEC Found</b>	<b>9</b>

### 6.2 INSTITUTIONAL CONTROLS

During the removal actions at former Camp Butner during 2010, USA participated in 2 RAB meetings, presenting updates on progress of the work and recording minutes of the meetings. USA secured ROEs for many of the residents scheduled for removals, and arranged for manufacture and installation of replacement signage.

### 6.3 EVACUATIONS

During clearance operations in 2010, a total of 263 paid evacuations of residences occurred.

End of document.



**APPENDIX A**

**A.0 SCOPE OF WORK**

This appendix contains a copy of the Scope of Work (SOW) for the Non Time-Critical Removal Action, Former Camp Butner, Butner, North Carolina, dated 27 June 2005, and including all revisions through Modification 20 dated 30 November 2010.

SCOPE OF WORK  
MILITARY MUNITIONS RESPONSE PROGRAM (MMRP)  
NON TIME-CRITICAL REMOVAL ACTION  
FORMER CAMP BUTNER  
BUTNER, NORTH CAROLINA  
PROJECT NO. I04NC000902  
W912DY-04-D-0006  
Task Order #0007  
27 JUNE, 2005  
Revised 01 MAR 2007  
Revised 28 MAR 2007  
Revised: 10 DEC 2007  
Revised: 12 MAY 2008  
Revised 22 JUN 2008  
*Revision: 24 SEP 2008*

***Summary of 24 SEP 2008 Changes: Revise Paragraph 3.5, Task 5, Final Report terminology (now: "Annual Report") to reflect the annual reporting requirement.***

1.0 OBJECTIVE:

The objective of this task order is for the contractor to perform a removal action (RA) to remove and dispose of all explosive hazards within the selected areas at the Former Camp Butner. The RA shall be in accordance with the signed Action Memorandum(s) dated December 2004.

2.0 BACKGROUND AND GENERAL STATEMENT OF WORK:

2.1 Regulatory Guidelines. The work required under this Scope of Work (SOW) falls under the Defense Environmental Restoration Program - Formerly Used Defense Sites (DERP-FUDS). Munitions and Explosives of Concern (MEC) exist on property formerly owned or leased by the Department of Army.

2.1.1 MEC is a safety hazard and may constitute an imminent and substantial endangerment to the local populace and site personnel. The work associated with this Non Time-Critical Removal Action (NTCRA) shall be performed in accordance with the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Section 104, and the National Contingency Plan (NCP), Sections 300.120(d) and 300.400(e).

2.1.2 All activities involving work in areas potentially containing unexploded ordnance hazards shall be conducted in full compliance with Department of Defense (DoD), Department of Army, US Army Corps of Engineers (USACE), state and local requirements regarding personnel, equipment, and procedures. 29 CFR 1910.120 shall apply to all actions taken at this site.

2.2 Chemical Warfare Materiel (CWM). This site is not suspected of containing CWM. However, during conventional MEC operations, if the contractor identifies or suspects CWM, the contractor shall immediately withdraw upwind from the work area and contact the United States Army Engineering and Support Center

Huntsville (USAESCH) Ordnance and Explosives (OE) Safety Office (Wayne Galloway 256-895-1582). The contractor shall secure the area and provide two personnel located upwind of the suspect CWM to secure the site until relieved by the Technical Escort Unit (TEU) or Explosive Ordnance Disposal (EOD) personnel.

### 3.0 SPECIFIC REQUIREMENTS:

Quality Control: The Contractor shall implement an accepted Quality Control (QC) Program. The Quality Control Program shall include QC procedures for all aspects and types of work. The Contractor shall ensure that QC documentation is maintained, and provided in the Final Reports.

If any Government QA review identifies a process failure or a work product failure, the contractor will be issued a Corrective Action Request (CAR). The Contractor shall provide full documentation detailing the cause of the failure, why it was not detected in the Contractor's QC Program, and how the problem was corrected. Failure can be defined as workmanship or work products not complying with the WP or not meeting project needs and/or objectives.

### 3.1 (TASK 1) PROJECT PREPARATION AND PLANNING:

This Task is Firm Fixed Price.

The contractor is authorized a post award site visit. The contractor shall notify the USAESCH Project Manager (PM) 14 days prior to a planned site visit. The contractor shall provide a trip report to the PM 7 days after conclusion of the site visit. The contractor shall also plan to attend two (2) Public/Technical Project Planning (TPP) meetings in Butner, NC.

### 3.2 (TASK 2) WORK PLAN (WP):

This Task is Firm Fixed Price.

The WP shall be prepared following the general format described in data item description (DID) MR-005-01. The WP shall contain, at a minimum, a Technical Management Plan (DID MR-005-02), Explosives Siting Plan (DID MR-005-04), Accident Prevention Plan (APP), which includes a Site Safety and Health Plan (SSHP) (EM 385-1-1), Environmental Protection Plan (DID MR-005-12), and a Quality Control Plan (QCP). The QCP shall be a detailed and comprehensive plan covering all aspects of the response. Other sub plans or elements shall be required as necessary to support the contractor's technical approach. The contractor shall attend an onboard review in Huntsville after receiving comments on the Draft Work Plan. The contractor shall provide a CD of the Final Work Plan at the conclusion of the onboard review. Hard Copies of the final Work Plan shall be submitted 14 days after the conclusion of the onboard review.

A property management plan will be required if the contractor has Government furnished equipment. A work, Data, and Cost Management Plan is required for any T & M task.

### 3.3 (TASK 3) REMOVAL ACTION:

This Task is Firm Fixed Price

The Contractor shall provide the necessary personnel and equipment to safely destroy and/or remove and dispose of all explosive hazards IAW the Action Memorandum(s) for the Former Camp Butner. The contractor shall be responsible for evacuations if necessary. The contractor shall structure their cost for sub-tasks 3a, 3b, 3c, 3d, 3e, 3f, 3g, 3h & 3i to include a mobilization and demobilization – this cost should be a Fixed Price and should be easily separated from the other costs for the project work as it may not be applied during an Exercise of that Subtask should the Contractor already be mobilized in the field. The Sectors and acreages are listed in the table below. Each Phase and Area is listed in a separate sub-task for funding and management purposes.

SITE	DESCRIPTION	ACREAGE
AREA 1A	Flamethrower Range	20
AREA 4A	Range Complex 1	34
AREA 4B	Range Complex 1	14
AREA 4D	Range Complex 1	24
AREA 4E	Range Complex 1	6
AREA 4	Range Complex 1 Remaining Land	280
Lakeview	Lakeview Subdivision	26

AREA 4C	Range Complex 2	16
AREA 4	Range Complex 2 Remaining Land	170

#### 3.3.1 SOW Performance Metrics and QC/QA Criteria

The performance metrics that will be used to evaluate the Contractor's performance of all tasks under this SOW are specified in Attachment B. The Sector-specific mandatory removal requirements are specified below in each sub task.

3.3.2 Backfilling Excavations: All access/excavation/detonation holes shall be backfilled by the Contractor. The Contractor shall restore such areas to their prior condition.

3.3.3 MEC Accountability: The Contractor shall maintain a detailed accounting of all MEC items/components encountered. This accounting shall include the amounts of MEC, the identification, condition, depth, disposition, and location. This accounting shall be a part of an appendix to the Final Report.

3.3.4 Disposal of MEC Scrap: All MEC scrap shall be handled in accordance with Attachment A of the SOW.

#### TASK 3a Area 1A Flame Thrower Range

This Task is Firm Fixed Price

This area contains 20 acres

#### QC/QA Criteria

MEC objects with a width (diameter) or thickness inclusive of a MKII hand grenade and larger at a depth of less than 11 diameters of the object.

#### TASK 3b Complex 1 Area 4A

This Task is Firm Fixed Price

This area contains 34 acres

#### QC/QA Criteria

MEC objects with a width (diameter) or thickness inclusive of a M9 Rifle grenade and larger at a depth of less than 11 diameters of the object.

#### TASK 3c Complex 1 Area 4B

This Task is Firm Fixed Price

This area contains 14 acres

#### QC/QA Criteria

MEC objects with a width (diameter) or thickness inclusive of a 2.36 inch rocket and larger at a depth of less than 11 diameters of the object.

#### TASK 3d Complex 1 Area 4D

This Task is Firm Fixed Price

This area contains 24 acres

#### QC/QA Criteria

MEC objects with a width (diameter) or thickness inclusive of a 37 mm projectile and larger at a depth of less than 11 diameters of the object.

TASK 3e Complex 1 Area 4E

This Task is Firm Fixed Price

This area contains 6 acres

QC/QA Criteria

MEC objects with a width (diameter) or thickness inclusive of a 37 mm projectile and larger at a depth of less than 11 diameters of the object.

TASK 3f Complex 1 Area 4 Remaining Lands

This Task is Fixed Unit Price.

Unit of Issue will be "EACH", defined as follows: MEC clearance for ten (10) occupied residences (dwellings) consisting of the immediate surrounding property in the amount of two (2) acres, exclusive of the structures footprint, existing structures, permanent bodies of water, abandoned vehicles, semi-permanent debris piles and hard pavement. Work may be issued singularly or in multiples, in which case the work is treated as a single mobilization under Sub-task 3m. This task unit price includes SUXOS and QC/PM support oversight.

This task is for 280 acres or 140 residential dwellings.

QC/QA Criteria

MEC objects with a width (diameter) or thickness inclusive of a 37 mm projectile and larger at a depth of less than 11 diameters of the object.

TASK 3g Lakeview Subdivision

This Task is Firm Fixed Price

This area contains 26 acres

QC/QA Criteria

MEC objects with a width (diameter) or thickness inclusive of a 37 mm projectile and larger at a depth of less than 11 diameters of the object.

TASK 3h Complex 2 Area 4C

This Task is Firm Fixed Price

This area contains 16 acres

QC/QA Criteria

MEC objects with a width (diameter) or thickness inclusive of an 81 mm mortar and larger at a depth of less than 11 diameters of the object.

TASK 3i Complex 2 Area 4 Remaining Lands

This Task is Fixed Unit Price.

Unit of Issue will be "EACH", defined as follows: MEC clearance for ten (10) occupied residences (dwellings) up to 80 residences, and one MEC clearance for five (5) occupied residences (dwellings) consisting of the immediate surrounding property in the amount of two (2) acres, exclusive of the structures footprint, existing structures, permanent bodies of water, abandoned vehicles, semi-permanent debris piles and hard pavement. Work may be issued singularly or in multiples, in which case the work is treated as a single mobilization under Sub-task 3m. This task unit price includes SUXOS and QC/PM support oversight.

This task is for 170 acres or 85 residential dwellings.

#### QC/QA Criteria

MEC objects with a width (diameter) or thickness inclusive of and between a 2.36 inch rocket and a 3 inch Stokes mortar at a depth of less than 11 diameters of the object.

#### TASK 3j Site Wide Institutional Controls

This Task is Time and Material

The contractor shall implement Institutional Controls IAW the Action Memorandum. The contractor shall base his proposal on the following:

- a. Distribute Existing Fact Sheet
- b. Prepare and Distribute Updated Fact Sheet on a yearly basis
- c. Prepare copies of existing produced videos & distribute videos
- d. Perform classroom education to local school on a yearly basis
- e. Attend and participate in quarterly RAB meetings
- f. Setup and maintenance of an internet Website
- g. Coordinate the use of a reverse 911 system
- h. Prepare a fact sheet for the tax bill
- i. Prepare newspaper articles/interviews on a quarterly basis for all local newspapers
- j. Prepare 40 warning signs including installation of signs where directed

#### TASK 3k Evacuations

This is Firm Fixed Unit Price

The contractor shall propose a fixed unit cost per evacuation. Each residence that has to be evacuated will be considered an evacuation. An estimated quantity of **575** evacuations will be included under this task

#### TASK 3m Mobilization / Demobilization for Sub-tasks 3f and 3i

This task is Fixed Unit Price.

Unit of Issue is "EACH" defined as a single mobilization/demobilization of one removal team in support of work executed under Sub-tasks 3f and 3i. A removal team is defined as one (1) UXO Tech III and six (6) UXO Tech II personnel. In cases where work is issued under Sub-task 3f and/or 3i in multiples units for execution, it will be treated as a single mobilization/demobilization for that unique portion of work.

### 3.4 (TASK 4) GEOSPATIAL DATA:

This Task is Firm Fixed Price.

The contractor shall create a GIS in accordance with DID MR-005-07. The coordinate system for this project shall be UTM Coordinate System. All geo-referenced data shall be submitted in UTM Coordinates.

### 3.5 (TASK 5) *ANNUAL* REPORT:

This Task is Firm Fixed Price.

The Contractor shall prepare *an final annual* report in accordance with DID MR-030 "*Site Specific Final Report*" for work completed during the calendar year periods indicated below; each report is standalone for the reporting period indicated. ~~The contractor shall plan for an onboard review of the Final Report in Huntsville, AL.~~ In addition to the DID requirements, the contractor shall include all QC documentation in the *Final* Report. The contractor shall also include a cover letter signed by an authorized person (preferably the person who signed the Task Order) of the company certifying, on behalf of the company, that the requirements of this Task Order have been met. *Final* Report will be submitted as "Draft" initially, and may be converted to a "Final" with no further revisions, amendments and/or complete revision as is warranted.

Task 5: *Annual Final* Report, task order award through Calendar Year 2008.

Task 5a: *Annual Final* Report, Calendar Year 2009.

Task 5b: *Annual Final* Report, Calendar Year 2010.

### 3.6 (TASK 6) PROJECT MANAGEMENT:

This Task is Firm Fixed Price.

The Contractor shall perform project management activities necessary to maintain project control, to include but not limited to the following:

3.6.1 Schedule: The Contractor shall submit a proposed Project Schedule in a format compatible with Primavera. The Contractor shall update the schedule in accordance with DID MR-085 Project Status Report. A final schedule shall be submitted a minimum of 30 days before commencing fieldwork.

3.6.2 Telephone Conversations/Correspondence Records: The Contractor shall keep a record of each phone conversation and written correspondence concerning this Task Order in accordance with DID MR-055. A copy of this record shall be attached to the Project Status Report.

3.6.3 Project Status Reports: The Contractor shall prepare and submit Project Status Reports in accordance with DID MR-085 and include any other items required in the SOW.



#### 4.0 SUBMITTALS AND CORRESPONDENCE:

4.1 Computer Files: All final text files generated by the Contractor under this contract shall be furnished to the Contracting Officer in Microsoft Word 2000 or higher software. Spreadsheets shall be in Microsoft EXCEL. All final CADD drawings shall be in Microstation 95 or higher. All GIS data shall be in ESRI (Arcview/Arcinfo) format.

4.2 PDF Deliverables: In addition to the paper and digital copies of submittals, the final version of any and all reports and/or plans shall be submitted, uncompressed, on CD/DVD in PDF format along with a linked table of contents, linked tables, linked photographs, linked graphs, and linked figures, all of which shall be suitable for viewing on the Internet. The PDF files shall be created from source documents whenever possible.

4.3 Identification of Responsible Personnel: Each report shall identify the specific members and title of the Contractor's staff and subcontractors that had significant and specific input into the reports' preparation or review.

4.4 Public Affairs: The Contractor shall not publicly disclose any data generated or reviewed under this contract. The Contractor shall refer all requests for information concerning site conditions to the local Corps of Engineers Public Affairs Office (Wilmington District) with a copy furnished to the USAESCH PM. Reports and data generated under this contract are the property of the DoD and distribution to any other source by the Contractor, unless authorized by the Contracting Officer, is prohibited.

4.5 Submittals: The Contractor shall furnish copies of the plans, maps, and reports as identified in paragraph 4.6, or as specified in this SOW, to each addressee listed below in the quantities indicated. The Contractor shall submit 1 copy on CD with each hard copy of the Final versions of all submittals (WPs, Reports, Plans, etc) in accordance with section 4.1. The Contractor shall submit 1 copy on CD with each hard copy, of the Final Versions of all submittals (WPs, Reports, Plans, etc) in accordance with section 4.2. For purposes of the SOW all days are considered calendar days.

ADDRESSEE	COPIES
U.S. Army Engineer District, Wilmington ATTN: CESAW-PM-C (John Baden) P.O. Box 1890 Wilmington, North Carolina 28240-1890	4
US Army Engineering and Support Center, Huntsville CEHNC-OE-DC	4

ATTN: Mr. Brendan M. Slater  
 4820 University Square  
 Huntsville, AL 35816-1822

Commander  
 52nd Ordnance Group (EOD)  
 5011 N. 26<sup>th</sup> Street  
 Forest Park, GA 30297

1 (Final Only)

#### 4.6 Submittals and Due Dates:

SUBMITTAL	DUE DATES
Draft Work Plan	TBD
Final Work Plan	per Task 1
Draft Final Report	<del>TBD</del> Within 60 days of completion of field work for, or end of, reporting period
Final Report	<del>TBD</del> Within 30 days of receipt of "Draft" report comments

#### Milestones:

Work Plan (accepted and NTP provided)

Field Work Completed

Final Removal Report (accepted)

Milestones will be considered met or completed when the appropriate QC documentation has been submitted and QA completed and the submittal and/or product accepted.

#### 5.0 REFERENCES:

5.1 Former Camp Butner EE/CA dated July 2004

5.2 Former Camp Butner TCRA final report Dated November 2004

5.3 Brooksville Action Memorandum(s) Dated: December 2004

5.4 Former Camp Butner ESS (Note: The ESS will be written by USAESCH and provide the contractor when completed.

**MODIFICATION 15**  
**TO**  
**W912DY-04-D-0006**  
**T.O. 0007**  
**REMEDIAL ACTION**  
**AT**  
**FORMER CP BUTNER TRAINING CAMP**  
**FUDS ID**  
**I04NC0009**  
**BUTNER, NORTH CAROLINA**

**June 5, 2009**

**Modification to  
SCOPE OF WORK  
REMEDIAL ACTION  
AT  
FORMER CP BUTNER TRAINING CAMP  
Butner, North Carolina**

### **1.0 Introduction**

A remedial action is currently in progress to identify and remove ordnance around residential properties on the former Camp Butner property. A fixed price has been negotiated for units of ten residences along with unit prices for evacuations, mobilizations and other fixed costs.

### **2.0 Purpose of this Mod**

The purpose of this modification is to award the remedial action for Unit 6 in Complex 1 along with 40 evacuation units.

### **3.0 Modifications to Task 3**

#### **Additional Work at Complex 1**

- Ordnance clearance will be performed for ten residences in Complex 1 in accordance with the approved workplan for this remedial action.
- Forty evacuations are estimated to be required to complete the ordnance clearances for this unit.

### **4.0 Period of Performance**

Period of performance ending date is (estimated) 31 December 2009.

**MODIFICATION 16**  
**TO**  
**W912DY-04-D-0006**  
**T.O. 0007**  
**REMEDIAL ACTION**  
**AT**  
**FORMER CP BUTNER TRAINING CAMP**  
**FUDS ID**  
**I04NC0009**  
**BUTNER, NORTH CAROLINA**

**September 14, 2009**

**Modification to  
SCOPE OF WORK  
REMEDIAL ACTION  
AT  
FORMER CP BUTNER TRAINING CAMP  
Butner, North Carolina**

**1.0 Introduction**

A remedial action is currently in progress to identify and remove ordnance around residential properties on the former Camp Butner property. A fixed price has been negotiated for units of ten residences along with unit prices for evacuations, mobilizations and other fixed costs.

**2.0 Purpose of this Mod**

The purpose of this modification is to award the remedial action for one 10-house unit and one 5-house unit in Complex 1 along with 40 evacuation units and one mob/demob unit.

**3.0 Modifications to Task 2**

**Additional Work at Complex 1**

- Ordnance clearance will be performed for fifteen residences in Complex 1 in accordance with the approved workplan for this remedial action.
- Fifty evacuations are estimated to be required to complete the ordnance clearances for this unit.
- Mob/demob will be required to complete this work.

**4.0 Period of Performance**

Period of performance is extended to March 30 2011 with award of this modification.

**MODIFICATION 17**  
**TO**  
**W912DY-04-D-0006**  
**T.O. 0007**  
**REMEDIAL ACTION**  
**AT**  
**FORMER CP BUTNER TRAINING CAMP**  
**FUDS ID**  
**I04NC0009**  
**BUTNER, NORTH CAROLINA**

**September 24, 2009**

**Modification 17 to  
SCOPE OF WORK  
REMEDIAL ACTION  
AT  
FORMER CP BUTNER TRAINING CAMP  
Butner, North Carolina**

**1.0 Introduction**

A remedial action is currently in progress to identify and remove ordnance around residential properties on the former Camp Butner property. A fixed price has been negotiated for units of ten residences along with unit prices for evacuations, mobilizations and other fixed costs.

**2.0 Purpose of this Mod**

The purpose of this modification is to award the remedial action for one 10-house unit in Complex 1 along with 60 evacuation units and four mob/demob units.

**3.0 Modifications to Task 2**

**Additional Work at Complex 1**

- Ordnance clearance will be performed for ten residences in Complex 1 in accordance with the approved workplan for this remedial action.
- Sixty evacuations are estimated to be required to complete the ordnance clearances for this unit.
- Two initial mob/demobs and two additional mob/demobs will be required to complete this work due to anticipated interruptions in work due to the holidays.

**4.0 Period of Performance**

Period of performance is extended to June 30, 2011 with award of this modification.



SECTION C - DESCRIPTIONS AND SPECIFICATIONS

The following have been added by full text:  
MODIFICATION 18 SCOPE OF WORK

**MODIFICATION 18**  
**TO**  
**W912DY-04-D-0006**  
**T.O. 0007**  
**REMEDIAL ACTION**  
**AT**  
**FORMER CP BUTNER TRAINING CAMP**  
**FUDS ID**  
**I04NC0009**  
**BUTNER, NORTH CAROLINA**

**May 31, 2010**

**Modification 18 to**

**SCOPE OF WORK  
REMEDIAL ACTION  
AT  
FORMER CP BUTNER TRAINING CAMP  
Butner, North Carolina**

**1.0 Introduction**

A remedial action is currently in progress to identify and remove ordnance around residential properties on the former Camp Butner property. A fixed price has been negotiated for units of five and ten residences along with unit prices for evacuations, mobilizations and other fixed costs.

**2.0 Purpose of this Mod**

The purpose of this modification is to award the remedial action for nine 10-house units and one 5-house unit to complete the current remedial action under the current task order. No additional units are needed for mobilizations, demobilizations or evacuations

**3.0 Modifications to Task 2**

**Additional Work at the Former Camp Butner Training**

- Ordinance clearance will be performed for nine units of ten residences and one unit of five residences in Complex 1 in accordance with the approved workplan for this remedial action.

**4.0 Period of Performance**

Period of performance is extended to January 30, 2012 with award of this modification.

**MODIFICATION 19**

**TO**

**W912DY-04-D-0006**

**T.O. 0007**

**REMEDIAL ACTION**

**AT**

**FORMER CP BUTNER TRAINING CAMP**

**FUDS ID  
I04NC0009**

**BUTNER, NORTH CAROLINA**

**August 6, 2010**

**Modification 19 to  
SCOPE OF WORK  
REMEDIAL ACTION  
AT  
FORMER CP BUTNER TRAINING CAMP  
Butner, North Carolina**

## **1.0 Introduction**

A remedial action is currently in progress to identify and remove ordnance around residential properties on the former Camp Butner property. A fixed price has been negotiated for units of five and ten residences along with unit prices for evacuations, mobilizations and other fixed costs. During the course of the remedial action, several of the units had site conditions that differed significantly from the conditions on which the unit costs were based.

## **2.0 Purpose of this Mod**

The purpose of this modification is to process an equitable adjustment for the site conditions that varied significantly from the conditions on which the unit costs were based.

## **3.0 Modifications**

### **Differing Site Conditions - Vegetation**

- Costs for brush clearing were based on information in the EE/CA and field experience during the TCRA. However, in the interim between completion of the TCRA in 2003 and start of the current remedial action, vegetation had grown quite thick in the Lakeview Subdivision. Significant additional effort was required to clear the vegetation prior to the removal action

### **Differing Site Conditions – Anomaly Density and Survey Costs**

- The EE/CA data indicated 25 to 75 anomalies per acre and the contractor fee proposal estimated 60 anomalies per grid, or 240 anomalies per acre. In general, the anomaly density averaged 433 anomalies per acre, much higher than estimated. However, on several properties, the property owners refused to let the contractor excavate the anomalies due to property improvement or other reasons. The contractor could not get agreement from the property owner to complete investigation of the anomalies, so surveyed those areas for future reference. Costs for the survey to record the specific areas where the owner refused to allow the investigation to be completed are included in this request.

### **Extensive Use of Miniature Open Front Barricade**

- The fee proposal was based on evacuating property owners during active removal actions. In several cases, the owners would not agree to evacuate and the contractor had to use the miniature open front barricade to protect the property owners from removal action activities. This slowed production significantly. As the contractor made a concerted effort to accommodate the property owners but had to use the MOFB to ensure their safety, the additional effort associated with that action should be included in the equitable adjustment.

### **Rights of Entry Issues**

- Issues with obtaining rights of entry and with interruptions by residents and homeowners delayed work, reduced production and changed the work schedule for this project. Acquisition of the ROEs is an SAS function and consideration should be given the contractor for the work delays due to ROE issues.

### **Mobilization Adjustment**

- The contractor incurred a cost savings for mobilization and demobilization costs because several modifications were awarded closely enough in time that mobilization and demobilization was not required between the modifications. The contractor therefore proposes a credit to the government for the reduced costs.

### **4.0 Period of Performance**

Period of performance will not be changed with award of this mod.

The following have been added by full text:  
SCOPE OF WORK

**MODIFICATION 20**

**TO**

**W912DY-04-D-0006**

**T.O. 0007**

**REMEDIAL ACTION**

**AT**

**FORMER CP BUTNER TRAINING CAMP**

**FUDS ID**  
**I04NC0009**

**BUTNER, NORTH CAROLINA**

**November 30, 2010**

**Modification 20 to  
SCOPE OF WORK  
REMEDIAL ACTION  
AT  
FORMER CP BUTNER TRAINING CAMP  
Butner, North Carolina**

**1.0 Introduction**

A remedial action is currently in progress to identify and remove ordnance around residential properties on the former Camp Butner property. A fixed price has been negotiated for units of five and ten residences along with unit prices for evacuations, mobilizations and other fixed costs.

**2.0 Purpose of this Mod**

The purpose of this modification is to award a final remedial action modification to this task order to complete all removals approved under the current EE/CA and action memos. The modification consists of one 5-house unit to complete the current remedial action under the current task order. No additional units are needed for mobilizations, demobilizations or evacuations.

**3.0 Modifications to Task 2**

**Additional Work at the Former Camp Butner Training**

Ordnance clearance will be performed for one unit of five residences in accordance with the approved workplan for this remedial action.

**4.0 Period of Performance**

Period of performance is extended to July 30, 2012 with award of this modification.

## APPENDIX B

### B.0 MEC AND MDAS ACCOUNTABILITY

This appendix contains the following documentation:

- Grid Tracking Logs
- MEC Accountability Log
- Explosive Usage Logs & Magazine Data Cards
- DD Forms 1348 and MDAS Scrap Destruction Certifications
- Grid Records (on CD)



## Grid Tracking Logs

RESIDENCE	BRUSH CLEARANCE			MAG/ FLAG				QC Date	QA Date	MEC	MD (lbs)	COMMENTS
	Date Start	Date Comp	TM	Date	TM	# Dug	Date Comp					
<b>AREA 4, RANGE COMPLEX 1, UNIT 10</b>												
UNITS COMPLETED IN 2009												
Unit 10-1, 3191 Range Road, Stem, NC, Jimmy Wicker				25-Nov-09	2,3	2,520	3-Dec-09	3-Dec-09	3-Dec-09	0	6.5	Fragments, Brass, Bullets
Unit 10-2, 1095 Bourbon Street, Stem, NC, Willie & Jennifer Conway				3-Dec-09	1,2	2,169	16-Dec-09	16-Dec-09	16-Dec-09	1	80	Fragments, MK2 Praticce Grenade, M9 Rifle Grenade Boom Practice, Brass, M11 Rifle Grenade (Practice), MK II Practice, Grenade Fuze, M9 Rifle Grenade (UXO), M1 Anti-Tank Mine (Practice)
Unit 10-3, 712-C Enon Road, Oxford, NC, Lonnie Glover-Owner Joseph Ostby				10-Dec-09	2	1,740	16-Dec-09	16-Dec-09	16-Dec-09	0	4.25	Fragments, Brass, Bullets
Unit 10-4, 712-F Enon Road, Oxford, NC, Joseph Ostby				14-Dec-09	3	635	15-Dec-09	15-Dec-09	15-Dec-09	0	12.5	Fragments, 57mm AP-T
Unit 10-5, 4156 Blue Creek Lane, Oxford, NC, Matthew & Deborah Clark				7-Dec-09	2,3	2,975	10-Dec-09	14-Dec	14-Dec-09	0	285	Fragments, Brass, Shotgun Primers, Fuze PO, 155mm Shrapnel Projectile (Empty)
UNITS COMPLETED IN 2010												
Unit 10-6, 1093 Bourbon Street, Stem, NC, Chip Quesenberry, (owner) Tom Washington, Jr.				12-Jul-10	2	1,009	14-Jul-10	19-Jul-10	20-Jul-10	0	66	M9 Rifle Grenade Tail Boom, M11 A3 Rifle Grenade-Practice, 105/155MM Fragments, Mortar Fins
Unit 10-7, 1091 Bourbon St, Stem, NC Brandon Mikels				12-Jul-10	1	2,010	14-Jul-10	19-Jul-10	20-Jul-10	0	0	No MDAS Found
Unit 10-8, 1089 Bourbon St, Stem, NC Philip & Valerie Carrigan				15-Jul-10	1	550	15-Jul-10	19-Jul-10	20-Jul-10	0	1	105/155MM Fragments
Unit 10-9, 1090 Bourbon St, Stem, NC Teresa Cope				19-Jul-10	1,3	1610	20-Jul	20-Jul	20-Jul	0	3	105/155MM Fragments
Unit 10-10, 1088 Bourbon St, Stem, NC, Ron Dixon				15-Jul-10	2	934	19-Jul-10	20-Jul-10	20-Jul-10	0	0	No MDAS Found

RESIDENCE	BRUSH CLEARANCE			MAG/ FLAG				QC Date	QA Date	MEC	MD (lbs)	COMMENTS
	Date Start	Date Comp	TM	Date	TM	# Dug	Date Comp					
<b>AREA 4, RANGE COMPLEX 1, UNIT 11</b>												
Unit 11-1, 1044 Enon Road, Oxford, NC, Creg & Rose Tunstall				20-Jul-10	1,2	2,865	22-Jul-10	2-Aug-10	2-Aug-10	0	0	No MDAS Found
Unit 11-2, 1114 Roberts Chapel Road, Stem, NC, Residents work for Alan Schmidt at 1094 Roberts Chapel Road (Unit 12-9)				20-Jul-10	1,3,4	2,385	27-Jul-10	27-Jul-10	27-Jul-10	0	18	Expended MK II Prac Gren Fuzes
Unit 11-3, 1086 Roberts Chapel Road, Stem, NC, Mike Arrington				16-Aug-10	4	1,562	19-Aug-10	19-Aug-10	19-Aug-10	0	0	No MDAS Found
Unit 11-4, 1082 Wildlife Dr, Stem, NC, Juan A. Marin-Quintero				11-Aug-10	3	185	16-Aug-10	16-Aug-10	16-Aug-10	0	0	No MDAS Found
Unit 11-5, 1078 Wildlife Dr, Stem, NC, Roger Gibson				10-Aug-10	3	335	12-Aug-10	12-Aug-10	12-Aug-10	0	0	No MDAS Found
Unit 11-6, 1074 Wildlife Dr, Stem, NC, Michael & Cheryl Brelinsky	26-Jul-10	26-Jul-10	4	9-Aug-10	3	440	10-Aug-10	10-Aug-10	10-Aug-10	0	0	No MDAS Found
Unit 11-7, 1072 Wildlife Dr, Stem, NC, George Waldron	26-Jul-10	26-Jul-10	4	4-Aug-10	3	257	9-Aug-10	9-Aug-10	9-Aug-10	0	4	60mm Mortar Frag
Unit 11-8, 1068 Wildlife Dr, Stem, NC, Joseph Waters	26-Jul-10	26-Jul-10	4	3-Aug-10	3	700	4-Aug-10	4-Aug-10	4-Aug-10	0	2	60mm Mortar Frag
Unit 11-9, 1058 Wildlife Dr, Stem, NC, Donna Beckwith	26-Jul-10	26-Jul-10	4	26-Jul-10	2	742	27-Jul-10	27-Jul-10	27-Jul-10	0	1	Small Arms
Unit 11-10, 1062 Wildlife Dr, Stem, NC, Bobby & Sallie Boone	26-Jul-10	26-Jul-10	4	27-Jul-10	3	1,290	2-Aug-10	3-Aug-10	3-Aug-10	0	0	No MDAS Found

RESIDENCE	BRUSH CLEARANCE			MAG/ FLAG				QC Date	QA Date	MEC	MD (lbs)	COMMENTS
	Date Start	Date Comp	TM	Date	TM	# Dug	Date Comp					
<b>AREA 4, RANGE COMPLEX 1, UNIT 12</b>												
Unit 12-1, 1065 Wildlife Dr, Stem, NC, Robbie Christopher Watkins				27-Jul-10	2,4	1,939	4-Aug-10	4-Aug-10	4-Aug-10	0	21	PD Fuze Parts, 81mm Mortar Frag, & Tail Boom, 60MM Mortar Frag, Smoke Mortar Frag, Burster Adapter pcs, Small Arms***Failed First QC, Re-Worked Property
Unit 12-2, 1067 Wildlife Dr, Stem, NC, Johnny & Penny Ray	9-Aug-10	9-Aug-10		4-Aug-10	4	2,455	12-Aug-10	12-Aug-10	12-Aug-10	0	16	81 mm Mortar Frag
Unit 12-3, 1061 Wildlife Dr, Stem, NC, Teresa Hendon	26-Jul-10	27-Jul-10	4	27-Jul-10	1	1,826	29-Jul-10	2-Aug-10	2-Aug-10	0	0	No MDAS Found
Unit 12-4, 1071 Wildlife, Dr, Stem, NC, Stewart & Joanne McFarland-Renters-Jessie Lee	9-Aug-10	9-Aug-10	1,4	11-Aug-10	1,4	1,970	16-Aug-10	19-Aug-10	19-Aug-10	1	19	81mm & 60mm Mortar WP/Fins/Fuzes/tailbooms, 60mm Mortar (UXO)
Unit 12-5, 1086 Wildlife Dr, Stem, NC, Chris Barrett				16-Aug-10	3	210	17-Aug-10	17-Aug-10	17-Aug-10	0	0	No MDAS Found
Unit 12-6, 1077 Wildlife Dr, Stem, NC, Belinda Elmore				9-Aug-10	1	1,430	10-Aug-10	11-Aug-10	11-Aug-10	0	0	No MDAS Found
Unit 12-7, 1064 Wildlife Dr, Stem, NC, Mike & Trish Watkins	26-Jul-10	26-Jul-10	4	29-Jul-10	4	815	2-Aug-10	3-Aug-10	3-Aug-10	0	3	81mm Mortar Tailboom Frag
Unit 12-8, 1081 Wild Briar, Stem, NC, Perry & Pam Hansley				23-Aug-10	3	712	25-Aug-10	25-Aug-10	25-Aug-10	0	0	No MDAS Found
Unit 12-9, 1080 Wild Briar Lane, Stem, NC, Jeffery & Pamela Gillis	23-Aug-10	23-Aug-10	4	19-Aug-10	1,2,4	2,653	25-Aug-10	25-Aug-10	25-Aug-10	0	1	60mm Frag
Unit 12-10, 3542 Saddle Ridge Road, Stem, NC, Randy & Linda Overby	23-Aug-10	23-Aug-10	4	23-Aug-10	1	1,680	24-Aug-10	24-Aug-10	24-Aug-10	0	0	No MDAS Found

RESIDENCE	BRUSH CLEARANCE			MAG/ FLAG								COMMENTS
	Date Start	Date Comp	TM	Date	TM	# Dug	Date Comp	QC Date	QA Date	MEC/UXO	MD (lbs)	
<b>AREA 4, RANGE COMPLEX 1, UNIT 13</b>												
Unit 13-1, 1094 Roberts Chapel Road, Stem, NC, Alan Schmidt				8-Nov-10	1,2	3,161	11-Nov-10	11-Nov	11-Nov	0	1	60mm Tailboom
Unit 13-2, 176 Enon Road, Oxford, NC, Stacy Seaford				13-Oct	3,4	1,560	20-Oct-10	21-Oct	21-Oct-10	0	2	105mm Frag
Unit 13-3, 4109 Blue Mountain Road, Oxford, NC. Julia Dearborn				12-Oct	1,2,3,4	4,780	27-Oct	27-Oct	27-Oct	1	149	57/40/37mm APT, Frag,105/155mm Frag,155mm (M107) HE Projectile (UXO)
Unit 13-4, 5315 Isham Chambers Road, Rougemont, NC, Charles Hester				1-Nov	1,2	3,673	3-Nov	3-Nov	3-Nov	0	0	No MDAS Found
Unit 13-5, 1026 Enon Road, Oxford, NC, Lonnie & Chris Glover				10-Sep	1,2,4	1,730	11-Oct	12-Oct	12-Oct	0	0	No MDAS Found
Unit 13-6, 1112 Enon Road, Oxford, NC, Alton Hilton				30-Aug	2,4	4,681	7-Sep	7-Sep	7-Sep	0	6	81mm Mortar Fin and Frag, 81mm Mortar WP Cup and Tail Boom
Unit 13-7, 4149 Crown Oaks Drive, Oxford, NC, Brad & Kim Scoggins	17-Nov	17-Nov	4	17-Nov	1	275	18-Nov	22-Nov	22-Nov	0	2	37mm APT
Unit 13-8, 4144 Blue Creek Lane, Oxford, NC 27565, 919-603-5978, Steven & Gina Hemig				25-Aug	1,2	755	26-Aug	26-Aug	26-Aug	0	42	105/155 Frag, PD Fuze Components
Unit 13-9, 8412 Range Road, Rougemont, NC, Bill Mangum				29-Sep-10	1	1,400	30-Sep-10	4-Oct-10	4-Oct-10	0	0	No MDAS Found
Unit 13-10, 1000 Fate Washington Rd, Stem, NC, Ronald & Pamela Daniels				1-Nov-10	3	600	2-Nov-10	2-Nov-10	2-Nov-10	0	0	No MDAS Found

RESIDENCE	BRUSH CLEARANCE			MAG/ FLAG								COMMENTS
	Date Start	Date Comp	TM	Date	TM	# Dug	Date Comp	QC Date	QA Date	MEC	MD (lbs)	
<b>AREA 4, RANGE COMPLEX 1, UNIT 14</b>												
Unit 14-1, 1119 Bowling Mountain Road, Stem NC, James & Susan Bass				21-Oct-10	1,3	1,250	25-Oct-10	26-Oct-10	26-Oct-10	0	0	No MDAS Found
Unit 14-2, 1133 Bowling Mountain Road, Stem, NC, Claude & Barbara Campbell				21-Oct-10	2	1,024	25-Oct-10	26-Oct-10	26-Oct-10	0	0	No MDAS Found
Unit 14-3, 4093 Range Road, Stem, NC, Robert & Carol Perunko	27-Oct-10	27-Oct-10		26-Oct-10	2	1,229	28-Oct-10	1-Nov-10	1-Nov-10	0	0	No MDAS Found
Unit 14-4, 1002 Fate Washington Road, Richard Hoppenworth				25-Oct-10	3	1,230	27-Oct-10	27-Oct-10	27-Oct-10	0	0	No MDAS Found
Unit 14-5, 1102 Fate Washington Road, Stem, NC, Tammy Jackson				17-Nov-10	1	925	17-Nov-10	18-Nov-10	18-Nov-10	0	1	M141 B/T Firing Device
Unit 14-6, 1072 Fate Washington Rd, Stem, NC, Susan Norris	23-Nov-10	23-Nov-10	3	29-Nov-10	1,2	2,118	30-Nov-10	1-Dec-10	1-Dec-10	0	0	No MDAS Found
Unit 14-7, 1084 Fate Washington Rd, Stem, NC, Stacy Peebles				10-Nov-10	3	450	10-Nov-10	11-Nov-10	11-Nov-10	0	0	No MDAS Found
Unit 14-8, 1096 Fate Washington Road, Stem, NC, Charles R. Corbin III				11-Nov-10	3,2	1,029	17-Nov-10	17-Nov-10	17-Nov-10	0	0	No MDAS Found
Unit 14-9, 4139 Blue Mountain Road, Oxford, NC, Cherie Jones				22-Nov-10	1,3	1,705	23-Nov-10	29-Nov-10	29-Nov-10	0	1	155/105 Frag, 105mm Base
Unit 14-10, 4139-A Blue Mountain Road, Oxford, NC, Cherie Jones				22-Nov-10	2,4	724	23-Nov-10	29-Nov-10	29-Nov-10	0	48	105/155 Frag, PD Fuze Parts

RESIDENCE	BRUSH CLEARANCE			MAG/ FLAG				QC Date	QA Date	MEC	MD (lbs)	COMMENTS
	Date Start	Date Comp	TM	Date	TM	# Dug	Date Comp					
<b>AREA 4, RANGE COMPLEX 2, UNIT 4</b>												
Unit 4-1, 195 Enon Road, Oxford, NC, Eddie & Debbie Daniel	2-Aug-10	2-Aug-10	1	3-Aug-10	1	4,440	19-Aug-10	19-Aug-10	19-Aug-10	0	291	105/155mm Frags
Unit 4-2, 193 Enon Road, Oxford, NC, Raymond Hicks				2-Aug-10	2	7,711	18-Aug-10	19-Aug-10	19-Aug-10	0	427	105/155mm Frag, PD Fuze Parts, M51 Series Fuze Body, 30 Cal. Projectiles, Small Arms, M47 Fuze Body, 105mm Proj Body (Ejection), Grenade Fuzes
Unit 4-3, 1041 Enon Road, Oxford, NC, Robert & Charlotte Baczek	7-Sep-10	7-Sep-10	1	7-Sep-10	4	890	10-Sep-10	10-Sep-10	10-Sep-10	0	0	No MDAS Found
Unit 4-4, 1043 Enon Road, Oxford, NC, Ronald & Lisa Tarlton	7-Sep-10	7-Sep-10	1	8-Sep-10	1	2,170	10-Sep-10	10-Sep-10	10-Sep-10	0	0	No MDAS Found
Unit 4-5, 1049 Enon Road, Oxford, NC, Mike & Shannon Medlin, (owner) Denise Mazlak	1-Sep-10	7-Sep-10	1	7-Sep-10	2	1,915	10-Sep-10	10-Sep-10	10-Sep-10	0	0	No MDAS Found
Unit 4-6, 1319 Berea Road, Rougemont, NC, Marjorie Winstead				10-Sep-10	1	2,662	15-Sep-10	15-Sep-10	15-Sep-10	0	0	No MDAS Found
Unit 4-7, 11158 Range Road, Rougemont, NC, Richard Harris				26-Aug-10	1	1,090	31-Aug-10	1-Sep-10	1-Sep-10	0	0	No MDAS Found
Unit 4-8, 89 George Harris Road, Rougemont, NC, Elsie Harris				31-Aug-10	3	2,100	9-Sep-10	9-Sep-10	9-Sep-10	0	0	No MDAS Found
Unit 4-9, 11014 Range Road, Rougemont, NC, George & Maggie Harris Jr.				24-Aug-10	3	1,975	31-Aug-10	31-Aug-10	31-Aug-10	0	0	No MDAS Found
Unit 4-10, 90 George Harris Road, Rougemont, NC, George & Maggie Harris Jr.				24-Aug-10	4	1,575	30-Aug-10	31-Aug-10	31-Aug-10	0	0	No MDAS Found

RESIDENCE	BRUSH CLEARANCE			MAG/ FLAG								COMMENTS
	Date Start	Date Comp	TM	Date	TM	# Dug	Date Comp	QC Date	QA Date	MEC	MD (lbs)	
<b>AREA 4, RANGE COMPLEX 2, UNIT 5</b>												
Unit 5-1, 501 Enon Road, Oxford, NC, Hal Harrison				13-Sep-10	1,2	4,598	20-Sep-10	20-Sep-10	20-Sep-10	0	259	105/155/81mm Frag, T-Bar Fuze Expended, PD Fuze Parts, M48/51 PD Fuze Bodies
Unit 5-2, 88 George Harris Road, Rougemont, NC, Elsie Harris	13-Sep-10	16-Sep-10	3	10-Sep-10	3,4	5,145	27-Sep-10	30-Sep-10	4-Oct-10	0	0	No MDAS Found
Unit 5-3, 267 George Harris Road, Rougemont, NC, Carl Mangum	16-Sep-10	21-Sep-10	3	13-Sep-10	2,3	1,603	27-Sep-10	30-Sep-10	4-Oct-10	0	0	No MDAS Found
Unit 5-4, 347 Bethany Church Road, Rougemont, NC, Bill & Linda Mangum				27-Sep-10	1,4	2,750	30-Sep-10	4-Oct-10	4-Oct-10	0	0	No MDAS Found
Unit 5-5, 4669 Range Road, Oxford, NC, Finnie White Jr.				4-Oct-10	4	275	6-Oct-10	7-Oct-10	7-Oct-10	0	0	No MDAS Found
Unit 5-6, 1741 Berea Road, Rougemont, NC, Freddie & Alice Newsome				20-Sep-10	2	1,820	23-Sep-10	23-Sep-10	23-Sep-10	0	0	No MDAS Found
Unit 5-7, 1715A Berea Road, Rougemont, NC, Nancy Mangum,				20-Sep-10	1	2,110	23-Sep-10	23-Sep-10	23-Sep-10	0	0	No MDAS Found
Unit 5-8, 1077 Enon Road, Oxford, NC, Christopher & Tammy Adcock				27-Sep-10	2	3,367	30-Sep-10	4-Oct-10	4-Oct-10	1	15	37/105/155 Frag, 2.36" Cone, 60mm Fins, PD Fuze, 2.36" Rocket Frag, 81mm Smoke Frag, 2.36" Rocket (UXO)
Unit 5-9, 531 Berea Road, Rougemont, NC, Jerry Morris, (owner-James & Nina Hill)				27-Sep-10	3	575	29-Sep-10	30-Sep-10	4-Oct-10	0	0	No MDAS Found
Unit 5-10, 1715B Berea Road, Rougemont, NC, Nancy Mangum,				23-Sep-10	1,2	1,228	27-Sep-10	30-Sep-10	4-Oct-10	0	0	No MDAS Found



RESIDENCE	BRUSH CLEARANCE			MAG/ FLAG				QC Date	QA Date	MEC	MD (lbs)	COMMENTS
	Date Start	Date Comp	TM	Date	TM	# Dug	Date Comp					
<b>AREA 4, RANGE COMPLEX 2, UNIT 6</b>												
Unit 6-1, 5067 Range Road, Oxford, NC, Andre Baskett				4-Oct-10	3	400	5-Oct-10	6-Oct-10	6-Oct-10	0	0	No MDAS Found
Unit 6-2, 5071 Range Road, Oxford, NC, Lisa Brogden				4-Oct-10	1	1,580	6-Oct-10	6-Oct-10	6-Oct-10	0	0	No MDAS Found
Unit 6-3, 5073 Range Road, Oxford, NC, Tim McKnight				4-Oct-10	2	898	6-Oct-10	6-Oct-10	6-Oct-10	0	0	No MDAS Found
Unit 6-4, 5075 Range Road, Oxford, NC, Keith Miller				6-Oct-10	2	642	6-Oct-10	7-Oct-10	7-Oct-10	0	1	M3 Fuzing Device
Unit 6-5, 5079 Range Road, Oxford, NC, Victoria Harding				5-Oct-10	3	325	6-Oct-10	7-Oct-10	7-Oct-10	0	0	No MDAS Found
Unit 6-6, 5087 Range Road, Oxford, NC, William Beard	18-Oct-10	19-Oct-10	2	19-Oct-10	2	1,139	20-Oct-10	21-Oct-10	21-Oct-10	0	3	M15 WP Grenade Frag/Bodies, Grenade Fuze Bodies
Unit 6-7, 5097 Range Road, Oxford, NC, Michael Sandifer				18-Oct-10	1	515	20-Oct-10	21-Oct-10	21-Oct-10	0	0	No MDAS Found
Unit 6-8, 5201 Range Road, Rougemont, NC, Rev. William & Annie Black				7-Oct-10	3	525	7-Oct-10	11-Oct-10	11-Oct-10	0	0	No MDAS Found
Unit 6-9, 5203 Range Road, Rougemont, NC, Archie Wilkerson				7-Oct-10	2	714	7-Oct-10	11-Oct-10	11-Oct-10	0	0	No MDAS Found
Unit 6-10, 580 A&W Bowling Road, Rougemont, NC, Renter-Amber Stepp, (owner- Iris Ann Day)				11-Oct-10	2	1,959	13-Oct-10	13-Oct-10	13-Oct-10	0	0	No MDAS Found

RESIDENCE	BRUSH CLEARANCE			MAG/ FLAG				QC Date	QA Date	MEC	MD (lbs)	COMMENTS
	Date Start	Date Comp	TM	Date	TM	# Dug	Date Comp					
<b>AREA 4, RANGE COMPLEX 2, UNIT 7</b>												
Unit 7-1, 655 Bethany Church Road, Rougemont, NC, (renter) Rhonda Rose, (owner) John Mangum				12-Oct-10	1,2,4	3,936	18-Oct-10	18-Oct-10	18-Oct-10	5	143	81/60mm Mortar Fins, Tail Booms, Fuze Parts & Frag, 81mm Mortar, M43 (UXOs)
Unit 7-2, 61 A&W Bowling Road, Rougemont, NC, renter Elizabeth Stepp, (owner-Iris Ann Day)				11-Oct-10	3	300	11-Oct-10	13-Oct-10	13-Oct-10	0	0	No MDAS Found
Unit 7-3, 4536 Sugar Maple Road, Oxford, NC, Donnie Hilliard				15-Nov-10	2	279	15-Nov-10	16-Nov-10	16-Nov-10	0	8	M51 Series Fuze Bodies, 105 Frag
Unit 7-4, 5447 Range Road, Rougemont, NC, Amy Piper				4-Nov-10	2,3	716	8-Nov-10	9-Nov-10	9-Nov-10	0	0	No MDAS Found
Unit 7-5, 1119 Enon Road, Oxford, NC, Chris Oliver (owner:Ben Adcock)				27-Oct-10	3	428	28-Oct-10	1-Nov-10	1-Nov-10	0	0	No MDAS Found
Unit 7-6, 4532 Sugar Maple Road, Oxford, NC, Rachel Swift				18-Nov-10	2	568	18-Nov-10	22-Nov-10	22-Nov-10	0	10	M51 PD Fuze Body, 75mm Frag
Unit 7-7, 4539 Sugar Maple Road, Oxford, NC, Kenny & Barbara Gregory				11-Nov-10	1	425	11-Nov-10	11-Nov-10	11-Nov-10	0	1.5	M51 Series Fuze Body, PD Fuze Parts
Unit 7-8, 4559 Sugar Maple Rd, Oxford, NC Tammy Wilson				28-Oct-10	1,2	550	3-Nov-10	3-Nov-10	3-Nov-10	0	1	105/155 Frag
Unit 7-9, 4528 Sugar Maple Rd, Oxford, NC, William Williams				18-Nov-10	1	750	18-Nov-10	22-Nov-10	22-Nov-10	0	5	75mm Projectile Frag
Unit 7-10, 4551 Sugar Maple Road, Oxford, NC, Robert & Sara Peace				9-Nov-10	1	830	10-Nov-10	10-Nov-10	10-Nov-10	0	11	75mm Body, M51 Seres Fuze Body

RESIDENCE	BRUSH CLEARANCE			MAG/ FLAG				QC Date	QA Date	MEC	MD (lbs)	COMMENTS
	Date Start	Date Comp	TM	Date	TM	# Dug	Date Comp					
<b>AREA 4, RANGE COMPLEX 2, UNIT 8</b>												
Unit 8-1, 4575 Sugar Maple Rd, Oxford, NC, Lisa Jeffries				16-Nov-10	3	425	16-Nov-10	17-Nov-10	17-Nov-10	0	10	57/75mm Frag, M51 Fuzes (expanded)
Unit 8-2, 4533 Sugar Maple Road, Oxford, NC, Steve Holcomb				10-Nov-10	1	450	10-Nov-10	11-Nov-10	11-Nov-10	0	8	75mm Frag, M96 Fuze Nose, M51 Series
Unit 8-3, 4540 Sugar Maple Road, Oxford, NC, Waithera Braxton				15-Nov-10	1	350	15-Nov-10	16-Nov-10	16-Nov-10	0	14	M51 Series Fuze Bodies, M46 Fuze Body W/Adapter, 75mm Frag
Unit 8-4, 4547 Sugar Maple Road, Oxford, NC, Wade Thomas				3-Nov-10	2,3	804	4-Nov-10	8-Nov-10	8-Nov-10	0	4	M51 T-Bar Fuse, 37mm Prac (empty), PD Fuze Bodies
Unit 8-5, 4543 Sugar Maple Road, Oxford, NC, Terry Cannady				2-Nov-10	3	450	3-Nov-10	3-Nov-10	3-Nov-10	0	0	No MDAS Found
Unit 8-6, 4555 Sugar Maple Road, Oxford, NC, Thomas & Tina Filler				3-Nov-10	1	850	4-Nov-10	8-Nov-10	8-Nov-10	0	4	155/105 Frag, M51 Series Fuze Body
Unit 8-7, 4571 Sugar Maple Road, Oxford, NC, Steven Logan				15-Nov-10	2	550	16-Nov-10	17-Nov-10	17-Nov-10	0	16	75/105 Frag, M51 Series Fuze Body
Unit 8-8, 4567 Sugar Maple Road, Oxford, NC, Robert Hudnall				15-Nov-10	1	980	16-Nov-10	17-Nov-10	17-Nov-10	0	4	M51 Series Fuze Body, M46 Fuze Adapter
Unit 8-9, 4535 Sugar Maple Road, Oxford, NC, Robin French				9-Nov-10	3,4	260	9-Nov-10	10-Nov-10	10-Nov-10	0	5	M51 Fuze (Expended), M47Seres (Expended), 57mm Proj Frag
Unit 8-10, 4579 Sugar Maple Road, Oxford, NC, Scott & Stacey Wade				11-Nov-10	1	560	16-Nov-10	17-Nov-10	17-Nov-10	0	13	75mm Frag, M46Fuze Body W/Adapter, T-Bar Fuze



MDAS Accountability Log

MEC ACCOUNTABILITY LOG - 2010 REMOVAL ACTIONS

Grid/House ID	Team #	Date Found	TYPE		Depth (in)	Disposal Date	Photo ID	Type	Quantity	Remarks
			UXO	DMM						
Unit 12-4	3	16-Aug-10	X		2"	19-Aug-10	C-1 to C-4	60mm Mortar HE	1	guard posted on round. Disposal was delayed due to awaiting shipment of jet perforators. Per USACE, use of boosters prohibited with sandbag barricade procedure
Unit 5-8	2	30-Sep-10	X		3"	30-Sep-10	C-12	2.36" Rkt HEAT	1	
Unit 7-1	1	13-Oct-10	X		3" to 12"	13-Oct-10	C-14 to C-19	81mm Mortar HE	4	
Unit 7-1	1	14-Oct-10	X		9"	14-Oct-10	C-13	81mm Mortar HE	1	
Unit 13-3	4	18-Oct-10	X		6"	19-Oct-10	C-20 to C-24	155mm HE	1	Intentional "Low-Order" disposal to prevent ground shock from spooking nearby horses.
Unit 13-3	4		X			20-Oct-10	C-25 to C-27			Clean-up shot for 155mm disposal that "Low-Ordered" on 19Oct10
Unit 4C-9	2	14-Dec-10		X	2"	14-Dec-10	C-30	MKII Hand Gren HE	1	Transported and destroyed with final clean-up shot of all explosives

## Explosives Usage Logs

# EXPLOSIVE USAGE RECORD

Contract Number: 6007-xxx

Team Number: 3 Date: 19 Aug 10 Project Name: Camp Butner

Team Leader: H. Stepp Work area/Grid Number: Unit 12-4 (1071 wildlife Dr)

EXPLOSIVES	LOT NUMBER	QUANTITIES						Signatures	
		Issued	Initials	Used	Initials	Returned	Initials	Team Leader	Checker
Detonators w/24ft lead	10MY10S1	1	<i>HS</i>	1	<i>HS</i>	0	<i>HS</i>	<i>HS</i>	<i>GBauer</i>
Detonators w/24ft lead	09N009S1	—		—		—			
Det Cord 80 Gr	11JU10SEI	6 ft	<i>HS</i>	6 ft	<i>HS</i>	0	<i>HS</i>	<i>HS</i>	<i>GBauer</i>
Shape Charges	HES-APRV-004	1 ea	<i>HS</i>	1 ea	<i>HS</i>	0	<i>HS</i>	<i>HS</i>	<i>GBauer</i>
Lead in Line	11FE10S1	200 ft	<i>HS</i>	200 ft	<i>HS</i>	0	<i>HS</i>	<i>HS</i>	<i>GBauer</i>
Det Cord 50 gr	23JU08E1	—		—		—			
Black Cap Booster 3/4lb	28SE09E1	—		—		—			

Reviewed and Accepted: Gerald J. Brill Date: 19 Aug 10  
 Senior UXO Supervisor



# EXPLOSIVE USAGE RECORD

Contract Number: 6007-xxx

Team Number: 2 Date: 30 Sep 10 Project Name: Camp Butner

Team Leader: AL Topf Work area/Grid Number: Unit 5-8 1077 Enou Rd

Lat 36°15'10.047  
 Long 78°45'01.671

EXPLOSIVES	LOT NUMBER	QUANTITIES						Signatures	
		Issued	Initials	Used	Initials	Returned	Initials	Team Leader	Checker
Detonators w/24ft lead	10MY10S1	1	GAB	1	AG	0	GAB	AG	G Butner
Detonators w/24ft lead	09N009S1								
Det Cord 80 Gr	11JU10SEI								
Shape Charges	HES-APRV-004	1	GAB	1	AG	0	GAB	AG	G Butner
Lead in Line	11FE10S1	220'	GAB	220'	AG	0	GAB	AG	G Butner
Det Cord 50 gr	23JU08E1	3 ft	GAB	3 ft	AG	0	GAB	AG	G Butner
Black Cap Booster 3/4lb	28SE09E1								

Reviewed and Accepted: Gabe Hartzell Date: 30 Sep 10  
 Senior UXO Supervisor

1st = 14:45 hrs  
 2nd = 14:46 hrs  
 All CIV = 14:48

**EXPLOSIVE USAGE RECORD**

Contract Number: 6007-xxx

Team Number: 1 Date: 13 Oct 10 Project Name: Camp Butner

Team Leader: Allen Work area/Grid Number: Unit 7-1 655 Bethany Church Rd

EXPLOSIVES	LOT NUMBER	QUANTITIES						Signatures	
		Issued	Initials	Used	Initials	Returned	Initials	Team Leader	Checker
Detonators w/24ft lead	10MY10S1	2	GA	2	GA	0	GA	Lone Allen	GA
Detonators w/24ft lead	09N009S1	N/A							
Det Cord 80 Gr	11JU10SEI	31'	GA	31'	GA	0	GA	Lone Allen	GA
Shape Charges	HES-APRV-004	4	GA	4	GA	0	GA	Lone Allen	GA
Lead in Line	11FE10S1	600'	GA	600'	GA	0	GA	Lone Allen	GA
Det Cord 50 gr	23JU08E1	N/A							
Black Cap Booster 3/4lb	28SE09E1	N/A							

Reviewed and Accepted: Paul B. Bank Date: 13 Oct 10

Senior UXO Supervisor

SF = 15:39  
SC = 15:42

### EXPLOSIVE USAGE RECORD

Contract Number: 6007-xxx

Team Number: 1 Date: 14 Oct 10 Project Name: Camp Butner

Team Leader: G Allen Work area/Grid Number: unit 7-1

EXPLOSIVES	LOT NUMBER	QUANTITIES						Signatures	
		Issued	Initials	Used	Initials	Returned	Initials	Team Leader	Checker
Detonators w/24ft lead	10MY10S1	1	GA	1	GA	0		Gene Allen	GBud
Detonators w/24ft lead	09N009S1	N/A							
Det Cord 80 Gr	11JU10SEI	10'	GA	10'	GA	0		Gene Allen	GBud
Shape Charges	HES-APRV-004	1	GA	1	GA	0		Gene Allen	GBud
Lead in Line	11FE10S1	400'	GA	400'	GA	0		Gene Allen	GBud
Det Cord 50 gr	23JU08E1	N/A							
Black Cap Booster 3/4lb	28SE09E1	N/A							

Reviewed and Accepted: Gene Allen Date: 14 Oct 10

Senior UXO Supervisor

SF=16,106  
 ALL CLR = 1610

## EXPLOSIVE USAGE RECORD

Contract Number: 6007-xxx

Team Number: 4 Date: 19 Oct 10 Project Name: Camp Butner

Team Leader: ALU Work area/Grid Number: unit 13-3 4109 Blumental Rd

EXPLOSIVES	LOT NUMBER	QUANTITIES						Signatures	
		Issued	Initials	Used	Initials	Returned	Initials	Team Leader	Checker
Detonators w/24ft lead	10MY10S1	1	SA	1	SA	0	GLB	<i>[Signature]</i>	<i>[Signature]</i>
Detonators w/24ft lead	09N009S1	N/A	—	N/A	—	N/A	N/A		
Det Cord 80 Gr	11JU10SEI	15'	SA	15'	SA	0	GLB	<i>[Signature]</i>	<i>[Signature]</i>
Shape Charges	HES-APRV-004	2	SA	2	SA	0	GLB	<i>[Signature]</i>	<i>[Signature]</i>
Lead in Line	11FE10S1	1080'	SA	1080'	SA	0	GLB	<i>[Signature]</i>	<i>[Signature]</i>
Det Cord 50 gr	23JU08E1	N/A	—	N/A	—	N/A	N/A		
Black Cap Booster 3/4lb	28SE09E1	N/A	—	N/A	—	N/A	N/A		

Reviewed and Accepted: *[Signature]* Date: 19 Oct 10  
 Senior UXO Supervisor

SF = 15:44  
 All clear = 15:48

## EXPLOSIVE USAGE RECORD

Contract Number: 6007-xxx

Team Number: 4 Date: 20 Oct 10 Project Name: Camp Butner

Team Leader: ALV Work area/Grid Number: 13-3 4109 Blue Mtn Rd

EXPLOSIVES	LOT NUMBER	QUANTITIES						Signatures	
		Issued	Initials	Used	Initials	Returned	Initials	Team Leader	Checker
Detonators w/24ft lead	10MY10S1	1	SA	1	SA	<del>1</del>	GB	<i>[Signature]</i>	<i>[Signature]</i>
Detonators w/24ft lead	09N009S1	<del>1</del>	N/A	<del>1</del>	N/A	<del>1</del>	N/A	<i>[Signature]</i>	<i>[Signature]</i>
Det Cord 80 Gr	11JU10SEI	15'	SA	15'	SA	<del>15'</del>	GB	<i>[Signature]</i>	<i>[Signature]</i>
Shape Charges	HES-APRV-004	<del>1</del>	N/A	<del>1</del>	N/A	<del>1</del>	N/A	<i>[Signature]</i>	<i>[Signature]</i>
Lead in Line	11FE10S1	400'	SA	400'	SA	<del>400'</del>	GB	<i>[Signature]</i>	<i>[Signature]</i>
Det Cord 50 gr	23JU08E1	<del>1</del>	N/A	<del>1</del>	N/A	<del>1</del>	N/A	<i>[Signature]</i>	<i>[Signature]</i>
Black Cap Booster 3/4lb	28SE09E1	1	SA	1	SA	<del>1</del>	GB	<i>[Signature]</i>	<i>[Signature]</i>

Reviewed and Accepted: *[Signature]* Date: 20 Oct 10  
 Senior UXO Supervisor

SF 15:40 AC 1544  
 SF 16:00 AC 16:03

**EXPLOSIVE USAGE RECORD**

Contract Number: 6007-xxx

Team Number: 2 Date: 14 Dec 10 Project Name: Camp Butner  
 Team Leader: Turpin Work area/Grid Number: Unit HC-9 and End of Project Clean-up Shot

EXPLOSIVES	LOT NUMBER	QUANTITIES						Signatures	
		Issued	Initials	Used	Initials	Returned	Initials	Team Leader	Checker
Detonators w/24ft lead	10MY10S1	4	A	4	A	0	A	Ap	GHB
Detonators w/24ft lead	09N009S1	19	A	19	A	0	A	Ap	GHB
Det Cord 80 Gr	11JU10SEI	420'	A	420'	A	0	A	Ap	GHB
Shape Charges	HES-APRV-004	41	A	41	A	0	A	Ap	GHB
Lead in Line	11FE10S1	2100'	A	2100'	A	0	A	Ap	GHB
Det Cord 50 gr	23JU08E1	1000'	A	1000'	A	0	A	Ap	GHB
Black Cap Booster 3/4lb	28SE09E1	29	A	29	A	0	A	Ap	GHB

Reviewed and Accepted: Gully Brown Date: 14 Dec 10  
 Senior UXO Supervisor

Magazine Data Cards

Magazine Data Card

Camp Butner, NC

MAG # 1

Nomenclature: Dual Delay Detonators W/24 ft leads

Lot Number: 09N009S1

MAGAZINE COPY

Unit Of Issue: Each

Date	Name	Purpose	Received	Issue	Balance	Checker's Initials
8-Jul-10	G Braddock	Initial Delivery	19	N/A	19	GLB SA
15 July 10	G Braddock	Inventory	19		19	GLB/SA
22 July 10	G Braddock	Inventory	19		19	GLB/SA
29 July 10	G Braddock	Inventory	19		19	GLB/SA
3 Aug 10	G Braddock	Inventory	19		19	GLB/SA
10 Aug 10	G Braddock	Inventory	19		19	GLB/SA
19 Aug 10	Braddock	Inventory	19		19	GLB/SA
26 Aug 10	Braddock	Inventory	19		19	GLB/SA
31 Aug 10	Braddock	Inventory	19		19	GLB/SA
8 Sep 10	Braddock	Inventory	19		19	GLB/SA
14 Sep 10	Braddock	Inventory	19		19	GLB/SA
21 Sep 10	Braddock	Inventory	19		19	GLB/SA
28 Sep 10	Braddock	Inventory	19		19	GLB/SA
30 Sep 10	Braddock	Inventory	19		19	GLB/SA
5 Oct 10	Braddock	Inventory	19		19	GLB/SA
12 Oct 10	Braddock	Inventory	19		19	GLB/SA
13 Oct 10	Braddock	Inventory	19		19	GLB/SA
14 Oct 10	Braddock	Inventory	19		19	GLB/SA
19 Oct 10	Braddock	Inventory	19		19	GLB/SA
20 Oct 10	Braddock	Inventory	19		19	GLB/SA
27 Oct 10	Braddock	Inventory	19		19	GLB/SA
2 Nov 10	Braddock	Inventory	19		19	GLB/SA
10 Nov 10	Braddock	Inventory	19		19	GLB/SA
17 Nov 10	Braddock	Inventory	19		19	GLB/SA
23 Nov 10	Braddock	Inventory	19		19	GLB/SA
30 Nov 10	Braddock	Inventory	19		19	GLB/SA
↑	↑		↑	↑	↑	
95 Houses Completed						
AFTER 95 Houses						
7 Dec 10	Braddock	Inventory	19		19	GLB/SA
14 Dec 10	Braddock	Final Demo		19	0	GLB/SA

The signatures in each section of this document indicate that the items listed were in fact issued, expended, or returned to storage and that all quantities listed were verified through a physical count.



Magazine Data Card

Camp Butner, NC

MAG # 1

Nomenclature: Dual Delay Detonators W/24 ft leads

Lot Number: 10MY10S1

MAGAZINE COPY

Unit Of Issue: Each

Date	Name	Purpose	Received	Issue	Balance	Checker's Initials
8-Jul-10	G Braddock	Initial Delivery	11	N/A	11	SLB SA
15 Jul 10	Braddock	Inventory	—	—	11	SLB/SLB
22 Jul 10	Braddock	Inventory	—	—	11	SLB/SLB
29 Jul 10	Braddock	Inventory	—	—	11	SLB/SLB
3 Aug 10	Braddock	Inventory	—	—	11	SLB/SLB
10 Aug 10	Braddock	Inventory	—	—	11	SLB/SLB
19 Aug 10	Braddock	Demo 12-4	—	1	10	SLB/SLB
19 Aug 10	Braddock	Inventory	—	—	10	SLB/SLB
26 Aug 10	Braddock	Inventory	—	—	10	SLB/SLB
31 Aug 10	Braddock	Inventory	—	—	10	SLB/SLB
8 Sep 10	Braddock	Inventory	—	—	10	SLB/SLB
14 Sep 10	Braddock	Inventory	—	—	10	SLB/SLB
21 Sep 10	Braddock	Inventory	—	—	10	SLB/SLB
28 Sep 10	Braddock	Inventory	—	—	10	SLB/SLB
30 Sep 10	Braddock	Demo 5-8	—	1	9	SLB/SLB
30 Sep 10	Braddock	Inventory	—	—	9	SLB/SLB
5 Oct 10	Braddock	Inventory	—	—	9	SLB/SLB
12 Oct 10	Braddock	Inventory	—	—	9	SLB/SLB
13 Oct 10	Braddock	Demo 7-1	—	2	7	SLB/SLB
13 Oct 10	Braddock	Inventory	—	—	7	SLB/SLB
14 Oct 10	Braddock	Demo 7-1	—	1	6	SLB/SLB
14 Oct 10	Braddock	Inventory	—	—	6	SLB/SLB
19 Oct 10	Braddock	Demo 13-3	—	1	5	SLB/SLB
19 Oct 10	Braddock	Inventory	—	—	5	SLB/SLB
30 Oct 10	Braddock	Demo 13-3	—	1	4	SLB/SLB
30 Oct 10	Braddock	Inventory	—	—	4	SLB/SLB
27 Oct 10	Braddock	Inventory	—	—	4	SLB/SLB
2 Nov 10	Braddock	Inventory	—	—	4	SLB/SLB
10 Nov 10	Braddock	Inventory	—	—	4	SLB/SLB
17 Nov 10	Braddock	Inventory	—	—	4	SLB/SLB
23 Nov 10	Braddock	Inventory	—	—	4	SLB/SLB
30 Nov 10	Braddock	Inventory	—	—	4	SLB/SLB
↑	↑	↑	↑	↑	↑	↑
# 95 Houses Completed						
AFTER 95 Houses						
7 Dec 10	Braddock	Inventory	—	—	4	SLB/SLB
14 Dec 10	Braddock	Final Demo	—	4	0	SLB/SLB

The signatures in each section of this document indicate that the items listed were in fact issued, expended, or returned to storage and that all quantities listed were verified through a physical count.

Magazine Data Card

Camp Butner, NC

MAG # 2

Nomenclature: **Black Cap Boosters 3/4 lb**

Lot Number: **28SE09E1**

MAGAZINE COPY

Unit Of Issue: **Each**

Date	Name	Purpose	Received	Issue	Balance	Checker's Initials
8-Jul-10	G Braddock	Initial Delivery	30	N/A	30	GLB SA
15 July 10	Braddock	Inventory	—	—	30	GLB/RL
22 Jul 10	Braddock	Inventory	—	—	30	GLB/RL
29 Jul 10	Braddock	Inventory	—	—	30	GLB/RL
3 Aug 10	Braddock	Inventory	—	—	30	GLB/RL
10 Aug 10	Braddock	Inventory	—	—	30	GLB/RL
19 Aug 10	Braddock	Inventory	—	—	30	GLB/RL
26 Aug 10	Braddock	Inventory	—	—	30	GLB/RL
31 Aug 10	Braddock	Inventory	—	—	30	GLB/RL
8 Sep 10	Braddock	Inventory	—	—	30	GLB/RL
14 Sep 10	Braddock	Inventory	—	—	30	GLB/RL
21 Sep 10	Braddock	Inventory	—	—	30	GLB/RL
28 Sep 10	Braddock	Inventory	—	—	30	GLB/RL
30 Sep 10	Braddock	Inventory	—	—	30	GLB/RL
5 Oct 10	Braddock	Inventory	—	—	30	GLB/RL
12 Oct 10	Braddock	Inventory	—	—	30	GLB/RL
13 Oct 10	Braddock	Inventory	—	—	30	GLB/RL
14 Oct 10	Braddock	Inventory	—	—	30	GLB/RL
19 Oct 10	Braddock	Inventory	—	—	30	GLB/RL
30 Oct 10	Braddock	Demo 13-3	—	1	29	GLB/RL
30 Oct 10	Braddock	Inventory	—	—	29	GLB/RL
27 Oct 10	Braddock	Inventory	—	—	29	GLB/RL
2 Nov 10	Braddock	Inventory	—	—	29	GLB/RL
10 Nov 10	Braddock	Inventory	—	—	29	GLB/RL
17 Nov 10	Braddock	Inventory	—	—	29	GLB/RL
23 Nov 10	Braddock	Inventory	—	—	29	GLB/RL
30 Nov 10	Braddock	Inventory	—	—	29	GLB/RL
↑	↑	↑ 95 Houses Completed	↑	↑	↑	↑
		AFTER	95 Houses			
7 Dec 10	Braddock	Inventory	—	—	29	GLB/RL
14 Dec 10	Braddock	Final Demo	—	29	0	GLB/RL

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Magazine Data Card

Camp Butner, NC

MAG # 2

Nomenclature: **Lead in Line**

Lot Number: **11FE10S1**

OFFICE COPY

Unit Of Issue: **Foot**

Date	Name	Purpose	Received	Issue	Balance	Checker's Initials
8-Jul-10	G Braddock	Initial Issue	5000 ft		5000 ft	GLB SH
15 Jul 10	Braddock	Inventory	—	—	5000'	GLB/ML
22 Jul 10	Braddock	Inventory	—	—	5000'	GLB/ML
29 Jul 10	Braddock	Inventory	—	—	5000'	GLB/ML
3 Aug 10	Braddock	Inventory	—	—	5000'	GLB/ML
10 Aug 10	Braddock	Inventory	—	—	5000'	GLB/ML
19 Aug 10	Braddock	Inventory	—	—	5000'	GLB/ML
19 Aug 10	Braddock	Inventory	—	—	5000'	GLB/ML
19 Aug 10	Braddock	Demo 12-4		200'	4800'	GLB/ML
26 Aug 10	Braddock	Inventory	—	—	4800'	GLB/ML
31 Aug 10	Braddock	Inventory	—	—	4800'	GLB/ML
8 Sep 10	Braddock	Inventory	—	—	4800'	GLB/ML
14 Sep 10	Braddock	Inventory	—	—	4800'	GLB/ML
21 Sep 10	Braddock	Inventory	—	—	4800'	GLB/ML
28 Sep 10	Braddock	Inventory	—	—	4800'	GLB/ML
30 Sep 10	Braddock	Demo 5-8		220'	4580'	GLB/ML
30 Sep 10	Braddock	Inventory	—	—	4580'	GLB/ML
5 Oct 10	Braddock	Inventory	—	—	4580'	GLB/ML
12 Oct 10	Braddock	Inventory	—	—	4580'	GLB/ML
13 Oct 10	Braddock	Demo 7-11		600'	3980'	GLB/ML
13 Oct 10	Braddock	Inventory	—	—	3980'	GLB/ML
14 Oct 10	Braddock	Demo 7-11		400'	3580'	GLB/ML
14 Oct 10	Braddock	Inventory	—	—	3580'	GLB/ML
19 Oct 10	Braddock	Demo 13-3		1080'	2500'	GLB/ML
19 Oct 10	Braddock	Inventory	—	—	2500'	GLB/ML
20 Oct 10	Braddock	Demo 13-3		400'	2100'	GLB/ML
20 Oct 10	Braddock	Inventory	—	—	2100'	GLB/ML
27 Oct 10	Braddock	Inventory	—	—	2100'	GLB/ML
2 Nov 10	Braddock	Inventory	—	—	2100'	GLB/ML
10 Nov 10	Braddock	Inventory	—	—	2100'	GLB/ML
17 Nov 10	Braddock	Inventory	—	—	2100'	GLB/ML
23 Nov 10	Braddock	Inventory	—	—	2100'	GLB/ML
30 Nov 10	Braddock	Inventory	—	—	2100'	GLB/ML
↑	↑	95 Houses Completed	↑			↑
AFTER 95 HOUSES						
7 Dec 10	Braddock	Inventory	—	—	2100'	GLB/ML
14 Dec 10	Braddock	Final Demo	—	2100'	0	GLB/ML

The signatures in each section of this document indicate that the items listed were in fact issued, expended, or returned to storage and that all quantities listed were verified through a physical count.

Magazine Data Card

Camp Butner, NC

MAG # 2

Nomenclature: 50 Grain Det cord

Lot Number: 23JU08E1

MAGAZINE COPY

Unit Of Issue: Foot

Date	Name	Purpose	Received	Issue	Balance	Checker's Initials
8-Jul-10	G Braddock	Initial Delivery	1000 ft	N/A	1000 ft	GLB SA
15 Jul 10	Braddock	Inventory	<del>1000</del> GLB	---	1000'	GLB / [Signature]
22 Jul 10	Braddock	Inventory	---	---	1000'	GLB / [Signature]
29 Jul 10	Braddock	Inventory	---	---	1000'	GLB / [Signature]
3 Aug 10	Braddock	Inventory	---	---	1000'	GLB / [Signature]
10 Aug 10	Braddock	Inventory	---	---	1000'	GLB / [Signature]
19 Aug 10	Braddock	Inventory	---	---	1000'	GLB / [Signature]
26 Aug 10	Braddock	Inventory	---	---	1000'	GLB / [Signature]
31 Aug 10	Braddock	Inventory	---	---	1000'	GLB / [Signature]
8 Sep 10	Braddock	Inventory	---	---	1000'	GLB / [Signature]
14 Sep 10	Braddock	Inventory	---	---	1000'	GLB / [Signature]
21 Sep 10	Braddock	Inventory	---	---	1000'	GLB / [Signature]
28 Sep 10	Braddock	Inventory	---	---	1000'	GLB / [Signature]
30 Sep 10	Braddock	Inventory	---	---	1000'	GLB / [Signature]
5 Oct 10	Braddock	Inventory	---	---	1000'	GLB / [Signature]
12 Oct 10	Braddock	Inventory	---	---	1000'	GLB / [Signature]
13 Oct 10	Braddock	Inventory	---	---	1000'	GLB / [Signature]
14 Oct 10	Braddock	Inventory	---	---	1000'	GLB / [Signature]
19 Oct 10	Braddock	Inventory	---	---	1000'	GLB / [Signature]
20 Oct 10	Braddock	Inventory	---	---	1000'	GLB / [Signature]
27 Oct 10	Braddock	Inventory	---	---	1000'	GLB / [Signature]
2 Nov 10	Braddock	Inventory	---	---	1000'	GLB / [Signature]
10 Nov 10	Braddock	Inventory	---	---	1000'	GLB / [Signature]
17 Nov 10	Braddock	Inventory	---	---	1000'	GLB / [Signature]
23 Nov 10	Braddock	Inventory	---	---	1000'	GLB / [Signature]
30 Nov 10	Braddock	Inventory	---	---	1000'	GLB / [Signature]
↑	↑	95 Houses completed	↑	↑		↑
		AFTER 95 Houses				
7 Dec 10	Braddock	Inventory	---	---	1000'	GLB / [Signature]
14 Dec 10	Braddock	Final Demo	---	1000'	0	GLB / [Signature]

The signatures in each section of this document indicate that the items listed were in fact issued, expended, or returned to storage and that all quantities listed were verified through a physical count.

Magazine Data Card

Camp Butner, NC

MAG # 2

Nomenclature: 80 Grain Det cord

Lot Number: 11 Jul 10 SE 1

MAGAZINE COPY

Unit Of Issue: Foot

Date	Name	Purpose	Received	Issue	Balance	Checker's Initials
19 Aug 10	Braddock	Initial Issup	500'		500'	GLB/PA
19 Aug 10	Braddock	Demo 12-4		6'	494'	GLB/PA
19 Aug 10	Braddock	Inventory			494'	GLB/PA
26 Aug 10	Braddock	Inventory			494'	GLB/PA
31 Aug 10	Braddock	Inventory			494'	GLB/PA
8 Sep 10	Braddock	Inventory			494'	GLB/PA
14 Sep 10	Braddock	Inventory			494'	GLB/PA
21 Sep 10	Braddock	Inventory			494'	GLB/PA
28 Sep 10	Braddock	Inventory			494'	GLB/PA
30 Sep 10	Braddock	Demo 5-8		3'	491'	GLB/PA
30 Sep 10	Braddock	Inventory			491'	GLB/PA
3 Oct 10	Braddock	Inventory			491'	GLB/PA
12 Oct 10	Braddock	Inventory			491'	GLB/PA
13 Oct 10	Braddock	Demo 7-1		31'	460'	GLB/PA
13 Oct 10	Braddock	Inventory			460'	GLB/PA
14 Oct 10	Braddock	Demo 7-1		10'	450'	GLB/PA
14 Oct 10	Braddock	Inventory			450'	GLB/PA
19 Oct 10	Braddock	Demo 13-3		15'	435'	GLB/PA
19 Oct 10	Braddock	Inventory			435'	GLB/PA
20 Oct 10	Braddock	Demo 13-3		15'	420'	GLB/PA
20 Oct 10	Braddock	Inventory			420'	GLB/PA
27 Oct 10	Braddock	Inventory			420'	GLB/PA
2 Nov 10	Braddock	Inventory			420'	GLB/PA
10 Nov 10	Braddock	Inventory			420'	GLB/PA
17 Nov 10	Braddock	Inventory			420'	GLB/PA
23 Nov 10	Braddock	Inventory			420'	GLB/PA
30 Nov 10	Braddock	Inventory			420'	GLB/PA
↑	↑	95	↑	↑	↑	↑
			Houses Completed			
			AFTER 95 Houses			
7 Dec 10	Braddock	Inventory			420'	GLB/PA
14 Dec 10	Braddock	Final Demo		420'	0	GLB/PA

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Magazine Data Card

Camp Butner, NC

MAG # 2

Nomenclature: Jet Perforator, Chg, 4 in, RDX, DP

Lot Number: HES-APRV-004 17 JUNE 2009

MAGAZINE COPY

Unit Of Issue: Each

Date	Name	Purpose	Received	Issue	Balance	Checker's Initials
19 Aug 10	Braddock	Initial Issue	50		50	GLB/ML
19 Aug 10	Braddock	Demo 12-4		1	49	GLB/ML
19 Aug 10	Braddock	Inventory			49	GLB/ML
26 Aug 10	Braddock	Inventory			49	GLB/ML
31 Aug 10	Braddock	Inventory			49	GLB/ML
8 Sep 10	Braddock	Inventory			49	GLB/ML
14 Sep 10	Braddock	Inventory			49	GLB/ML
21 Sep 10	Braddock	Inventory			49	GLB/ML
28 Sep 10	Braddock	Inventory			49	GLB/ML
30 Sep 10	Braddock	Demo 5-8		1	48	GLB/ML
30 Sep 10	Braddock	Inventory			48	GLB/ML
5 Oct 10	Braddock	Inventory			48	GLB/ML
12 Oct 10	Braddock	Inventory			48	GLB/ML
13 Oct 10	Braddock	Demo 7-1		4	44	GLB/ML
13 Oct 10	Braddock	Inventory			44	GLB/ML
14 Oct 10	Braddock	Demo 7-1		1	43	GLB/ML
14 Oct 10	Braddock	Inventory			43	GLB/ML
19 Oct 10	Braddock	Demo 13-3		2	41	GLB/ML
19 Oct 10	Braddock	Inventory			41	GLB/ML
20 Oct 10	Braddock	Inventory			41	GLB/ML
27 Oct 10	Braddock	Inventory			41	GLB/ML
2 Nov 10	Braddock	Inventory			41	GLB/ML
10 Nov 10	Braddock	Inventory			41	GLB/ML
17 Nov 10	Braddock	Inventory			41	GLB/ML
23 Nov 10	Braddock	Inventory			41	GLB/ML
30 Nov 10	Braddock	Inventory			41	GLB/ML
↑	↑	↑	↑	↑	↑	↑
95 Houses Completed						
AFTER 95 Houses						
7 Dec 10	Braddock	Inventory			41	GLB/ML
14 Dec 10	Braddock	Final Demo		41	0	GLB/ML

The signatures in each section of this document indicate that the items listed were in fact issued, expended, or returned to storage and that all quantities listed were verified through a physical count.

office

Magazine Data Card

Camp Butner, NC

MAG # 1

Nomenclature: Dual Delay Detonators W/24 ft leads

Lot Number: 10MY10S1

OFFICE COPY

Unit Of Issue: Each

Date	Name	Purpose	Received	Issue	Balance	Checker's Initials	
8 Jul 10	Braddock	Initial Delivery	11	N/A	11	GLB/PL	
15 Jul 10	"	Inventory	—	—	11	GLB/PL	
22 Jul 10	"	"	—	—	11	GLB/PL	
29 Jul 10	"	"	—	—	11	GLB/PL	
3 Aug 10	"	"	—	—	11	GLB/PL	
10 Aug 10	"	"	—	—	11	GLB/PL	
19 Aug 10	Braddock	Demo 12-4	—	1	10	GLB/PL	
19 Aug 10	Braddock	Inventory	—	—	10	GLB/PL	
26 Aug 10	"	"	—	—	10	GLB/PL	
31 Aug 10	"	"	—	—	10	GLB/PL	
8 Sep 10	"	"	—	—	10	GLB/PL	
14 Sep 10	"	"	—	—	10	GLB/PL	
21 Sep 10	"	"	—	—	10	GLB/PL	
28 Sep 10	"	"	—	—	10	GLB/PL	
30 Sep 10	Braddock	Demo 5-8	—	1	9	GLB/PL	
30 Sep 10	Braddock	Inventory	—	—	9	GLB/PL	
5 Oct 10	Braddock	Inventory	—	—	9	GLB/PL	
12 Oct 10	Braddock	Inventory	—	—	9	GLB/PL	
13 Oct 10	Braddock	Demo 7-1	—	2	7	GLB/PL	
13 Oct 10	Braddock	Inventory	—	—	7	GLB/PL	
14 Oct 10	Braddock	Demo 7-1	—	1	6	GLB/PL	
14 Oct 10	Braddock	Inventory	—	—	6	GLB/PL	
19 Oct 10	Braddock	Demo 13-3	—	1	5	GLB/PL	
19 Oct 10	Braddock	Inventory	—	—	5	GLB/PL	
20 Oct 10	Braddock	Demo 13-3	—	1	4	GLB/PL	
20 Oct 10	Braddock	Inventory	—	—	4	GLB/PL	
27 Oct 10	Braddock	Inventory	—	—	4	GLB/PL	
2 Nov 10	Braddock	Inventory	—	—	4	GLB/PL	
10 Nov 10	Braddock	Inventory	—	—	4	GLB/PL	
17 Nov 10	Braddock	Inventory	—	—	4	GLB/PL	
23 Nov 10	Braddock	Inventory	—	—	4	GLB/PL	
30 Nov 10	Braddock	Inventory	—	—	4	GLB/PL	
↑	↑	↑	↑	↑	↑	↑	
		95 Houses completed					
		After 95 Houses					
7 Dec 10	Braddock	Inventory	—	—	4	GLB/PL	
14 Dec 10	Braddock	Final Demo	—	4	0	GLB/PL	

The signatures in each section of this document indicate that the items listed were in fact issued, expended, or returned to storage and that all quantities listed were verified through a physical count.

office

Magazine Data Card

Camp Butner, NC

MAG # 1

Nomenclature: Dual Delay Detonators W/24 ft leads

Lot Number: 09N009S1

OFFICE COPY

Unit Of Issue: Each

Date	Name	Purpose	Received	Issue	Balance	Checker's Initials
8-Jul-10	G Braddock	Initial Delivery	19	N/A	19	GLB SA
15 Jul 10	Braddock	Inventory	---	---	19	GLB/SA
22 Jul 10	Braddock	Inventory	---	---	19	GLB/SA
29 Jul 10	Braddock	Inventory	---	---	19	GLB/SA
5 Aug 10	Braddock	Inventory	---	---	19	GLB/SA
10 Aug 10	Braddock	Inventory	---	---	19	GLB/SA
19 Aug 10	Braddock	Inventory	---	---	19	GLB/SA
26 Aug 10	Braddock	Inventory	---	---	19	GLB/SA
31 Aug 10	Braddock	Inventory	---	---	19	GLB/SA
8 Sep 10	Braddock	Inventory	---	---	19	GLB/SA
14 Sep 10	Braddock	Inventory	---	---	19	GLB/SA
21 Sep 10	Braddock	Inventory	---	---	19	GLB/SA
28 Sep 10	Braddock	Inventory	---	---	19	GLB/SA
30 Sep 10	Braddock	Inventory	---	---	19	GLB/SA
5 Oct 10	Braddock	Inventory	---	---	19	GLB/SA
12 Oct 10	Braddock	Inventory	---	---	19	GLB/SA
13 Oct 10	Braddock	Inventory	---	---	19	GLB/SA
14 Oct 10	Braddock	Inventory	---	---	19	GLB/SA
19 Oct 10	Braddock	Inventory	---	---	19	GLB/SA
20 Oct 10	Braddock	Inventory	---	---	19	GLB/SA
27 Oct 10	Braddock	Inventory	---	---	19	GLB/SA
2 Nov 10	Braddock	Inventory	---	---	19	GLB/SA
10 Nov 10	Braddock	Inventory	---	---	19	GLB/SA
17 Nov 10	Braddock	Inventory	---	---	19	GLB/SA
23 Nov 10	Braddock	Inventory	---	---	19	GLB/SA
30 Nov 10	Braddock	Inventory	---	---	19	GLB/SA
↑	↑		↑	↑	↑	↑
		95 Houses Completed				
		After 95 Houses				
7 Dec 10	Braddock	Inventory	---	---	19	GLB/SA
14 Dec 10	Braddock	Final Demo	---	19	0	GLB/SA

The signatures in each section of this document indicate that the items listed were in fact issued, expended, or returned to storage and that all quantities listed were verified through a physical count.





office

Magazine Data Card

Camp Butner, NC

MAG # 2

Nomenclature: **Black Cap Boosters 3/4 lb**

Lot Number: **28SE09E1**

OFFICE COPY

Unit Of Issue: **Each**

Date	Name	Purpose	Received	Issue	Balance	Checker's Initials
8-Jul-10	G Braddock	Initial Delivery	30	N/A	30	GLB SA
15 Jul 10	Spull	Inventory	---	---	30	GLB / [Signature]
22 Jul 10	Braddock	Inventory	---	---	30	GLB / [Signature]
29 Jul 10	Braddock	Inventory	---	---	30	GLB / [Signature]
3 Aug 10	Braddock	Inventory	---	---	30	GLB / [Signature]
10 Aug 10	Braddock	Inventory	---	---	30	GLB / [Signature]
19 Aug 10	Braddock	Inventory	---	---	30	GLB / [Signature]
26 Aug 10	Braddock	Inventory	---	---	30	GLB / [Signature]
31 Aug 10	Braddock	Inventory	---	---	30	GLB / [Signature]
8 Sep 10	Braddock	Inventory	---	---	30	GLB / [Signature]
14 Sep 10	Braddock	Inventory	---	---	30	GLB / [Signature]
21 Sep 10	Braddock	Inventory	---	---	30	GLB / [Signature]
28 Sep 10	Braddock	Inventory	---	---	30	GLB / [Signature]
30 Sep 10	Braddock	Inventory	---	---	30	GLB / [Signature]
5 Oct 10	Braddock	Inventory	---	---	30	GLB / [Signature]
12 Oct 10	Braddock	Inventory	---	---	30	GLB / [Signature]
13 Oct 10	Braddock	Inventory	---	---	30	GLB / [Signature]
14 Oct 10	Braddock	Inventory	---	---	30	GLB / [Signature]
19 Oct 10	Braddock	Inventory	---	---	30	GLB / [Signature]
20 Oct 10	Braddock	Demo 13-3	---	1	29	GLB / [Signature]
20 Oct 10	Braddock	Inventory	---	---	29	GLB / [Signature]
27 Oct 10	Braddock	Inventory	---	---	29	GLB / [Signature]
2 Nov 10	Braddock	Inventory	---	---	29	GLB / [Signature]
10 Nov 10	Braddock	Inventory	---	---	29	GLB / [Signature]
17 Nov 10	Braddock	Inventory	---	---	29	GLB / [Signature]
23 Nov 10	Braddock	Inventory	---	---	29	GLB / [Signature]
30 Nov 10	Braddock	Inventory	---	---	29	GLB / [Signature]
↑	↑	95 Houses Complete	↑	↑	↑	↑
		After 95 Houses				
7 Dec 10	Braddock	Inventory	---	---	29	GLB / [Signature]
14 Dec 10	Braddock	Final Demo	---	29	0	GLB / [Signature]

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Magazine Data Card

Camp Butner, NC

MAG # 2

Nomenclature: 80 Grain Det cord

Lot Number: 11 JUL 10 5M1

OFFICE COPY

Unit Of Issue: Foot

Date	Name	Purpose	Received	Issue	Balance	Checker's Initials	
19 Aug 10	Braddock	Initial Issue	500'		500'	GLB/RL	
19 Aug 10	Braddock	Demo 12-9		6'	494'	GLB/RL	
19 Aug 10	Braddock	Inventory			494'	GLB/RL	
26 Aug 10	Braddock	Inventory			494'	GLB/RL	
31 Aug 10	Braddock	Inventory			494'	GLB/RL	
8 Sep 10	Braddock	Inventory			494'	GLB/RL	
14 Sep 10	Braddock	Inventory			494'	GLB/RL	
21 Sep 10	Braddock	Inventory			494'	GLB/RL	
28 Sep 10	Braddock	Inventory			494'	GLB/RL	
30 Sep 10	Braddock	Demo		3'	491'	GLB/RL	
30 Sep 10	Braddock	Inventory			491'	GLB/RL	
5 Oct 10	Braddock	Inventory			491'	GLB/RL	
12 Oct 10	Braddock	Inventory			491'	GLB/RL	
13 Oct 10	Braddock	Demo 7-1		31'	460'	GLB/RL	
13 Oct 10	Braddock	Inventory			460'	GLB/RL	
14 Oct 10	Braddock	Demo 7-1		10'	450'	GLB/RL	
14 Oct 10	Braddock	Inventory			450'	GLB/RL	
19 Oct 10	Braddock	Demo 13-3		15'	435'	GLB/RL	
19 Oct 10	Braddock	Inventory			435'	GLB/RL	
20 Oct 10	Braddock	Demo 13-3		15'	420'	GLB/RL	
20 Oct 10	Braddock	Inventory			420'	GLB/RL	
27 Oct 10	Braddock	Inventory			420'	GLB/RL	
2 Nov 10	Braddock	Inventory			420'	GLB/RL	
10 Nov 10	Braddock	Inventory			420'	GLB/RL	
17 Nov 10	Braddock	Inventory			420'	GLB/RL	
29 Nov 10	Braddock	Inventory			420'	GLB/RL	
30 Nov 10	Braddock	Inventory			420'	GLB/RL	
↑	↑		↑	↑		↑	
		95 Houses Complete					
		AFTER 95 Houses					
7 Dec 10	Braddock	Inventory			420'	GLB/RL	
14 Dec 10	Braddock	Final Demo		420'	0	GLB/RL	

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office

Magazine Data Card

Camp Butner, NC

MAG # 2

Nomenclature: **50 Grain Det cord**  
Lot Number: **23JU08E1**

OFFICE COPY

Unit Of Issue: **Foot**

Date	Name	Purpose	Received	Issue	Balance	Checker's Initials
8-Jul-10	G Braddock	Initial Delivery	1000 ft	N/A	1000 ft	GLB SA
15 Jul 10	G Braddock	Inventory	←	←	1000'	GLB / [Signature]
22 Jul 10	Braddock	Inventory	←	←	1000'	GLB / [Signature]
29 Jul 10	Braddock	Inventory	←	←	1000'	GLB / [Signature]
3 Aug 10	Braddock	Inventory	←	←	1000'	GLB / [Signature]
10 Aug 10	Braddock	Inventory	←	←	1000'	GLB / [Signature]
19 Aug 10	Braddock	Inventory	←	←	1000'	GLB / [Signature]
26 Aug 10	Braddock	Inventory	←	←	1000'	GLB / [Signature]
31 Aug 10	Braddock	Inventory	←	←	1000'	GLB / [Signature]
8 Sep 10	Braddock	Inventory	←	←	1000'	GLB / [Signature]
14 Sep 10	Braddock	Inventory	←	←	1000'	GLB / [Signature]
21 Sep 10	Braddock	Inventory	←	←	1000'	GLB / [Signature]
28 Sep 10	Braddock	Inventory	←	←	1000'	GLB / [Signature]
30 Sep 10	Braddock	Inventory	←	←	1000'	GLB / [Signature]
5 Oct 10	Braddock	Inventory	←	←	1000'	GLB / [Signature]
12 Oct 10	Braddock	Inventory	←	←	1000'	GLB / [Signature]
13 Oct 10	Braddock	Inventory	←	←	1000'	GLB / [Signature]
14 Oct 10	Braddock	Inventory	←	←	1000'	GLB / [Signature]
19 Oct 10	Braddock	Inventory	←	←	1000'	GLB / [Signature]
20 Oct 10	Braddock	Inventory	←	←	1000'	GLB / [Signature]
27 Oct 10	Braddock	Inventory	←	←	1000'	GLB / [Signature]
2 Nov 10	Braddock	Inventory	←	←	1000'	GLB / [Signature]
10 Nov 10	Braddock	Inventory	←	←	1000'	GLB / [Signature]
17 Nov 10	Braddock	Inventory	←	←	1000'	GLB / [Signature]
23 Nov 10	Braddock	Inventory	←	←	1000'	GLB / [Signature]
30 Nov 10	Braddock	Inventory	←	←	1000'	GLB / [Signature]
↑	↑	←	↑	↑	←	↑
		95 Houses complete				
		After 95 Houses				
7 Dec 10	Braddock	Inventory	←	←	1000'	GLB / [Signature]
14 Dec 10	Braddock	Final Demo	←	1000'	0	GLB / [Signature]

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Magazine Data Card

Camp Butner, NC

MAG # 2

Nomenclature: **Lead in Line**

Lot Number: **11FE10S1**

MAGAZINE COPY

Unit Of Issue: **Foot**

Date	Name	Purpose	Received	Issue	Balance	Checker's Initials
8-Jul-10	G Braddock	Initial Issue	5000 ft		5000 ft	GLB SA
15 Jul 10	Braddock	Inventory	---	---	5000'	GLB / [Signature]
22 Jul 10	Braddock	Inventory	---	---	5000'	GLB / [Signature]
29 Jul 10	Braddock	Inventory	---	---	5000'	GLB / [Signature]
3 Aug 10	Braddock	Inventory	---	---	5000'	GLB / [Signature]
10 Aug 10	Braddock	Inventory	---	---	5000'	GLB / [Signature]
19 Aug 10	G Braddock	Inventory	---	---	5000'	GLB / [Signature]
19 Aug 10	G Braddock	Demo 12-4	---	200'	4800'	GLB / [Signature]
26 Aug 10	G Braddock	Inventory	---	---	4800'	GLB / [Signature]
31 Aug 10	G Braddock	Inventory	---	---	4800'	GLB / [Signature]
9 Sep 10	G Braddock	Inventory	---	---	4800'	GLB / [Signature]
14 Sep 10	G Braddock	Inventory	---	---	4800'	GLB / [Signature]
21 Sep 10	G Braddock	Inventory	---	---	4800'	GLB / [Signature]
28 Sep 10	G Braddock	Inventory	---	---	4800'	GLB / [Signature]
30 Sep 10	G Braddock	Demo	---	220'	4580'	GLB / [Signature]
30 Sep 10	G Braddock	Inventory	---	---	4580'	GLB / [Signature]
5 Oct 10	G Braddock	Inventory	---	---	4580'	GLB / [Signature]
12 Oct 10	Braddock	Inventory	---	---	4580'	GLB / [Signature]
13 Oct 10	Braddock	Demo Unit 7-1	---	600'	3980'	GLB / [Signature]
13 Oct 10	Braddock	Inventory	---	---	3980'	GLB / [Signature]
14 Oct 10	Braddock	Demo 7-1	---	400'	3580'	GLB / [Signature]
14 Oct 10	Braddock	Inventory	---	---	3580'	GLB / [Signature]
19 Oct 10	Braddock	Demo 13-3	---	1080'	2500'	GLB / [Signature]
19 Oct 10	Braddock	Inventory	---	---	2500'	GLB / [Signature]
20 Oct 10	Braddock	Demo 13-3	---	400'	2100'	GLB / [Signature]
20 Oct 10	Braddock	Inventory	---	---	2100'	GLB / [Signature]
27 Oct 10	Braddock	Inventory	---	---	2100'	GLB / [Signature]
2 Nov 10	Braddock	Inventory	---	---	2100'	GLB / [Signature]
10 Nov 10	Braddock	Inventory	---	---	2100'	GLB / [Signature]
17 Nov 10	Braddock	Inventory	---	---	2100'	GLB / [Signature]
23 Nov 10	Braddock	Inventory	---	---	2100'	GLB / [Signature]
30 Nov 10	Braddock	Inventory	---	---	2100'	GLB / [Signature]
↑	↑	↑	↑	↑	↑	↑
			95 Houses Complete			
			AFTER 95 Houses			
7 Dec 10	Braddock	Inventory	---	---	2100'	GLB / [Signature]
14 Dec 10	Braddock	Final Demo	---	2100'	0	GLB / [Signature]

The signatures in each section of this document indicate that the items listed were in fact issued, expended, or returned to storage and that all quantities listed were verified through a physical count.

MDAS Destruction Certification



**Chesapeake Metals, Inc.**

1207 School Street, Suite 5  
Richmond, VA 23220

Office: 804-644-1901  
Facsimile: 804-644-1902

Toll free: 888-644-1901

Mr. George Spencer  
USA Environmental, Inc.  
720 Brooker Creek Blvd, Suite 204  
Oldsmar, Florida 34677

**Subject:** Final Disposition/Destruct of Munitions Designated As Safe (MDAS) Received From USA Environmental, Inc. from Job Site Located at Camp Butner, NC. Purchase Order Number 770-6007.


Mr. Spencer,

Final disposition/destruct was performed on December 20, 2010 at the Chesapeake Metals Inc. facility located at 1207 School Street, Suite 5, Richmond VA, 23220. Destruct was performed using heat treatment, oxygen/propane torches and heating/cutting/melting of the metal with sufficient heat to burn or destroy any residual explosive material and render the material as unrecognizable as ordnance items. Four each 55 gallon drums of MDAS were received and destroyed as recognized by the following seal numbers:

Seal numbers: Drum # 1 – 254940  
Drum # 2 – 254941  
Drum # 3 – 254942  
Drum # 4 – 254943

Operation was performed by Mr. Albert Mitchell and Mr. Charles Brown and witnessed by a qualified Explosive Ordnance Disposal person and the CMI facilities director, Mr. Richard Collins.

Witness:   
Certified by-Mr. John J. Stine  
UXO Certification #539

Witness:   
Verified by - Mr. Richard Collins  
CMI, Director/General Manager

Material is no longer considered as Munitions Debris and may be released for resale to general public.

Sincerely,



Richard D. Collins  
Director/General Manager

CHAIN OF CUSTODY DOCUMENT

Site: CAMP BUTNER, NC

P.O./LOAD NUMBER: 770-6007 Client: USA ENVIRONMENTAL, INC.

ADDRESS: 720 BROOKER CREEK BLVD, STE 307, OAKSTAR FL (ATTN) GEORGE SAENER  
34627

PHONE #: (813) 343-6358

WEIGHT: 2534 lbs - DRUMS

Description of scrap metal being shipped: (See attachment as requires)

MDAS - #1(254940) #2(254941) #3(254942) #4(254943) 4 EA 55-gal DRUMS

Certifications of scrap metal

"This certifies that the material listed has been 100% properly inspected or processed by approved means and to the best of our knowledge and belief, does not pose an explosive hazard and is safe for unrestricted transfer and release for recycling or disposal"

Name: Gerald Braddock

[Signature] 16 Dec 10  
Signature Date

Position: SUXOS

Name of trucking company of facility -receiving load:

CMT, Inc.

[Signature] 12/16/10  
Drivers signature Date

Transferred:

Name and address of trucking company or facility receiving load:

CMT  
1207 SCHOOL ST,  
RICHMOND, VA  
Phone #: (804) 644-1901

RICHARD COLLINS  
Print Name of person receiving this load

[Signature] 12/16/10  
Signature Date

Transferred:

Name and address of trucking company or facility receiving load:

\_\_\_\_\_  
Signature Date

Phone #: \_\_\_\_\_

Note: Upon completion of final destruct of above listed material (MDAS), a copy of this document will be returned to the client.



PREVIOUS EDITION MAY BE USED

1. DATE	2. FROM	3. TO	4. QUANTITY	5. SURFACIAL	6. SURFACE	7. SURFACE	8. SURFACE	9. SURFACE	10. SURFACE	11. SURFACE	12. SURFACE	13. SURFACE	14. SURFACE	15. SURFACE	16. SURFACE	17. SURFACE	18. SURFACE	19. SURFACE	20. SURFACE	21. SURFACE	22. SURFACE	23. SURFACE	24. SURFACE	25. SURFACE	26. SURFACE	27. SURFACE	28. SURFACE	29. SURFACE	30. SURFACE	31. SURFACE	32. SURFACE	33. SURFACE	34. SURFACE	35. SURFACE	36. SURFACE	37. SURFACE	38. SURFACE	39. SURFACE	40. SURFACE	41. SURFACE	42. SURFACE	43. SURFACE	44. SURFACE	45. SURFACE	46. SURFACE	47. SURFACE	48. SURFACE	49. SURFACE	50. SURFACE	51. SURFACE	52. SURFACE	53. SURFACE	54. SURFACE	55. SURFACE	56. SURFACE	57. SURFACE	58. SURFACE	59. SURFACE	60. SURFACE	61. SURFACE	62. SURFACE	63. SURFACE	64. SURFACE	65. SURFACE	66. SURFACE	67. SURFACE	68. SURFACE	69. SURFACE	70. SURFACE	71. SURFACE	72. SURFACE	73. SURFACE	74. SURFACE	75. SURFACE	76. SURFACE	77. SURFACE	78. SURFACE	79. SURFACE	80. SURFACE	81. SURFACE	82. SURFACE	83. SURFACE	84. SURFACE	85. SURFACE	86. SURFACE	87. SURFACE	88. SURFACE	89. SURFACE	90. SURFACE	91. SURFACE	92. SURFACE	93. SURFACE	94. SURFACE	95. SURFACE	96. SURFACE	97. SURFACE	98. SURFACE	99. SURFACE	100. SURFACE																																																																																																				
1. DATE		2. FROM		3. TO		4. QUANTITY		5. SURFACIAL		6. SURFACE		7. SURFACE		8. SURFACE		9. SURFACE		10. SURFACE		11. SURFACE		12. SURFACE		13. SURFACE		14. SURFACE		15. SURFACE		16. SURFACE		17. SURFACE		18. SURFACE		19. SURFACE		20. SURFACE		21. SURFACE		22. SURFACE		23. SURFACE		24. SURFACE		25. SURFACE		26. SURFACE		27. SURFACE		28. SURFACE		29. SURFACE		30. SURFACE		31. SURFACE		32. SURFACE		33. SURFACE		34. SURFACE		35. SURFACE		36. SURFACE		37. SURFACE		38. SURFACE		39. SURFACE		40. SURFACE		41. SURFACE		42. SURFACE		43. SURFACE		44. SURFACE		45. SURFACE		46. SURFACE		47. SURFACE		48. SURFACE		49. SURFACE		50. SURFACE		51. SURFACE		52. SURFACE		53. SURFACE		54. SURFACE		55. SURFACE		56. SURFACE		57. SURFACE		58. SURFACE		59. SURFACE		60. SURFACE		61. SURFACE		62. SURFACE		63. SURFACE		64. SURFACE		65. SURFACE		66. SURFACE		67. SURFACE		68. SURFACE		69. SURFACE		70. SURFACE		71. SURFACE		72. SURFACE		73. SURFACE		74. SURFACE		75. SURFACE		76. SURFACE		77. SURFACE		78. SURFACE		79. SURFACE		80. SURFACE		81. SURFACE		82. SURFACE		83. SURFACE		84. SURFACE		85. SURFACE		86. SURFACE		87. SURFACE		88. SURFACE		89. SURFACE		90. SURFACE		91. SURFACE		92. SURFACE		93. SURFACE		94. SURFACE		95. SURFACE		96. SURFACE		97. SURFACE		98. SURFACE		99. SURFACE		100. SURFACE	

USA Environmental, Inc. Oldsmar, FL 34658-6858  
 USA Environmental, Inc., Camp Butler, Butler, NC (417)247-7484

This certifies that the material listed has been 100 percent properly inspected and, to the best of our knowledge and belief, are free of explosive hazards, engine fluids, illuminating fluids and other visible liquid HWR materials.

Date: 15 Dec 10

Signature: *[Handwritten Signature]*

Certified: Gerald L. Bradlock, S/CNCS, U.S.A. Signature:

Date: 15 Dec 10

Signature: *[Handwritten Signature]*

Verified: Hank Counts, USAF (Savannah District) (615)541-8860

FPMAK DESTRUCT PERFORMED : DEC. 20, 2010 - *[Handwritten Signature]*

Adobe Designer 7.0

**U.S. Army Corps of Engineers  
U.S. Army Engineering Center, Huntsville, AL**

**Army National Guard Camp Butner Training Site, Butner, NC**


**USA Environmental, Inc  
Oldsmar, Florida 34677 (813) 343-6358**

**Container # 001 Seal #254940**

**Contents- Munitions Debris-Inert Scrap Metal EX Range  
Residues (non-explosive)-Ferrous Metals**

**Weight = 691 Lbs**

*SEE ATTACHED DD FORM 1348-1A*

A handwritten signature in black ink, appearing to be "J. H. E.", written in a cursive style.

**U.S. Army Corps of Engineers  
U.S. Army Engineering Center, Huntsville, AL**

**Army National Guard Camp Butner Training Site, Butner, NC**

**USA Environmental, Inc  
Oldsmar, Florida 34677 (813) 343-6358**

**Container # 002 Seal #254941**

**Contents- Munitions Debris-Inert Scrap Metal EX Range  
Residues (non-explosive)-Ferrous Metals**

**Weight = 788 Lbs**

*SEE ATTACHED DD FORM 1348-1A*

A handwritten signature in black ink, appearing to be "J. S. [unclear]", written over a horizontal line.

**U.S. Army Corps of Engineers  
U.S. Army Engineering Center, Huntsville, AL**

**Army National Guard Camp Butner Training Site, Butner, NC**

**USA Environmental, Inc  
Oldsmar, Florida 34677 (813) 343-6358**

**Container # 003 Seal #254942**

**Contents- Munitions Debris-Inert Scrap Metal EX Range  
Residues (non-explosive)-Ferrous Metals**

**Weight = 535 Lbs**

*SEE ATTACHED TO FORM F348-1A*



**U.S. Army Corps of Engineers  
U.S. Army Engineering Center, Huntsville, AL**

**Army National Guard Camp Butner Training Site, Butner, NC**

**USA Environmental, Inc  
Oldsmar, Florida 34677 (813) 343-6358**

**Container # 004 Seal #254943**

**Contents- Munitions Debris-Inert Scrap Metal EX Range  
Residues (non-explosive)-Ferrous Metals**

**Weight = 520 Lbs**

*SEE ATTACHED ODFoem 1348-1A*

A handwritten signature in black ink, appearing to be the initials 'JH' or similar, written in a cursive style.

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**APPENDIX C. PHOTOGRAPHS**

This appendix contains the following photographs of major activities and MEC discoveries during site operations at former Camp Butner, Butner, North Carolina:

Figure C-1: 60mm mortar found at Complex 1 Unit 12-4..... C-3

Figure C-2: 60mm mortar prepared for BIP, Complex 1 Unit 12-4 ..... C-3

Figure C-3: Results of 60mm BIP, Complex 1 Unit 12-4 ..... C-4

Figure C-4: Results of 60mm BIP, Complex 1 Unit 12-4 ..... C-4

Figure C-5: Mag & Dig using two different sensors ..... C-5

Figure C-6: Bushhog operations ..... C-5

Figure C-7: Vegetation removal at Complex 2 Unit 5-2 ..... C-6

Figure C-8: Weedeater at work on Complex 2, Unit 5-2..... C-6

Figure C-9: Operation of White’s metal detector..... C-7

Figure C-10: Cultural Debris found during typical clearance ..... C-7

Figure C-11: Trash encountered during typical clearance ..... C-8

Figure C-12: 2.36” rocket discovery at Complex 2 Unit 5-8..... C-8

Figure C-13: One of five 81mm mortars found at Complex 2 Unit 7-1 ..... C-9

Figure C-14: One of five 81mm mortars found at Complex 2 Unit 7-1 ..... C-9

Figure C-15: Placement of two 81mm mortars in blowhole for demolition ..... C-10

Figure C-16: Sandbag barricade placed over 81mm mortars..... C-10

Figure C-17: Close-up of demolition shot showing sandbag scatter ..... C-11

Figure C-18: Same demolition shot from firing line..... C-11

Figure C-19: Close-up of blowhole from mortar demo shot..... C-12

Figure C-20: 155mm projectile at Complex 1 Unit 13-3..... C-12

Figure C-21: Demolition shape charges attached to 155mm projectile..... C-13

Figure C-22: Sandbag barricade over 155mm projectile ..... C-13

Figure C-23: Intentional low-order detonation of 155mm projectile ..... C-14

Figure C-24: Low-ordered 155mm projectile ..... C-14

Figure C-25: Demolition clean-up shot of 155mm projectile ..... C-15

Figure C-26: Blowhole after clean-up shot of 155mm projectile ..... C-15

Figure C-27: USACE Safety Specialist clearing shot hole after detonation ..... C-16

Figure C-28: RAB meeting conducted on 28 October 2010 ..... C-16

Figure C-29: Clearing flags at Complex 1 Unit 13-1 ..... C-17

Figure C-30: MKII hand grenade (with pin intact) found at Area 4C-9 ..... C-17

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**Figure C-1: 60mm mortar found at Complex 1 Unit 12-4**



**Figure C-2: 60mm mortar prepared for BIP, Complex 1 Unit 12-4**





**Figure C-3: Results of 60mm BIP, Complex 1 Unit 12-4**



**Figure C-4: Results of 60mm BIP, Complex 1 Unit 12-4**



**Figure C-5: Mag & Dig using two different sensors**



**Figure C-6: Bushhog operations**



**Figure C-7: Vegetation removal at Complex 2 Unit 5-2**



**Figure C-8: Weedeater at work on Complex 2, Unit 5-2**



**Figure C-9: Operation of White's metal detector**



**Figure C-10: Cultural Debris found during typical clearance**



**Figure C-11: Trash encountered during typical clearance**



**Figure C-12: 2.36" rocket discovery at Complex 2 Unit 5-8**



Figure C-13: One of five 81mm mortars found at Complex 2 Unit 7-1



Figure C-14: One of five 81mm mortars found at Complex 2 Unit 7-1



**Figure C-15: Placement of two 81mm mortars in blowhole for demolition**



**Figure C-16: Sandbag barricade placed over 81mm mortars**



**Figure C-17: Close-up of demolition shot showing sandbag scatter**



**Figure C-18: Same demolition shot from firing line**





**Figure C-19: Close-up of blowhole from mortar demo shot**



**Figure C-20: 155mm projectile at Complex 1 Unit 13-3**



**Figure C-21: Demolition shape charges attached to 155mm projectile**



**Figure C-22: Sandbag barricade over 155mm projectile**



**Figure C-23: Intentional low-order detonation of 155mm projectile**



**Figure C-24: Low-ordered 155mm projectile**



**Figure C-25: Demolition clean-up shot of 155mm projectile**



**Figure C-26: Blowhole after clean-up shot of 155mm projectile**



**Figure C-27: USACE Safety Specialist clearing shot hole after detonation**



**Figure C-28: RAB meeting conducted on 28 October 2010**



**Figure C-29: Clearing flags at Complex 1 Unit 13-1**



**Figure C-30: MKII hand grenade (with pin intact) found at Area 4C-9**

## APPENDIX D. MAPS

This appendix contains the following maps for the Butner sites:

- D-1 Location Map
- D-2 Status Map for 2010
- D-2A Status Map for all Work
- D-3 Area 4 Range Complex 1 Unit 10-6 – Washington
- D-4 Area 4 Range Complex 1 Unit 10-7 – Mikels
- D-5 Area 4 Range Complex 1 Unit 10-8 -- Carrigan
- D-6 Area 4 Range Complex 1 Unit 10-9 -- Cope
- D-7 Area 4 Range Complex 1 Unit 10-10 -- Dixon
- D-8 Area 4 Range Complex 1 Unit 11-1 – Tunstall
- D-9 Area 4 Range Complex 1 Unit 11-2 – Schmidt
- D-10 Area 4 Range Complex 1 Unit 11-3 -- Arrington
- D-11 Area 4 Range Complex 1 Unit 11-4 – Marin-Quintero
- D-12 Area 4 Range Complex 1 Unit 11-5 – Gibson
- D-13 Area 4 Range Complex 1 Unit 11-6 – Brelinsky
- D-14 Area 4 Range Complex 1 Unit 11-7 – Waldron
- D-15 Area 4 Range Complex 1 Unit 11-8 – Waters
- D-16 Area 4 Range Complex 1 Unit 11-9 – Beckwith
- D-17 Area 4 Range Complex 1 Unit 11-10 – Boone
- D-18 Area 4 Range Complex 1 Unit 12-1 – Watkins
- D-19 Area 4 Range Complex 1 Unit 12-2 – Ray
- D-20 Area 4 Range Complex 1 Unit 12-3 – Hendon
- D-21 Area 4 Range Complex 1 Unit 12-4 – McFarland
- D-22 Area 4 Range Complex 1 Unit 12-5 – Barrett
- D-23 Area 4 Range Complex 1 Unit 12-6 – Elmore
- D-24 Area 4 Range Complex 1 Unit 12-7 – Watkins
- D-25 Area 4 Range Complex 1 Unit 12-8 – Hansley
- D-26 Area 4 Range Complex 1 Unit 12-9 – Gillis
- D-27 Area 4 Range Complex 1 Unit 12-10 – Overby
- D-28 Area 4 Range Complex 1 Unit 13-1 – Schmidt
- D-29 Area 4 Range Complex 1 Unit 13-2 – Seaford
- D-30 Area 4 Range Complex 1 Unit 13-3 – Dearborn
- D-31 Area 4 Range Complex 1 Unit 13-4 – Hester
- D-32 Area 4 Range Complex 1 Unit 13-5 – Glover
- D-33 Area 4 Range Complex 1 Unit 13-6 – Hilton
- D-34 Area 4 Range Complex 1 Unit 13-7 – Scoggins
- D-35 Area 4 Range Complex 1 Unit 13-8 – Hemig
- D-36 Area 4 Range Complex 1 Unit 13-9 – Mangum
- D-37 Area 4 Range Complex 1 Unit 13-10 – Daniels
- D-38 Area 4 Range Complex 1 Unit 14-1 – Bass
- D-39 Area 4 Range Complex 1 Unit 14-2 – Campbell

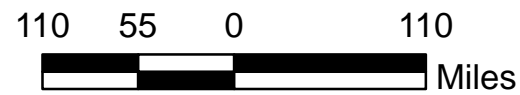
- D-40 Area 4 Range Complex 1 Unit 14-3 – Perunko
- D-41 Area 4 Range Complex 1 Unit 14-4 – Hoppenworth
- D-42 Area 4 Range Complex 1 Unit 14-5 – Jackson
- D-43 Area 4 Range Complex 1 Unit 14-6 – Norris
- D-44 Area 4 Range Complex 1 Unit 14-7 – Peebles
- D-45 Area 4 Range Complex 1 Unit 14-8 – Corbin
- D-46 Area 4 Range Complex 1 Unit 14-9 – Jones
- D-47 Area 4 Range Complex 1 Unit 14-10 – Jones
- D-48 Area 4 Range Complex 2 Unit 4-1 – Daniel
- D-49 Area 4 Range Complex 2 Unit 4-2 – Hicks
- D-50 Area 4 Range Complex 2 Unit 4-3 – Baczek
- D-51 Area 4 Range Complex 2 Unit 4-4 – Tarlton
- D-52 Area 4 Range Complex 2 Unit 4-5 – Mazlak
- D-53 Area 4 Range Complex 2 Unit 4-6 – Winstead
- D-54 Area 4 Range Complex 2 Unit 4-7 – Harris, Richard
- D-55 Area 4 Range Complex 2 Unit 4-8 – Harris, Elsie
- D-56 Area 4 Range Complex 2 Unit 4-9 – Harris, George
- D-57 Area 4 Range Complex 2 Unit 4-10 – Harris, George
- D-58 Area 4 Range Complex 2 Unit 5-1 – Harrison
- D-59 Area 4 Range Complex 2 Unit 5-2 – Harris
- D-60 Area 4 Range Complex 2 Unit 5-3 – Carl Mangum
- D-61 Area 4 Range Complex 2 Unit 5-4 – Bill Mangum
- D-62 Area 4 Range Complex 2 Unit 5-5 – White
- D-63 Area 4 Range Complex 2 Unit 5-6 – Newsome
- D-64 Area 4 Range Complex 2 Unit 5-7 – Nancy Mangum
- D-65 Area 4 Range Complex 2 Unit 5-8 – Adcock
- D-66 Area 4 Range Complex 2 Unit 5-9 – Morris
- D-67 Area 4 Range Complex 2 Unit 5-10 – Nancy Mangum
- D-68 Area 4 Range Complex 2 Unit 6-1 – Baskett
- D-69 Area 4 Range Complex 2 Unit 6-2 – Brogden
- D-70 Area 4 Range Complex 2 Unit 6-3 – McKnight
- D-71 Area 4 Range Complex 2 Unit 6-4 – Miller
- D-72 Area 4 Range Complex 2 Unit 6-5 – Harding
- D-73 Area 4 Range Complex 2 Unit 6-6 – Beard
- D-74 Area 4 Range Complex 2 Unit 6-7 – Sandifer
- D-75 Area 4 Range Complex 2 Unit 6-8 – Black
- D-76 Area 4 Range Complex 2 Unit 6-9 – Wilkerson
- D-77 Area 4 Range Complex 2 Unit 6-10 – Day
- D-78 Area 4 Range Complex 2 Unit 7-1 – John Mangum
- D-79 Area 4 Range Complex 2 Unit 7-2 – Day
- D-80 Area 4 Range Complex 2 Unit 7-3 – Hilliard
- D-81 Area 4 Range Complex 2 Unit 7-4 – Piper
- D-82 Area 4 Range Complex 2 Unit 7-5 – Adcock
- D-83 Area 4 Range Complex 2 Unit 7-6 – Swift



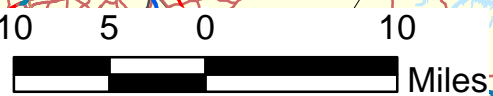
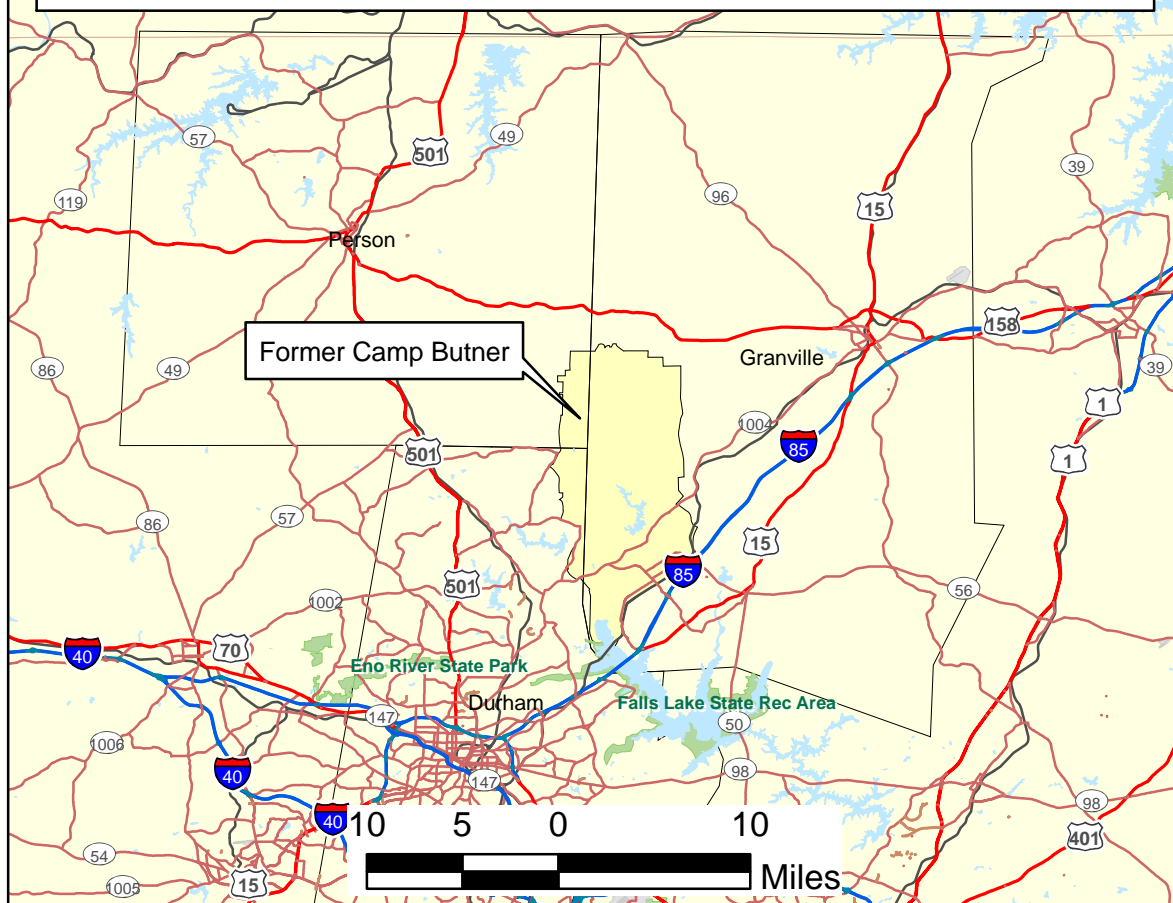
D-84 Area 4 Range Complex 2 Unit 7-7 – Gregory  
D-85 Area 4 Range Complex 2 Unit 7-8 – Wilson  
D-86 Area 4 Range Complex 2 Unit 7-9 – Williams  
D-87 Area 4 Range Complex 2 Unit 7-10 – Peace  
D-88 Area 4 Range Complex 2 Unit 8-1 – Jeffries  
D-89 Area 4 Range Complex 2 Unit 8-2 – Holcomb  
D-90 Area 4 Range Complex 2 Unit 8-3 – Braxton  
D-91 Area 4 Range Complex 2 Unit 8-4 – Thomas  
D-92 Area 4 Range Complex 2 Unit 8-5 -- Cannady  
D-93 Area 4 Range Complex 2 Unit 8-6 – Filler  
D-94 Area 4 Range Complex 2 Unit 8-7 – Logan  
D-95 Area 4 Range Complex 1 Unit 8-8 – Hudnall  
D-96 Area 4 Range Complex 1 Unit 8-9 – French  
D-97 Area 4 Range Complex 1 Unit 8-10 – Wade  
D-98 Area 4C Unit 9 – Blalock  
D-99 Area 4C Unit 10 – Glosson

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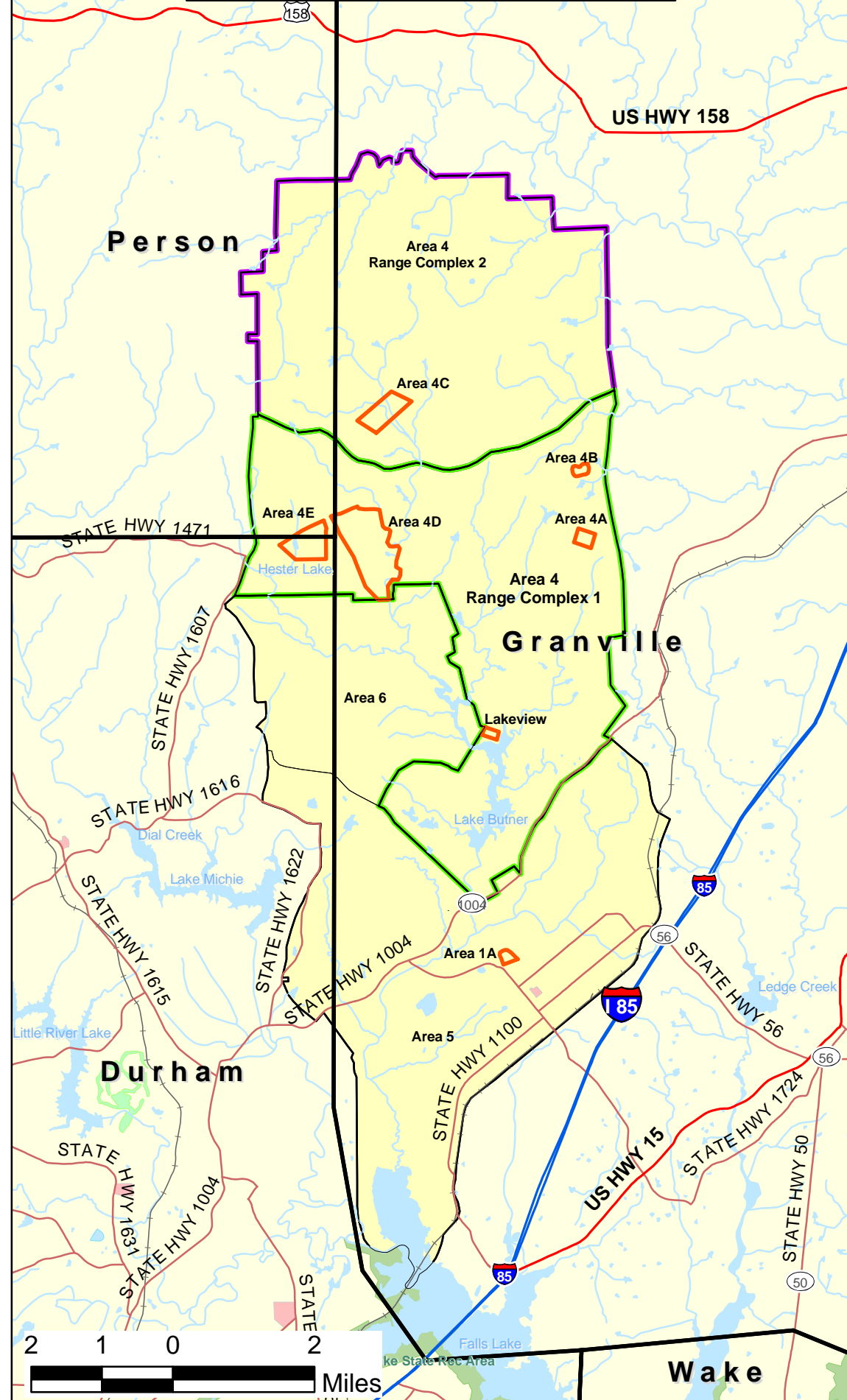
# North Carolina



## Durham, Granville, and Person Counties



## Former Camp Butner



Scale Varies

Data is projected to the UTM Coordinate System:  
Zone 17 North, NAD83, Units in Meters.

# Figure D-1 Location Map

## Former Camp Butner, NC

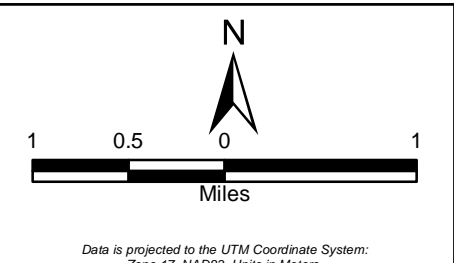
### Legend

- Primary Limited Access
- Primary US & State Highways
- Secondary State & County
- Clearance Areas
- Range Complex 1
- Range Complex 2
- Former Camp Butner Boundary

*USA Environmental, Inc.* US Army Engineering And Support Center  
Huntsville, Alabama

Drawn By: SPC	Scale: Varies	Rev:
Checked By:	Date Drawn: 1-20-2011	
Submitted By: RN	Revision Date:	

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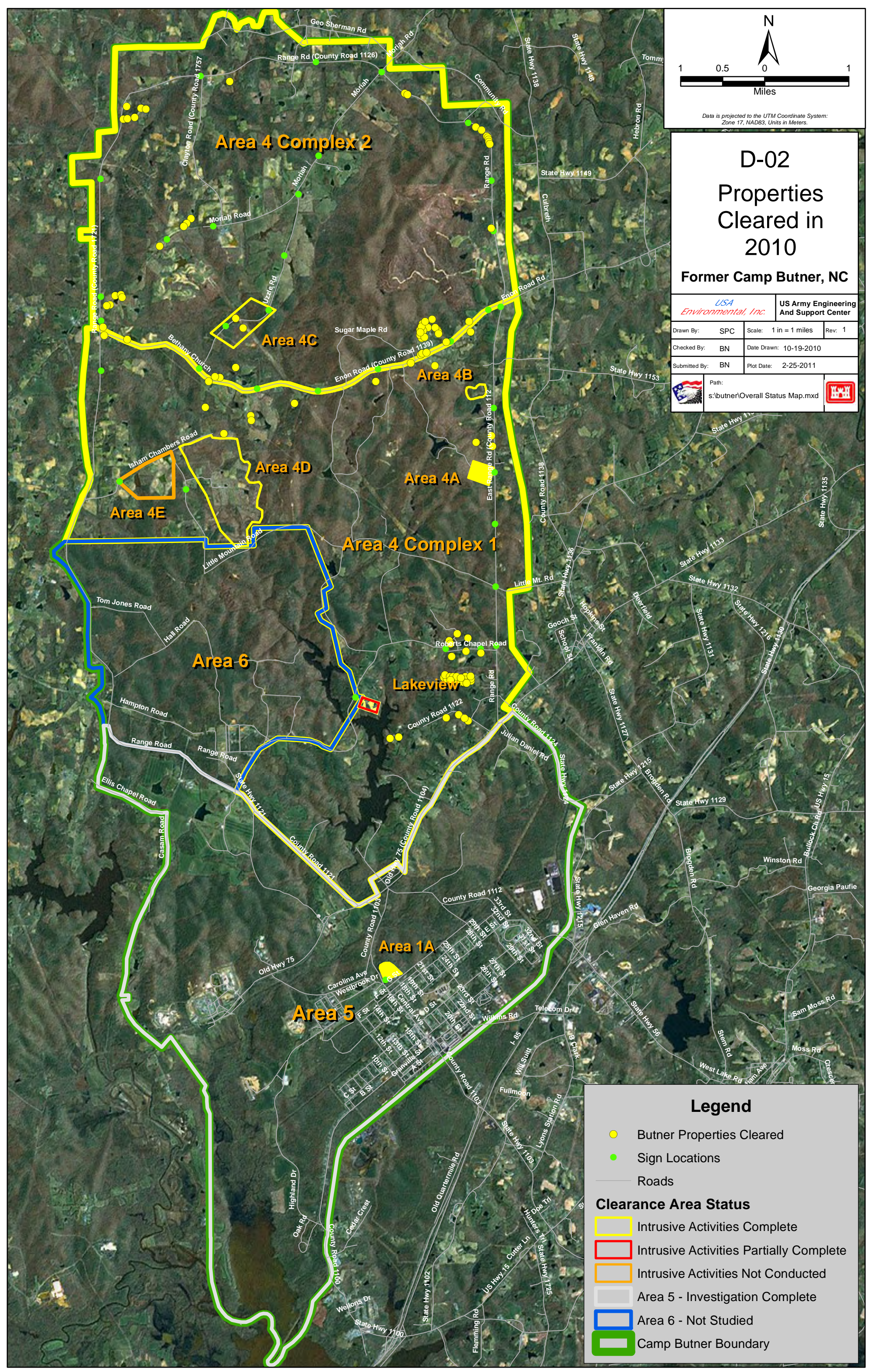


Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

# D-02 Properties Cleared in 2010

## Former Camp Butner, NC

USA <i>Environmental, Inc.</i>		US Army Engineering And Support Center	
Drawn By: SPC	Scale: 1 in = 1 miles	Rev: 1	
Checked By: BN	Date Drawn: 10-19-2010		
Submitted By: BN	Plot Date: 2-25-2011		
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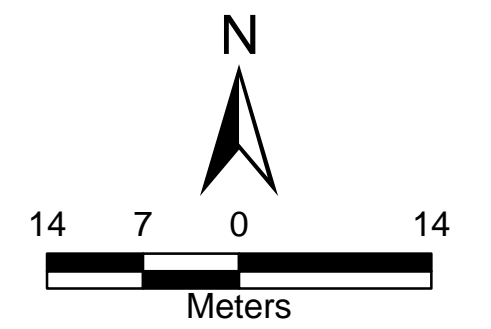
### Legend

- Butner Properties Cleared
- Sign Locations
- Roads

#### Clearance Area Status

- Intrusive Activities Complete
- Intrusive Activities Partially Complete
- Intrusive Activities Not Conducted
- Area 5 - Investigation Complete
- Area 6 - Not Studied
- Camp Butner Boundary





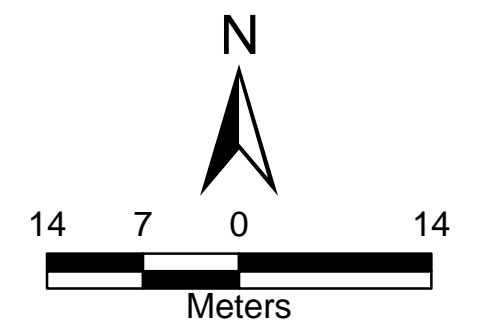
Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

**Figure D-03**  
**Area 4 Clearance**  
**Areas**  
 Unit 10-6  
 Tom Washington Jr.  
 1093 Bourbon Street  
**Former Camp Butner, NC**

**Legend**

- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary






<i>USA</i> <i>Environmental, Inc.</i>		<b>US Army Engineering And Support Center</b>	
Drawn By: SPC	Scale: 1 inch = 14 meters	Rev:	
Checked By:	Date Drawn: 12-14-2010		
Submitted By: RN	Plot Date:		
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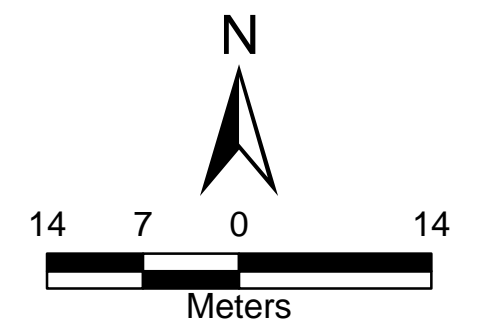
Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

**Figure D-04**  
**Area 4 Clearance**  
**Areas**  
 Unit 10-7  
 Brandon Mikels  
 1091 Bourbon Street  
**Former Camp Butner, NC**

**Legend**

-  Roads
-  Area 4 Houses
-  Area 4 Uncleared Areas
-  Land Parcels
-  Area 4 Boundary






<i>USA Environmental, Inc.</i>		<b>US Army Engineering And Support Center</b>	
Drawn By: SPC	Scale: 1 inch = 14 meters	Rev:	
Checked By:	Date Drawn: 12-14-2010		
Submitted By: RN	Plot Date:		
	Path: c:\projects\butner\ Area 4 Clearance Map.mxd		





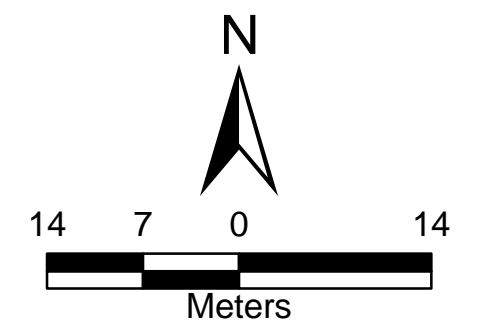
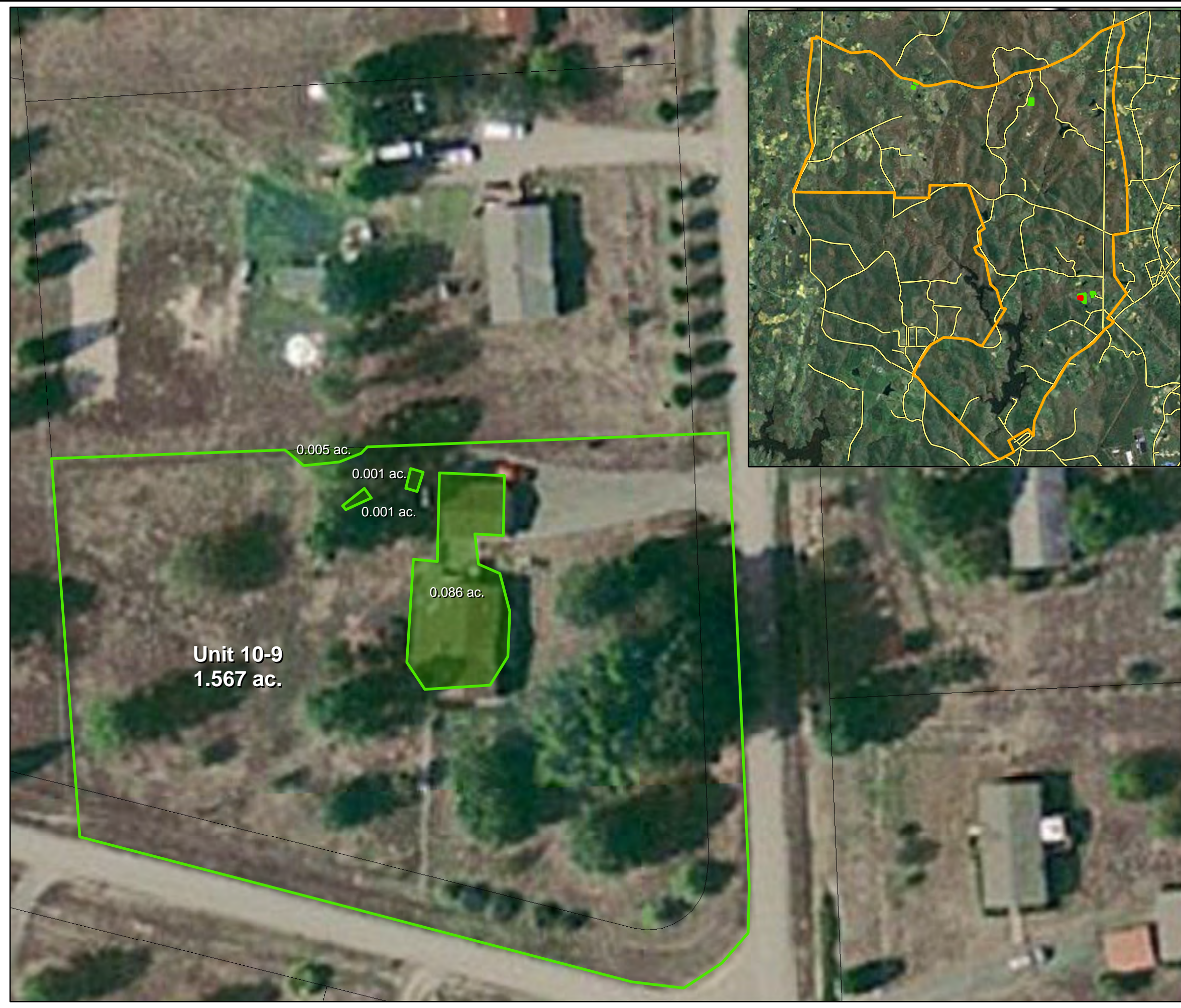
Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

**Figure D-05**  
**Area 4 Clearance**  
**Areas**  
 Unit 10-8  
 Phillip & Valerie Carrigan  
 1089 Bourbon Street  
**Former Camp Butner, NC**

**Legend**

-  Roads
-  Area 4 Houses
-  Area 4 Uncleared Areas
-  Land Parcels
-  Area 4 Boundary






<i>USA</i> <i>Environmental, Inc.</i>		<b>US Army Engineering And Support Center</b>	
Drawn By: SPC	Scale: 1 inch = 14 meters	Rev:	
Checked By:	Date Drawn: 12-14-2010		
Submitted By: RN	Plot Date:		
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Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

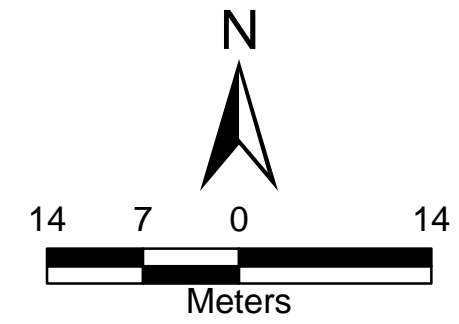
**Figure D-06**  
**Area 4 Clearance**  
**Areas**  
 Unit 10-9  
 Teresa Cope  
 1090 Bourbon Street  
**Former Camp Butner, NC**

**Legend**

-  Roads
-  Area 4 Houses
-  Area 4 Uncleared Areas
-  Land Parcels
-  Area 4 Boundary

<i>USA Environmental, Inc.</i>		<b>US Army Engineering And Support Center</b>	
Drawn By: SPC	Scale: 1 inch = 14 meters	Rev:	
Checked By:	Date Drawn: 12-14-2010		
Submitted By: RN	Plot Date:		
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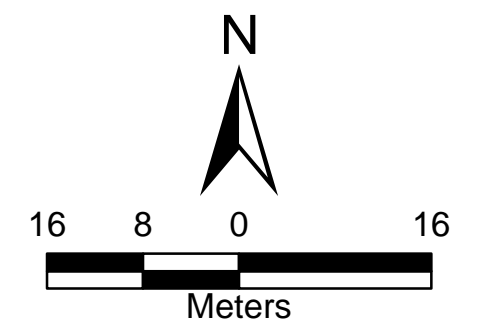
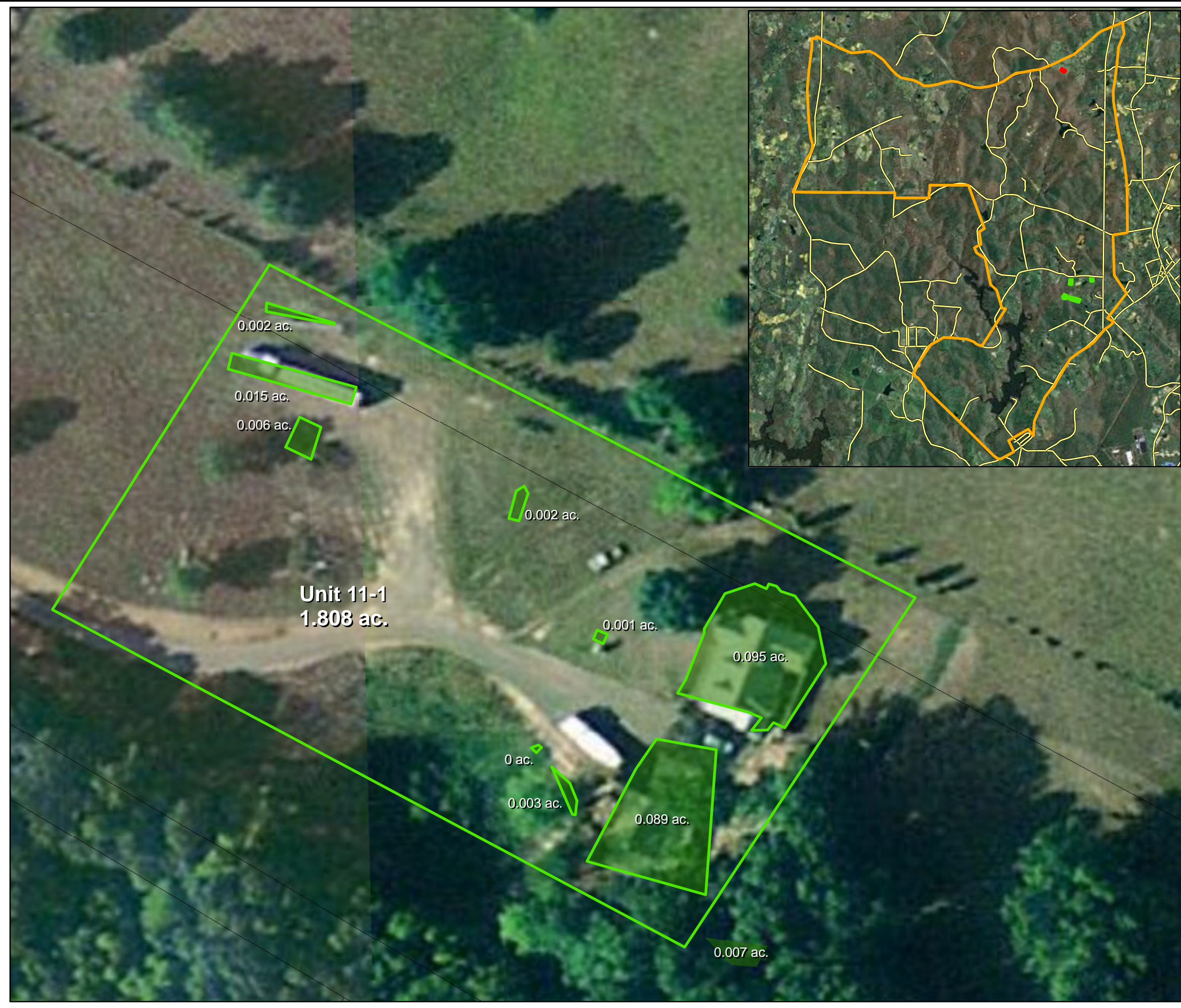
Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

**Figure D-07**  
**Area 4 Clearance**  
**Areas**  
 Unit 10-10  
 Ron Dixon  
 1088 Bourbon Street  
**Former Camp Butner, NC**

**Legend**

-  Roads
-  Area 4 Houses
-  Area 4 Uncleared Areas
-  Land Parcels
-  Area 4 Boundary

<i>USA Environmental, Inc.</i>		<b>US Army Engineering And Support Center</b>	
Drawn By: SPC	Scale: 1 inch = 14 meters	Rev:	
Checked By:	Date Drawn: 12-14-2010		
Submitted By: RN	Plot Date:		
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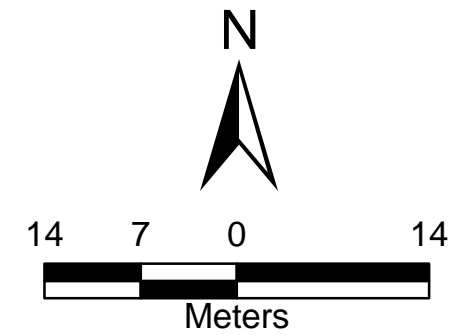
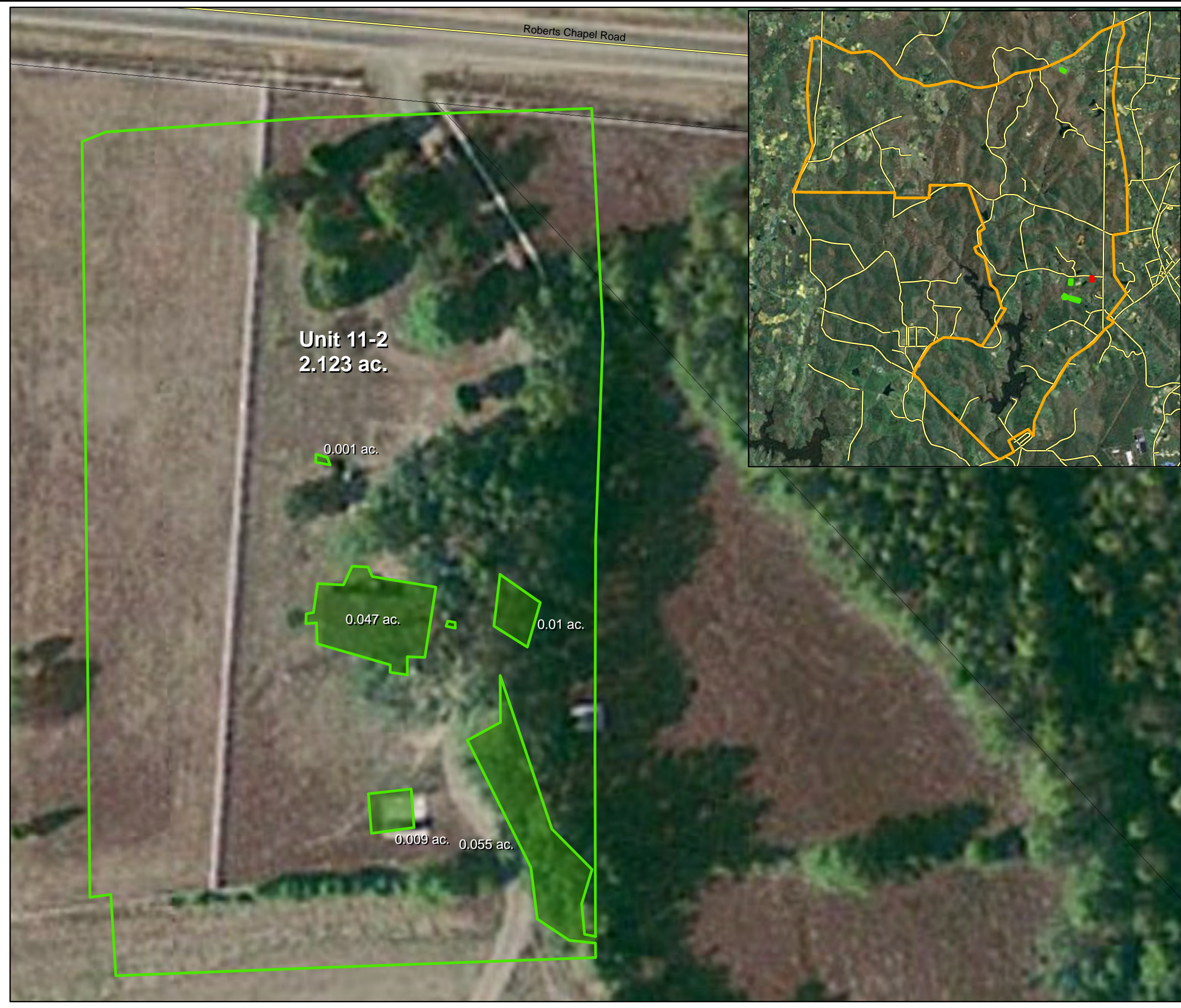
Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

**Figure D-08**  
**Area 4 Clearance**  
**Areas**  
 Unit 11-1  
 Creg & Rose Tunstall  
 1044 Enon Rd.  
**Former Camp Butner, NC**

**Legend**

- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary






		<b>US Army Engineering And Support Center</b>	
Drawn By: SPC	Scale: 1 inch = 16 meters	Rev:	
Checked By:	Date Drawn: 12-15-2010		
Submitted By: RN	Plot Date:		
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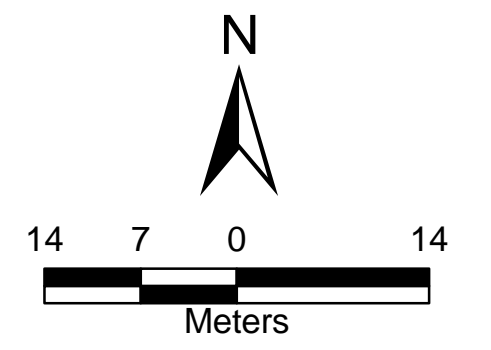
Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

**Figure D-09**  
**Area 4 Clearance**  
**Areas**  
 Unit 11-2  
 Alan Schmidt  
 1114 Robert Chapel Rd.  
**Former Camp Butner, NC**

**Legend**

-  Roads
-  Area 4 Houses
-  Area 4 Uncleared Areas
-  Land Parcels
-  Area 4 Boundary






<i>USA</i> <i>Environmental, Inc.</i>		<b>US Army Engineering And Support Center</b>	
Drawn By: <b>SPC</b>	Scale: 1 inch = 14 meters	Rev:	
Checked By:	Date Drawn: 12-16-2010		
Submitted By: <b>RN</b>	Plot Date:		
	Path: c:\projects\butner\ Area 4 Clearance Map.mxd		



Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

**Figure D-10**  
**Area 4 Clearance**  
**Areas**  
 Unit 11-3  
 Mike Arrington  
 1086 Robert Chapel Rd.  
**Former Camp Butner, NC**



**Legend**

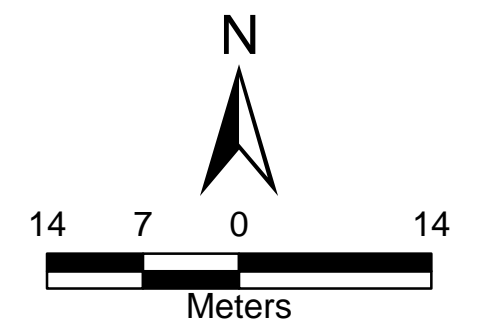
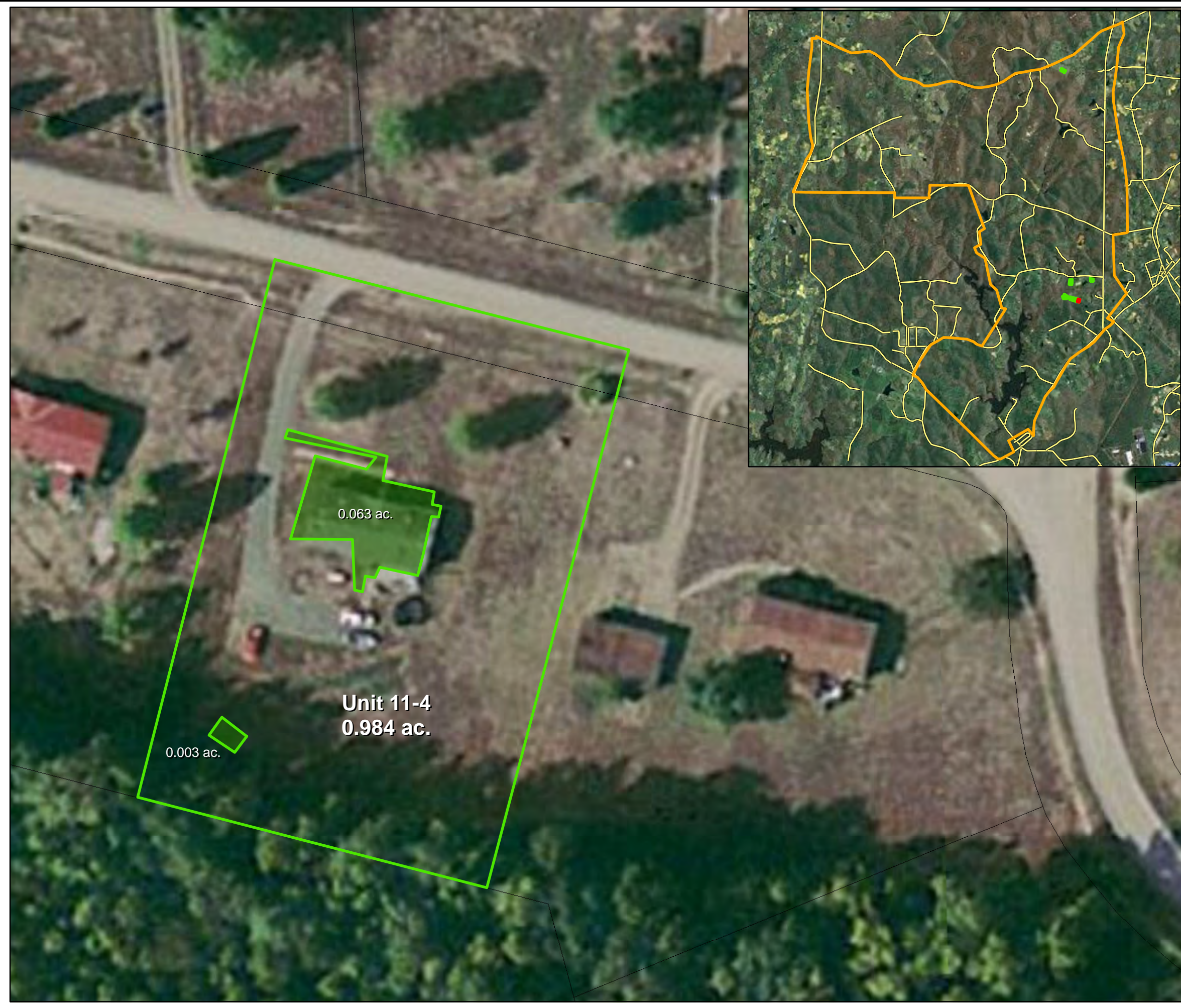
-  Roads
-  Area 4 Houses
-  Area 4 Uncleared Areas
-  Land Parcels
-  Area 4 Boundary

*USA Environmental, Inc.*      **US Army Engineering And Support Center**

Drawn By: <b>SPC</b>	Scale: 1 inch = 14 meters	Rev:
Checked By:	Date Drawn: 12-15-2010	
Submitted By: <b>RN</b>	Plot Date:	

Path: c:\projects\butner\Area 4 Clearance Map.mxd











Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

**Figure D-11**  
**Area 4 Clearance**  
**Areas**  
 Unit 11-4  
 Juan Marin-Quintero  
 1082 Wildlife Dr.  
**Former Camp Butner, NC**



**Legend**

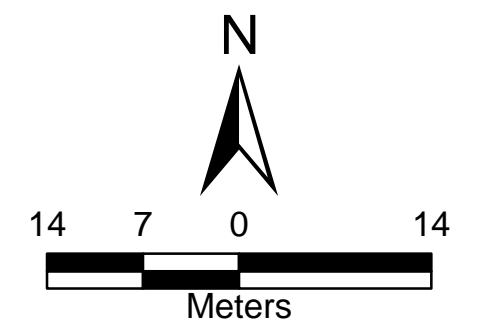
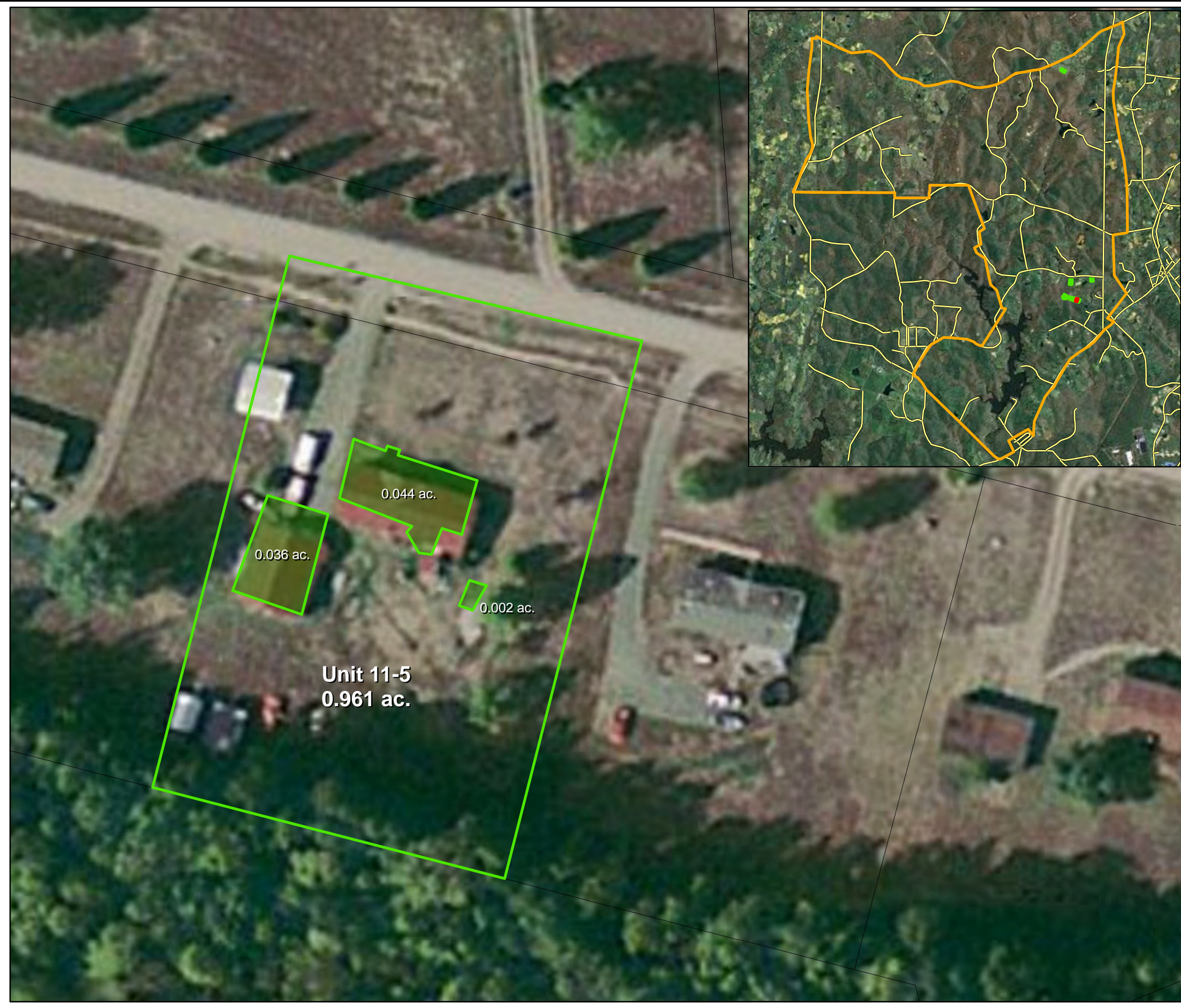
-  Roads
-  Area 4 Houses
-  Area 4 Uncleared Areas
-  Land Parcels
-  Area 4 Boundary

*USA Environmental, Inc.*      **US Army Engineering And Support Center**

Drawn By: SPC	Scale: 1 inch = 14 meters	Rev:
Checked By:	Date Drawn: 12-15-2010	
Submitted By: RN	Plot Date:	

Path: c:\projects\butner\Area 4 Clearance Map.mxd











Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

**Figure D-12**  
**Area 4 Clearance**  
**Areas**  
 Unit 11-5  
 Roger Gibson  
 1078 Wildlife Dr.  
**Former Camp Butner, NC**



**Legend**

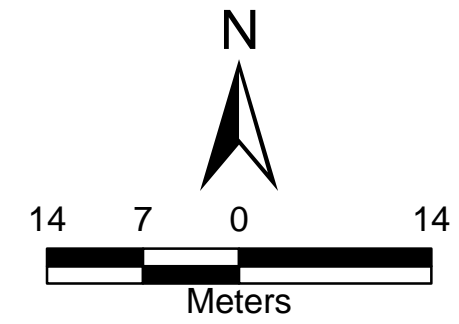
-  Roads
-  Area 4 Houses
-  Area 4 Uncleared Areas
-  Land Parcels
-  Area 4 Boundary

*USA Environmental, Inc.*      **US Army Engineering And Support Center**

Drawn By: SPC	Scale: 1 inch = 14 meters	Rev:
Checked By:	Date Drawn: 12-15-2010	
Submitted By: RN	Plot Date:	

Path: c:\projects\butner\Area 4 Clearance Map.mxd



Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

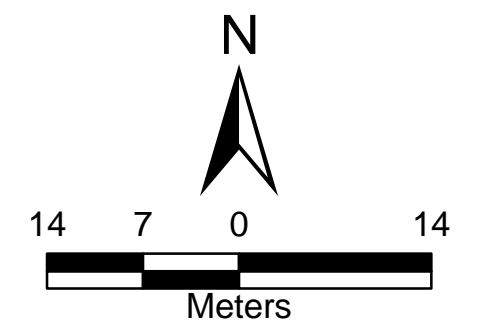
**Figure D-13**  
**Area 4 Clearance**  
**Areas**  
 Unit 11-6  
 Michael & Cheryl Brelinsky  
 1074 Wildlife Dr.  
**Former Camp Butner, NC**

Legend	
	Roads
	Area 4 Houses
	Area 4 Uncleared Areas
	Land Parcels
	Area 4 Boundary

*USA Environmental, Inc.*      **US Army Engineering And Support Center**

Drawn By: SPC	Scale: 1 inch = 14 meters	Rev:
Checked By:	Date Drawn: 12-20-2010	
Submitted By: RN	Plot Date:	






	Path: c:\projects\butner\ Area 4 Clearance Map.mxd	
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Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

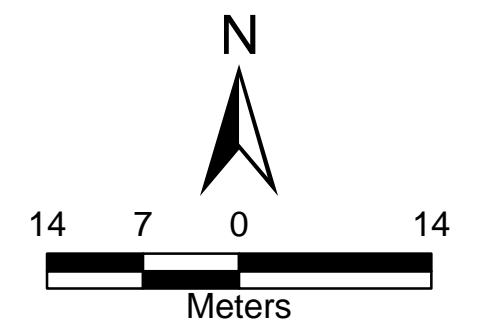
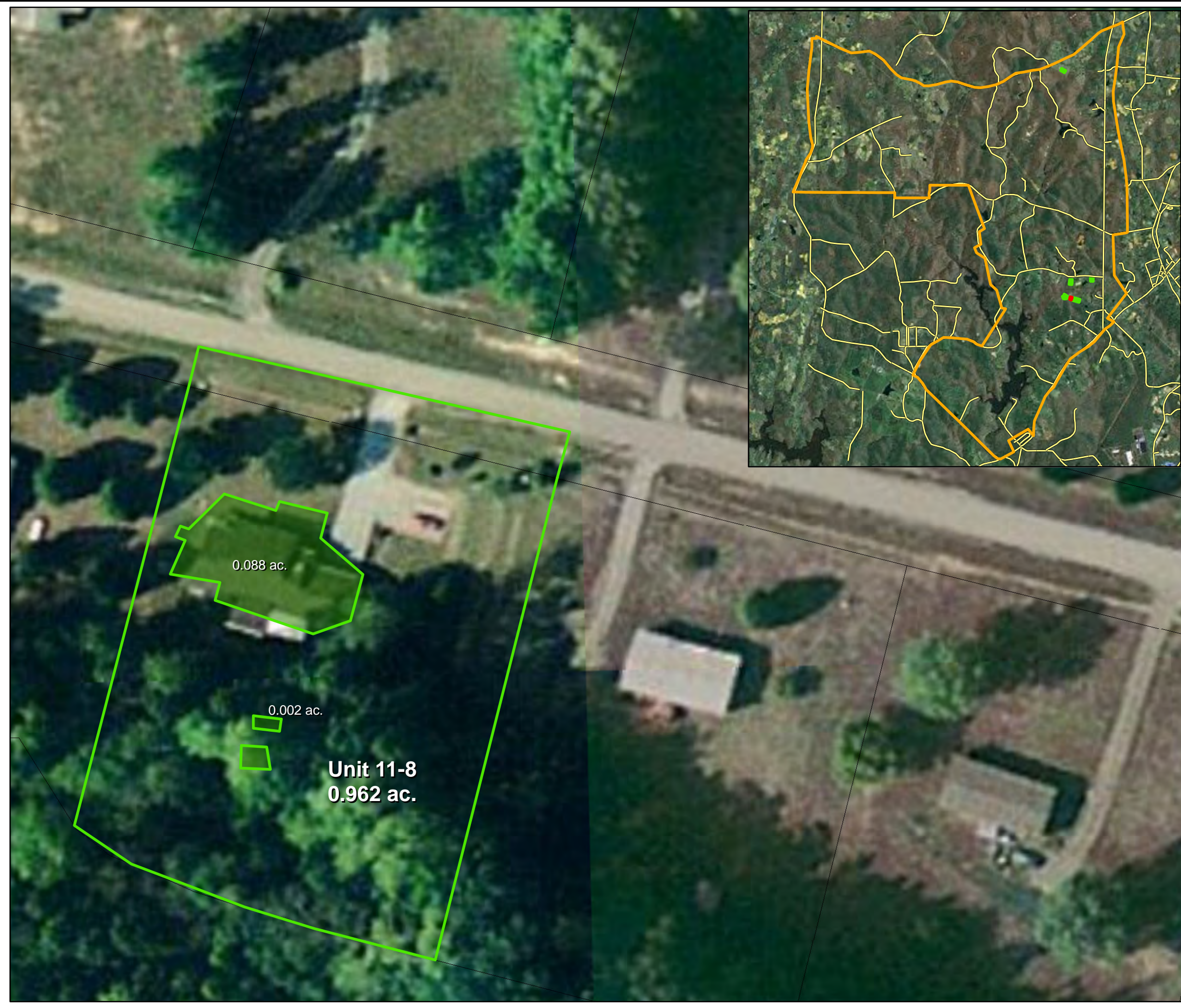
**Figure D-14**  
**Area 4 Clearance**  
**Areas**  
 Unit 11-7  
 George Waldron  
 1072 Wildlife Dr.  
**Former Camp Butner, NC**

**Legend**

-  Roads
-  Area 4 Houses
-  Area 4 Uncleared Areas
-  Land Parcels
-  Area 4 Boundary

		<b>US Army Engineering And Support Center</b>	
Drawn By: SPC	Scale: 1 inch = 14 meters	Rev:	
Checked By:	Date Drawn: 12-20-2010		
Submitted By: RN	Plot Date:		
	Path: c:\projects\butner\Area 4 Clearance Map.mxd		












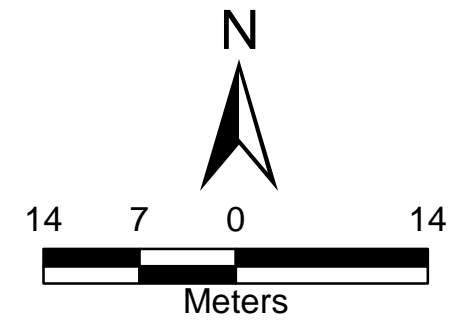
Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

**Figure D-15**  
**Area 4 Clearance**  
**Areas**  
 Unit 11-8  
 Joseph Waters  
 1068 Wildlife Dr.  
**Former Camp Butner, NC**

**Legend**

-  Roads
-  Area 4 Houses
-  Area 4 Uncleared Areas
-  Land Parcels
-  Area 4 Boundary






<i>USA Environmental, Inc.</i>		<b>US Army Engineering And Support Center</b>	
Drawn By: SPC	Scale: 1 inch = 14 meters	Rev:	
Checked By:	Date Drawn: 12-20-2010		
Submitted By: RN	Plot Date:		
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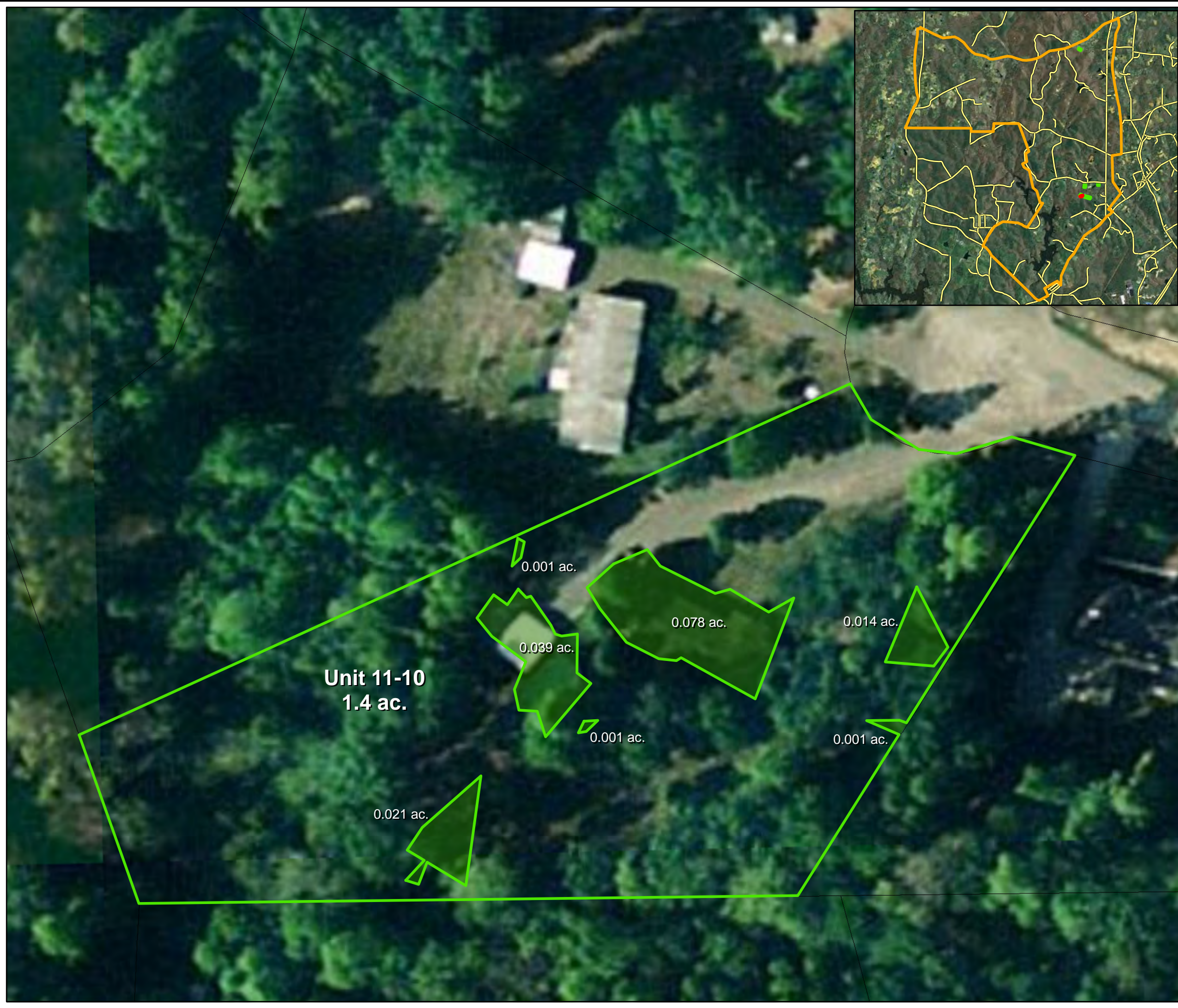
Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

**Figure D-16**  
**Area 4 Clearance**  
**Areas**  
 Unit 11-9  
 Donna Beckwith  
 1058 Wildlife Dr.  
**Former Camp Butner, NC**

**Legend**

-  Roads
-  Area 4 Houses
-  Area 4 Uncleared Areas
-  Land Parcels
-  Area 4 Boundary

<i>USA</i> <i>Environmental, Inc.</i>		<b>US Army Engineering And Support Center</b>	
Drawn By: SPC	Scale: 1 inch = 14 meters	Rev:	
Checked By:	Date Drawn: 12-20-2010		
Submitted By: RN	Plot Date:		
	Path: c:\projects\butner\ Area 4 Clearance Map.mxd		



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Meters

Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

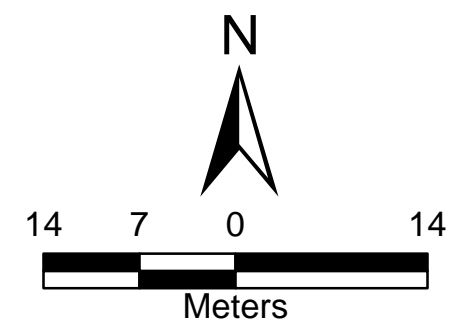
**Figure D-17**  
**Area 4 Clearance**  
**Areas**  
 Unit 11-10  
 Bobby & Sallie Boone  
 1062 Wildlife Dr.  
**Former Camp Butner, NC**

**Legend**

- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

<i>USA</i> <i>Environmental, Inc.</i>		<b>US Army Engineering And Support Center</b>	
Drawn By: SPC	Scale: 1 inch = 14 meters	Rev:	
Checked By:	Date Drawn: 12-20-2010		
Submitted By: RN	Plot Date:		

	Path: c:\projects\butner\ Area 4 Clearance Map.mxd	
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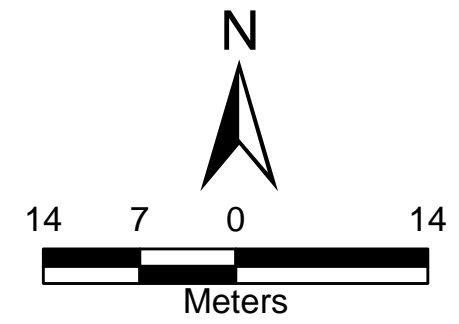
Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

**Figure D-18**  
**Area 4 Clearance**  
**Areas**  
 Unit 12-1  
 Robbie Christopher Watkins  
 1065 Wildlife Dr.  
**Former Camp Butner, NC**

**Legend**

- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary






<i>USA</i> <i>Environmental, Inc.</i>		<b>US Army Engineering And Support Center</b>	
Drawn By: SPC	Scale: 1 inch = 14 meters	Rev: 1	
Checked By:	Date Drawn: 12/16/2010		
Submitted By: RN	Plot Date: 2/25/2011		
	Path: c:\projects\butner\ Area 4 Clearance Map.mxd		





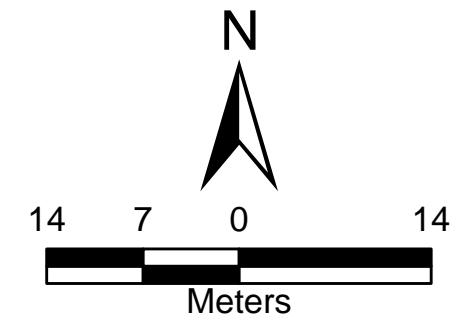
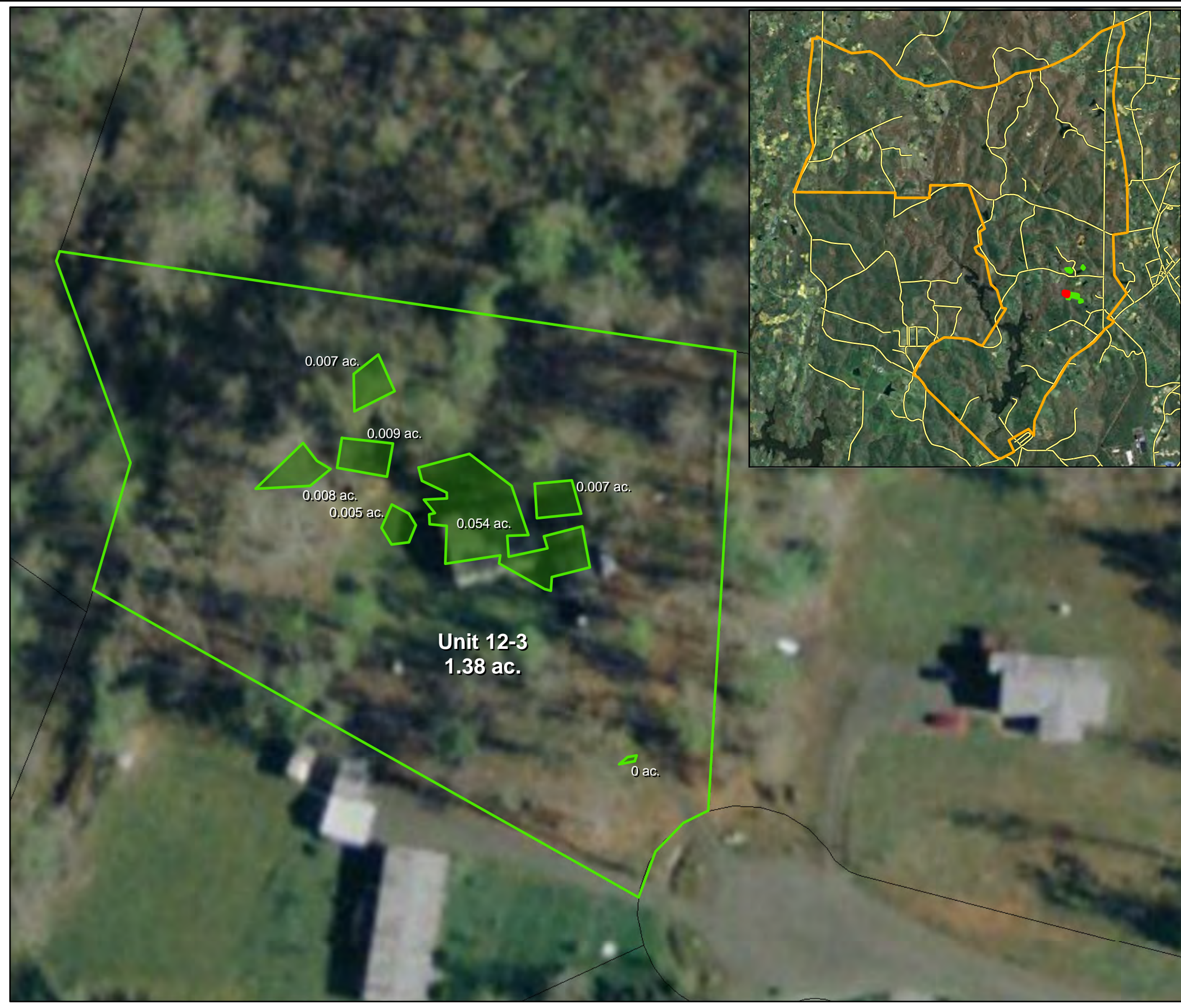
Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

**Figure D-19**  
**Area 4 Clearance**  
**Areas**  
 Unit 12-2  
 Johnny & Penny Ray  
 1067 Wildlife Dr.  
**Former Camp Butner, NC**

**Legend**

-  Roads
-  Area 4 Houses
-  Area 4 Uncleared Areas
-  Land Parcels
-  Area 4 Boundary






<i>USA</i> <i>Environmental, Inc.</i>		<b>US Army Engineering And Support Center</b>	
Drawn By: JAL	Scale: 1 inch = 14 meters	Rev:	
Checked By:	Date Drawn:		
Submitted By:	Plot Date:		
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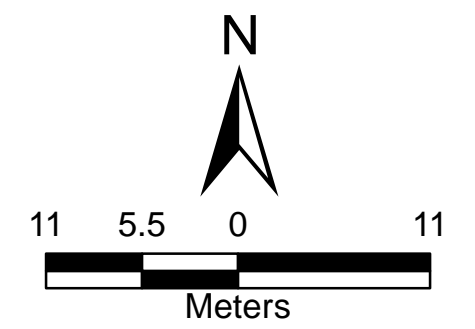
Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

**Figure D-20**  
**Area 4 Clearance**  
**Areas**  
 Unit 12-3  
 Teresa Hendon  
 1061 Wildlife Dr.  
**Former Camp Butner, NC**

**Legend**

-  Roads
-  Area 4 Houses
-  Area 4 Uncleared Areas
-  Land Parcels
-  Area 4 Boundary

<i>USA Environmental, Inc.</i>		<b>US Army Engineering And Support Center</b>	
Drawn By: JAL	Scale: 1 inch = 14 meters	Rev:	
Checked By:	Date Drawn: 12/16/2010		
Submitted By: RN	Plot Date:		
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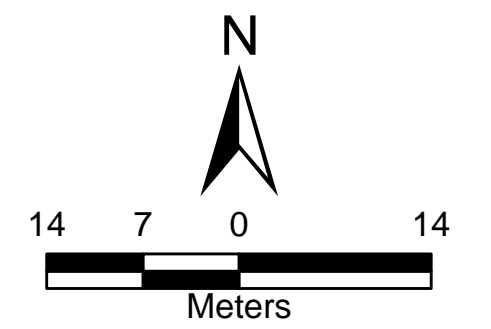
Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

**Figure D-21**  
**Area 4 Clearance**  
**Areas**  
 Unit 12-4  
 Stewart & Joanne  
 McFarland  
 1071 Wildlife Dr.  
**Former Camp Butner, NC**

**Legend**

- MEC Items
- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary






<i>USA Environmental, Inc.</i>		<b>US Army Engineering And Support Center</b>	
Drawn By: SPC	Scale: 1 inch = 11 meters	Rev: 1	
Checked By:	Date Drawn: 12/16/2010		
Submitted By: RN	Plot Date: 2/25/2011		
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Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

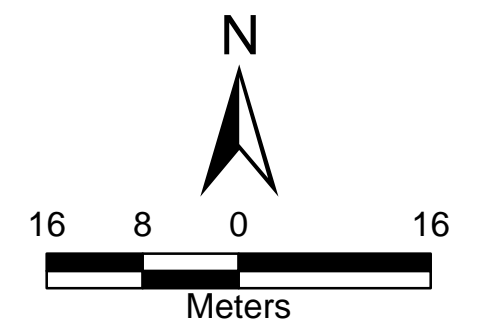
**Figure D-22**  
**Area 4 Clearance**  
**Areas**  
 Unit 12-5  
 Chris Barrett  
 1086 Wildlife Dr.  
**Former Camp Butner, NC**

**Legend**

-  Roads
-  Area 4 Houses
-  Area 4 Uncleared Areas
-  Land Parcels
-  Area 4 Boundary

		<b>US Army Engineering And Support Center</b>
Drawn By: JAL	Scale: 1 inch = 14 meters	Rev:
Checked By:	Date Drawn: 12/16/2010	
Submitted By: RN	Plot Date:	
	Path: c:\projects\butner\ Area 4 Clearance Map.mxd	










Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.



**Figure D-23**  
**Area 4 Clearance**  
**Areas**

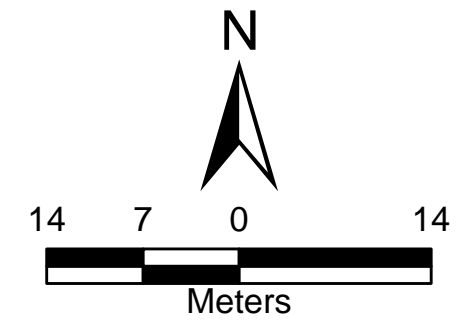
Unit 12-6  
 Belinda Elmore  
 1077 Wildlife Dr.  
**Former Camp Butner, NC**

**Legend**

-  Roads
-  Area 4 Houses
-  Area 4 Uncleared Areas
-  Land Parcels
-  Area 4 Boundary

<i>USA Environmental, Inc.</i>		<b>US Army Engineering And Support Center</b>	
Drawn By: SPC	Scale: 1 inch = 16 meters	Rev: 1	
Checked By:	Date Drawn: 12/16/2010		
Submitted By: RN	Plot Date: 2/25/2011		






	Path: c:\projects\butner\ Area 4 Clearance Map.mxd	
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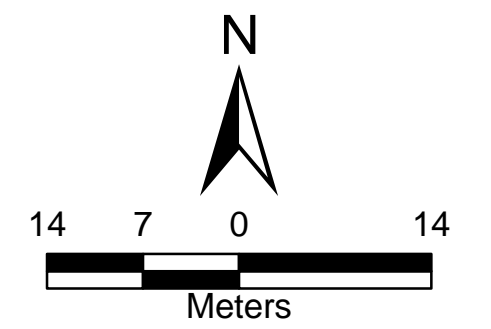
Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

**Figure D-24**  
**Area 4 Clearance**  
**Areas**  
 Unit 12-7  
 Mike & Trish Watkins  
 1064 Wildlife Dr.  
**Former Camp Butner, NC**

**Legend**

-  Roads
-  Area 4 Houses
-  Area 4 Uncleared Areas
-  Land Parcels
-  Area 4 Boundary






<i>USA</i> <i>Environmental, Inc.</i>		<b>US Army Engineering And Support Center</b>	
Drawn By: JAL	Scale: 1 inch = 14 meters	Rev:	
Checked By:	Date Drawn: 12/16/2010		
Submitted By: RN	Plot Date:		
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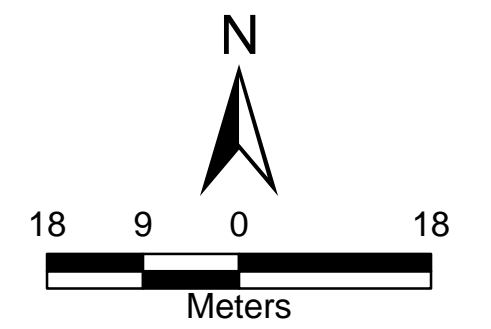
Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

**Figure D-25**  
**Area 4 Clearance**  
**Areas**  
 Unit 12-8  
 Billy & Pamela Hansley  
 1081 Wild Briar Ln.  
**Former Camp Butner, NC**

**Legend**

-  Roads
-  Area 4 Houses
-  Area 4 Uncleared Areas
-  Land Parcels
-  Area 4 Boundary






<i>USA</i> <i>Environmental, Inc.</i>		<b>US Army Engineering And Support Center</b>	
Drawn By: SPC	Scale: 1 inch = 14 meters	Rev:	
Checked By:	Date Drawn: 12-20-2010		
Submitted By: RN	Plot Date:		
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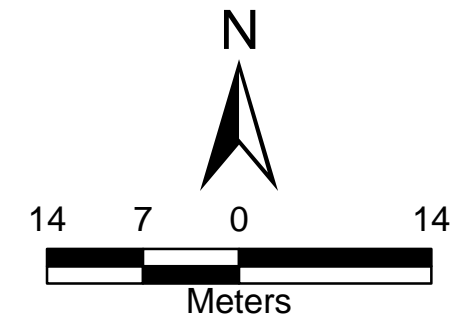
Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

**Figure D-26**  
**Area 4 Clearance**  
**Areas**  
 Unit 12-9  
 Jeffery & Pamela Gillis  
 1080 Wild Briar Ln.  
**Former Camp Butner, NC**

**Legend**

-  Roads
-  Area 4 Houses
-  Area 4 Uncleared Areas
-  Land Parcels
-  Area 4 Boundary






<i>USA</i> <i>Environmental, Inc.</i>		<b>US Army Engineering And Support Center</b>	
Drawn By: SPC	Scale: 1 inch = 18 meters	Rev:	
Checked By:	Date Drawn: 12-20-2010		
Submitted By: RN	Plot Date:		
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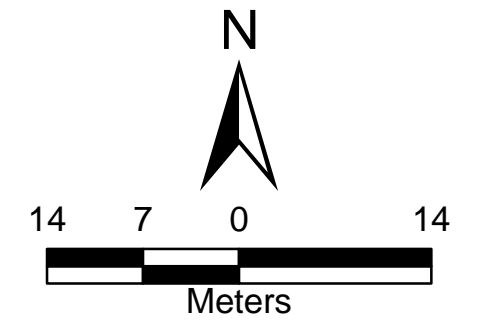
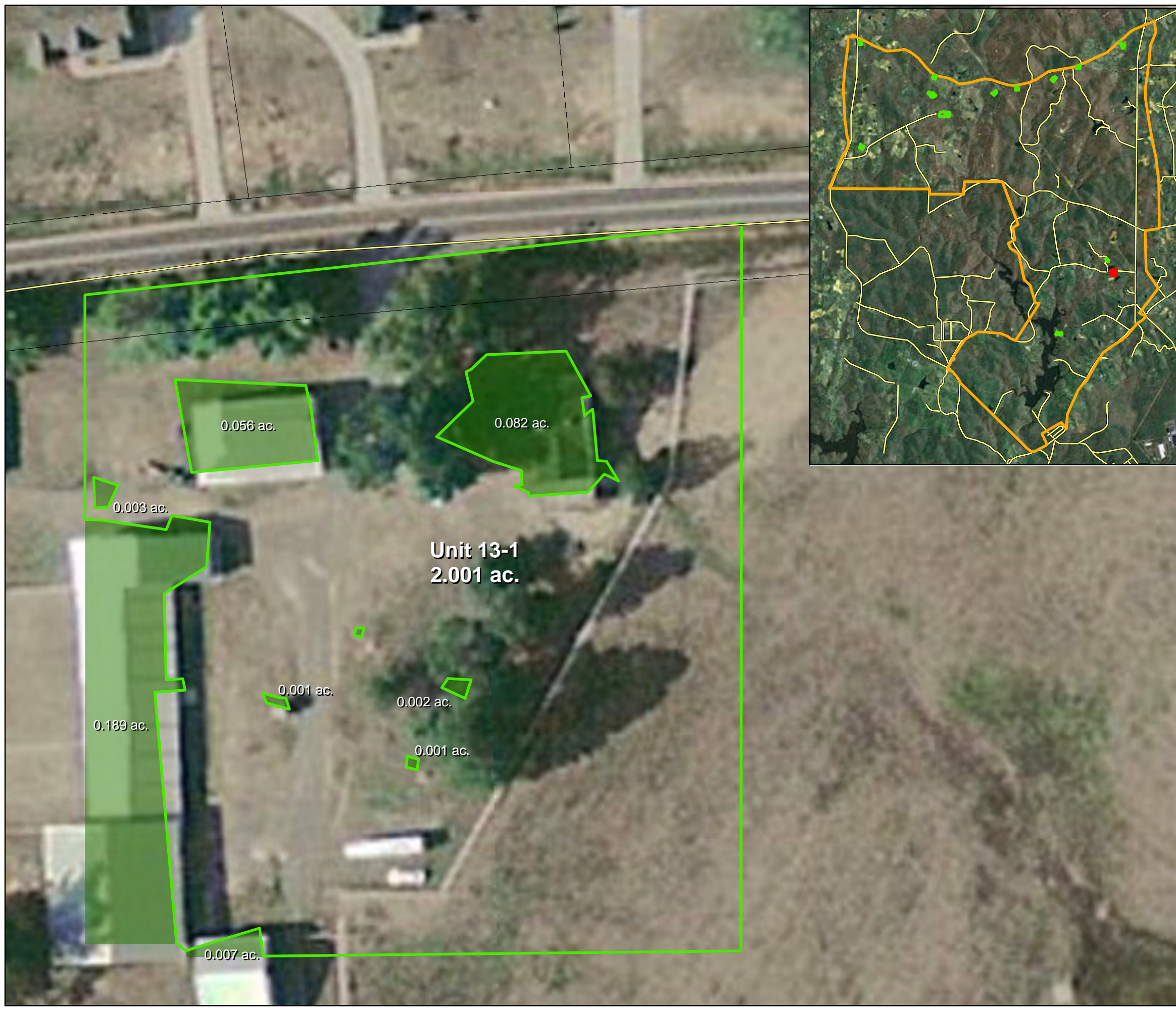
Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

**Figure D-27**  
**Area 4 Clearance**  
**Areas**  
 Unit 12-10  
 Randy & Linda Overby  
 3542 Saddle Ridge Rd.  
**Former Camp Butner, NC**

**Legend**

-  Roads
-  Area 4 Houses
-  Area 4 Uncleared Areas
-  Land Parcels
-  Area 4 Boundary






		<b>US Army Engineering And Support Center</b>	
Drawn By: SPC	Scale: 1 inch = 14 meters	Rev:	
Checked By:	Date Drawn: 12-20-2010		
Submitted By: RN	Plot Date:		
	Path: c:\projects\butner\Area 4 Clearance Map.mxd		





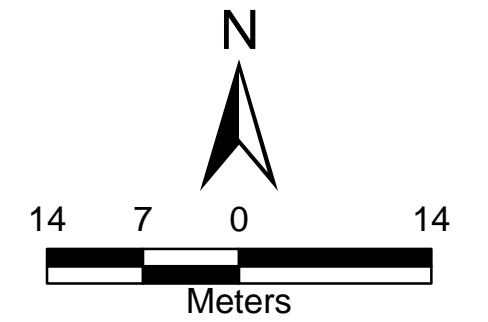
Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

**Figure D-28**  
**Area 4 Clearance**  
**Areas**  
 Unit 13-1  
 Alan Schmidt  
 1094 Roberts Chapel Rd.  
**Former Camp Butner, NC**

**Legend**

-  Roads
-  Area 4 Houses
-  Area 4 Uncleared Areas
-  Land Parcels
-  Area 4 Boundary






<i>USA Environmental, Inc.</i>		<b>US Army Engineering And Support Center</b>	
Drawn By: SPC	Scale: 1 inch = 14 meters	Rev:	
Checked By:	Date Drawn: 1-07-2011		
Submitted By: RN	Plot Date:		
	Path: c:\projects\butner\Area 4 Clearance Map.mxd		



Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

**Figure D-29**  
**Area 4 Clearance**  
**Areas**  
 Unit 13-2  
 Stacy Seaford  
 176 Enon Rd.  
**Former Camp Butner, NC**



**Legend**

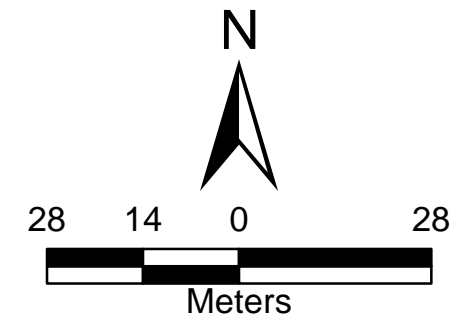
-  Roads
-  Area 4 Houses
-  Area 4 Uncleared Areas
-  Land Parcels
-  Area 4 Boundary

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Drawn By: SPC	Scale: 1 inch = 14 meters	Rev:
Checked By:	Date Drawn: 1-07-2011	
Submitted By: RN	Plot Date:	

Path: c:\projects\butner\Area 4 Clearance Map.mxd












Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

**Figure D-30**  
**Area 4 Clearance**  
**Areas**  
 Unit 13-3  
 Julia Dearborn  
 4109 Blue Mountain Rd.  
**Former Camp Butner, NC**



**Legend**

-  MEC Items
-  Roads
-  Area 4 Houses
-  Area 4 Uncleared Areas
-  Land Parcels
-  Area 4 Boundary

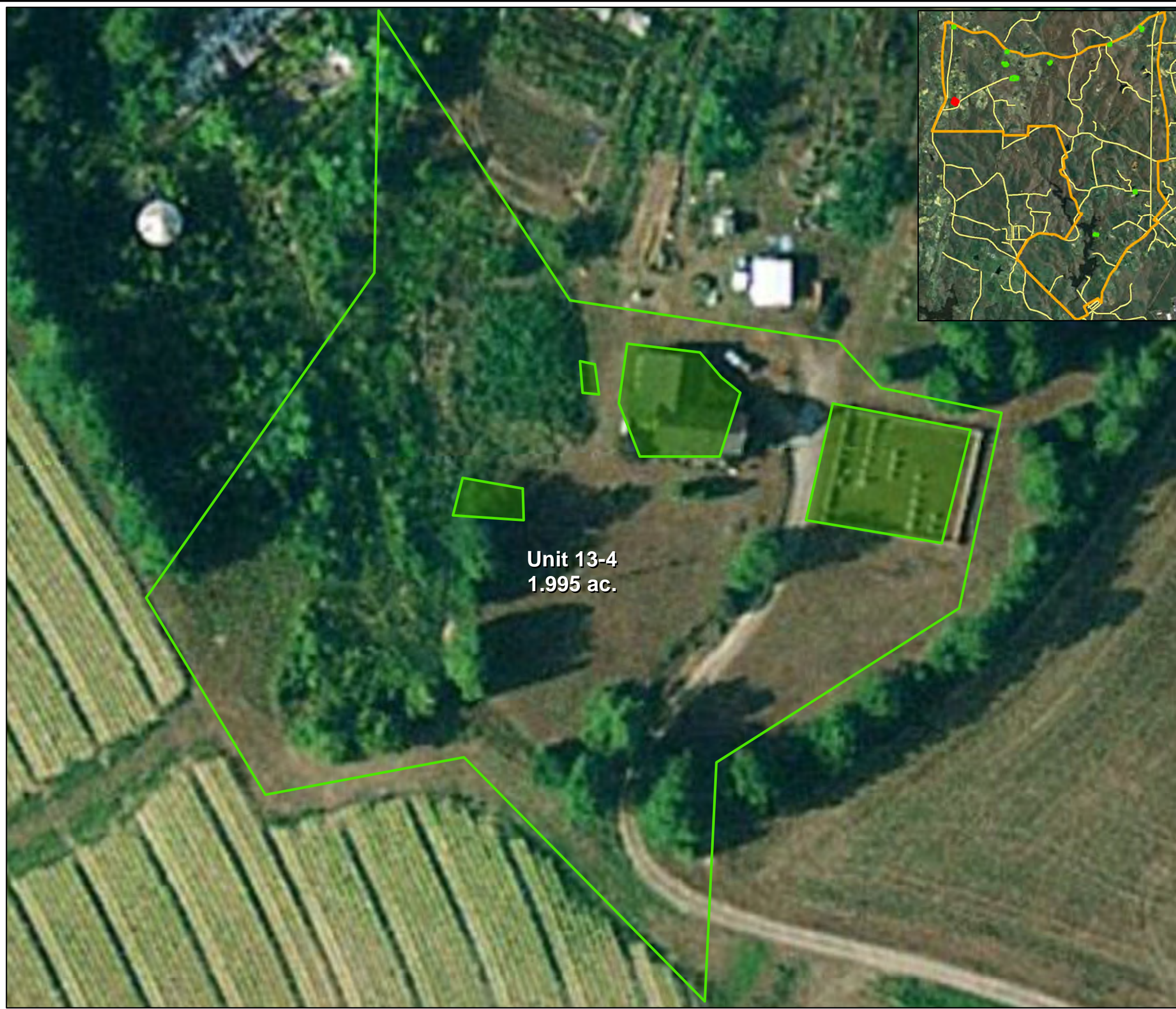
*USA Environmental, Inc.* **US Army Engineering And Support Center**

Drawn By: SPC	Scale: 1 inch = 28 meters	Rev:
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Submitted By: RN	Plot Date:	

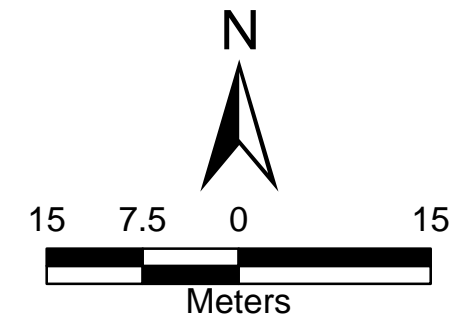
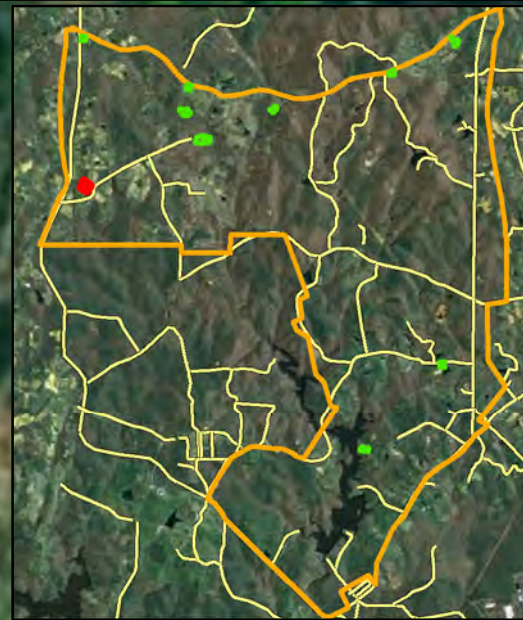
Path: c:\projects\butner\Area 4 Clearance Map.mxd










Unit 13-4  
1.995 ac.





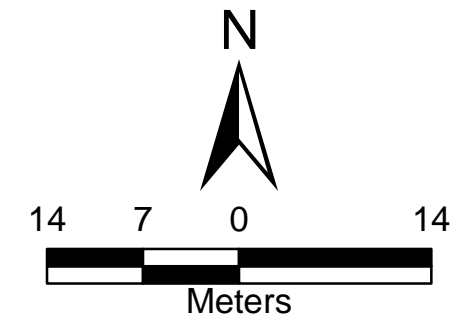
Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

**Figure D-31**  
**Area 4 Clearance**  
**Areas**  
**Unit 13-4**  
**Charles Hester**  
5315 Isham Chambers Rd.  
**Former Camp Butner, NC**

**Legend**

-  Roads
-  Area 4 Houses
-  Area 4 Uncleared Areas
-  Land Parcels
-  Area 4 Boundary

<i>USA</i> <i>Environmental, Inc.</i>		<b>US Army Engineering And Support Center</b>	
Drawn By: SPC	Scale: 1 inch = 15 meters	Rev: 1	
Checked By:	Date Drawn: 1-10-2011		
Submitted By: RN	Plot Date: 2-25-2011		
	Path: c:\projects\butner\ Area 4 Clearance Map.mxd		



Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

**Figure D-32**  
**Area 4 Clearance**  
**Areas**  
 Unit 13-5  
 Lonnie & Chris Glover  
 1026 Enon Rd.  
**Former Camp Butner, NC**

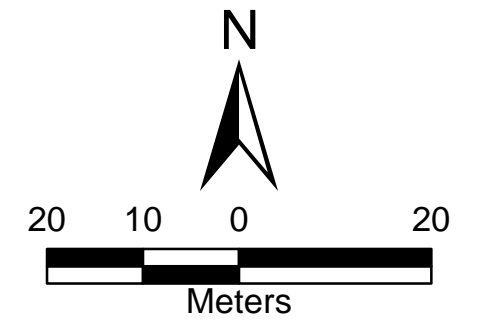
**Legend**

- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

*USA Environmental, Inc.*      **US Army Engineering And Support Center**

Drawn By: SPC	Scale: 1 inch = 14 meters	Rev:
Checked By:	Date Drawn: 1-10-2011	
Submitted By: RN	Plot Date:	






Path: c:\projects\butner\Area 4 Clearance Map.mxd






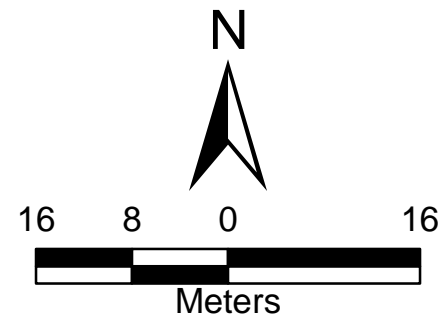
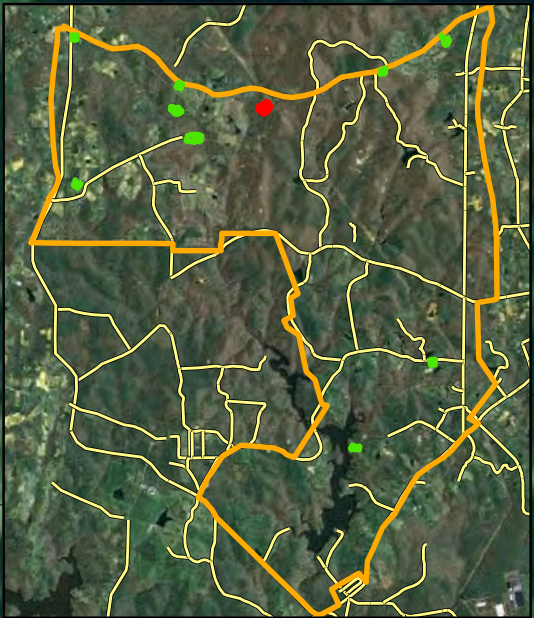
Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

**Figure D-33**  
**Area 4 Clearance**  
**Areas**  
 Unit 13-6  
 Alton Hilton  
 1112 Enon Rd.  
**Former Camp Butner, NC**

**Legend**

-  Roads
-  Area 4 Houses
-  Area 4 Uncleared Areas
-  Land Parcels
-  Area 4 Boundary






		<b>US Army Engineering And Support Center</b>	
Drawn By: SPC	Scale: 1 inch = 20 meters	Rev:	
Checked By:	Date Drawn: 1-10-2011		
Submitted By: RN	Plot Date:		
	Path: c:\projects\butner\Area 4 Clearance Map.mxd		



Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

**Figure D-34**  
**Area 4 Clearance**  
**Areas**  
 Unit 13-7  
 Brad & Kim Scoggins  
 4149 Crown Oaks Dr.  
**Former Camp Butner, NC**



**Legend**

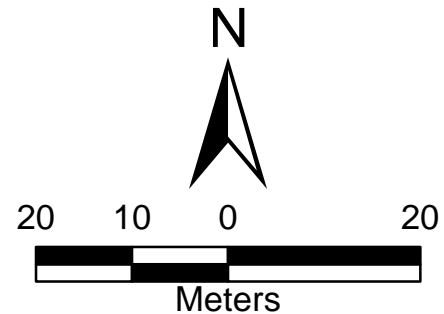
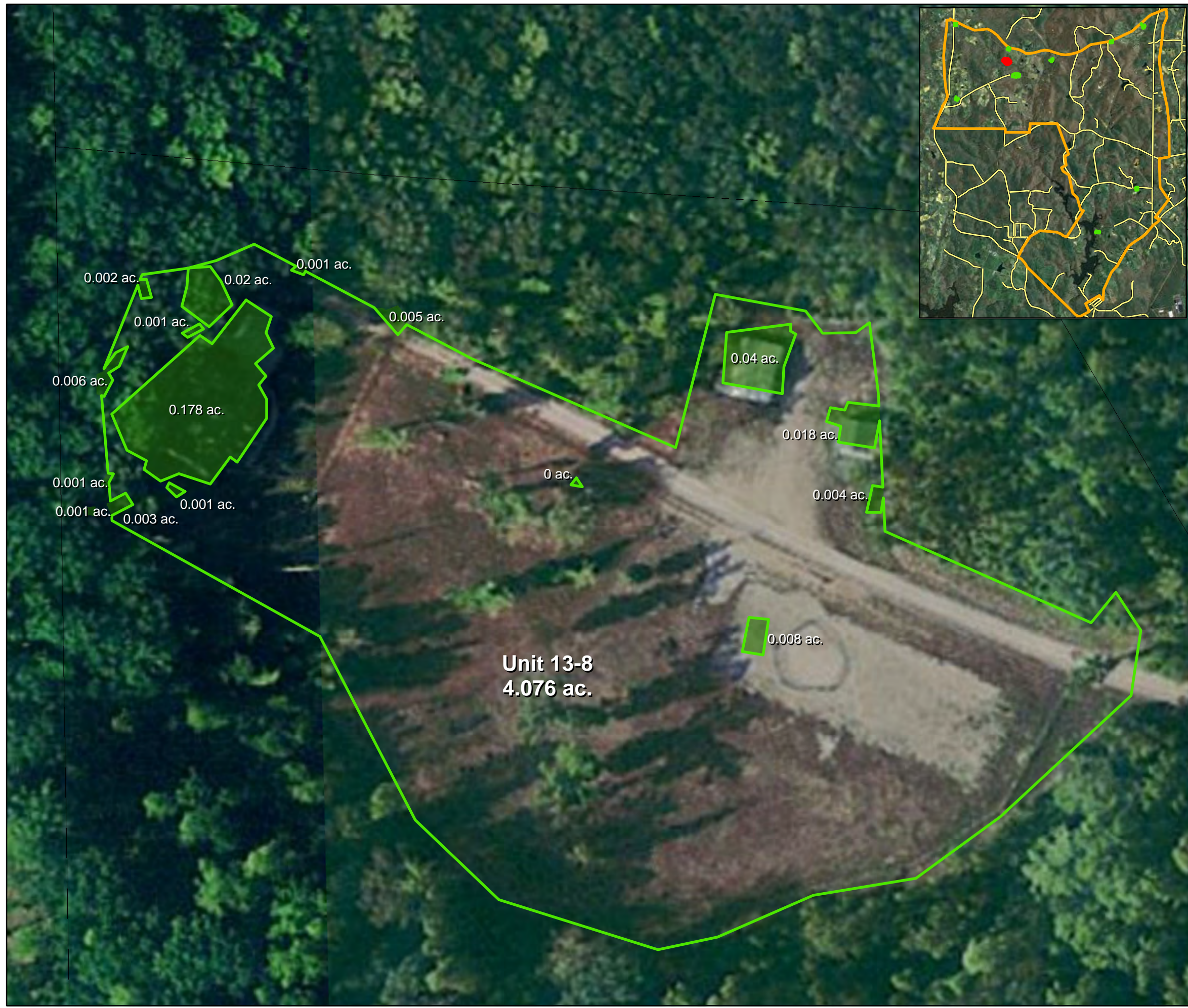
-  Roads
-  Area 4 Houses
-  Area 4 Uncleared Areas
-  Land Parcels
-  Area 4 Boundary

*USA*  
*Environmental, Inc.*      **US Army Engineering  
And Support Center**

Drawn By: SPC	Scale: 1 inch = 16 meters	Rev:
Checked By:	Date Drawn: 1-10-2011	
Submitted By: RN	Plot Date:	

Path:  
c:\projects\butner\  
Area 4 Clearance Map.mxd











Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

**Figure D-35**  
**Area 4 Clearance**  
**Areas**  
 Unit 13-8  
 Steven & Gina Hemig  
 4144 Blue Creek Lane  
**Former Camp Butner, NC**

**Legend**

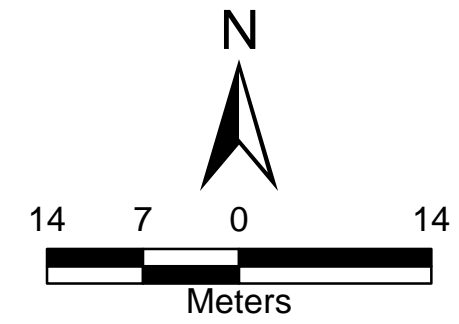
-  Roads
-  Area 4 Houses
-  Area 4 Uncleared Areas
-  Land Parcels
-  Area 4 Boundary

*USA Environmental, Inc.* **US Army Engineering And Support Center**

Drawn By: SPC	Scale: 1 inch = 20 meters	Rev:
Checked By:	Date Drawn: 1-10-2011	
Submitted By: RN	Plot Date:	

Path: c:\projects\butner\Area 4 Clearance Map.mxd













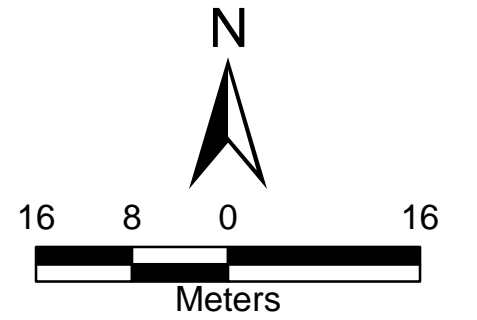
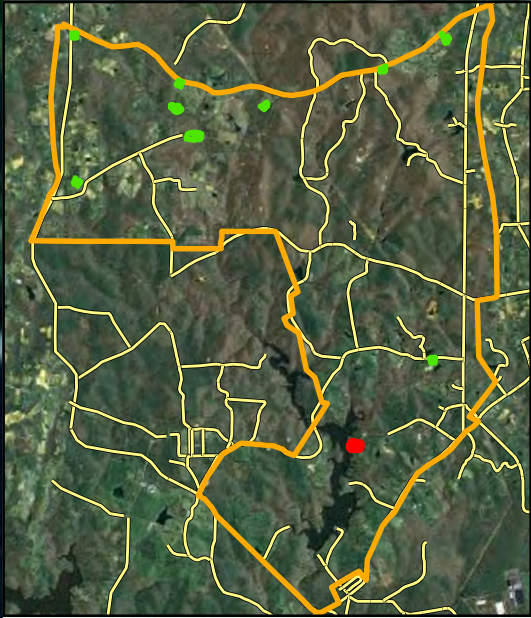
Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

**Figure D-36**  
**Area 4 Clearance**  
**Areas**  
 Unit 13-9  
 Bill Mangum  
 8412 Range Rd.  
**Former Camp Butner, NC**

**Legend**

-  Roads
-  Area 4 Houses
-  Area 4 Uncleared Areas
-  Land Parcels
-  Area 4 Boundary

<i>USA</i> <i>Environmental, Inc.</i>		<b>US Army Engineering And Support Center</b>	
Drawn By: SPC	Scale: 1 inch = 14 meters	Rev:	
Checked By:	Date Drawn: 1-10-2011		
Submitted By: RN	Plot Date:		
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Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

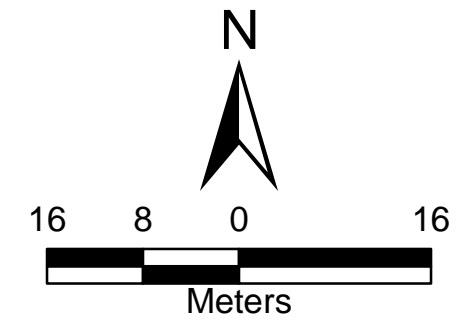
**Figure D-37**  
**Area 4 Clearance**  
**Areas**  
 Unit 13-10  
 Ronald & Pamela Daniels  
 1000 Fate Washington Rd.  
**Former Camp Butner, NC**

Legend	
	Roads
	Area 4 Houses
	Area 4 Uncleared Areas
	Land Parcels
	Area 4 Boundary

*USA Environmental, Inc.* **US Army Engineering And Support Center**

Drawn By: SPC	Scale: 1 inch = 16 meters	Rev:
Checked By:	Date Drawn: 1-10-2011	
Submitted By: RN	Plot Date:	






Path: c:\projects\butner\ Area 4 Clearance Map.mxd





Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

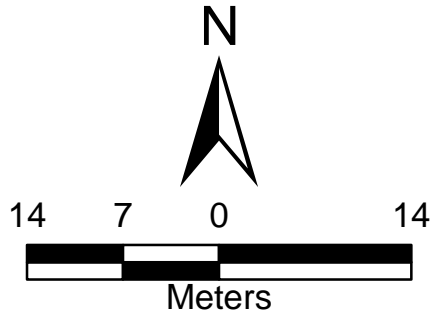
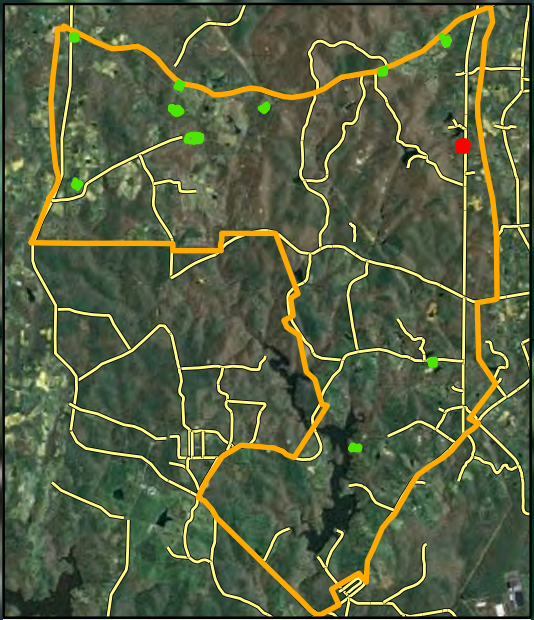
**Figure D-38**  
**Area 4 Clearance**  
**Areas**  
 Unit 14-1  
 James & Susan Bass  
 1119 Bowling Mountain Rd.  
**Former Camp Butner, NC**

**Legend**

-  Roads
-  Area 4 Houses
-  Area 4 Uncleared Areas
-  Land Parcels
-  Area 4 Boundary

<i>USA</i> <i>Environmental, Inc.</i>		<b>US Army Engineering And Support Center</b>	
Drawn By: SPC	Scale: 1 inch = 16 meters	Rev:	
Checked By:	Date Drawn: 1-10-2011		
Submitted By: RN	Plot Date:		
	Path: c:\projects\butner\ Area 4 Clearance Map.mxd		







Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

**Figure D-39**  
**Area 4 Clearance**  
**Areas**  
 Unit 14-2  
 Claude & Barbara Campbell  
 1133 Bowling Mountain Rd.  
**Former Camp Butner, NC**



**Legend**

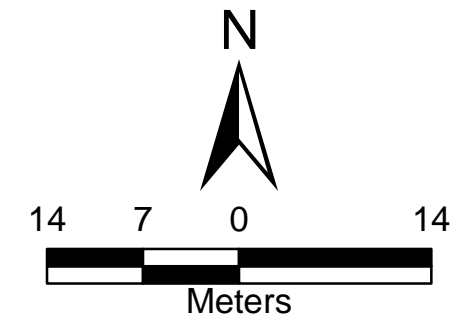
-  Roads
-  Area 4 Houses
-  Area 4 Uncleared Areas
-  Land Parcels
-  Area 4 Boundary

*USA Environmental, Inc.*      **US Army Engineering And Support Center**

Drawn By: SPC	Scale: 1 inch = 14 meters	Rev:
Checked By:	Date Drawn: 1-10-2011	
Submitted By: RN	Plot Date:	

Path: c:\projects\butner\Area 4 Clearance Map.mxd













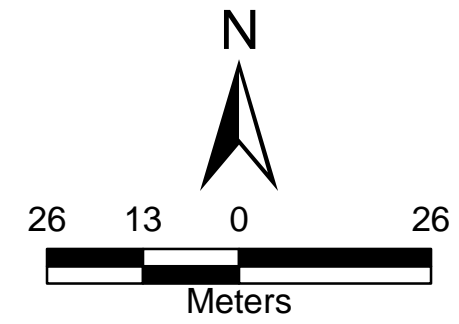
Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

**Figure D-40**  
**Area 4 Clearance**  
**Areas**  
 Unit 14-3  
 Robert & Carol Perunko  
 4093 Range Rd.  
**Former Camp Butner, NC**

**Legend**

-  Roads
-  Area 4 Houses
-  Area 4 Uncleared Areas
-  Land Parcels
-  Area 4 Boundary






<i>USA Environmental, Inc.</i>		<b>US Army Engineering And Support Center</b>	
Drawn By: SPC	Scale: 1 inch = 14 meters	Rev:	
Checked By:	Date Drawn: 1-10-2011		
Submitted By: RN	Plot Date:		
	Path: c:\projects\butner\Area 4 Clearance Map.mxd		



Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

**Figure D-41**  
**Area 4 Clearance**  
**Areas**  
 Unit 14-4  
 Richard Hoppenworth  
 1002 Fate Washington Rd.  
**Former Camp Butner, NC**



**Legend**

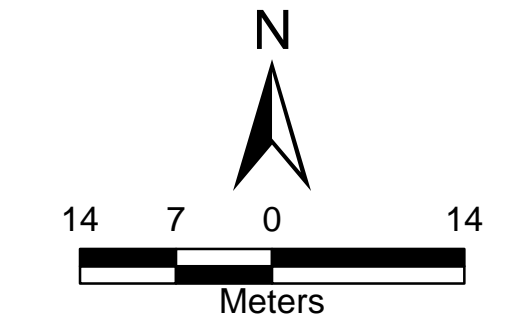
-  Roads
-  Area 4 Houses
-  Area 4 Uncleared Areas
-  Land Parcels
-  Area 4 Boundary

*USA Environmental, Inc.* **US Army Engineering And Support Center**

Drawn By: SPC	Scale: 1 inch = 26 meters	Rev:
Checked By:	Date Drawn: 1-10-2011	
Submitted By: RN	Plot Date:	

Path: c:\projects\butner\Area 4 Clearance Map.mxd













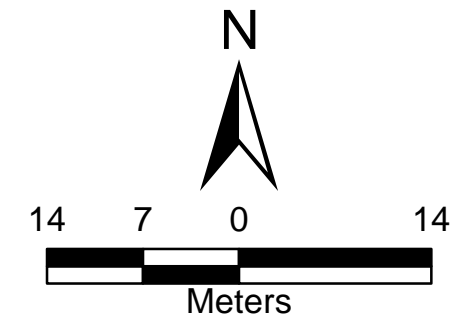
Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

**Figure D-42**  
**Area 4 Clearance**  
**Areas**  
 Unit 14-5  
 Tammy Jackson  
 1102 Fate Washington Rd.  
**Former Camp Butner, NC**

**Legend**

-  Roads
-  Area 4 Houses
-  Area 4 Uncleared Areas
-  Land Parcels
-  Area 4 Boundary






<i>USA Environmental, Inc.</i>		<b>US Army Engineering And Support Center</b>	
Drawn By: SPC	Scale: 1 inch = 14 meters	Rev:	
Checked By:	Date Drawn: 1-10-2011		
Submitted By: RN	Plot Date:		
	Path: c:\projects\butner\Area 4 Clearance Map.mxd		



Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

**Figure D-43**  
**Area 4 Clearance**  
**Areas**  
 Unit 14-6  
 Susan Norris  
 1072 Fate Washington Rd.  
**Former Camp Butner, NC**



**Legend**

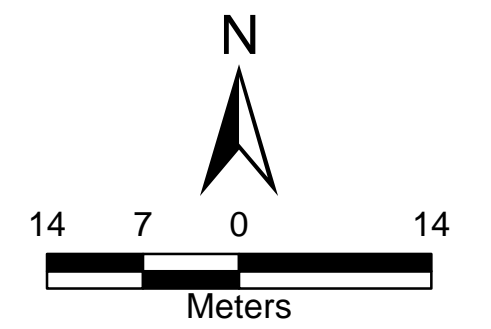
-  Roads
-  Area 4 Houses
-  Area 4 Uncleared Areas
-  Land Parcels
-  Area 4 Boundary

*USA Environmental, Inc.* **US Army Engineering And Support Center**

Drawn By: SPC	Scale: 1 inch = 14 meters	Rev:
Checked By:	Date Drawn: 1-10-2011	
Submitted By: RN	Plot Date:	

Path: c:\projects\butner\Area 4 Clearance Map.mxd














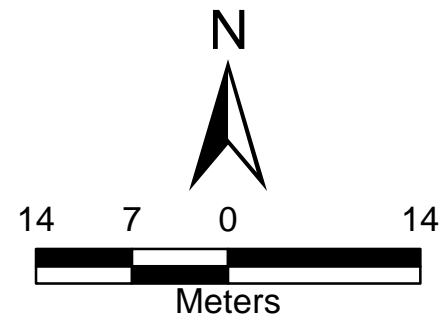
Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

**Figure D-44**  
**Area 4 Clearance**  
**Areas**  
**Unit 14-7**  
**Stacy Peebles**  
 1084 Fate Washington Rd.  
**Former Camp Butner, NC**

**Legend**




-  Roads
-  Area 4 Houses
-  Area 4 Uncleared Areas
-  Land Parcels
-  Area 4 Boundary

		<b>US Army Engineering And Support Center</b>	
Drawn By: SPC	Scale: 1 inch = 14 meters	Rev:	
Checked By:	Date Drawn: 1-10-2011		
Submitted By: RN	Plot Date:		
	Path: c:\projects\butner\Area 4 Clearance Map.mxd		





Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

**Figure D-45**  
**Area 4 Clearance**  
**Areas**  
 Unit 14-8  
 Charles Corbin  
 1096 Fate Washington Rd.  
**Former Camp Butner, NC**

<b>Legend</b>	
	Roads
	Area 4 Houses
	Area 4 Uncleared Areas
	Land Parcels
	Area 4 Boundary

*USA*  
*Environmental, Inc.*      **US Army Engineering  
 And Support Center**

Drawn By: <b>SPC</b>	Scale: 1 inch = 14 meters	Rev:
Checked By:	Date Drawn: 1-10-2011	
Submitted By:	Plot Date:	

	Path: c:\projects\butner\ Area 4 Clearance Map.mxd	
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N

Meters

Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

## Figure D-46

### Area 4 Clearance Areas

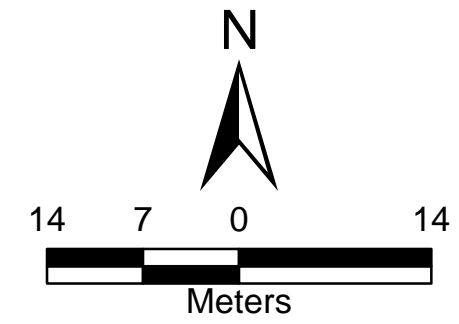
Unit 14-9  
Cherie Jones  
4139 Blue Mountain Rd.  
**Former Camp Butner, NC**

### Legend

- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

<i>USA</i> <i>Environmental, Inc.</i>		<b>US Army Engineering And Support Center</b>	
Drawn By: SPC	Scale: 1 inch = 14 meters	Rev:	
Checked By:	Date Drawn: 1-10-2011		
Submitted By: RN	Plot Date:		
	Path: c:\projects\butner\ Area 4 Clearance Map.mxd		










Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

**Figure D-47**  
**Area 4 Clearance**  
**Areas**  
 Unit 14-10  
 Cherie Jones  
 4139-A Blue Mountain Rd.  
**Former Camp Butner, NC**



**Legend**

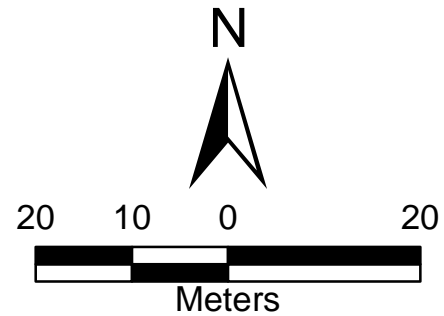
-  Roads
-  Area 4 Houses
-  Area 4 Uncleared Areas
-  Land Parcels
-  Area 4 Boundary

*USA Environmental, Inc.* **US Army Engineering And Support Center**

Drawn By: SPC	Scale: 1 inch = 14 meters	Rev:
Checked By:	Date Drawn: 1-10-2011	
Submitted By: RN	Plot Date:	

Path: c:\projects\butner\Area 4 Clearance Map.mxd



Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

**Figure D-48**  
**Area 4 Clearance**  
**Areas**  
**Unit 4-1**  
**Eddie & Debbie Daniel**  
**195 Enon Rd.**  
**Former Camp Butner, NC**

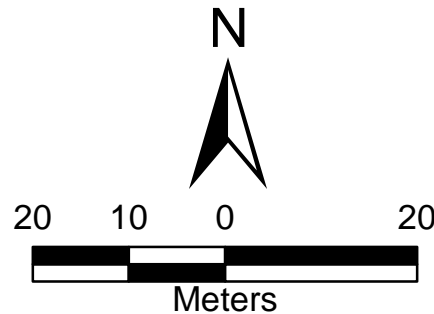
Legend	
	Roads
	Area 4 Houses
	Area 4 Uncleared Areas
	Land Parcels
	Area 4 Boundary

*USA Environmental, Inc.*      **US Army Engineering And Support Center**

Drawn By: SPC	Scale: 1 inch = 20 meters	Rev:
Checked By:	Date Drawn: 1-05-2011	
Submitted By: RN	Plot Date:	

Path: c:\projects\butner\Area 4 Clearance Map.mxd










Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

**Figure D-49**  
**Area 4 Clearance**  
**Areas**  
**Unit 4-2**  
**Raymond Hicks**  
**193 Enon Rd.**  
**Former Camp Butner, NC**



**Legend**

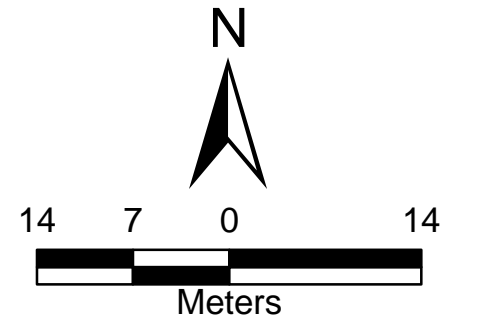
-  Roads
-  Area 4 Houses
-  Area 4 Uncleared Areas
-  Land Parcels
-  Area 4 Boundary

*USA Environmental, Inc.*      **US Army Engineering And Support Center**

Drawn By: SPC	Scale: 1 inch = 20 meters	Rev:
Checked By:	Date Drawn: 1-05-2011	
Submitted By: RN	Plot Date:	






Path: c:\projects\butner\Area 4 Clearance Map.mxd



Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

**Figure D-50**  
**Area 4 Clearance**  
**Areas**  
**Unit 4-3**  
**Robert Baczek**  
 1041 Enon Rd.  
**Former Camp Butner, NC**

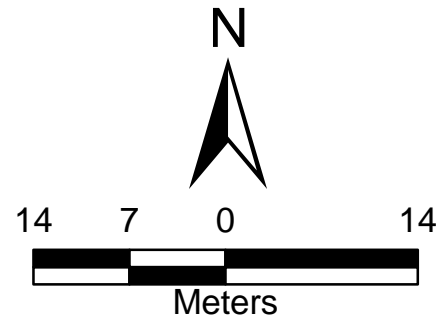
<b>Legend</b>	
	Roads
	Area 4 Houses
	Area 4 Uncleared Areas
	Land Parcels
	Area 4 Boundary

*USA Environmental, Inc.* **US Army Engineering And Support Center**

Drawn By: SPC	Scale: 1 inch = 14 meters	Rev:
Checked By:	Date Drawn: 1-05-2011	
Submitted By: RN	Plot Date:	

Path: c:\projects\butner\Area 4 Clearance Map.mxd





Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

**Figure D-51**  
**Area 4 Clearance**  
**Areas**  
**Unit 4-4**  
**Ronald & Lisa Tarlton**  
**1043 Enon Rd.**  
**Former Camp Butner, NC**

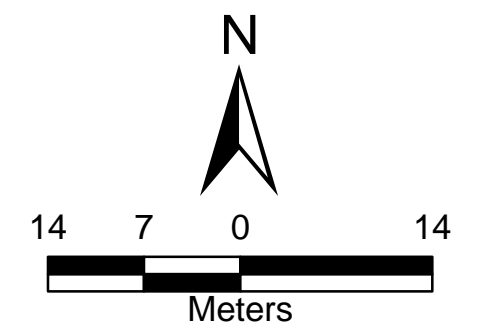
Legend	
	Roads
	Area 4 Houses
	Area 4 Uncleared Areas
	Land Parcels
	Area 4 Boundary

*USA Environmental, Inc.*      **US Army Engineering And Support Center**

Drawn By: SPC	Scale: 1 inch = 14 meters	Rev:
Checked By:	Date Drawn: 1-05-2011	
Submitted By: RN	Plot Date:	

Path: c:\projects\butner\ Area 4 Clearance Map.mxd





Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

**Figure D-52**  
**Area 4 Clearance**  
**Areas**  
**Unit 4-5**  
**Denise Mazlak**  
**1049 Enon Rd.**  
**Former Camp Butner, NC**

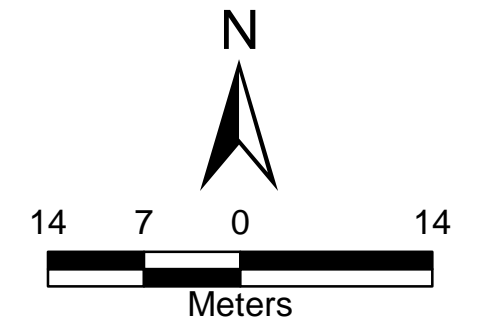
Legend	
	Roads
	Area 4 Houses
	Area 4 Uncleared Areas
	Land Parcels
	Area 4 Boundary

*USA Environmental, Inc.*      **US Army Engineering And Support Center**

Drawn By: SPC	Scale: 1 inch = 14 meters	Rev:
Checked By:	Date Drawn: 1-05-2011	
Submitted By: RN	Plot Date:	






Path: c:\projects\butner\Area 4 Clearance Map.mxd







Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

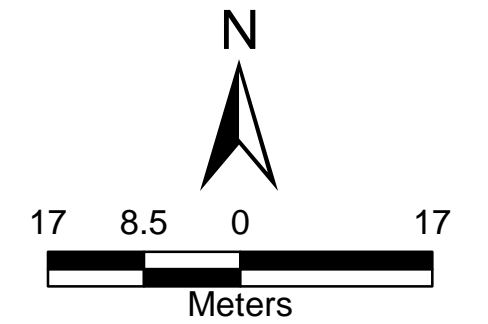
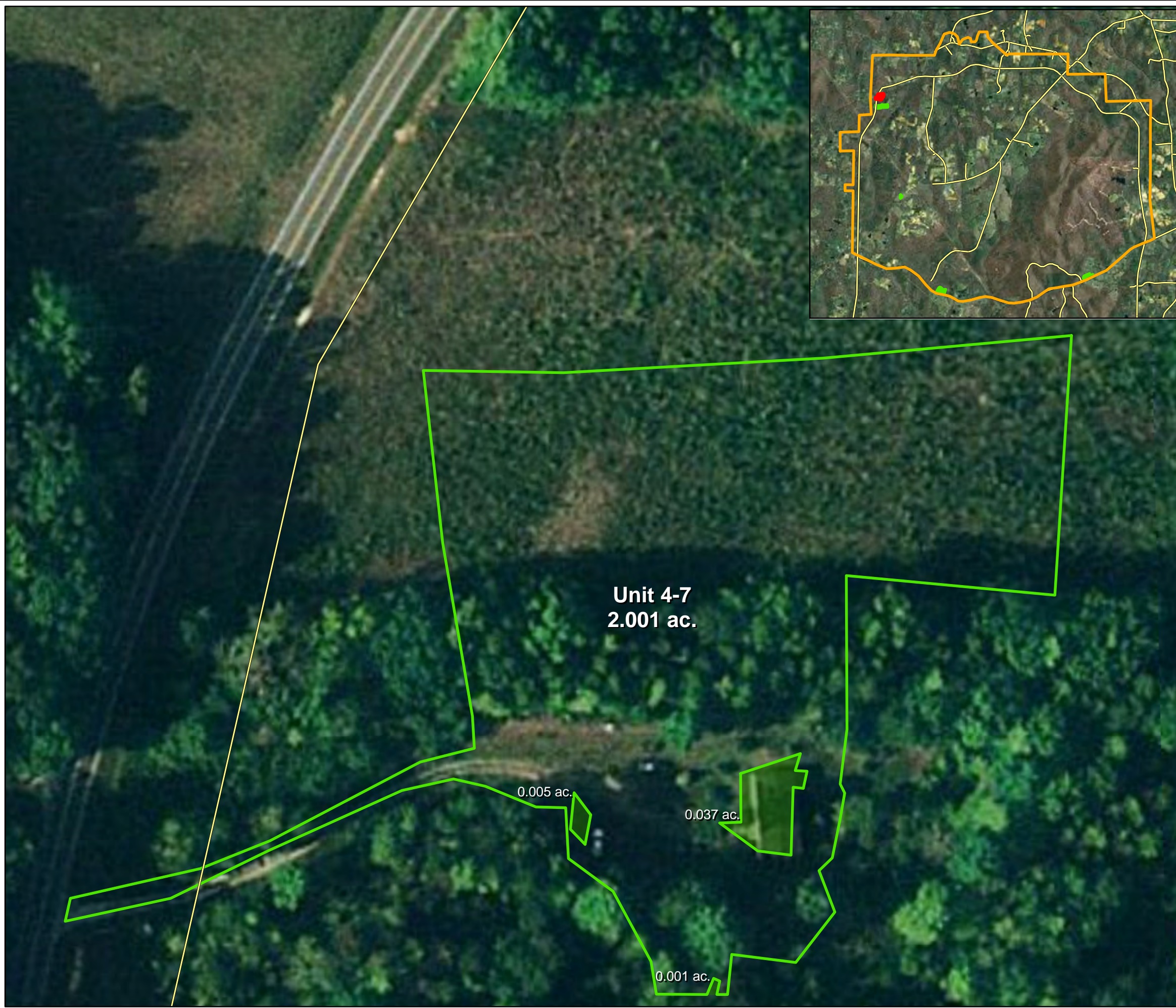
**Figure D-53**  
**Area 4 Clearance**  
**Areas**  
**Unit 4-6**  
**Marjorie Winstead**  
**1319 Berea Rd.**  
**Former Camp Butner, NC**

<b>Legend</b>	
	Roads
	Area 4 Houses
	Area 4 Uncleared Areas
	Land Parcels
	Area 4 Boundary

*USA Environmental, Inc.* **US Army Engineering And Support Center**

Drawn By: SPC	Scale: 1 inch = 14 meters	Rev:
Checked By:	Date Drawn: 1-05-2011	
Submitted By: RN	Plot Date:	






	Path: c:\projects\butner\ Area 4 Clearance Map.mxd	
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Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.



**Figure D-54**  
**Area 4 Clearance**  
**Areas**  
**Unit 4-7**  
**Richard Harris**  
**11158 Range Rd.**  
**Former Camp Butner, NC**

**Legend**

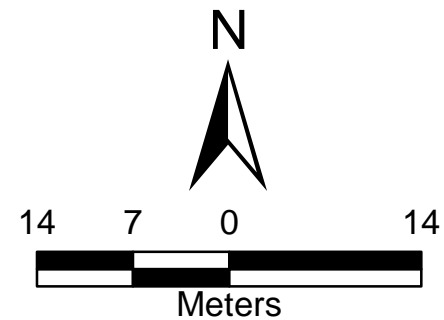
-  Roads
-  Area 4 Houses
-  Area 4 Uncleared Areas
-  Land Parcels
-  Area 4 Boundary

*USA Environmental, Inc.* **US Army Engineering And Support Center**

Drawn By: SPC	Scale: 1 inch = 17 meters	Rev:
Checked By:	Date Drawn: 1-05-2011	
Submitted By: RN	Plot Date:	

	Path: c:\projects\butner\ Area 4 Clearance Map.mxd	
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Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

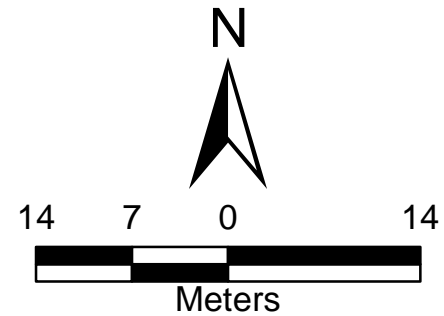
**Figure D-55**  
**Area 4 Clearance**  
**Areas**  
**Unit 4-8**  
**Elsie Harris**  
 89 George Harris Rd.  
**Former Camp Butner, NC**

**Legend**

-  Roads
-  Area 4 Houses
-  Area 4 Uncleared Areas
-  Land Parcels
-  Area 4 Boundary

*USA Environmental, Inc.* **US Army Engineering And Support Center**

Drawn By: SPC	Scale: 1 inch = 14 meters	Rev:
Checked By:	Date Drawn: 1-05-2011	
Submitted By: RN	Plot Date:	



Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

**Figure D-56**  
**Area 4 Clearance**  
**Areas**  
**Unit 4-9**  
**George & Maggie Harris**  
**11014 Range Rd.**  
**Former Camp Butner, NC**



**Legend**

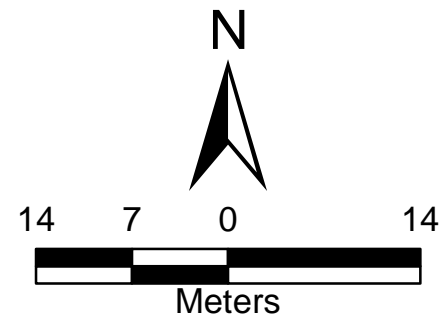
-  Roads
-  Area 4 Houses
-  Area 4 Uncleared Areas
-  Land Parcels
-  Area 4 Boundary

*USA Environmental, Inc.* **US Army Engineering And Support Center**

Drawn By: SPC	Scale: 1 inch = 14 meters	Rev:
Checked By:	Date Drawn: 1-05-2011	
Submitted By: RN	Plot Date:	

Path: c:\projects\butner\Area 4 Clearance Map.mxd











Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

**Figure D-57**  
**Area 4 Clearance**  
**Areas**  
**Unit 4-10**  
**George & Maggie Harris**  
**90 George Harris Rd.**  
**Former Camp Butner, NC**



**Legend**

-  Roads
-  Area 4 Houses
-  Area 4 Uncleared Areas
-  Land Parcels
-  Area 4 Boundary

*USA Environmental, Inc.*      **US Army Engineering And Support Center**

Drawn By: SPC	Scale: 1 inch = 14 meters	Rev:
Checked By:	Date Drawn: 1-07-2011	
Submitted By: RN	Plot Date:	

Path: c:\projects\butner\Area 4 Clearance Map.mxd



N

20 10 0 20  
Meters

Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

## Figure D-58

### Area 4 Clearance Areas

#### Unit 5-1

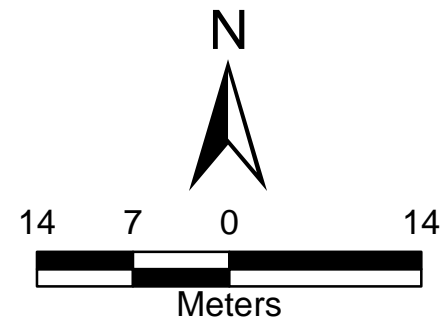
#### Hal Harrison

501 Enon Rd.  
**Former Camp Butner, NC**

### Legend

- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

<i>USA</i> <i>Environmental, Inc.</i>		<b>US Army Engineering And Support Center</b>	
Drawn By: SPC	Scale: 1 inch = 20 meters	Rev:	
Checked By:	Date Drawn: 1-13-2011		
Submitted By: RN	Plot Date:		
	Path: c:\projects\butner\ Area 4 Clearance Map.mxd		



Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

**Figure D-59**  
**Area 4 Clearance**  
**Areas**  
**Unit 5-2**  
**Elsie Harris**  
**88 George Harris Rd.**  
**Former Camp Butner, NC**

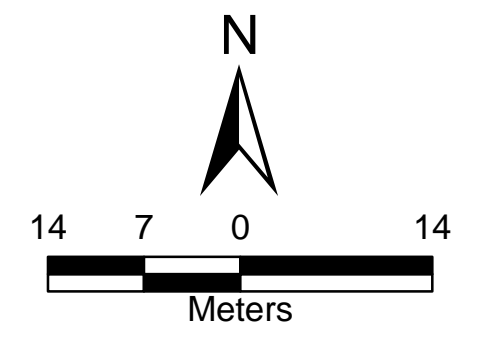
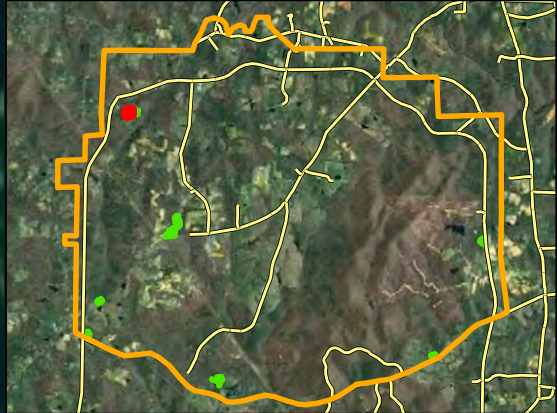
**Legend**

- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

*USA*  
*Environmental, Inc.*      **US Army Engineering  
 And Support Center**






Drawn By: SPC	Scale: 1 inch = 14 meters	Rev:
Checked By:	Date Drawn: 1-13-2011	
Submitted By: RN	Plot Date:	




Path:  
 c:\projects\butner\  
 Area 4 Clearance Map.mxd

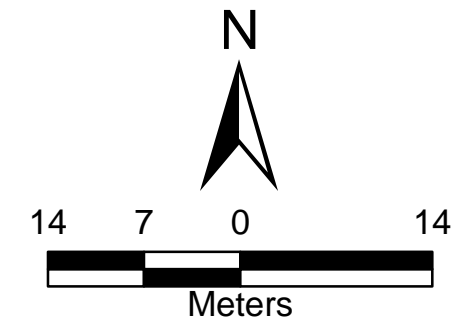


Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

**Figure D-60**  
**Area 4 Clearance**  
**Areas**  
**Unit 5-3**  
**Carl Mangum**  
**267 George Harris Rd.**  
**Former Camp Butner, NC**

Legend	
	Roads
	Area 4 Houses
	Area 4 Uncleared Areas
	Land Parcels
	Area 4 Boundary

		<b>US Army Engineering And Support Center</b>	
Drawn By: SPC	Scale: 1 inch = 14 meters	Rev:	
Checked By:	Date Drawn: 1-13-2011		
Submitted By: RN	Plot Date:		
	Path: c:\projects\butner\ Area 4 Clearance Map.mxd		



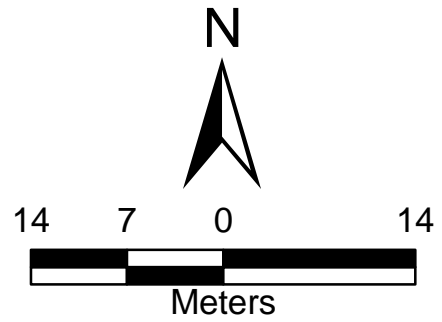
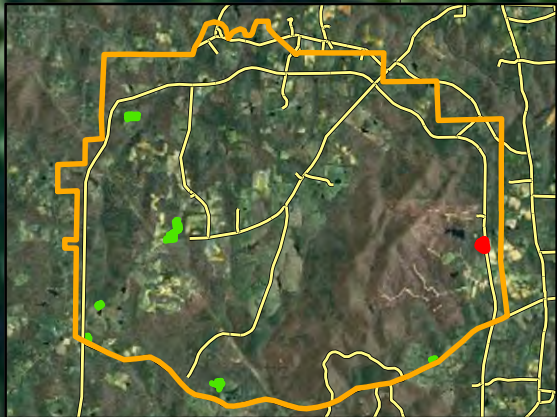
Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

**Figure D-61**  
**Area 4 Clearance**  
**Areas**  
**Unit 5-4**  
**Bill & Linda Mangum**  
**347 Bethany Church Rd.**  
**Former Camp Butner, NC**

**Legend**

- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

<i>USA</i> <i>Environmental, Inc.</i>		<b>US Army Engineering And Support Center</b>	
Drawn By: SPC	Scale: 1 inch = 14 meters	Rev:	
Checked By:	Date Drawn: 1-13-2011		
Submitted By: RN	Plot Date:		
	Path: c:\projects\butner\ Area 4 Clearance Map.mxd		



Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

**Figure D-62**  
**Area 4 Clearance**  
**Areas**  
 Unit 5-5  
 Finnie White Jr.  
 4669 Range Rd.  
**Former Camp Butner, NC**

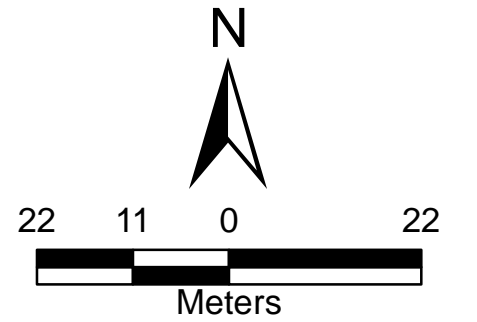
Legend	
	Roads
	Area 4 Houses
	Area 4 Uncleared Areas
	Land Parcels
	Area 4 Boundary

*USA Environmental, Inc.* **US Army Engineering And Support Center**

Drawn By: SPC	Scale: 1 inch = 14 meters	Rev:
Checked By:	Date Drawn: 1-13-2011	
Submitted By: RN	Plot Date:	

Path: c:\projects\butner\ Area 4 Clearance Map.mxd





Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

**Figure D-63**  
**Area 4 Clearance**  
**Areas**  
**Unit 5-6**  
**Freddie & Alice**  
**Newsome**  
**1741 Berea Rd.**  
**Former Camp Butner, NC**

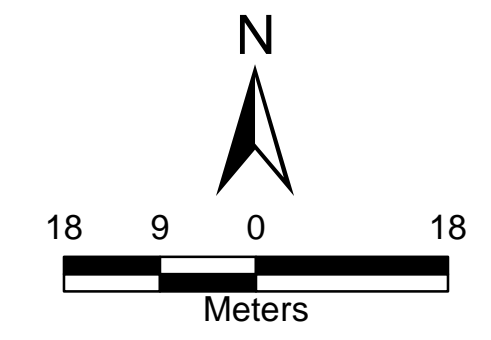
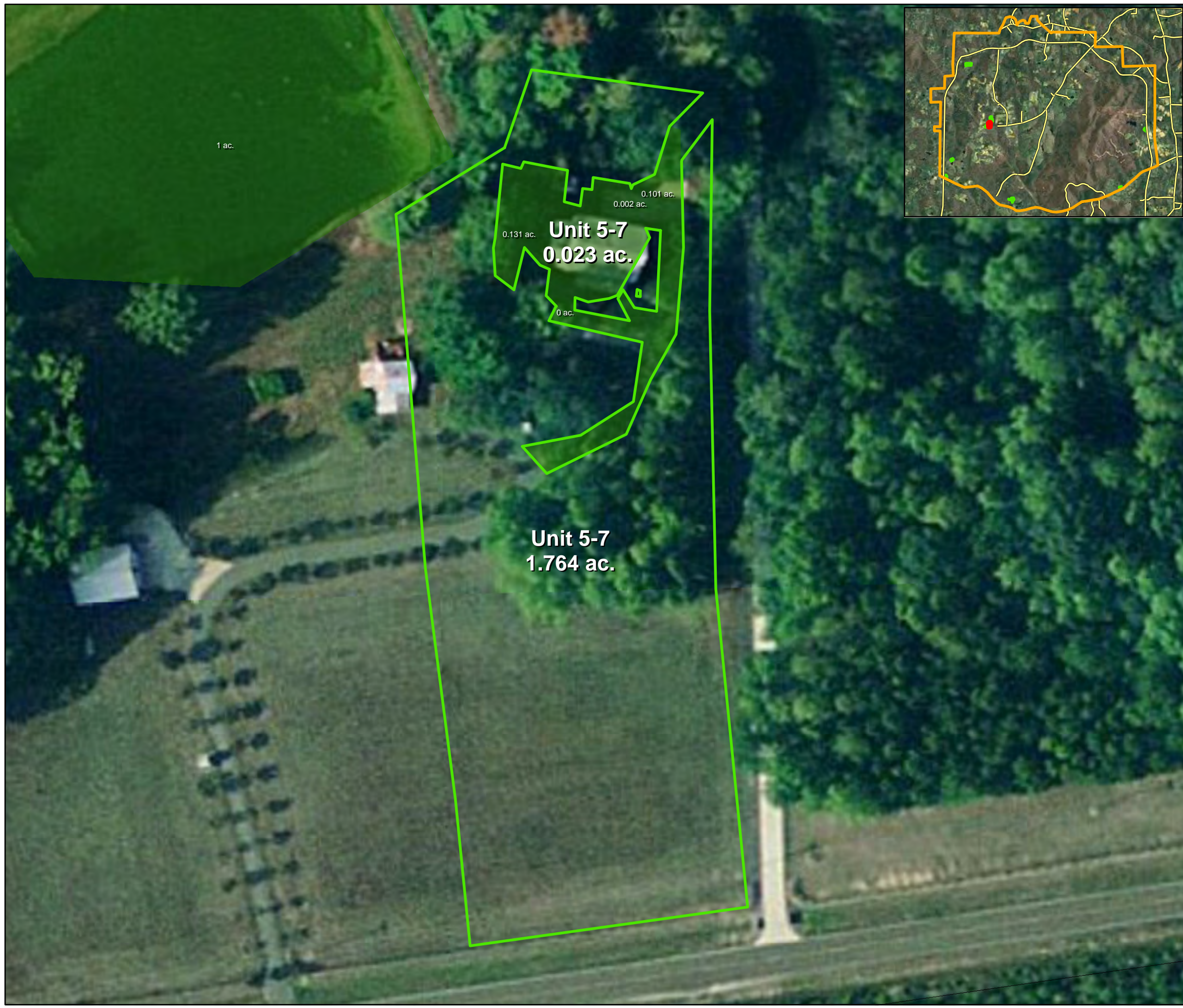
**Legend**

- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

*USA Environmental, Inc.* **US Army Engineering And Support Center**

Drawn By: SPC	Scale: 1 inch = 22 meters	Rev:
Checked By:	Date Drawn: 1-13-2011	
Submitted By: RN	Plot Date:	

Path: c:\projects\butner\Area 4 Clearance Map.mxd



Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

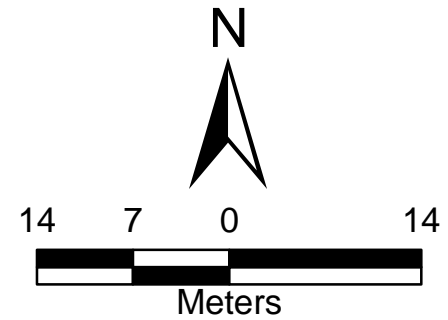
**Figure D-64**  
**Area 4 Clearance**  
**Areas**  
**Unit 5-7**  
**Nancy Mangum**  
**1715A Berea Rd.**  
**Former Camp Butner, NC**

Legend	
	Roads
	Area 4 Houses
	Area 4 Uncleared Areas
	Land Parcels
	Area 4 Boundary

*USA*  
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 And Support Center**

Drawn By: SPC	Scale: 1 inch = 18 meters	Rev:
Checked By:	Date Drawn: 1-13-2011	
Submitted By: RN	Plot Date:	

	Path: c:\projects\butner\ Area 4 Clearance Map.mxd	
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Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

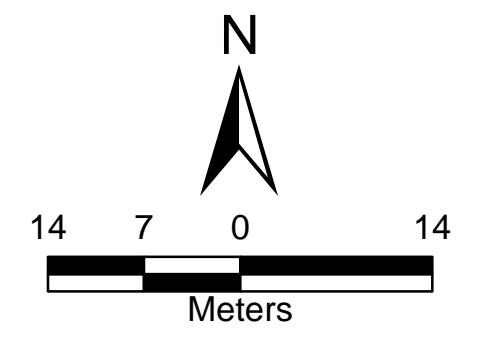
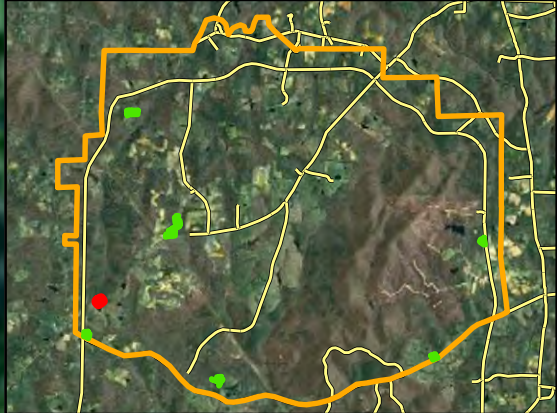
**Figure D-65**  
**Area 4 Clearance**  
**Areas**  
**Unit 5-8**  
**Christopher & Tammy**  
**Adcock**  
 1077 Enon Rd.  
**Former Camp Butner, NC**

Legend	
	MEC Items
	Roads
	Area 4 Houses
	Area 4 Uncleared Areas
	Land Parcels
	Area 4 Boundary

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Drawn By: SPC	Scale: 1 inch = 14 meters	Rev:
Checked By:	Date Drawn: 1-13-2011	
Submitted By: RN	Plot Date:	

	Path: c:\projects\butner\ Area 4 Clearance Map.mxd	
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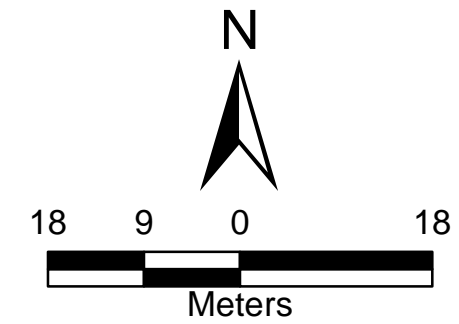


Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

**Figure D-66**  
**Area 4 Clearance**  
**Areas**  
**Unit 5-9**  
**Jerry Morris**  
**531 Berea Rd.**  
**Former Camp Butner, NC**

Legend	
	Roads
	Area 4 Houses
	Area 4 Uncleared Areas
	Land Parcels
	Area 4 Boundary

		<b>US Army Engineering And Support Center</b>	
Drawn By: SPC	Scale: 1 inch = 14 meters	Rev:	
Checked By:	Date Drawn: 1-13-2011		
Submitted By: RN	Plot Date:		
	Path: c:\projects\butner\Area 4 Clearance Map.mxd		



Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

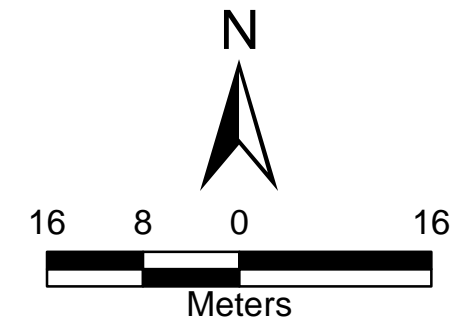
**Figure D-67**  
**Area 4 Clearance**  
**Areas**  
 Unit 5-10  
 Nancy Mangum  
 1715B Berea Rd.  
**Former Camp Butner, NC**

Legend	
	Roads
	Area 4 Houses
	Area 4 Uncleared Areas
	Land Parcels
	Area 4 Boundary

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Drawn By: SPC	Scale: 1 inch = 18 meters	Rev:
Checked By:	Date Drawn: 1-13-2011	
Submitted By: RN	Plot Date:	

	Path: c:\projects\butner\ Area 4 Clearance Map.mxd	
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Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

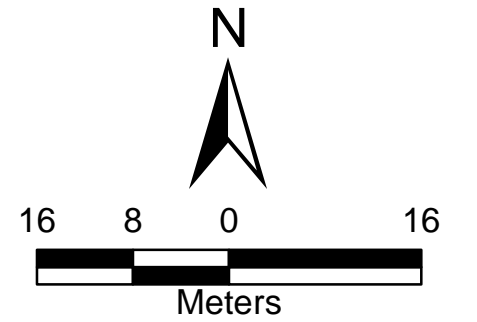
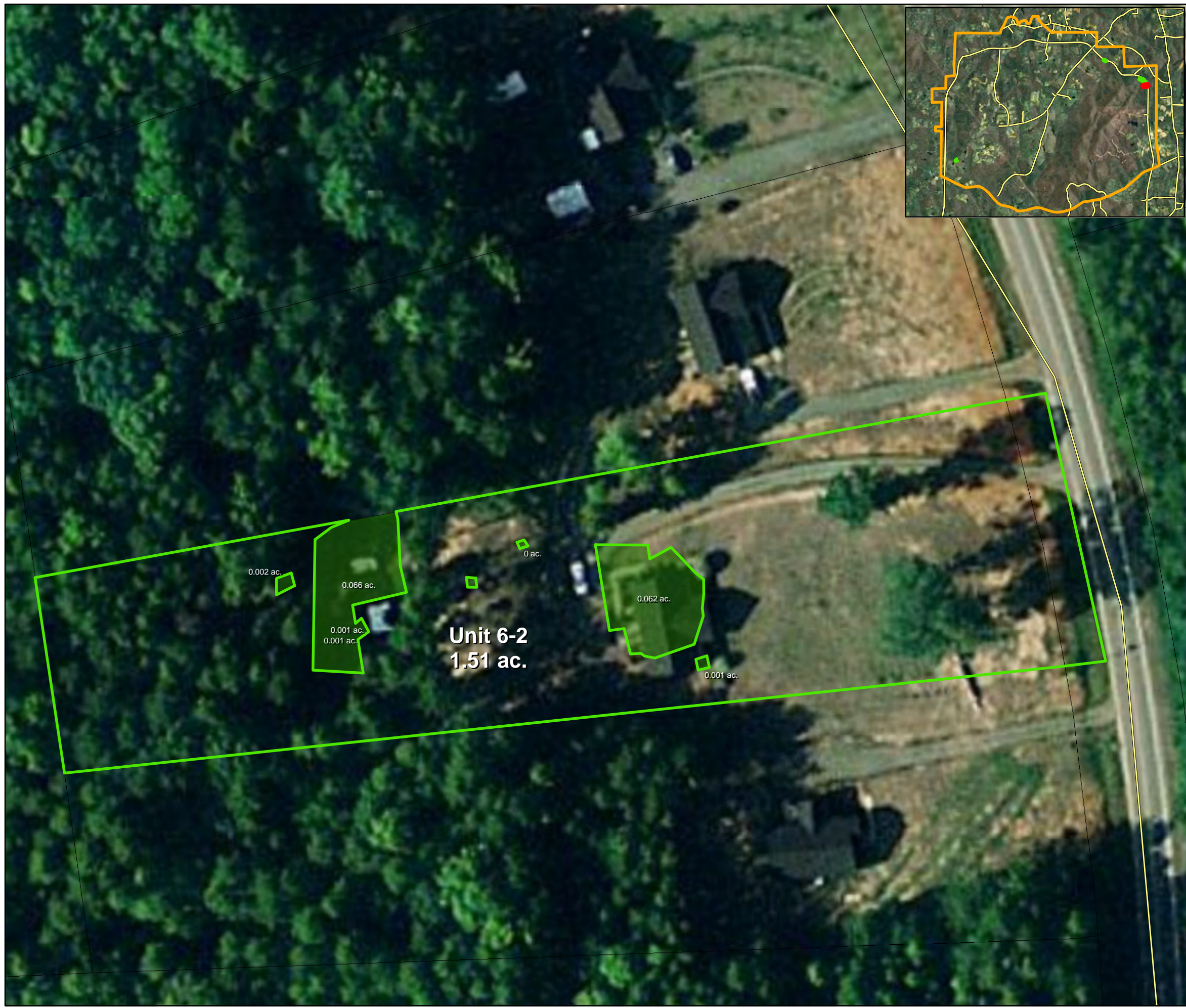
**Figure D-68**  
**Area 4 Clearance**  
**Areas**  
 Unit 6-1  
 Andre Baskett  
 5067 Range Rd.  
**Former Camp Butner, NC**

Legend	
	Roads
	Area 4 Houses
	Area 4 Uncleared Areas
	Land Parcels
	Area 4 Boundary

*USA*  
*Environmental, Inc.*      **US Army Engineering  
 And Support Center**






Drawn By: SPC	Scale: 1 inch = 16 meters	Rev:
Checked By:	Date Drawn: 1-14-2011	
Submitted By: RN	Plot Date:	

	Path: c:\projects\butner\ Area 4 Clearance Map.mxd	
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Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

**Figure D-69**  
**Area 4 Clearance**  
**Areas**  
 Unit 6-2  
 Lisa Brogden  
 5071 Range Rd.  
**Former Camp Butner, NC**

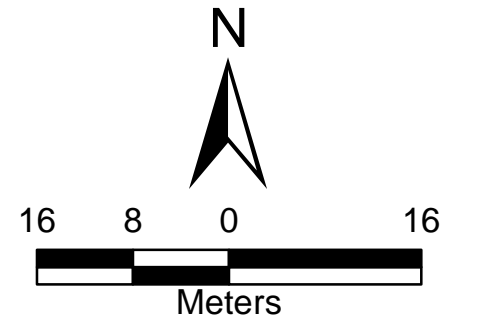
Legend	
	Roads
	Area 4 Houses
	Area 4 Uncleared Areas
	Land Parcels
	Area 4 Boundary

*USA Environmental, Inc.*      **US Army Engineering And Support Center**

Drawn By: SPC	Scale: 1 inch = 16 meters	Rev:
Checked By:	Date Drawn: 1-14-2011	
Submitted By: RN	Plot Date:	

Path: c:\projects\butner\Area 4 Clearance Map.mxd





Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

**Figure D-70**  
**Area 4 Clearance**  
**Areas**  
 Unit 6-3  
 Tim McKnight  
 5073 Range Rd.  
**Former Camp Butner, NC**

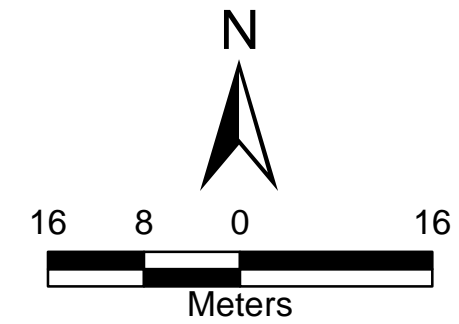
Legend	
	Roads
	Area 4 Houses
	Area 4 Uncleared Areas
	Land Parcels
	Area 4 Boundary

*USA Environmental, Inc.*      **US Army Engineering And Support Center**

Drawn By: SPC	Scale: 1 inch = 16 meters	Rev:
Checked By:	Date Drawn: 1-14-2011	
Submitted By: RN	Plot Date:	

	Path: c:\projects\butner\ Area 4 Clearance Map.mxd	
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Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

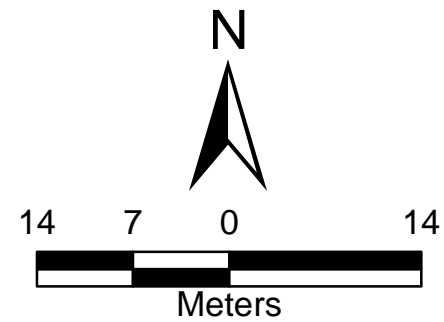
**Figure D-71**  
**Area 4 Clearance**  
**Areas**  
**Unit 6-4**  
**Keith Miller**  
**5075 Range Rd.**  
**Former Camp Butner, NC**

Legend	
	Roads
	Area 4 Houses
	Area 4 Uncleared Areas
	Land Parcels
	Area 4 Boundary

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Drawn By: SPC	Scale: 1 inch = 16 meters	Rev:
Checked By:	Date Drawn: 1-14-2011	
Submitted By: RN	Plot Date:	






	Path: c:\projects\butner\ Area 4 Clearance Map.mxd	
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Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

**Figure D-72**  
**Area 4 Clearance**  
**Areas**  
**Unit 6-5**  
**Victoria Harding**  
**5079 Range Rd.**  
**Former Camp Butner, NC**

**Legend**

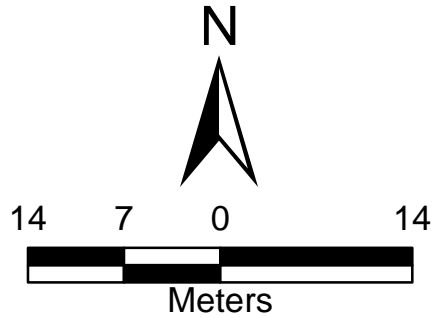
-  Roads
-  Area 4 Houses
-  Area 4 Uncleared Areas
-  Land Parcels
-  Area 4 Boundary

*USA*  
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**And Support Center**

Drawn By: SPC	Scale: 1 inch = 14 meters	Rev:
Checked By:	Date Drawn: 1-18-2011	
Submitted By: RN	Plot Date:	

Path:  
c:\projects\butner\  
Area 4 Clearance Map.mxd










Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

**Figure D-73**  
**Area 4 Clearance**  
**Areas**  
**Unit 6-6**  
**William Beard**  
**5087 Range Rd.**  
**Former Camp Butner, NC**



**Legend**

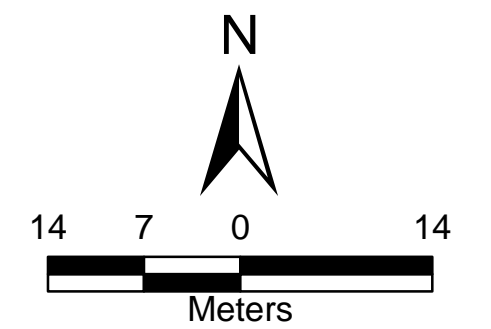
-  Roads
-  Area 4 Houses
-  Area 4 Uncleared Areas
-  Land Parcels
-  Area 4 Boundary

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 And Support Center**

Drawn By: SPC	Scale: 1 inch = 14 meters	Rev:
Checked By:	Date Drawn: 1-18-2011	
Submitted By: RN	Plot Date:	






Path:  
 c:\projects\butner\  
 Area 4 Clearance Map.mxd





Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

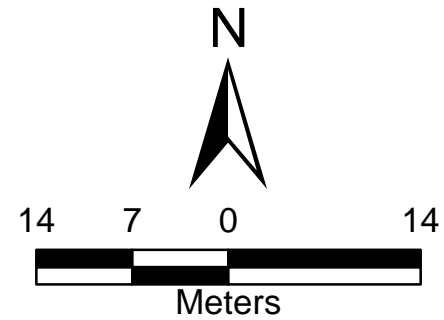
**Figure D-74**  
**Area 4 Clearance**  
**Areas**  
**Unit 6-7**  
**Michael Sandifer**  
**5097 Range Rd.**  
**Former Camp Butner, NC**

Legend	
	Roads
	Area 4 Houses
	Area 4 Uncleared Areas
	Land Parcels
	Area 4 Boundary

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Drawn By: SPC	Scale: 1 inch = 14 meters	Rev:
Checked By:	Date Drawn: 1-18-2011	
Submitted By: RN	Plot Date:	






	Path: c:\projects\butner\ Area 4 Clearance Map.mxd	
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Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

**Figure D-75**  
**Area 4 Clearance**  
**Areas**  
**Unit 6-8**  
**William & Annie Black**  
**5201 Range Rd.**  
**Former Camp Butner, NC**

**Legend**

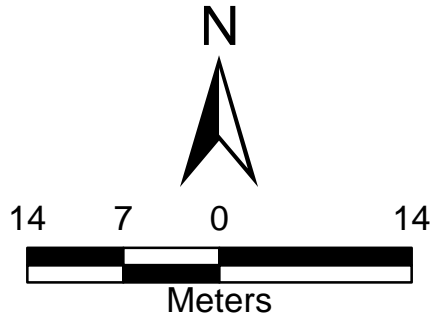
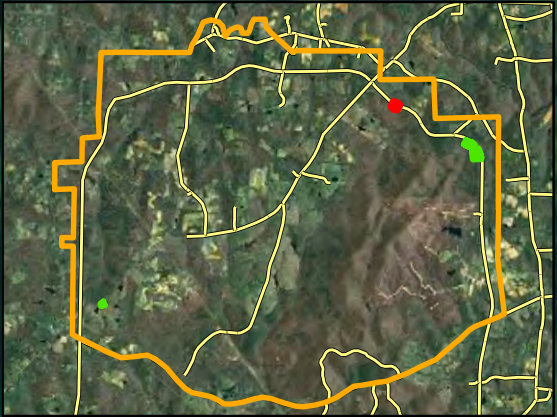
-  Roads
-  Area 4 Houses
-  Area 4 Uncleared Areas
-  Land Parcels
-  Area 4 Boundary

*USA Environmental, Inc.* **US Army Engineering And Support Center**

Drawn By: SPC	Scale: 1 inch = 14 meters	Rev:
Checked By:	Date Drawn: 1-18-2011	
Submitted By: RN	Plot Date:	

Path: c:\projects\butner\Area 4 Clearance Map.mxd



Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

**Figure D-76**  
**Area 4 Clearance**  
**Areas**  
**Unit 6-9**  
**Archie Wilkerson**  
**5203 Range Rd.**  
**Former Camp Butner, NC**

**Legend**

- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

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Drawn By: SPC	Scale: 1 inch = 14 meters	Rev:
Checked By:	Date Drawn: 1-18-2011	
Submitted By: RN	Plot Date:	

Path: c:\projects\butner\Area 4 Clearance Map.mxd



**Unit 6-10**  
1.201 ac.

0.052 ac.

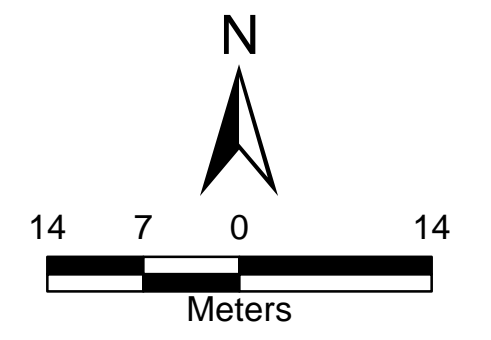
0.001 ac.

0.001 ac.

0 ac.

0.01 ac.

0.001 ac.



Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

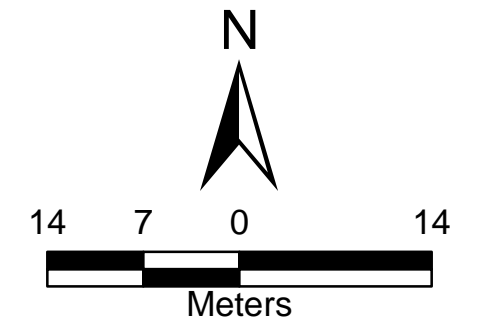
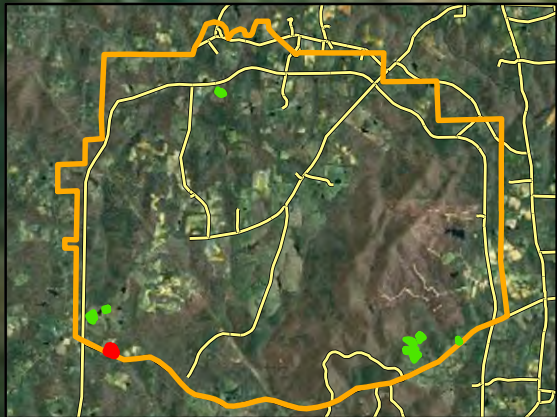
**Figure D-77**  
**Area 4 Clearance**  
**Areas**  
**Unit 6-10**  
**Iris Ann Day**  
**580 A&W Bowling Rd.**  
**Former Camp Butner, NC**

<b>Legend</b>	
	Roads
	Area 4 Houses
	Area 4 Uncleared Areas
	Land Parcels
	Area 4 Boundary

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Drawn By: SPC	Scale: 1 inch = 14 meters	Rev:
Checked By:	Date Drawn: 1-19-2011	
Submitted By: RN	Plot Date:	

	Path: c:\projects\butner\ Area 4 Clearance Map.mxd	
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Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

## Figure D-78

### Area 4 Clearance Areas

#### Unit 7-1

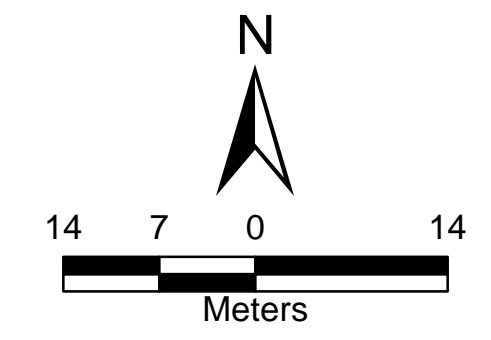
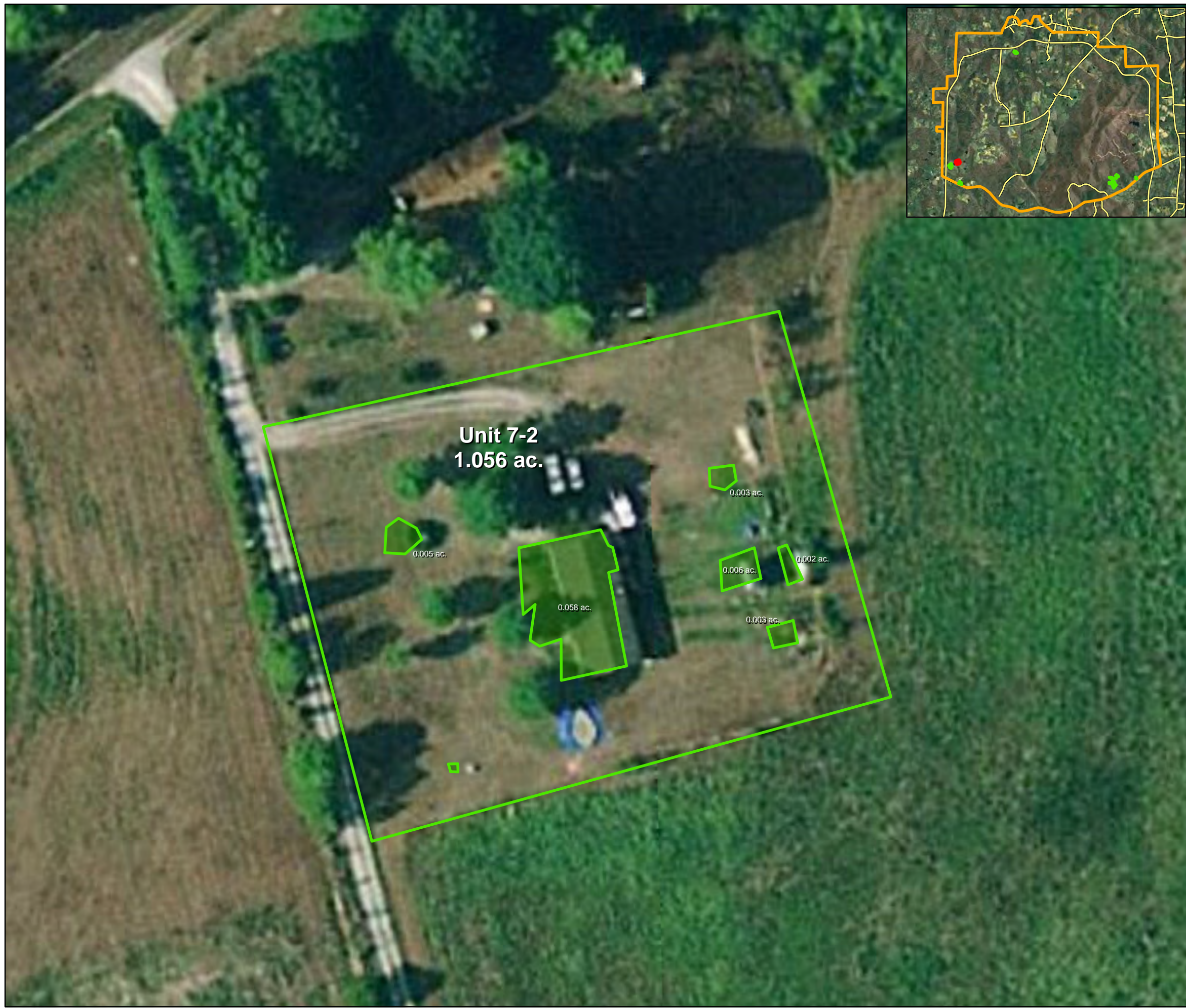
#### John Mangum

655 Bethany Church Rd.  
**Former Camp Butner, NC**

Legend	
	MEC Items
	Roads
	Area 4 Houses
	Area 4 Uncleared Areas
	Land Parcels
	Area 4 Boundary

		<b>US Army Engineering And Support Center</b>	
Drawn By: SPC	Scale: 1 inch = 14 meters	Rev:	
Checked By:	Date Drawn: 1-19-2011		
Submitted By: RN	Plot Date:		
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Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

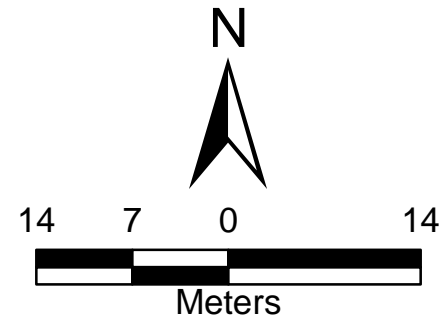
**Figure D-79**  
**Area 4 Clearance**  
**Areas**  
**Unit 7-2**  
**Iris Ann Day**  
**61 A&W Bowling Rd.**  
**Former Camp Butner, NC**

Legend	
	Roads
	Area 4 Houses
	Area 4 Uncleared Areas
	Land Parcels
	Area 4 Boundary

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Drawn By: SPC	Scale: 1 inch = 14 meters	Rev:
Checked By:	Date Drawn: 1-19-2011	
Submitted By: RN	Plot Date:	

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Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

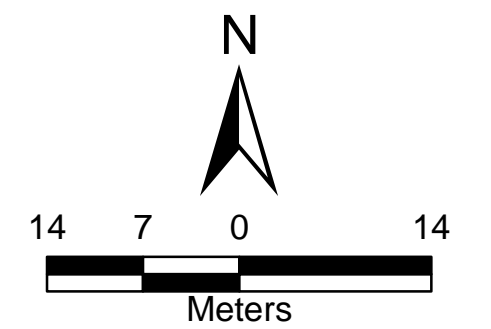
**Figure D-80**  
**Area 4 Clearance**  
**Areas**  
**Unit 7-3**  
**Donnie Hilliard**  
**4536 Sugar Maple Rd.**  
**Former Camp Butner, NC**

<b>Legend</b>	
	Roads
	Area 4 Houses
	Area 4 Uncleared Areas
	Land Parcels
	Area 4 Boundary

*USA Environmental, Inc.*      **US Army Engineering And Support Center**

Drawn By: SPC	Scale: 1 inch = 14 meters	Rev:
Checked By:	Date Drawn: 1-19-2011	
Submitted By: RN	Plot Date:	

	Path: c:\projects\butner\ Area 4 Clearance Map.mxd	
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Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

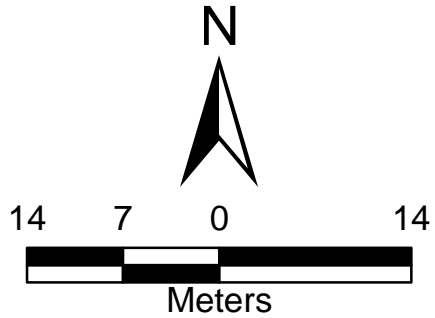
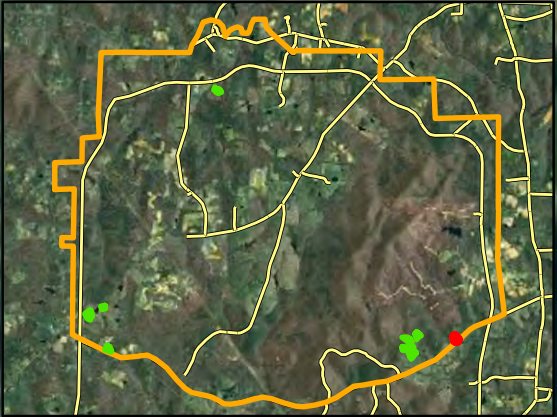
**Figure D-81**  
**Area 4 Clearance**  
**Areas**  
 Unit 7-4  
 Amy Piper  
 5447 Range Rd.  
**Former Camp Butner, NC**

Legend	
	Roads
	Area 4 Houses
	Area 4 Uncleared Areas
	Land Parcels
	Area 4 Boundary

*USA Environmental, Inc.*      **US Army Engineering And Support Center**

Drawn By: SPC	Scale: 1 inch = 14 meters	Rev:
Checked By:	Date Drawn: 1-19-2011	
Submitted By: RN	Plot Date:	

	Path: c:\projects\butner\ Area 4 Clearance Map.mxd	
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Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.



**Figure D-82**  
**Area 4 Clearance**  
**Areas**  
**Unit 7-5**  
**Ben Adcock**  
**1119 Enon Rd.**  
**Former Camp Butner, NC**

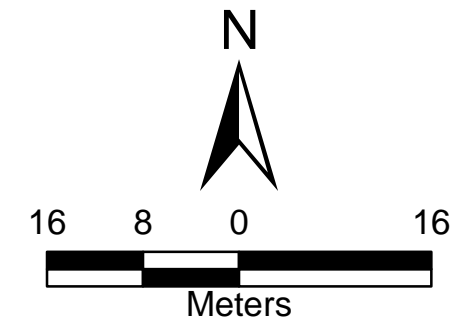
<b>Legend</b>	
	Roads
	Area 4 Houses
	Area 4 Uncleared Areas
	Land Parcels
	Area 4 Boundary

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Drawn By: SPC	Scale: 1 inch = 14 meters	Rev:
Checked By:	Date Drawn: 1-19-2011	
Submitted By: RN	Plot Date:	

Path:  
c:\projects\butner\  
Area 4 Clearance Map.mxd



Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

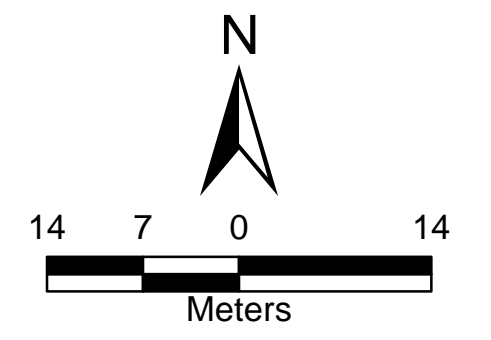
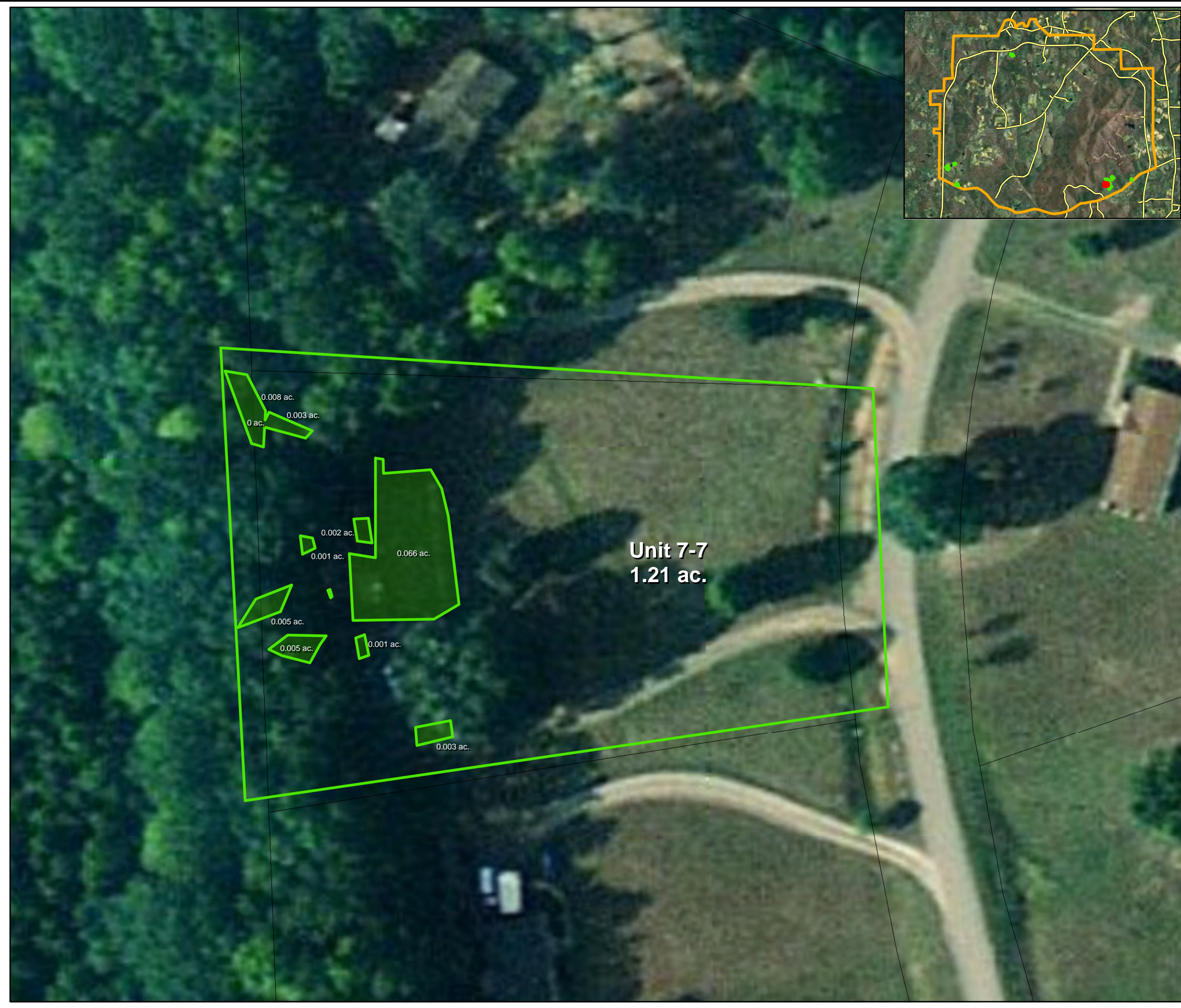
**Figure D-83**  
**Area 4 Clearance**  
**Areas**  
**Unit 7-6**  
**Rachel Swift**  
**4532 Sugar Maple Rd.**  
**Former Camp Butner, NC**

Legend	
	Roads
	Area 4 Houses
	Area 4 Uncleared Areas
	Land Parcels
	Area 4 Boundary

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Drawn By: SPC	Scale: 1 inch = 16 meters	Rev:
Checked By:	Date Drawn: 1-19-2011	
Submitted By: RN	Plot Date:	

	Path: c:\projects\butner\ Area 4 Clearance Map.mxd	
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Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

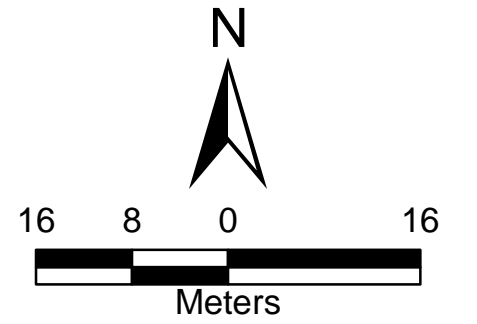
**Figure D-84**  
**Area 4 Clearance**  
**Areas**  
**Unit 7-7**  
**Kenny & Barbara**  
**Gregory**  
**4539 Sugar Maple Rd.**  
**Former Camp Butner, NC**

Legend	
	Roads
	Area 4 Houses
	Area 4 Uncleared Areas
	Land Parcels
	Area 4 Boundary

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**And Support Center**






Drawn By: SPC	Scale: 1 inch = 14 meters	Rev:
Checked By:	Date Drawn: 1-19-2011	
Submitted By: RN	Plot Date:	

	Path: c:\projects\butner\ Area 4 Clearance Map.mxd	
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Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

**Figure D-85**  
**Area 4 Clearance**  
**Areas**  
**Unit 7-8**  
**Tammy Wilson**  
**4559 Sugar Maple Rd.**  
**Former Camp Butner, NC**

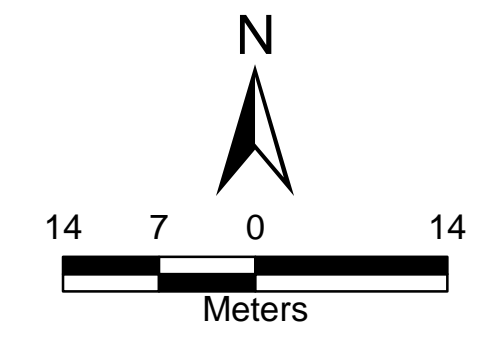
<b>Legend</b>	
	Roads
	Area 4 Houses
	Area 4 Uncleared Areas
	Land Parcels
	Area 4 Boundary

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Drawn By: SPC	Scale: 1 inch = 16 meters	Rev:
Checked By:	Date Drawn: 1-19-2011	
Submitted By: RN	Plot Date:	

Path: c:\projects\butner\Area 4 Clearance Map.mxd










Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

**Figure D-86**  
**Area 4 Clearance**  
**Areas**  
**Unit 7-9**  
**William Williams**  
**4528 Sugar Maple Rd.**  
**Former Camp Butner, NC**



**Legend**

-  Roads
-  Area 4 Houses
-  Area 4 Uncleared Areas
-  Land Parcels
-  Area 4 Boundary

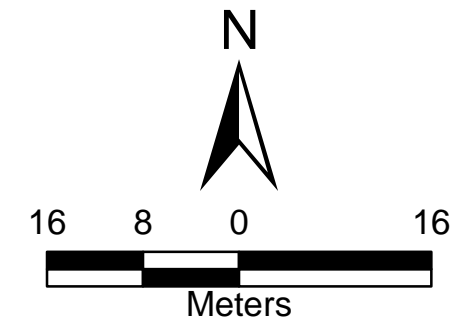
*USA Environmental, Inc.*      **US Army Engineering And Support Center**

Drawn By: SPC	Scale: 1 inch = 14 meters	Rev:
Checked By:	Date Drawn: 1-19-2011	
Submitted By: RN	Plot Date:	

Path: c:\projects\butner\Area 4 Clearance Map.mxd










Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

**Figure D-87**  
**Area 4 Clearance**  
**Areas**  
**Unit 7-10**  
**Robert & Sara Peace**  
**4551 Sugar Maple Rd.**  
**Former Camp Butner, NC**



**Legend**

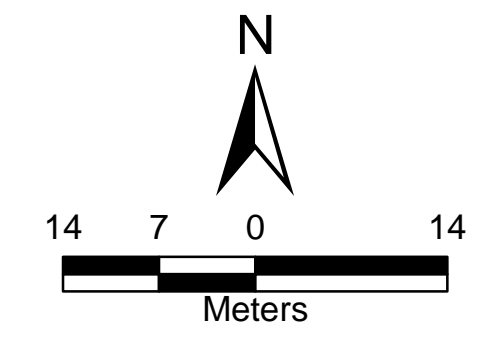
-  Roads
-  Area 4 Houses
-  Area 4 Uncleared Areas
-  Land Parcels
-  Area 4 Boundary

*USA Environmental, Inc.* **US Army Engineering And Support Center**

Drawn By: SPC	Scale: 1 inch = 16 meters	Rev:
Checked By:	Date Drawn: 1-19-2011	
Submitted By: RN	Plot Date:	

Path: c:\projects\butner\Area 4 Clearance Map.mxd



Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

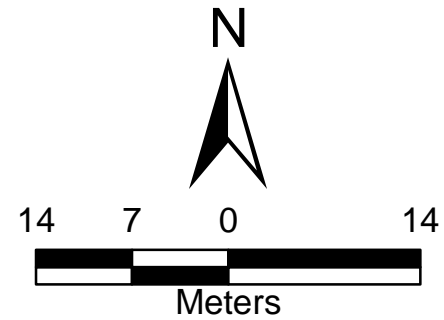
**Figure D-88**  
**Area 4 Clearance**  
**Areas**  
**Unit 8-1**  
**Lisa Jeffries**  
**4575 Sugar Maple Rd.**  
**Former Camp Butner, NC**

Legend	
	Roads
	Area 4 Houses
	Area 4 Uncleared Areas
	Land Parcels
	Area 4 Boundary

*USA Environmental, Inc.* **US Army Engineering And Support Center**

Drawn By: SPC	Scale: 1 inch = 14 meters	Rev:
Checked By:	Date Drawn: 1-19-2011	
Submitted By: RN	Plot Date:	

	Path: c:\projects\butner\ Area 4 Clearance Map.mxd	
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Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

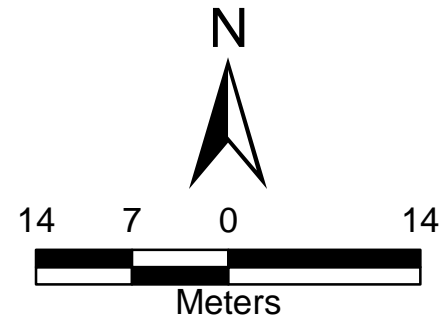
**Figure D-89**  
**Area 4 Clearance**  
**Areas**  
**Unit 8-2**  
**Steve Holcomb**  
**4533 Sugar Maple Rd.**  
**Former Camp Butner, NC**

<b>Legend</b>	
	Roads
	Area 4 Houses
	Area 4 Uncleared Areas
	Land Parcels
	Area 4 Boundary

*USA Environmental, Inc.*      **US Army Engineering And Support Center**

Drawn By: SPC	Scale: 1 inch = 14 meters	Rev:
Checked By:	Date Drawn: 1-19-2011	
Submitted By: RN	Plot Date:	

Path:  c:\projects\butner\ Area 4 Clearance Map.mxd 



Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

**Figure D-90**  
**Area 4 Clearance**  
**Areas**  
**Unit 8-3**  
**Waithera Braxton**  
**4540 Sugar Maple Rd.**  
**Former Camp Butner, NC**

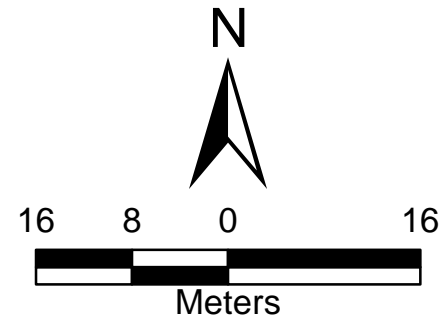
Legend	
	Roads
	Area 4 Houses
	Area 4 Uncleared Areas
	Land Parcels
	Area 4 Boundary

*USA Environmental, Inc.*      **US Army Engineering And Support Center**

Drawn By: SPC	Scale: 1 inch = 14 meters	Rev:
Checked By:	Date Drawn: 1-19-2011	
Submitted By: RN	Plot Date:	

Path: c:\projects\butner\Area 4 Clearance Map.mxd





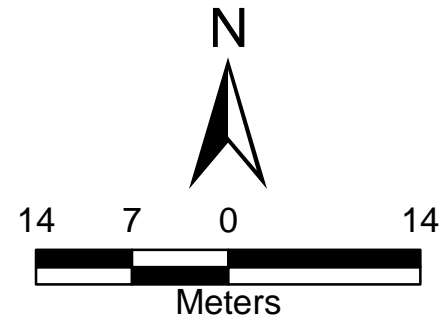
Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

**Figure D-91**  
**Area 4 Clearance**  
**Areas**  
**Unit 8-4**  
**Wade Thomas**  
**4547 Sugar Maple Rd.**  
**Former Camp Butner, NC**

<b>Legend</b>	
	Roads
	Area 4 Houses
	Area 4 Uncleared Areas
	Land Parcels
	Area 4 Boundary

*USA Environmental, Inc.*      **US Army Engineering And Support Center**

Drawn By: SPC	Scale: 1 inch = 16 meters	Rev:
Checked By:	Date Drawn: 1-19-2011	
Submitted By: RN	Plot Date:	



Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

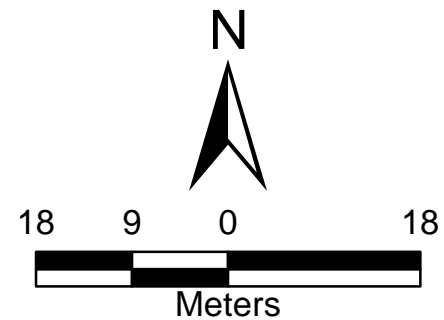
**Figure D-92**  
**Area 4 Clearance**  
**Areas**  
**Unit 8-5**  
**Terry Cannady**  
**4543 Sugar Maple Rd.**  
**Former Camp Butner, NC**

<b>Legend</b>	
	Roads
	Area 4 Houses
	Area 4 Uncleared Areas
	Land Parcels
	Area 4 Boundary

*USA Environmental, Inc.* **US Army Engineering And Support Center**

Drawn By: SPC	Scale: 1 inch = 14 meters	Rev:
Checked By:	Date Drawn: 1-19-2011	
Submitted By: RN	Plot Date:	






Path: c:\projects\butner\ Area 4 Clearance Map.mxd



Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

**Figure D-93**  
**Area 4 Clearance**  
**Areas**  
**Unit 8-6**  
**Thomas & Tina Filler**  
**4555 Sugar Maple Rd.**  
**Former Camp Butner, NC**



**Legend**

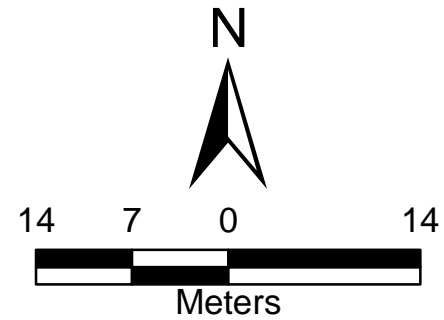
-  Roads
-  Area 4 Houses
-  Area 4 Uncleared Areas
-  Land Parcels
-  Area 4 Boundary

*USA*  
*Environmental, Inc.* **US Army Engineering**  
**And Support Center**

Drawn By: SPC	Scale: 1 inch = 18 meters	Rev:
Checked By:	Date Drawn: 1-19-2011	
Submitted By: RN	Plot Date:	

Path:  
c:\projects\butner\  
Area 4 Clearance Map.mxd











Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

**Figure D-94**  
**Area 4 Clearance**  
**Areas**  
**Unit 8-7**  
**Steven Logan**  
**4571 Sugar Maple Rd.**  
**Former Camp Butner, NC**

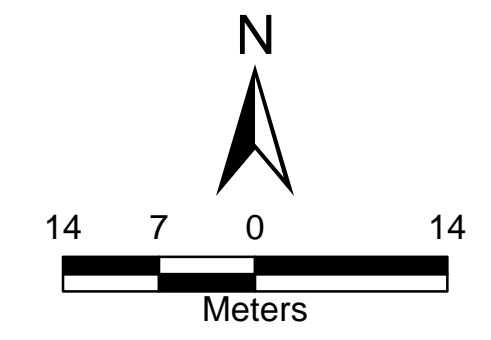
**Legend**

-  Roads
-  Area 4 Houses
-  Area 4 Uncleared Areas
-  Land Parcels
-  Area 4 Boundary

*USA Environmental, Inc.* **US Army Engineering And Support Center**

Drawn By: SPC	Scale: 1 inch = 14 meters	Rev:
Checked By:	Date Drawn: 1-19-2011	
Submitted By: RN	Plot Date:	





Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

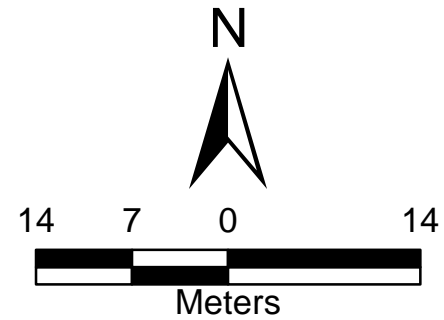
**Figure D-95**  
**Area 4 Clearance**  
**Areas**  
**Unit 8-8**  
**Robert Hudnall**  
**4567 Sugar Maple Rd.**  
**Former Camp Butner, NC**

<b>Legend</b>	
	Roads
	Area 4 Houses
	Area 4 Uncleared Areas
	Land Parcels
	Area 4 Boundary

*USA Environmental, Inc.* **US Army Engineering And Support Center**

Drawn By: SPC	Scale: 1 inch = 14 meters	Rev:
Checked By:	Date Drawn: 1-19-2011	
Submitted By: RN	Plot Date:	

	Path: c:\projects\butner\ Area 4 Clearance Map.mxd	
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Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

**Figure D-96**  
**Area 4 Clearance**  
**Areas**  
**Unit 8-9**  
**Robin French**  
**4535 Sugar Maple Rd.**  
**Former Camp Butner, NC**



**Legend**

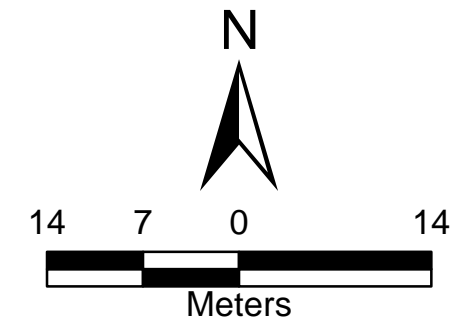
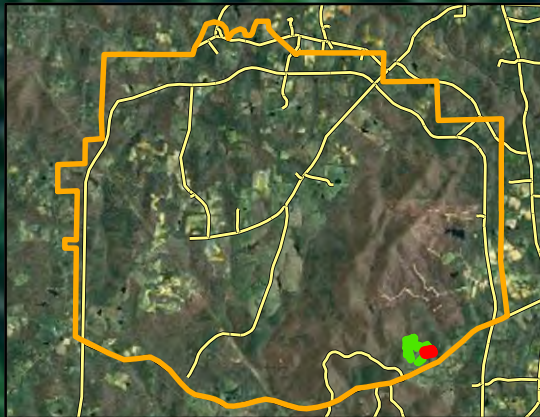
-  Roads
-  Area 4 Houses
-  Area 4 Uncleared Areas
-  Land Parcels
-  Area 4 Boundary

*USA Environmental, Inc.* **US Army Engineering And Support Center**

Drawn By: SPC	Scale: 1 inch = 14 meters	Rev:
Checked By:	Date Drawn: 1-19-2011	
Submitted By: RN	Plot Date:	

Path: c:\projects\butner\Area 4 Clearance Map.mxd



Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

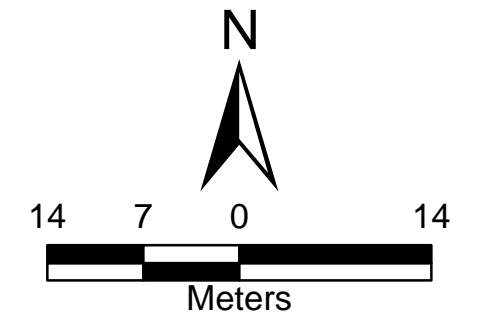
**Figure D-97**  
**Area 4 Clearance**  
**Areas**  
**Unit 8-10**  
**Scott & Stacey Wade**  
**4579 Sugar Maple Rd.**  
**Former Camp Butner, NC**

<b>Legend</b>	
	Roads
	Area 4 Houses
	Area 4 Uncleared Areas
	Land Parcels
	Area 4 Boundary

*USA Environmental, Inc.* **US Army Engineering And Support Center**

Drawn By: SPC	Scale: 1 inch = 14 meters	Rev:
Checked By:	Date Drawn: 1-19-2011	
Submitted By: RN	Plot Date:	

	Path: c:\projects\butner\ Area 4 Clearance Map.mxd	
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Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

**Figure D-98**  
**Area 4C Clearance**  
**Areas**  
**Unit 4C-9**  
**Wyatt & Amy Blalock**  
 4578 Uzzle Rd.  
**Former Camp Butner, NC**

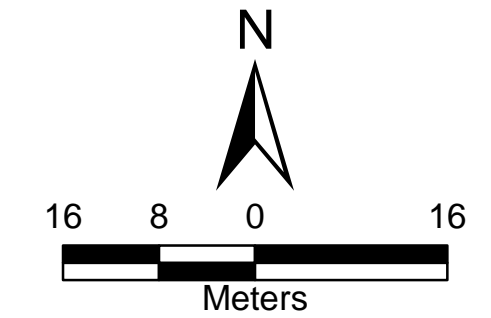
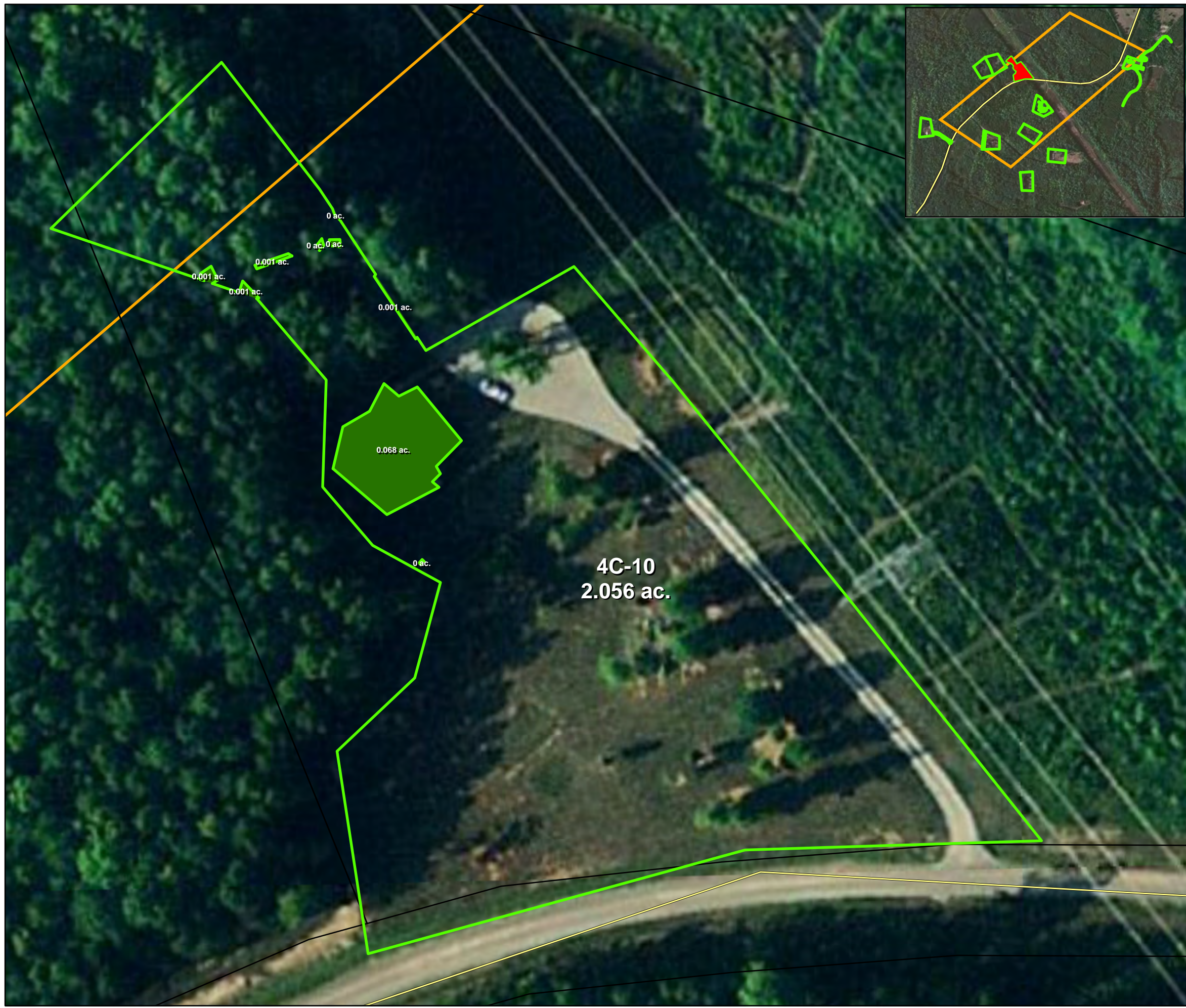
**Legend**

- MEC (DMM)
- Roads
- Area 4C Clearance Areas
- Land Parcels
- Area 4C Boundary

*USA Environmental, Inc.*      **US Army Engineering And Support Center**

Drawn By: SPC	Scale: 1" = 14 m	Rev: 1
Checked By:	Date Drawn: 1-19-2011	
Submitted By: RN	Revision Date: 2-25-2011	




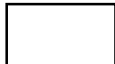

Path: c:\projects\butner\Area 4C Site Map.mxd



Data is projected to the UTM Coordinate System:  
Zone 17, NAD83, Units in Meters.

**Figure D-99**  
**Area 4C Clearance**  
**Areas**  
**Unit 4C-10**  
**Dan & Christy Glosson**  
 4573 Uzzle Rd.  
**Former Camp Butner, NC**



**Legend**

-  Roads
-  Area 4C Clearance Areas
-  Area 4C Uncleared Areas
-  Land Parcels
-  Area 4C Boundary

*USA Environmental, Inc.* **US Army Engineering And Support Center**

Drawn By: SPC	Scale: 1" = 16 m	Rev:
Checked By:	Date Drawn: 1-19-2011	
Submitted By: RN	Revision Date:	

Path: c:\projects\butner\Area 4C Site Map.mxd

**APPENDIX E**

**E.0 QUALITY CONTROL/QUALITY ASSURANCE DOCUMENTATION**

This appendix contains the following QC/QA documentation:

- CEHNC Forms 948
- Blind Seed Item Log (on CD)
- QC Daily Inspection Forms for MEC Operations (on CD)
- QC Weekly Reports (on CD)
- QC Daily Grid Inspection Forms (on CD)

CEHNC Forms 948

U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE  
ORDNANCE AND EXPLOSIVE GROUP  
MEMO

TO: USA Environmental      DATE: 7-20-10      TIME: 1500

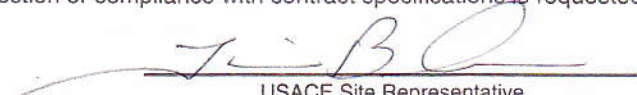
CONTRACT NUMBER: W912DY-04-D-0006      PROJECT LOCATION:

DO #: 0007      CAMP BUTNER, NC

- SUBJECT ITEM(S) (Check all that apply):
- Work Plan
  - Quality Control
  - Safety Violation
  - Other
  - Safety Comments

DESCRIPTION: The following properties have passed a government QA inspection:  
1093 Bourbon ST (UNIT 10-6); 1091 Bourbon ST (unit 10-7); 1089 Bourbon ST (unit 10-8); 1090 Bourbon ST (UNIT 10-9); 1088 Bourbon ST (unit 10-10) /  
— NOTHING FOLLOWS —

Prompt correction or compliance with contract specifications is requested.

  
USACE Site Representative

RECEIPT ACKNOWLEDGED:   
Contractor's Representative

ACTION TAKEN:



U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE  
ORDNANCE AND EXPLOSIVE GROUP  
MEMO

TO: USA Environmental      DATE: 7-27-10      TIME: 1600

CONTRACT NUMBER: W912DY-04-D-0006      PROJECT LOCATION:

DO #: 0007      Camp Butler, NC

- SUBJECT ITEM(S) (Check all that apply):
- Work Plan
  - Safety Violation
  - Safety Comments
  - Quality Control
  - Other

DESCRIPTION: The following properties have passed a govt QA inspection  
1114 Roberts Chapel RD (UNIT 11-2)  
1058 Wildlife DR (UNIT 11-9)  
/ NOTHING FOLLOWS /

Prompt correction or compliance with contract specifications is requested.

  
USACE Site Representative

RECEIPT ACKNOWLEDGED:   
Contractor's Representative

ACTION TAKEN:

**U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE  
ORDNANCE AND EXPLOSIVE GROUP  
MEMO**

<b>TO:</b> USA Environmental	<b>DATE:</b> 8-2-10	<b>TIME:</b> 1630
---------------------------------	------------------------	----------------------

<b>CONTRACT NUMBER:</b> W912DY-04-D-0006	<b>PROJECT LOCATION:</b>
---	--------------------------

<b>DO #:</b> 0007	Camp Butler, NC
----------------------	-----------------

- SUBJECT ITEM(S)** (Check all that apply):
- |   |   |
|---|---|
| <input type="checkbox"/> Work Plan        | <input checked="" type="checkbox"/> Quality Control |
| <input type="checkbox"/> Safety Violation | <input type="checkbox"/> Other                      |
| <input type="checkbox"/> Safety Comments  |   |

**DESCRIPTION:** The following properties have passed a gov't QA inspection:  
1044 Eron Rd (UNIT 11-1) &  
1061 Wildlife Dr (UNIT 12-3)  
← NOTHING FOLLOWS →

Prompt correction or compliance with contract specifications is requested.

  
USACE Site Representative

**RECEIPT ACKNOWLEDGED:**   
Contractor's Representative

**ACTION TAKEN:**

U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE  
ORDNANCE AND EXPLOSIVE GROUP  
MEMO

TO: USA Environmental      DATE: 8/3/10      TIME: 1630

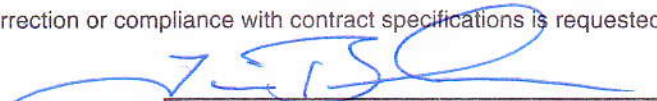
CONTRACT NUMBER: W912DY-04-D-0006      PROJECT LOCATION:

DO #: 0007      Camp Butner, NC

- SUBJECT ITEM(S) (Check all that apply):
- Work Plan
  - Quality Control
  - Safety Violation
  - Other
  - Safety Comments

DESCRIPTION: The following properties have passed a govt QA inspection  
1062 Wildlife DR (UNIT 11-10)  
1064 Wildlife DR (UNIT 12-7)  
~~NOTHING FOLLOWS~~

Prompt correction or compliance with contract specifications is requested.

  
USACE Site Representative

RECEIPT ACKNOWLEDGED:   
Contractor's Representative

ACTION TAKEN:

U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE  
ORDNANCE AND EXPLOSIVE GROUP  
MEMO

TO: USA Environmental      DATE: 8-4-10      TIME: 1615

CONTRACT NUMBER: W912DY-04-D-0006      PROJECT LOCATION:

DO #: 0007      Camp Butler, NC

- SUBJECT ITEM(S) (Check all that apply):
- Work Plan
  - Safety Violation
  - Safety Comments
  - Quality Control
  - Other

DESCRIPTION: The following properties have passed a govt QA inspection:  
1065 Wildlife Dr (unit 12-1) —  
1068 Wildlife Dr (unit 11-8) —  
← NOTHING FOLLOWS →

Prompt correction or compliance with contract specifications is requested.

  
USACE Site Representative

RECEIPT ACKNOWLEDGED:   
Contractor's Representative

ACTION TAKEN:

U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE  
ORDNANCE AND EXPLOSIVE GROUP  
MEMO

TO: USA Environmental      DATE: 8-9-10      TIME: 1100

CONTRACT NUMBER: W912DY-04-D-0006      PROJECT LOCATION:

DO #: 0007      Camp Butler, NC

- SUBJECT ITEM(S) (Check all that apply):
- Work Plan
  - Quality Control
  - Safety Violation
  - Other
  - Safety Comments

DESCRIPTION: The following property has passed a govt QA inspection:  
1072 Wildlife Dr (Unit 11-2)  
/— NOTHING FOLLOWS —/

Prompt correction or compliance with contract specifications is requested.

  
USACE Site Representative

RECEIPT ACKNOWLEDGED:   
Contractor's Representative

ACTION TAKEN:

U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE  
ORDNANCE AND EXPLOSIVE GROUP  
MEMO

TO: USA EDV. DATE: 8-10-10 TIME: 1645

CONTRACT NUMBER: W912DY-04-D-0006 PROJECT LOCATION:

DO #: 0007 CAMP Butner, NC

- SUBJECT ITEM(S) (Check all that apply):
- Work Plan
  - Quality Control
  - Safety Violation
  - Other
  - Safety Comments

DESCRIPTION: The following property has passed a gov't QA inspection:  
1074 Wildlife Dr. (Unit 11-6)  
— NOTHING FOLLOWS —

Prompt correction or compliance with contract specifications is requested.

  
USACE Site Representative

RECEIPT ACKNOWLEDGED:   
Contractor's Representative

ACTION TAKEN:

U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE  
ORDNANCE AND EXPLOSIVE GROUP  
MEMO

TO: USA Env Inc.      DATE: 8-11-10      TIME: 1620

CONTRACT NUMBER: W912DY-04-D-0006      PROJECT LOCATION: NTCRA

DO #: 0007      Camp Butler, NC

- SUBJECT ITEM(S) (Check all that apply):
- Work Plan
  - Quality Control
  - Safety Violation
  - Other
  - Safety Comments

DESCRIPTION: The following property has passed a govt QA Inspection:  
1077 Wildlife DR (UNIT 126)  
— NOTHING FOLLOWS —

Prompt correction or compliance with contract specifications is requested.

  
USACE Site Representative

RECEIPT ACKNOWLEDGED:   
Contractor's Representative

ACTION TAKEN:

U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE  
ORDNANCE AND EXPLOSIVE GROUP  
MEMO

TO: USA Env. Inc  
DATE: 8-12-10  
TIME: 1530

CONTRACT NUMBER: W912-DY-04-D-006  
PROJECT LOCATION: NTCRA

DO #: 0007  
CAMP BUTNER, NC

SUBJECT ITEM(S) (Check all that apply):  
 Work Plan  
 Quality Control  
 Safety Violation  
 Other  
 Safety Comments

DESCRIPTION: The following properties have passed a good QA Insp:  
1067 Wildlife DR (unit 12-2)  
1078 Wildlife DR (unit 11-5)  
NOTHING FOLLOWS

Prompt correction or compliance with contract specifications is requested.

  
USACE Site Representative

RECEIPT ACKNOWLEDGED:   
Contractor's Representative

ACTION TAKEN:



U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE  
ORDNANCE AND EXPLOSIVE GROUP  
MEMO

TO: USA Env. Inc DATE: 8-16-10 TIME: 1645

CONTRACT NUMBER: W912DY-04-D-0006 PROJECT LOCATION: NTCRA Camp Butler  
DO #: 0007

- SUBJECT ITEM(S) (Check all that apply):
- Work Plan
  - Safety Violation
  - Safety Comments
  - Quality Control
  - Other

DESCRIPTION: The following property has passed a govt QA inspection — 1082 Wildlife DR (unit 4-4) — NOTHING FOLLOWS —

Prompt correction or compliance with contract specifications is requested.

USACE Site Representative  
*[Signature]*

RECEIPT ACKNOWLEDGED: *[Signature]*  
Contractor's Representative

ACTION TAKEN:

U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE  
ORDNANCE AND EXPLOSIVE GROUP  
MEMO

TO: USA Env. Inc DATE: 8-17-10 TIME: 1615

CONTRACT NUMBER: W912DY-04-D-0006 PROJECT LOCATION: NTCRA  
DO #: 0007 Camp Butner, NC


SUBJECT ITEM(S)

(Check all that apply):

- Work Plan
- Quality Control
- Safety Violation
- Other
- Safety Comments

DESCRIPTION: The following property has passed a govt QA inspection: 1086 Wildlife Dr (unit 12-5) - NOTHING Follows -

Prompt correction or compliance with contract specifications is requested.

  
USACE Site Representative

RECEIPT ACKNOWLEDGED:   
Contractor's Representative

ACTION TAKEN:

U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE  
ORDNANCE AND EXPLOSIVE GROUP  
MEMO

TO: USA Env, Inc DATE: 8-19-10 TIME: 1610

CONTRACT NUMBER: W912DY-04-D-0006 PROJECT LOCATION: 1XTCRA

DO #: 0007 CAMP Butler, NC

- SUBJECT ITEM(S) (Check all that apply):
- Work Plan
  - Quality Control
  - Safety Violation
  - Other
  - Safety Comments

DESCRIPTION: The following properties have passed a govt QA inspection:  
195 Eron RD (Unit 4-1); 193 Eron RD (Unit 4-2); 1086 Roberts Chapel RD (Unit 11-3); 1076 Wildlife DR (Unit 12-4) - NOTHING FOLLOWS -

Prompt correction or compliance with contract specifications is requested.

  
USACE Site Representative

RECEIPT ACKNOWLEDGED:   
Contractor's Representative

ACTION TAKEN:

U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE  
ORDNANCE AND EXPLOSIVE GROUP  
MEMO

TO: USA Environmental      DATE: 8-24-10      TIME: 1620

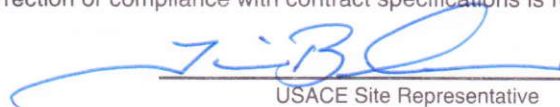
CONTRACT NUMBER: W912DY-04-D-0006      PROJECT LOCATION: NTCRA

DO #: 0007      Camp Butler, NC

- SUBJECT ITEM(S) (Check all that apply):
- Work Plan
  - Safety Violation
  - Safety Comments
  - Quality Control
  - Other

DESCRIPTION: The following property has passed a govt QA inspection —  
3542 Saddle Ridge RD (Unit 12-10)  
— NOTHING FOLLOWS —

Prompt correction or compliance with contract specifications is requested.

  
USACE Site Representative

RECEIPT ACKNOWLEDGED:   
Contractor's Representative

ACTION TAKEN:

U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE  
ORDNANCE AND EXPLOSIVE GROUP  
MEMO

TO: USA Environmental      DATE: 8-25-10      TIME: 1615

CONTRACT NUMBER: W912DY-04-D-0006      PROJECT LOCATION: NTCRA

DO #: 0007      Camp Butler, NC

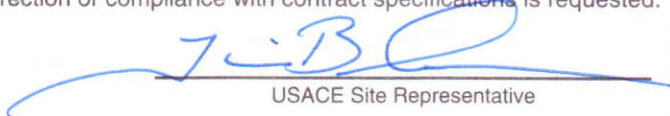
SUBJECT ITEM(S)

(Check all that apply):

- Work Plan
- Quality Control
- Safety Violation
- Other
- Safety Comments

DESCRIPTION: The following properties have passed a govt QA inspection:  
1081 WILD BRIER LN (UNIT 12-8)  
1080 WILD BRIER LN (UNIT 12-9)  
/— NOTHING FOLLOWS —/

Prompt correction or compliance with contract specifications is requested.

  
USACE Site Representative

RECEIPT ACKNOWLEDGED:   
Contractor's Representative

ACTION TAKEN:

**U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE  
ORDNANCE AND EXPLOSIVE GROUP  
MEMO**

<b>TO:</b> USA Env.	<b>DATE:</b> 8-25-10	<b>TIME:</b> 1600
------------------------	-------------------------	----------------------

<b>CONTRACT NUMBER:</b> W912DY-04-D-0006	<b>PROJECT LOCATION:</b> NTCRA
---	-----------------------------------

<b>DO #:</b> 0007	CAMP BUTNER, NC
----------------------	-----------------

- SUBJECT ITEM(S)** (Check all that apply):
- Work Plan
  - Quality Control
  - Safety Violation
  - Other
  - Safety Comments

**DESCRIPTION:** The following property has passed a govt QA inspection:  
4144 Blue Creek RD (UNIT 13-8)  
NOTHING FOLLOWS

Prompt correction or compliance with contract specifications is requested.

  
USACE Site Representative

**RECEIPT ACKNOWLEDGED:**   
Contractor's Representative

**ACTION TAKEN:**

U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE  
ORDNANCE AND EXPLOSIVE GROUP  
MEMO

TO: USA Environmental      DATE: 8/31/10      TIME: 1400

CONTRACT NUMBER: W912DY-04-D-0006      PROJECT LOCATION: NTCRA

DO #: 0007      CAMP Butler, NC

- SUBJECT ITEM(S) (Check all that apply):
- Work Plan
  - Quality Control
  - Safety Violation
  - Other
  - Safety Comments

DESCRIPTION: The following properties have passed a govt QA inspection:  
11014 RANGE RD (UNIT 4-9)  
90 George Harris Rd (UNIT 4-10)  
1 - NOTHING FOLLOWS -

Prompt correction or compliance with contract specifications is requested.

  
USACE Site Representative

RECEIPT ACKNOWLEDGED:   
Contractor's Representative

ACTION TAKEN:

U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE  
ORDNANCE AND EXPLOSIVE GROUP  
MEMO

TO: USA Env. Inc  
DATE: 9-1-10  
TIME: 1615

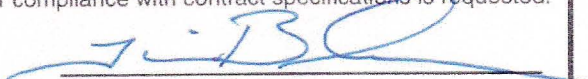
CONTRACT NUMBER: W912DY-04-D-0006  
PROJECT LOCATION: NTCRA

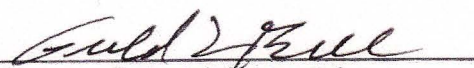
DO #: 0007  
CAMP Butner INC

- SUBJECT ITEM(S) (Check all that apply):
- Work Plan
  - Quality Control
  - Safety Violation
  - Other
  - Safety Comments

DESCRIPTION: The following property has passed a govt QA inspection: 4-7  
11158 RANGE ROAD (UNIT ~~0000~~)  
← NOTHING FOLLOWS ~~YES~~

Prompt correction or compliance with contract specifications is requested.

  
USACE Site Representative

RECEIPT ACKNOWLEDGED:   
Contractor's Representative

ACTION TAKEN:



U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE  
ORDNANCE AND EXPLOSIVE GROUP  
MEMO

TO: USA ENV. Inc      DATE: 9-7-10      TIME: 1600

CONTRACT NUMBER: W912DY-04-D-0006      PROJECT LOCATION: NTCRA

DO #: 0007      CAMP Butler, AL

- SUBJECT ITEM(S) (Check all that apply):
- Work Plan
  - Safety Violation
  - Safety Comments
  - Quality Control
  - Other

DESCRIPTION: The following property has passed a govt QA insp: 1112 Enon Rd (UNIT 13-6) / NOTHING FOLLOWS /

Prompt correction or compliance with contract specifications is requested.

  
USACE Site Representative

RECEIPT ACKNOWLEDGED:   
Contractor's Representative

ACTION TAKEN:

U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE  
ORDNANCE AND EXPLOSIVE GROUP  
MEMO

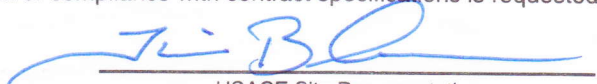
TO: USA Env Tnc      DATE: 9-9-10      TIME: 1630

CONTRACT NUMBER: W912DY-04-D-0006      PROJECT LOCATION: NTCRA  
DO #: 0007      CAMP Butler, NC

- SUBJECT ITEM(S) (Check all that apply):
- Work Plan
  - Safety Violation
  - Safety Comments
  - Quality Control
  - Other

DESCRIPTION: The following property has passed a govt QA inspection:  
89 George Harris RD (unit 4-8)  
~~NOTHING FOLLOWS~~

Prompt correction or compliance with contract specifications is requested.

  
USACE Site Representative

RECEIPT ACKNOWLEDGED:   
Contractor's Representative

ACTION TAKEN:

U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE  
ORDNANCE AND EXPLOSIVE GROUP  
MEMO

TO: USA ENV. INC DATE: 9-10-10 TIME: 1700

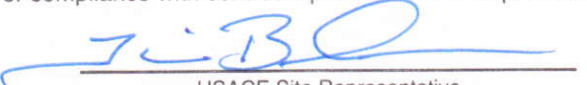
CONTRACT NUMBER: W912DY-04-D-0006 PROJECT LOCATION: NTCRA


DO #: 0007 CAMP Butler, NC

- SUBJECT ITEM(S) (Check all that apply):
- Work Plan
  - Quality Control
  - Safety Violation
  - Other
  - Safety Comments

DESCRIPTION: The following properties have passed a govt QA inspection:  
1041 ENON RD (UNIT 4-3)  
1043 ENON RD (UNIT 4-4)  
1049 ENON RD (UNIT 4-5)  
/— NOTHING FOLLOWS —/

Prompt correction or compliance with contract specifications is requested.

  
USACE Site Representative

RECEIPT ACKNOWLEDGED:   
Contractor's Representative

ACTION TAKEN:

U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE  
ORDNANCE AND EXPLOSIVE GROUP  
MEMO

TO: USA ENV. INC DATE: 9-15-10 TIME: 1630

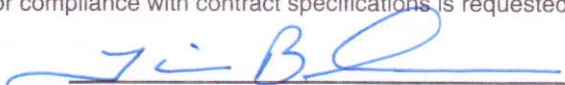
CONTRACT NUMBER: W912DY-04-D-0006 PROJECT LOCATION: NTCRA


DO #: 0007 CAMP Butler, NC

- SUBJECT ITEM(S) (Check all that apply):
- Work Plan
  - Quality Control
  - Safety Violation
  - Other
  - Safety Comments

DESCRIPTION: The following property has passed a govt QA inspection:  
1319 BEREA RD (UNIT 4-6) —  
— NOTHING FOLLOWS —

Prompt correction or compliance with contract specifications is requested.

  
USACE Site Representative

RECEIPT ACKNOWLEDGED:   
Contractor's Representative

ACTION TAKEN:

U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE  
ORDNANCE AND EXPLOSIVE GROUP  
MEMO

TO: USA Env. Inc DATE: 9/20/10 TIME: 1640

CONTRACT NUMBER: W912DY-04-D-0006 PROJECT LOCATION: NTCRA  
DO #: 0007 CAMP Butler, NC

- SUBJECT ITEM(S) (Check all that apply):
- Work Plan
  - Quality Control
  - Safety Violation
  - Other
  - Safety Comments

DESCRIPTION: The following property has passed a gVA QA inspection —  
501 Eron Rd (Unit 5-1) —  
— NOTHING FOLLOWS —

Prompt correction or compliance with contract specifications is requested.

  
USACE Site Representative

RECEIPT ACKNOWLEDGED:   
Contractor's Representative

ACTION TAKEN:

U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE  
ORDNANCE AND EXPLOSIVE GROUP  
MEMO

TO: USAE INC.      DATE: 9-23-10      TIME: 1300

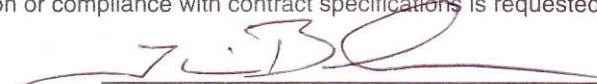
CONTRACT NUMBER: W912DY-04-D-0006      PROJECT LOCATION: NTCRA

DO #: 0007      CAMP BUTNER, NC

- SUBJECT ITEM(S) (Check all that apply):
- Work Plan
  - Quality Control
  - Safety Violation
  - Other
  - Safety Comments

DESCRIPTION: The following properties have passed a govt QA inspection.  
1741 Berea RD (UNIT 5-6)  
1715 Berea RD (UNIT 5-7)  
— NOTHING FOLLOWS —

Prompt correction or compliance with contract specifications is requested.

  
USACE Site Representative

RECEIPT ACKNOWLEDGED:   
Contractor's Representative

ACTION TAKEN:

U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE  
ORDNANCE AND EXPLOSIVE GROUP  
MEMO

TO: USA Environmental DATE: 10/04/10 TIME: 1500

CONTRACT NUMBER: W9124-04-D-0006 PROJECT LOCATION:

DO #: 0007 Cp Butner, NC

- SUBJECT ITEM(S) (Check all that apply):
- Work Plan
  - Quality Control
  - Safety Violation
  - Other
  - Safety Comments

DESCRIPTION: The following properties have passed a government QA inspection 888 George Harris Rd (unit 5-2), 267 George Harris Rd (unit 5-3), 531 Bereard Rd (unit 5-9), 1715 B Bereard Rd (unit 5-10), 1077 Euron Rd (unit 5-8), 347 Bethany Rd (unit 4), 8412 Range Rd (unit 13-9) / ~~Nothing follows~~

Prompt correction or compliance with contract specifications is requested.

Hank Counts  
USACE Site Representative

RECEIPT ACKNOWLEDGED: Gildy Bell  
Contractor's Representative

ACTION TAKEN:

U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE  
ORDNANCE AND EXPLOSIVE GROUP  
MEMO

TO: USA Environmental, Inc. DATE: 6 OCT 10 TIME: 1500

CONTRACT NUMBER: W912DY-04-D-0006 PROJECT LOCATION: Cp Butler, NC  
DO #: 0007

- SUBJECT ITEM(S) (Check all that apply):
- Work Plan
  - Safety Violation
  - Safety Comments
  - Quality Control
  - Other

DESCRIPTION: The following properties have passed a government QA inspection:  
5067 Range Rd (Unit 6-1), 5071 Range Rd (Unit 6-2), 5073 Range Rd (Unit 6-3)  
~~Nothing follows~~

Prompt correction or compliance with contract specifications is requested.

*Hamp Counts*  
USACE Site Representative

RECEIPT ACKNOWLEDGED: *Gulf L Bull*  
Contractor's Representative

ACTION TAKEN:



**U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE  
ORDNANCE AND EXPLOSIVE GROUP  
MEMO**

<b>TO:</b> USA Environmental Inc	<b>DATE:</b> 17 OCT 10	<b>TIME:</b> 1200
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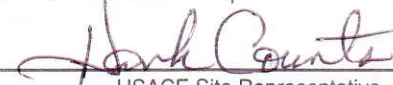
<b>CONTRACT NUMBER:</b> W912DY-04-D-0016	<b>PROJECT LOCATION:</b>
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<b>DO #:</b> 0007	Cp Butler, NC
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- SUBJECT ITEM(S)** (Check all that apply):
- |   |   |
|---|---|
| <input type="checkbox"/> Work Plan        | <input checked="" type="checkbox"/> Quality Control |
| <input type="checkbox"/> Safety Violation | <input type="checkbox"/> Other                      |
| <input type="checkbox"/> Safety Comments  |   |

**DESCRIPTION:** The following properties have passed a government QA Inspection:  
4669 Range Rd (unit 5-5); 5075 Range Rd (unit 6-4); 5079 Range Rd (unit 6-5) 1-1  
Nothing follows

Prompt correction or compliance with contract specifications is requested.

  
USACE Site Representative

**RECEIPT ACKNOWLEDGED:**   
Contractor's Representative

**ACTION TAKEN:**

U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE  
ORDNANCE AND EXPLOSIVE GROUP  
MEMO

TO: USA Environmental, Inc  
DATE: 11 OCT 10  
TIME: 1500

CONTRACT NUMBER: W912DY-04-D-0000  
PROJECT LOCATION: Cp Butler, NC  
DO #: 0007

- SUBJECT ITEM(S) (Check all that apply):
- Work Plan
  - Safety Violation
  - Safety Comments
  - Quality Control
  - Other

DESCRIPTION: The following properties have passed a government QA Inspection: 5201 Range Rd (Unit 6-8), 5203 Range Rd (Unit 6-9).  
~~Nothing follows.~~

Prompt correction or compliance with contract specifications is requested.

*Hank Counts*  
USACE Site Representative

RECEIPT ACKNOWLEDGED *[Signature]*  
Contractor's Representative

ACTION TAKEN:

**U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE  
ORDNANCE AND EXPLOSIVE GROUP  
MEMO**

<b>TO:</b> USA Environmental, Inc	<b>DATE:</b> 12 OCT 10	<b>TIME:</b> 1500
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<b>CONTRACT NUMBER:</b> W912DY-04-D-0006	<b>PROJECT LOCATION:</b>
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<b>DO #:</b> 0007	Cp Butner, NC
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- SUBJECT ITEM(S)** (Check all that apply):
- Work Plan
  - Quality Control
  - Safety Violation
  - Other
  - Safety Comments

**DESCRIPTION:** The following property passed a government QA Inspection 1026 Enon Rd (unit 13-5) |  
Nothing follows |

Prompt correction or compliance with contract specifications is requested.

Frank Counts  
USACE Site Representative

**RECEIPT ACKNOWLEDGED:** Guild & Kull  
Contractor's Representative

**ACTION TAKEN:**

U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE  
ORDNANCE AND EXPLOSIVE GROUP  
MEMO

TO: USA Environmental      DATE: 13 OCT 10      TIME: 1600

CONTRACT NUMBER: W912DY-04-D-0006      PROJECT LOCATION:

DO #: 0007      Cp Butner, NC

- SUBJECT ITEM(S) (Check all that apply):
- Work Plan
  - Quality Control
  - Safety Violation
  - Other
  - Safety Comments

DESCRIPTION: The following properties have passed a government QA inspection  
580 A&W Bowling Rd (Unit 6-10), 61 A&W Bowling Rd (Unit 7-2)  
~~Nothing follows~~

Prompt correction or compliance with contract specifications is requested.

Hank Counts  
USACE Site Representative

RECEIPT ACKNOWLEDGED: Carl H Bell  
Contractor's Representative

ACTION TAKEN:

**U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE  
ORDNANCE AND EXPLOSIVE GROUP  
MEMO**

<b>TO:</b> USA Environmental	<b>DATE:</b> 18 OCT 10	<b>TIME:</b> 1615
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<b>CONTRACT NUMBER:</b> W912DY-04-D-0006	<b>PROJECT LOCATION:</b>
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<b>DO #:</b> 0007	Cp Butner, NC
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- SUBJECT ITEM(S)** (Check all that apply):
- Work Plan
  - Quality Control
  - Safety Violation
  - Other
  - Safety Comments

**DESCRIPTION:** The following property passed a government QA inspection: 655 Bethel Church Rd (unit 7-1)  
~~Nothing follows~~

Prompt correction or compliance with contract specifications is requested.

*Hank Counts*   
USACE Site Representative

**RECEIPT ACKNOWLEDGED:**  *Guld S Ford*   
Contractor's Representative

**ACTION TAKEN:**

U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE  
ORDNANCE AND EXPLOSIVE GROUP  
MEMO

TO: USA Environmental      DATE: 21 OCT 10      TIME: 1500

CONTRACT NUMBER: W912DY-04-D-0006      PROJECT LOCATION:

DO #: 0007      Cp Butler, NC

- SUBJECT ITEM(S) (Check all that apply):
- Work Plan
  - Quality Control
  - Safety Violation
  - Other
  - Safety Comments

DESCRIPTION: The following properties have ~~passed~~ a government QA Inspection:  
5087 Range Rd (Unit 6-6), 5097 Rangerd  
(Unit 6-7), 176 Frow Rd (Unit B-2) |  
| Nothing follows |

Prompt correction or compliance with contract specifications is requested.

Frank Counts  
USACE Site Representative

RECEIPT ACKNOWLEDGED: Gould E. R. M.  
Contractor's Representative

ACTION TAKEN:

U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE  
ORDNANCE AND EXPLOSIVE GROUP  
MEMO

TO: USA Environmental / DATE: 26 OCT 10 TIME: 1100

CONTRACT NUMBER: W912DY-04-D-0006 PROJECT LOCATION:

DO #: 0007 Cp Butler, NC

- SUBJECT ITEM(S) (Check all that apply):
- Work Plan
  - Quality Control
  - Safety Violation
  - Other
  - Safety Comments

DESCRIPTION: The following properties have passed a government QA Inspection:  
1119 Bowling MTN Rd (Unit 14-1), 1133 1-1  
Bowling MTN Rd (Unit 14-2) 1-1  
Nothing follows

Prompt correction or compliance with contract specifications is requested.

*Harf Counts*  
USACE Site Representative

RECEIPT ACKNOWLEDGED: *Carol W. [Signature]*  
Contractor's Representative

ACTION TAKEN:





U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE  
ORDNANCE AND EXPLOSIVE GROUP  
MEMO

TO: USA Environmental, Inc  
DATE: 1 NOV 10  
TIME: 1500

CONTRACT NUMBER:  
W912DY-04-D-0006

PROJECT LOCATION:

DO #:  
0007

Cp Butler, NC

SUBJECT ITEM(S)

(Check all that apply):

- Work Plan
- Quality Control
- Safety Violation
- Other
- Safety Comments

DESCRIPTION: The following properties  
have passed a government QA inspection  
1119 Fawn Rd (Unit 7-5), 4093 Range Rd  
(Unit 14-3)

~~Nothing follows~~

Prompt correction or compliance with contract specifications is requested.

*Mark Gentry*  
USACE Site Representative

RECEIPT ACKNOWLEDGED: *Gail J. Rose*  
Contractor's Representative

ACTION TAKEN:

U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE  
ORDNANCE AND EXPLOSIVE GROUP  
MEMO

TO: USA Environmental (TIC) DATE: 2 NOV 10 TIME: 1430

CONTRACT NUMBER: W912DY-04-D-0006 PROJECT LOCATION:

DO #: 0007 Cp Butner, NC

- SUBJECT ITEM(S) (Check all that apply):
- Work Plan
  - Quality Control
  - Safety Violation
  - Other
  - Safety Comments

DESCRIPTION: The following property has passed a government QA inspection:  
1000 Fate - Washington Rd (UNIT 13-10)  
~~Nothing follows~~

Prompt correction or compliance with contract specifications is requested.

*Hank Counts*  
USACE Site Representative

RECEIPT ACKNOWLEDGED: *[Signature]*  
Contractor's Representative

ACTION TAKEN:

U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE  
ORDNANCE AND EXPLOSIVE GROUP  
MEMO

TO: USA Environmental INC 3 NOV 10 1500  
DATE: TIME:

CONTRACT NUMBER: W912DY-04-D-0006 PROJECT LOCATION:

DO #: 0007 Cp Butner

SUBJECT ITEM(S) (Check all that apply):  
 Work Plan  Quality Control  
 Safety Violation  Other  
 Safety Comments

DESCRIPTION: The following properties have passed a government QA Inspection:  
5315 Isham-chambers Rd (Unit 13-4),  
4559 Sugar Maple Rd (Unit 7-8), 4543  
Sugar Maple Rd (Unit 8-5)

Prompt correction or compliance with contract specifications is requested.

Hank Counts  
USACE Site Representative

RECEIPT ACKNOWLEDGED: Gail Egan  
Contractor's Representative

ACTION TAKEN:

**U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE  
ORDNANCE AND EXPLOSIVE GROUP  
MEMO**

<b>TO:</b> USA Environmental/ JPL	<b>DATE:</b> 9 NOV 10	<b>TIME:</b> 1230
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<b>CONTRACT NUMBER:</b> W912DY-04-D-0006	<b>PROJECT LOCATION:</b> CP Butler, NC
<b>DO #:</b> 0007	

**SUBJECT ITEM(S)** (Check all that apply):

<input type="checkbox"/> Work Plan	<input checked="" type="checkbox"/> Quality Control
<input type="checkbox"/> Safety Violation	<input type="checkbox"/> Other
<input type="checkbox"/> Safety Comments	

**DESCRIPTION:** The following property has passed a government QA inspection at 5447 Range Rd (Unit 7-4). Nothing follows.

Prompt correction or compliance with contract specifications is requested.

Mark Counts  
USACE Site Representative

**RECEIPT ACKNOWLEDGED:** Gull 2 Bull  
Contractor's Representative

**ACTION TAKEN:**

U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE  
ORDNANCE AND EXPLOSIVE GROUP  
MEMO

TO: USA Environmental, INC      DATE: 8 NOV 10      TIME: 1100

CONTRACT NUMBER: W912DY-04-D-0006      PROJECT LOCATION: Cp Butner, NC  
DO #: 0007

SUBJECT ITEM(S) (Check all that apply):  
 Work Plan       Quality Control  
 Safety Violation       Other  
 Safety Comments

DESCRIPTION: The following properties have passed a government QA inspection @ 4547 Sugar Maple (Unit 8-4), 4555 Sugar Maple (Unit 8-6).  
~~Nothing follows~~

Prompt correction or compliance with contract specifications is requested.  
Hank Coen      USACE Site Representative

RECEIPT ACKNOWLEDGED: Gail [Signature]  
Contractor's Representative

ACTION TAKEN:

U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE  
ORDNANCE AND EXPLOSIVE GROUP  
MEMO

TO: USA Environmental, Inc 10 NOV 10 1400  
DATE: TIME:

CONTRACT NUMBER: W912DY-04-D-0006 PROJECT LOCATION:

DO #: 0007 Cp Butner, NC

- SUBJECT ITEM(S) (Check all that apply):
- Work Plan
  - Quality Control
  - Safety Violation
  - Other
  - Safety Comments

DESCRIPTION: The following properties have passed a government QA inspection:  
4551 Sugar Maple Rd (Unit 7-10), 4335  
Sugar Maple Rd (Unit 8-9)  
~~Working follows~~

Prompt correction or compliance with contract specifications is requested.

Hank Counts  
USACE Site Representative

RECEIPT ACKNOWLEDGED: Gail J Bell  
Contractor's Representative

ACTION TAKEN:

**U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE  
ORDNANCE AND EXPLOSIVE GROUP  
MEMO**

<b>TO:</b> USA Environmental	<b>DATE:</b> 11 NOV 10	<b>TIME:</b> 1500
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<b>CONTRACT NUMBER:</b> W912DY-04-D-0006	<b>PROJECT LOCATION:</b> Cd Butler
<b>DO #:</b> 0007	

- SUBJECT ITEM(S)** (Check all that apply):
- Work Plan
  - Quality Control
  - Safety Violation
  - Other
  - Safety Comments

**DESCRIPTION:** The following properties have passed a government QA inspection: 4533 Sugar Maple Rd (Unit 3-2) 4539 Sugar Maple Rd (Unit 7-7) 1084 Fate-Washington Rd (Unit 14-7) 1094 Roberts Chapel Rd (Unit 13-1)  
Nothing follows

Prompt correction or compliance with contract specifications is requested.

Hank Counts  
USACE Site Representative

**RECEIPT ACKNOWLEDGED:** Gull H. Full  
Contractor's Representative

**ACTION TAKEN:**

**U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE  
ORDNANCE AND EXPLOSIVE GROUP  
MEMO**

<b>TO:</b> USA ENVIRONMENTAL, INC	<b>DATE:</b> 16 Nov 10	<b>TIME:</b> 1000
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<b>CONTRACT NUMBER:</b> W912DY-04-D-0006	<b>PROJECT LOCATION:</b>
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<b>DO #:</b> 0007	Cop Botner, NE
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- SUBJECT ITEM(S)** (Check all that apply):
- |   |   |
|---|---|
| <input type="checkbox"/> Work Plan        | <input checked="" type="checkbox"/> Quality Control |
| <input type="checkbox"/> Safety Violation | <input type="checkbox"/> Other                      |
| <input type="checkbox"/> Safety Comments  |   |

**DESCRIPTION:** The following properties have passed a government QA inspection:  
4536 Sugar Maple Rd (Unit 7-3), 4540 Sugar Maple Rd (Unit 8-3)  
Nothing follows

Prompt correction or compliance with contract specifications is requested.

  
USACE Site Representative

**RECEIPT ACKNOWLEDGED:**   
Contractor's Representative

**ACTION TAKEN:**



**U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE  
ORDNANCE AND EXPLOSIVE GROUP  
MEMO**

<b>TO:</b> USA Environmental	<b>DATE:</b> 17 NOV 10	<b>TIME:</b> 1615
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<b>CONTRACT NUMBER:</b> W912DY-04-D-0000	<b>PROJECT LOCATION:</b> Co Butler
<b>DO #:</b> 0007	

- SUBJECT ITEM(S)** (Check all that apply):
- Work Plan
  - Quality Control
  - Safety Violation
  - Other
  - Safety Comments

**DESCRIPTION:** The following properties have passed a government QA inspection: 4525 Sugar Maple Rd (Unit 8-1), 4521 Sugar Maple Rd (Unit 8-2), 4567 Sugar Maple Rd (Unit 8-8), 4599 Sugar Maple Rd (Unit 8+10), 1096 Fort Washington Rd (Unit 14-8), ~~Washington~~

Prompt correction or compliance with contract specifications is requested.

Hank Counts  
USACE Site Representative

**RECEIPT ACKNOWLEDGED:** Gold Full  
Contractor's Representative

**ACTION TAKEN:**

**U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE  
ORDNANCE AND EXPLOSIVE GROUP  
MEMO**

<b>TO:</b> USA Environmental, Inc	<b>DATE:</b> 18 Nov 10	<b>TIME:</b> 0900
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<b>CONTRACT NUMBER:</b> W912DY-04-D-0006	<b>PROJECT LOCATION:</b>
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<b>DO #:</b> 0007	Cp, Butler NC
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- SUBJECT ITEM(S)** (Check all that apply):
- |   |   |
|---|---|
| <input type="checkbox"/> Work Plan        | <input checked="" type="checkbox"/> Quality Control |
| <input type="checkbox"/> Safety Violation | <input type="checkbox"/> Other                      |
| <input type="checkbox"/> Safety Comments  |   |

**DESCRIPTION:** The following property passed a government QA inspection: 1102 Fate-Washington Rd (Unit 14-5) ~~Nothing follows~~

Prompt correction or compliance with contract specifications is requested.

Hank Counts  
USACE Site Representative

**RECEIPT ACKNOWLEDGED:** Cecil J. [Signature]  
Contractor's Representative

**ACTION TAKEN:**

U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE  
ORDNANCE AND EXPLOSIVE GROUP  
MEMO

TO: USA Environmental Inc DATE: 22 Nov 10 TIME: 1600

CONTRACT NUMBER: W912DY-04-D-0006 PROJECT LOCATION:

DO #: 0007 Cp Buxton

- SUBJECT ITEM(S) (Check all that apply):
- Work Plan
  - Quality Control
  - Safety Violation
  - Other
  - Safety Comments

DESCRIPTION: The following properties passed  
A government QA inspection: 4532 Sugar  
Maple Rd (Unit 7-6), 4528 Sugar Maple Rd  
(Unit 7-9), 4149 Crown Oaks (Unit 13-2) &  
~~Nothing follows~~

Prompt correction or compliance with contract specifications is requested.

Mark Counts  
USACE Site Representative

RECEIPT ACKNOWLEDGED: Gould & Full  
Contractor's Representative

ACTION TAKEN:

U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE  
ORDNANCE AND EXPLOSIVE GROUP  
MEMO

TO: USA Environmental, Inc. DATE: 29 Nov 10 TIME: 1230

CONTRACT NUMBER: W912DY-04-D-0006 PROJECT LOCATION:

DO #: 0007 Cp Butner, NC

- SUBJECT ITEM(S) (Check all that apply):
- Work Plan
  - Quality Control
  - Safety Violation
  - Other
  - Safety Comments

DESCRIPTION: The following properties passed a government QA inspection:  
4139 Blue Mountain Rd (Unit 14-9) 4139A  
Blue Mountain Rd (Unit 14-10) |  
| Nothing follows |

Prompt correction or compliance with contract specifications is requested.

Mark Counts  
USACE Site Representative

RECEIPT ACKNOWLEDGED: Gail Spaul  
Contractor's Representative

ACTION TAKEN:

U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE  
ORDNANCE AND EXPLOSIVE GROUP  
MEMO

TO: USA Environmental / ~~NO~~ ~~3 Dec 10~~ DATE: TIME: 0930

CONTRACT NUMBER: W912DY-04-D-0006 PROJECT LOCATION:

DO #: 0007 Cp. Butler, NC

- SUBJECT ITEM(S) (Check all that apply):
- Work Plan
  - Quality Control
  - Safety Violation
  - Other
  - Safety Comments

DESCRIPTION: The following property passed a government QA inspection # 1072  
Fate-washington R (Unit 14-6)  
~~Nothing follows~~

Prompt correction or compliance with contract specifications is requested.

*Frank Coates*  
USACE Site Representative

RECEIPT ACKNOWLEDGED: *Carl J. [Signature]*  
Contractor's Representative

ACTION TAKEN:

**U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE  
ORDNANCE AND EXPLOSIVE GROUP  
MEMO**

<b>TO:</b> USA Environmental, Inc	<b>DATE:</b> 9 Dec 10	<b>TIME:</b> 1500
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<b>CONTRACT NUMBER:</b> W912DY-04-D-0006	<b>PROJECT LOCATION:</b>
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<b>DO #:</b> 0007	Cp Butler, NC
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**SUBJECT ITEM(S)** (Check all that apply):

<input type="checkbox"/> Work Plan	<input checked="" type="checkbox"/> Quality Control
<input type="checkbox"/> Safety Violation	<input type="checkbox"/> Other
<input type="checkbox"/> Safety Comments	

**DESCRIPTION:** The following property <sup>has</sup> ~~was~~ PASSED  
a government QA Inspection: 4573 U22c  
Road (Unit 4c10)  
~~Nothing follows~~

Prompt correction or compliance with contract specifications is requested.

  
USACE Site Representative

**RECEIPT ACKNOWLEDGED:**   
Contractor's Representative

**ACTION TAKEN:**

U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE  
ORDNANCE AND EXPLOSIVE GROUP  
MEMO

TO: USA Environmental Inc  
DATE: 14 Dec 10  
TIME: 1300

CONTRACT NUMBER: W912DY-04-D-0006  
PROJECT LOCATION: CP Butler NC  
DO #: 0007

- SUBJECT ITEM(S) (Check all that apply):
- Work Plan
  - Quality Control
  - Safety Violation
  - Other
  - Safety Comments

DESCRIPTION: The following property has passed a government QA: 4578 UZZLE Rd. (Unit 409) This completes all intrusive activities for CP Butler under current contract.  
Nothing follows

Prompt correction or compliance with contract specifications is requested.

Hank Counts  
USACE Site Representative

RECEIPT ACKNOWLEDGED: Gail H...  
Contractor's Representative

ACTION TAKEN:

**APPENDIX F**

**F.0 OPERATIONS REPORTS**

This appendix contains the following documentation:

- SUXOS Daily and Weekly Operations Summaries (on CD)





## ***USA Environmental, Inc.***

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