



FORT GORDON



U.S. ARMY

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# US Army Garrison-Ft Gordon Environmental Quality Control Committee

2 December 2015  
*presented by*

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**COL Anderson**  
**Garrison Commander, Fort Gordon, GA**  
**Chairman**

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***IMCOM Mission – Our mission is to synchronize, integrate and deliver installation services and sustain facilities in support.***



*Environmental Quality Control Committee (EQCC)  
Garrison Energy Steering Committee (GESC)*



*1st Quarter, FY 2016 Agenda  
2 December 2015 (1300hrs - 1400hrs)  
GC Conference Room, Darling Hall*

- CALL TO ORDER BY CHAIRPERSON, EQCC/GESC** .....*Col. Anderson*
- WELCOME AND PRESENTATION OF AGENDA** .....*Mr. Rob Drumm*
- FY15 EQCC ACTION REVIEW**.....DPW, Environmental Division

- ENVIRONMENTAL MANAGEMENT REVIEW**.....DPW, Environmental Division
  - A. Review of Sustainability Objectives and Targets
  - B. Command Analysis Overview of Environmental Program Areas

***SEMS OBJECTIVES AND TARGETS 1st QTR FY16 BRIEFINGS***

- ENDANGERED SPECIES**.....DPW-ED
  - Targets 1-1, 1-2
- SUSTAINABLE TRAINING AREAS**.....DPTMS
  - Targets 3-1, 3-2
- MONITORING AND MEASURING**.....DPW, Environmental Division
  - Targets 10-1, 10-2

**ENVIRONMENTAL TOPICS, UPDATES & SPECIAL REPORTS**.....DPW, Environmental Division

**GUIDANCE AND CLOSING** .....*Col. Anderson*



# PURPOSE



- Assist the Garrison Commander in the formulation of installation
  - environmental compliance,
  - pollution prevention,
  - energy and water conservation, and
  - natural and cultural resource management policies.
- Review progress towards meeting established goals.
- Monitor the effectiveness of the organizational environmental programs.
- Review the status of the Installation Corrective Action Plan (ICAP).
  
- This meeting serves a dual purpose as the Garrison Energy Steering Committee meeting as well as the EQCC.
  
- Garrison Energy Steering Committee goals
- The overall goal of energy conservation is to:
  - help diminish America's dependence on foreign energy
  - conserve valuable domestic resources for future generations of Americans.
- The methodology to achieve these goals are written in Federal Mandates.
- Implementation of energy reduction program will require the replacement of inefficient systems with high efficiency systems.

## EQCC Board Composition

- |  |   |
|--|---|
| V Garrison Commander (Chairman)                    | V Dir, of Human Resources                     |
| V Deputy to the Commanding General                 | V Dir, of Emergency Services                  |
| V Cdr DDEAMC                                       | V Dir, of Logistics                           |
| V Cdr, 15 <sup>th</sup> Signal Brigade             | V Dir, of Plans, Analysis, Integration Office |
| V Cdr, 35 <sup>th</sup> Signal Brigade             | V Dir, of Public Safety                       |
| V Cdr, 706 <sup>th</sup> MI GP                     | V Dir, of Public Works                        |
| V Cdr, 406 <sup>th</sup> ISR                       | V AAFES                                       |
| V Cdr, 359 <sup>th</sup> Signal Brigade – USAR     | V DeCA Southern Region                        |
| V Cdr, 513 <sup>th</sup> Military Intelligence Bde | V Dir, of Contracting                         |
| V Cdr Air Force Detachment                         | V Dir, of DFMWR                               |
| V Cdr, NAVIOCOM                                    | V Dir, of DPTMS                               |
| V Cdr, RTS-Medical                                 | V Chief of Staff 3rd MEDCOM (Gillem Enclave)  |
| V Cdr, U.S. Army Reserve Center                    | V CID Director (Gillem Enclave)               |
| <b>A Area Engineer, USACOE</b>                     | V U. S. National Guard (Gillem Enclave)       |
| <b>A Office of the Staff Judge Advocate</b>        | V Balfour Beatty Fort Gordon Communities      |
| <b>A Chief, Environmental Division</b>             | V National Security Agency                    |
| <b>A Chief, GRMO</b>                               | <b>A Georgia Power; Southern Company</b>      |
| <b>A Chief, Public Affairs Office</b>              | <b>A Augusta Utilities</b>                    |
| <b>A Deputy Garrison Commander</b>                 | <b>A Atlanta Gas and Electric</b>             |
| <b>A Gillem Enclave Manager</b>                    |   |

**A/Red = Advisors**

**V/Black= Voting Members**

# SEMS Implementation Flow Chart



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Garrison Commander

SEMS Management Representative

SEMS Coordinator

Cross Functional Team

Unit Commanders

Installation Directors

Contractors

Tenant Organizations

\* Only approved members vote on topics presented by the CFT



# EQCC FY15 Action Review



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## Summary of FY15 Voting Actions

PROPOSED ACTIONS:	RESULTS:	STATUS:
<p>2<sup>nd</sup> Qtr: Target 8-3: Maintain cost effective waste prevention and recycling programs throughout the installation (plastic, metals, paper, and cardboard).</p> <p>Amend Garrison Commander's Policy #89- Recycling to include requirement for entities that do not use the QRP to report all recycling totals to the Qualified Recycling Program (QRP) Manager.</p>	Motion Passed.	Garrison Commander's Policy #89 – Recycling has been amended and is currently under review.
<p>4<sup>th</sup> Qtr: Update SEMS Objectives and Targets for FY16 as presented. Proposed FY16 updates will:</p> <ul style="list-style-type: none"> <li>• Incorporate new and revised goals established by Executive Order 13693, <i>Planning for Federal Sustainability in the Next Decade</i>.</li> <li>• Support the Army's Net Zero Initiative.</li> <li>• Ensure continuous improvement.</li> </ul>	Motion Passed.	EQCC to be briefed on status of FY16 SEMS Objectives and Targets throughout FY16.

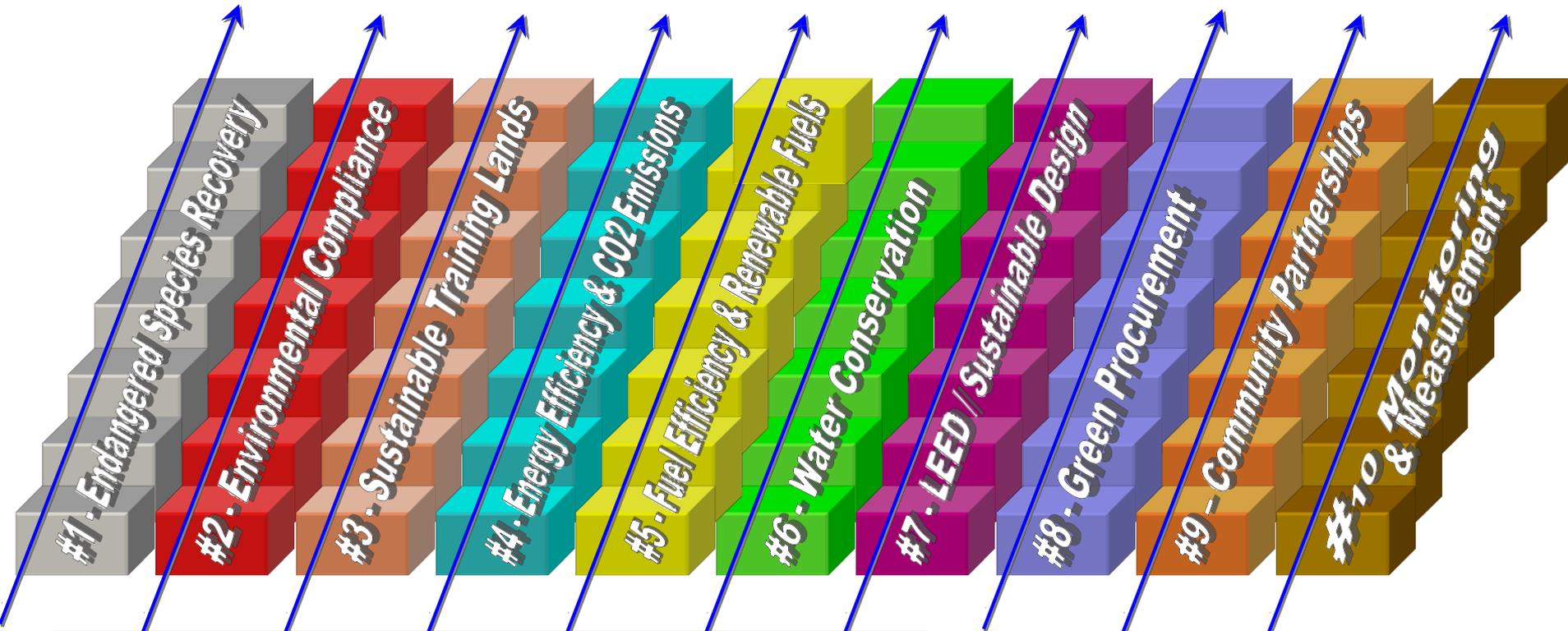
## Due Outs/Issues

2 <sup>nd</sup> Qtr: Installation of ACM/LBP Warning Signs	<b>STATUS:</b> ACM/LBP Warnings Signs have been posted.
3 <sup>rd</sup> Qtr: Environmental Division to review and modify Self-Help Policy Letter and training to ensure ACM/LBP is adequately addressed.	<b>STATUS:</b> A Policy Letter is being staffed for the Garrison Commander's signature. ACM/LBP awareness training is conducted monthly for self-help projects.

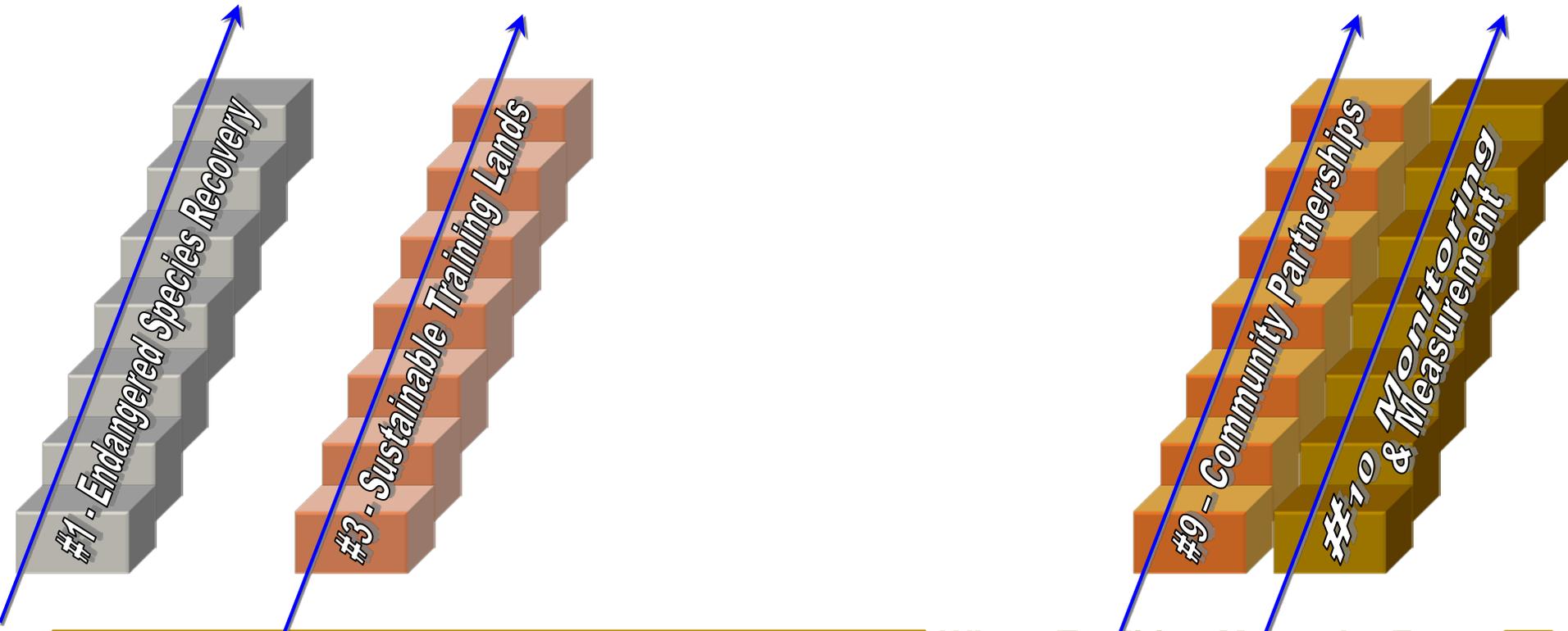


## Overview of Sustainability Objectives and Targets

## Sustainable Fort Gordon



## Sustainable Fort Gordon



Installation Sustainability Objectives	Champion Organization
<b>1. ENDANGERED SPECIES RECOVERY</b>	DPW-ED, Natural Resources Branch
1-1 - Restore the biological integrity on 25,814 acres of longleaf wiregrass ecosystem by 2059.	DPW-ED, Natural Resources Branch
1-2 - Increase RCW habitat by 200 acres per year, maintain 5-10% population growth to 30 active clusters by 2020.	DPW-ED, Natural Resources Branch
<b>2. ENVIRONMENTAL COMPLIANCE</b>	DPW-ED, Compliance Branch
2-1 - Reduce volume of discharge by 25% within 10 years through development of LID projects	DPW-ED, Compliance Branch
2-2 - Annually reduce the amount of hazardous waste generated.	LRC; DPW-ED, Compliance Branch
2-3 - Achieve an annual 50% diversion rate for non-hazardous solid waste and C&D debris.	DPW-ED
<b>3. SUSTAINABLE TRAINING LANDS</b>	DPTMS- Range Control
3-1 - Minimize degradation of training lands and long-term damage to soils, vegetation	DPTMS- ITAM
3-2 - Increase the training acres through mitigation of impaired areas by 100 acres per year through 2020.	DPTMS- ITAM



# Review of Sustainability Objectives and Targets



## All Current Metrics and Champion Organization

Installation Sustainability Objectives	Champion Organization
<b>4. ENERGY EFFICIENCY &amp; CO2 EMISSIONS</b>	DPW- Operations and Maintenance Division (OMD)
<p><b>4-1</b> - Improve energy efficiency and reduce greenhouse gas emissions by reducing building energy intensity by 2.5% annually through FY25 relative to the FY15 baseline.</p>	DPW-OMD
<b>5. FUEL EFFICIENCY AND RENEWABLE FUELS</b>	Logistics Readiness Center/ DPW-OMD
<p><b>5-1</b> - Increase renewable electric energy use and clean energy use 10% in FY16 and FY17.</p>	DPW-OMD/ LRC
<p><b>5-2</b> - Improve fuel efficiency and fleet management to achieve a 4% reduction in fleet-wide per mile GHG emissions by the end of FY17.</p>	LRC
<p><b>5-3</b> - Increases the total fuel consumption that is non-petroleum-based by 10% annually.</p>	LRC
<p><b>5-4</b> - Use plug-in hybrid (PIH) vehicles when PIH vehicles are commercially available.</p>	LRC



# Review of Sustainability Objectives and Targets



## All Current Metrics and Champion Organization

Installation Sustainability Objectives	Champion Organization
<b>6. WATER CONSERVATION</b>	DPW-OMD
<p><b>6-1</b> - Reduce potable water consumption intensity 36% by FY25 through 2% annual reductions relative to the FY07 baseline.</p>	DPW-OMD
<p><b>6-2</b> - Reduce industrial, landscaping, and agricultural (ILA) water consumption intensity by 2% annually relative to the FY10 baseline.</p>	DPW-OMD
<b>7. LEED/ SUSTAINABLE DESIGN AND LOW IMPACT DEVELOPMENT (LID)</b>	DPW
<p><b>7-1</b> - Ensure that new construction and major renovations comply with the Guiding Principles for Federal Leadership in High Performance and Sustainable Buildings set forth in the Federal Leadership in High Performance and Sustainable Buildings MOU.</p>	DPW
<p><b>7-2</b> - Ensure 15% of the existing capital asset building inventory as of the end of fiscal year 2025 incorporates the sustainable practices.</p>	DPW
<p><b>7-3</b> - Ensure by FY2020 all new buildings (&gt;5,000 GSF) entering the planning process are designed to achieve energy net-zero, and, where feasible, water or waste net-zero by FY2030.</p>	DPW



# Review of Sustainability Objectives and Targets



## All Current Metrics and Champion Organization

Installation Sustainability Objectives	Champion Organization
<b>8. POLLUTION PREVENTION AND GREEN PROCUREMENT</b>	DPW-ED/DFMWR; QRP/ MICC/ LRC
8-1 - Use paper of at least 30 % post-consumer fiber content.	MICC
8-2 - Reduce the quantity of toxic and hazardous chemicals and materials acquired, used, or disposed.	LRC/DPW-ED
8-3 - Maintain cost effective waste prevention and recycling programs throughout the installation (plastic, metals, paper, and cardboard).	DFMWR
<b>9. COMMUNITY PARTNERSHIPS</b>	DPW-ED
9-1 - Army Compatible Use Buffer (ACUB)	
9-2: Implement requirements of the Integrated Cultural Resources Management Plan 2011-2016	
<b>10. SUSTAINABILITY/ MONITORING &amp; MEASURING</b>	DPW-ED/ PAIO
10-1 - Environmental Performance Assessment and Assistance System (EPAAS) Quarterly Update.	DPW-ED
10-2 – Sustainability Environmental Management System (SEMS) Conformance.	DPW-ED

## Command Analysis Overview of Environmental Program Areas

DPW, Environmental Division

# Fort Gordon Command Analysis Environmental Program Overview

## Prevention & Compliance Branch

1<sup>ST</sup> QTR FY 16

Program Areas (Compliance Branch)	Program Components	Driver	Status
<b>Compliance Overview</b>	Air	<b>PL</b>	Project for emission control on peaking generators in process. Received permission from ELD to enter into Consent Order and waiting for signed order back from GAEPD. Draft Title V Air Permit public comment period ended 26 Oct 15.
	Asbestos/Lead	<b>PL</b>	New ACM/LBP Policy and Self-Help Projects Policy is being staffed. Partnered with Safety office to provide ACM awareness training.
	Storm Water/Wastewater	<b>PL</b>	3 <sup>rd</sup> Avenue Landfill Corrective Action final stabilization and repair complete and construction permit terminated. Industrial storm water corrective actions underway to address deficiencies from GAEPD inspection.
	Hazardous Waste/Materials/EPCRA	<b>PL</b>	Hazardous chemical inventory for CY 2015 in progress; unit/organization inventories due to DPW Environmental NLT 15 Jan 16. EPCRA Tier II report due by 1 Mar 15.
	Drinking Water	<b>PL</b>	Received renewed permit from GAEPD for Range 14 drinking water system.
	Solid Waste	<b>PL</b>	Two Landfill permit applications (Gibson Rd and Carter Rd. Inert Waste Landfills) resubmitted and under review by GAEPD. Submitted Solid Waste Annual Report (SWAR) FY15 to IMCOM.
	SPCC/POL Storage Tanks	<b>PL</b>	All Spill Prevention Plans current/updated. Administrative updates made with changes in personnel at the end of FY15; updated Facility Response Plan sent for GC signature. Annual Facility Response Plan training completed 6 Nov 15.
<b>Program Management</b>	Sustainability	<b>EO, PC</b>	Sustainability EMS corrective actions in process for re-declaration of conformance. Documents and records are not available because the servers are down. Personnel continuing to store records on their hard drives and removable media.
	Training & Outreach	<b>PL, AR</b>	Newsletter & Training Schedule linked to Fort Gordon Web Page.
	SEMS/EPAAS	<b>EO, AR</b>	Internal EMS audit conducted 5-6 Nov; corrective actions in-progress. Installation-wide EPAAS audit by Army Environmental Command is scheduled for 7-11 Dec 15.
	Budget and Contracting	<b>PL, AR</b>	FY15–FY16 Contracts submitted for approval.

**PL** – Public Law

**PC** – Public Commitment

**EO** – Executive Order

**AR** – Army Regulation

**Where Tradition Meets the Future**

# Fort Gordon Command Analysis Environmental Program Overview

## Natural Resources Branch

1<sup>ST</sup> QTR FY 16

Program Areas (NR Branch)	Program Components	Driver	Status
<b>Natural Resources</b>	Conservation Ecology	<b>PL, AR</b>	Treating midstory and improving training access on approximately 2,452 acres this FY.
	Endangered Species	<b>PL, AR</b>	RCW 24 active clusters, 14 Potential Breeding Groups Will translocate 3 pair and 2 single birds this winter  INRMP and ESMC plan revision complete, Biological Opinion received from US Fish & Wildlife Service
	NEPA	<b>PL, AR, PC</b>	Gate 6 EA project kick off meeting held. Document to be complete by 30 Sept 2016.
	Cultural Resource Management	<b>PL</b>	ICRMP due revision in 2016 Working on Signal School Historic Eligibility Evaluation with CERL, USACE. Submitted Section 106 letter, working on HABS estimates
	Forestry Sales	<b>AR</b>	Timber in TA 31 harvest ongoing TA 14 sold harvest has not started Next timber sales TA 45, 34 and 23 expanding drop zone New Forester on board
	Prescribed Fire Plan Execution	<b>AR</b>	29,042 acres scheduled for prescribed burning in FY16; 0 complete.
	Wildfire Response	<b>AR</b>	FY16 Wildfire Responses – 0 total; 0 Ranges 0 Training Area.

**PL** – Public Law

**PC** – Public Commitment

**EO** – Executive Order

**AR** – Army Regulation



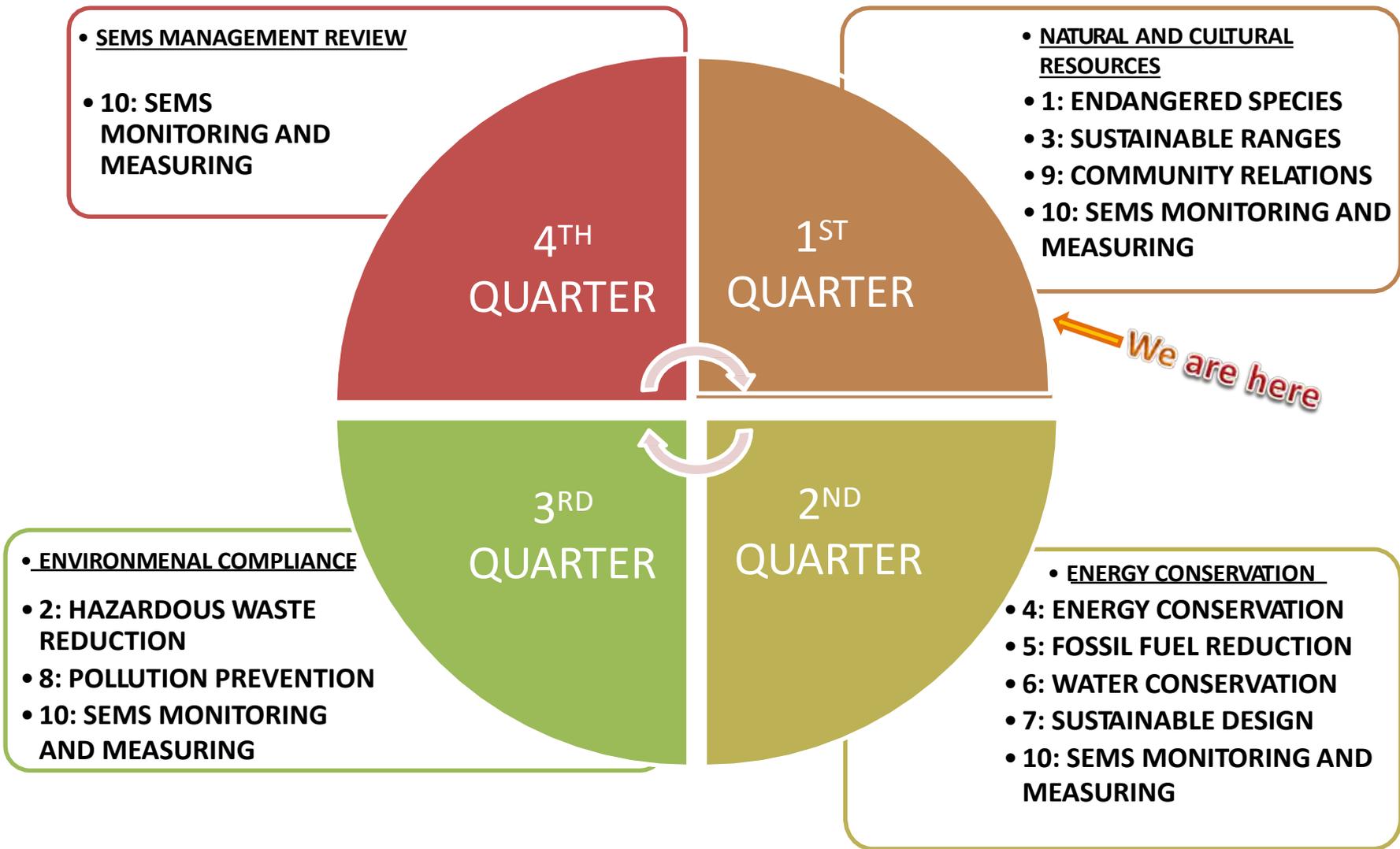
## ***FY16 Sustainability and Environmental Management System (SEMS) Objectives and Targets Briefing Schedule***

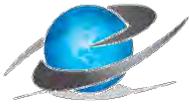


# SEMS Objectives and Targets FY16 Briefing Schedule



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## Targets 1-1 & 1-2 Progress Report Endangered Species Recovery

DPW-ED

## Target 1-1 Progress Report

<b>Objective 1:</b> Endangered Species Recovery	<b>Performance Indicator</b>	<b>Freq</b>	<b>Target/Baseline</b> ----- <b>Date</b>	<b>Results Status</b> ----- <b>Comments</b>
<b>Target 1-1:</b> Restore the biological integrity on <b>25,543</b> acres of longleaf wiregrass ecosystem by 2059.  2008-2059=51 years @ ~500 ac\yr 2008-2015=7 years with 10,839 ac\complete  2015 accomplished = 1,019 acres	# of acres restored and maintained	Annual	<b>FY 14</b> <b>25,814/9,820</b>	<b>38%</b>
			<b>FY 15</b> <b>25,543/10,839</b>	<b>42%</b>
			<b>500/1,019</b>	<b>204%</b>
<b>Action 1:</b> Annually prescribed burn 8,514 acres of the RCW HMU to comply with USFWS BO 3 year burn rotation.	% Complete FY 15	Qtr	8,514/5,533	<b>65%</b>
<b>Action 2:</b> Midstory control\ground cover restoration 400 acres in the RCW HMU annually.	% Complete FY 15	Annual	Planted 358 acres wiregrass Mechanical midstory removal 33 Herbicide midstory 2042 acres 2433/400	<b>608%</b>
<b>Action 3:</b> Re-establish 400 acres of longleaf pine in the RCW HMU annually.	% Complete FY 15	Annual	Planted 630 acres winter FY14 394/400	<b>99%</b>



# Target 1-1 Progress Report



## Action 1: Accomplished FY 2015 Prescribed Fire

### RCW Cluster Centers by Status

- Active
- Current Recruitment
- Inactive
- Installation Boundary
- Training Area Boundaries
- Proposed Prescribed Fire
- Accomplished Prescribed Fire

This map was produced by the Fort Gordon Natural Resources Branch 11/5/2015

World Geodetic System of 1984  
UTM Zone 17 North  
Units: Meters

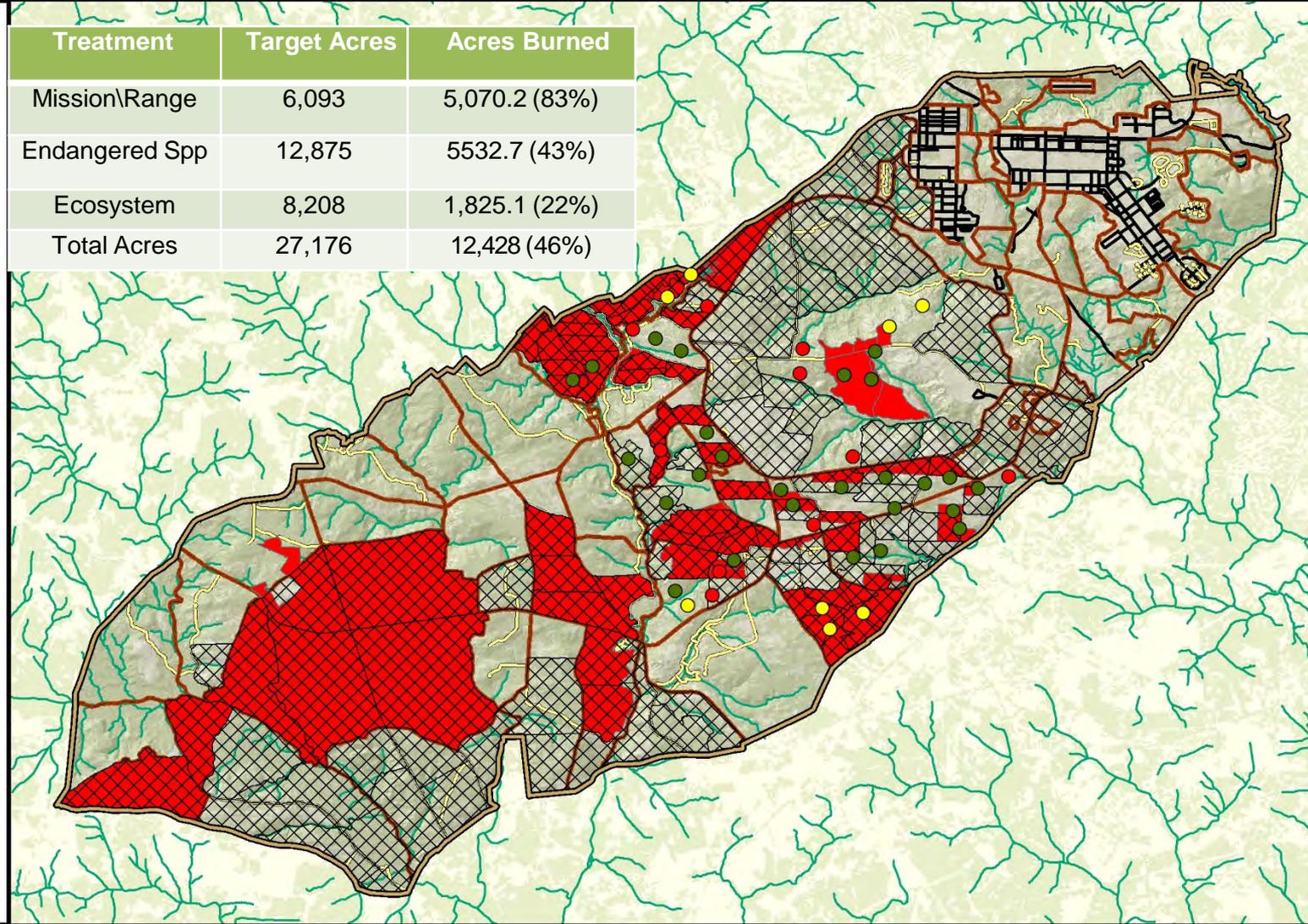
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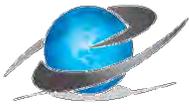
0 1 2 Kilometers

0 0.5 1 Miles



Treatment	Target Acres	Acres Burned
Mission\Range	6,093	5,070.2 (83%)
Endangered Spp	12,875	5532.7 (43%)
Ecosystem	8,208	1,825.1 (22%)
<b>Total Acres</b>	<b>27,176</b>	<b>12,428 (46%)</b>





# Target 1-1 Progress Report



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## Action 2: Targets Accomplished FY 2015 Mechanical

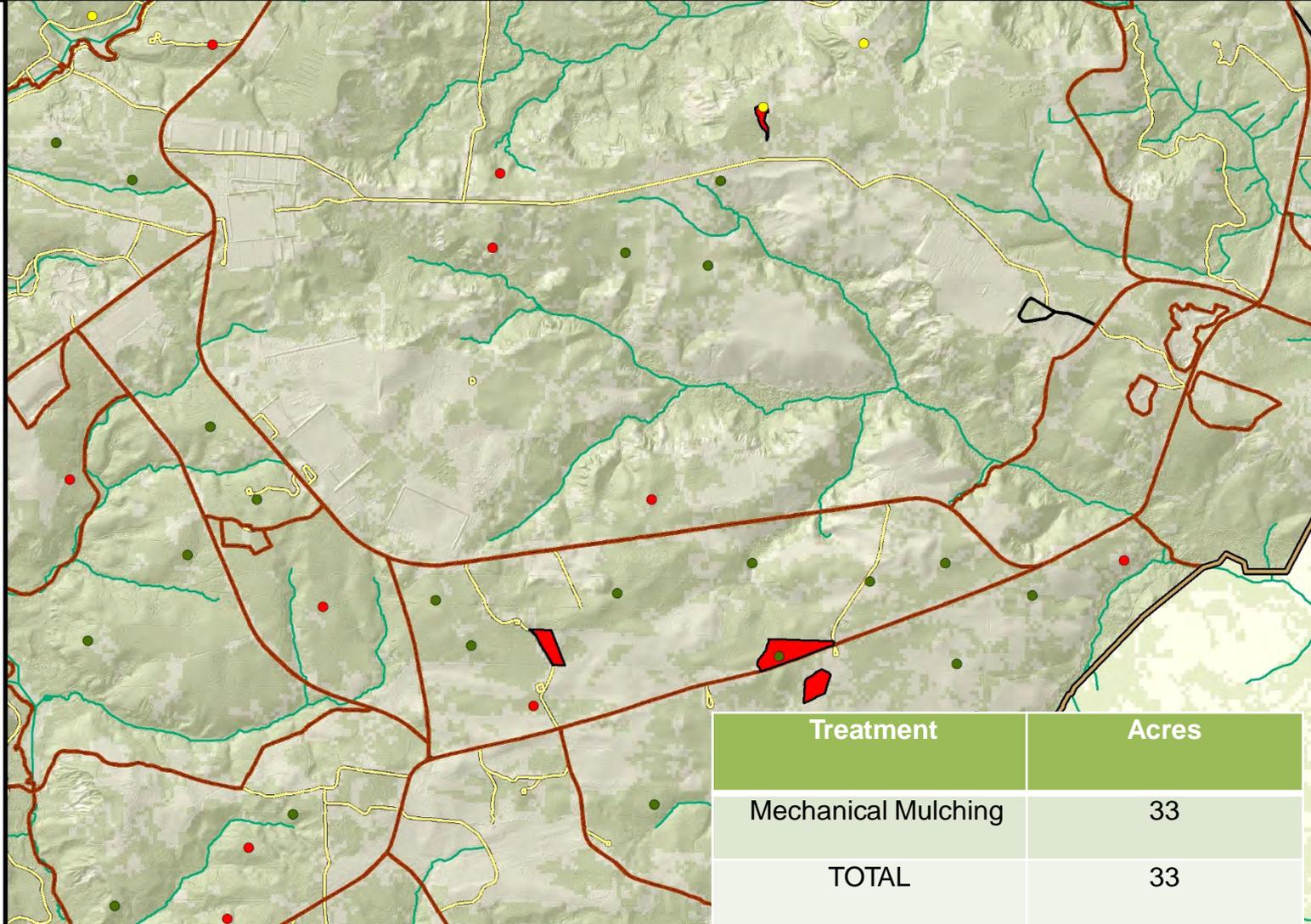
### RCW Cluster Centers by Status

- Active
- Current Recruitment
- Inactive
- Installation Boundary
- Training Area Boundaries
- Mechanical Mid-Story

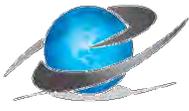
This map was produced by the Fort Gordon Natural Resources Branch 11/9/2015

World Geodetic System of 1984  
UTM Zone 17 North  
Units: Meters

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Treatment	Acres
Mechanical Mulching	33
<b>TOTAL</b>	<b>33</b>



# Target 1-1 Progress Report



## Action 2: Targets Accomplished FY 2015 Herbicide

### RCW Cluster Centers by Status

- Active
- Current Recruitment
- Inactive

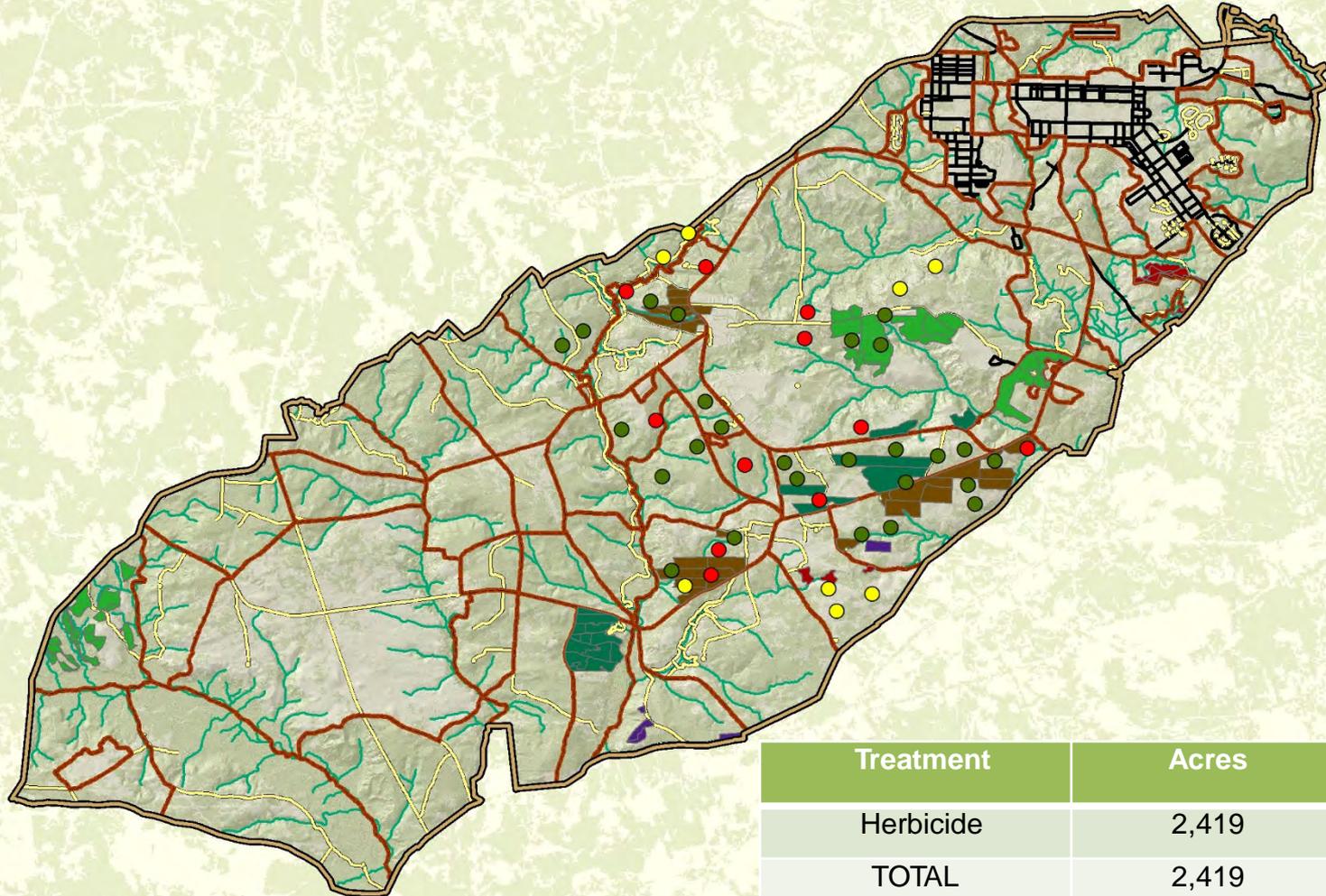
### Chemical

- Arsenal
- Garlon
- Velpar
- Pronone Pellets
- Prep-It Herbicide

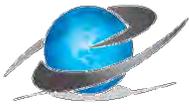
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World Geodetic System of 1984  
UTM Zone 17 North  
Units: Meters

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0 1 2 Kilometers  
0 0.5 1 Miles



Treatment	Acres
Herbicide	2,419
<b>TOTAL</b>	<b>2,419</b>



# Target 1-1 Progress Report



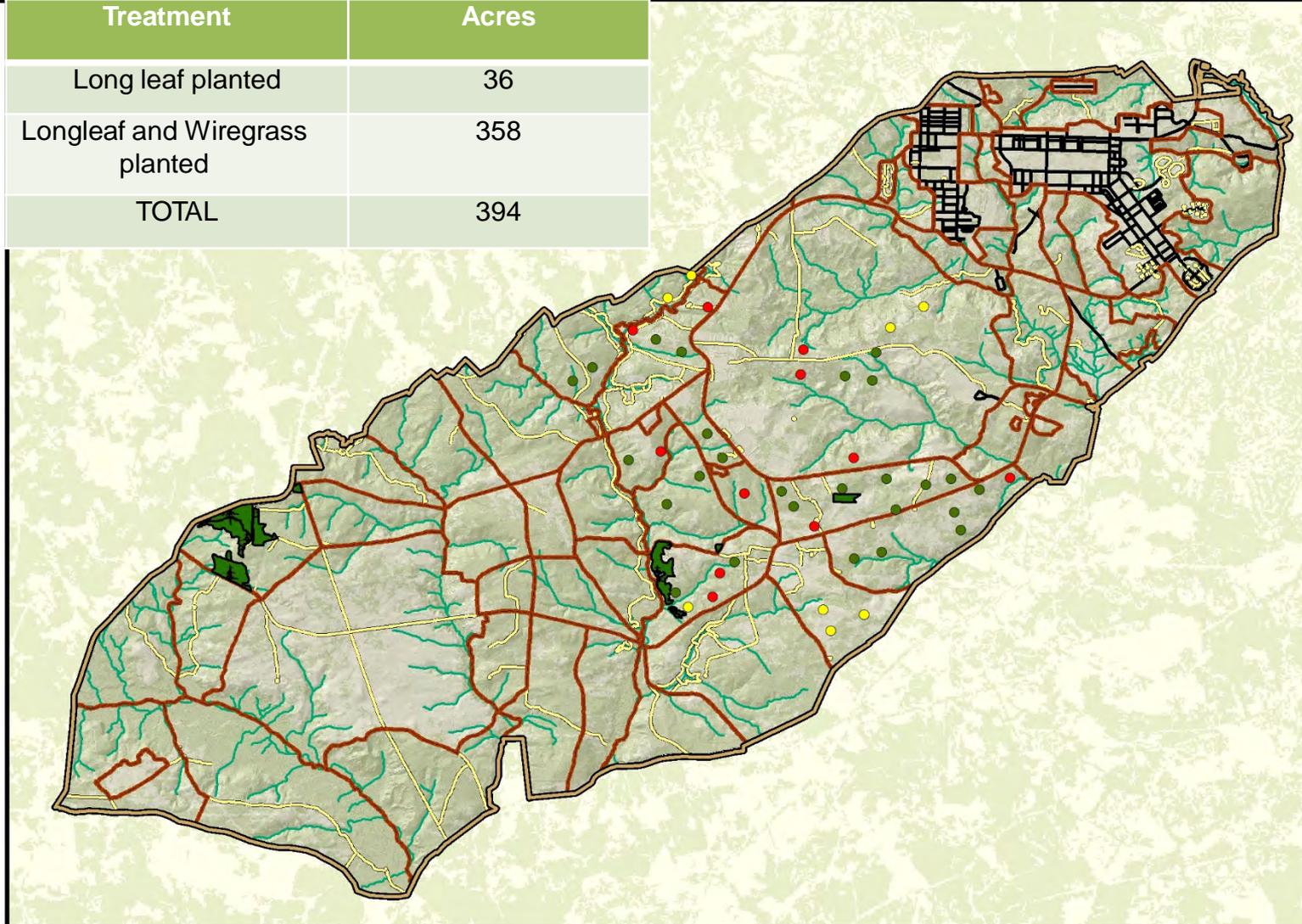
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## Action 3: Targets Accomplished FY 2015 Planting

### RCW Cluster Centers by Status

- Active
- Current Recruitment
- Inactive
- Longleaf & Wiregrass Planting

Treatment	Acres
Long leaf planted	36
Longleaf and Wiregrass planted	358
<b>TOTAL</b>	<b>394</b>



This map was produced by the  
Fort Gordon Natural Resources Branch  
11/5/2015

World Geodetic System of 1984  
UTM Zone 17 North  
Units: Meters

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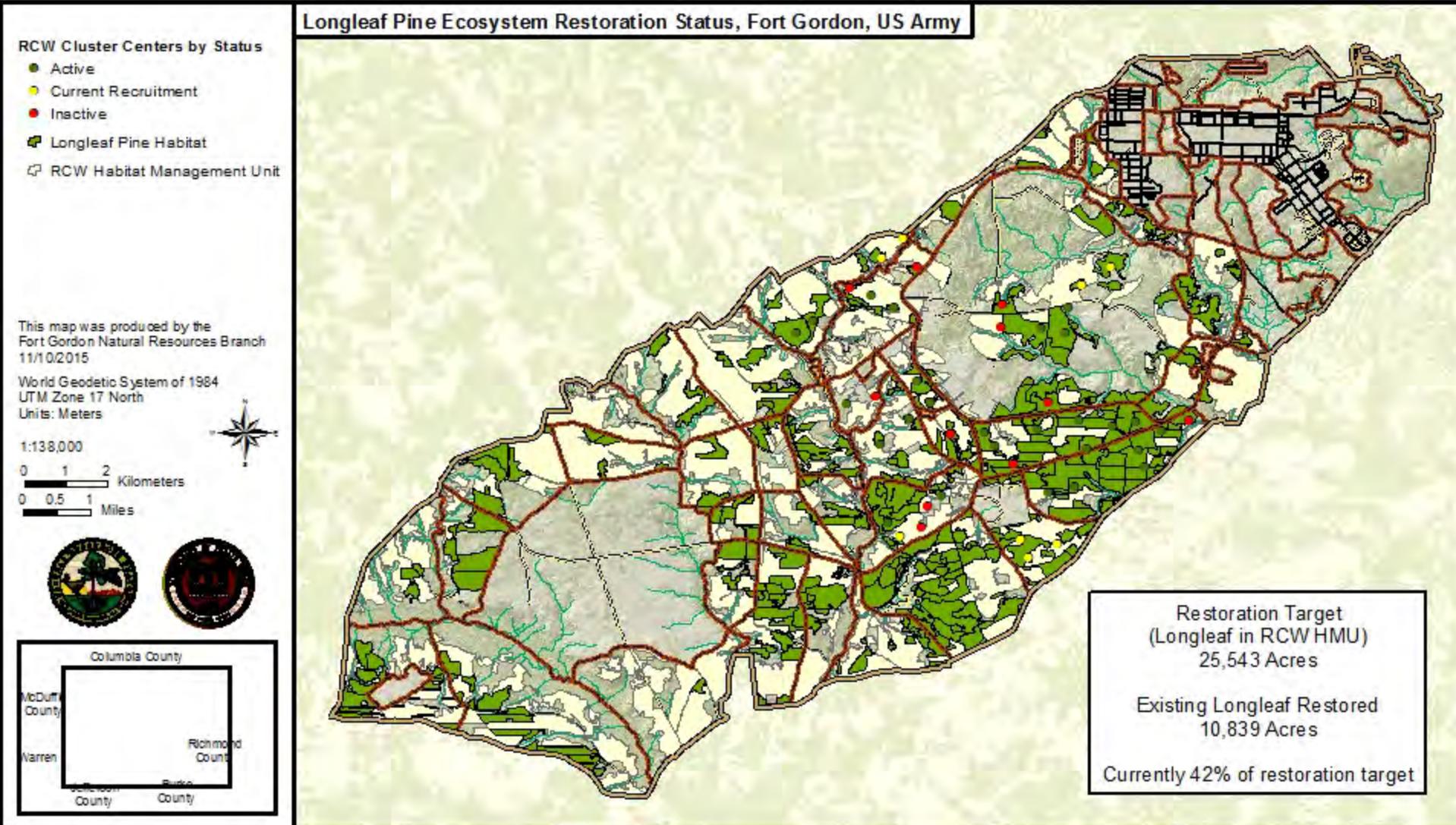




# Target 1-1 Progress Report



## FORT GORDON Restore Longleaf Wiregrass Accomplished FY 2015

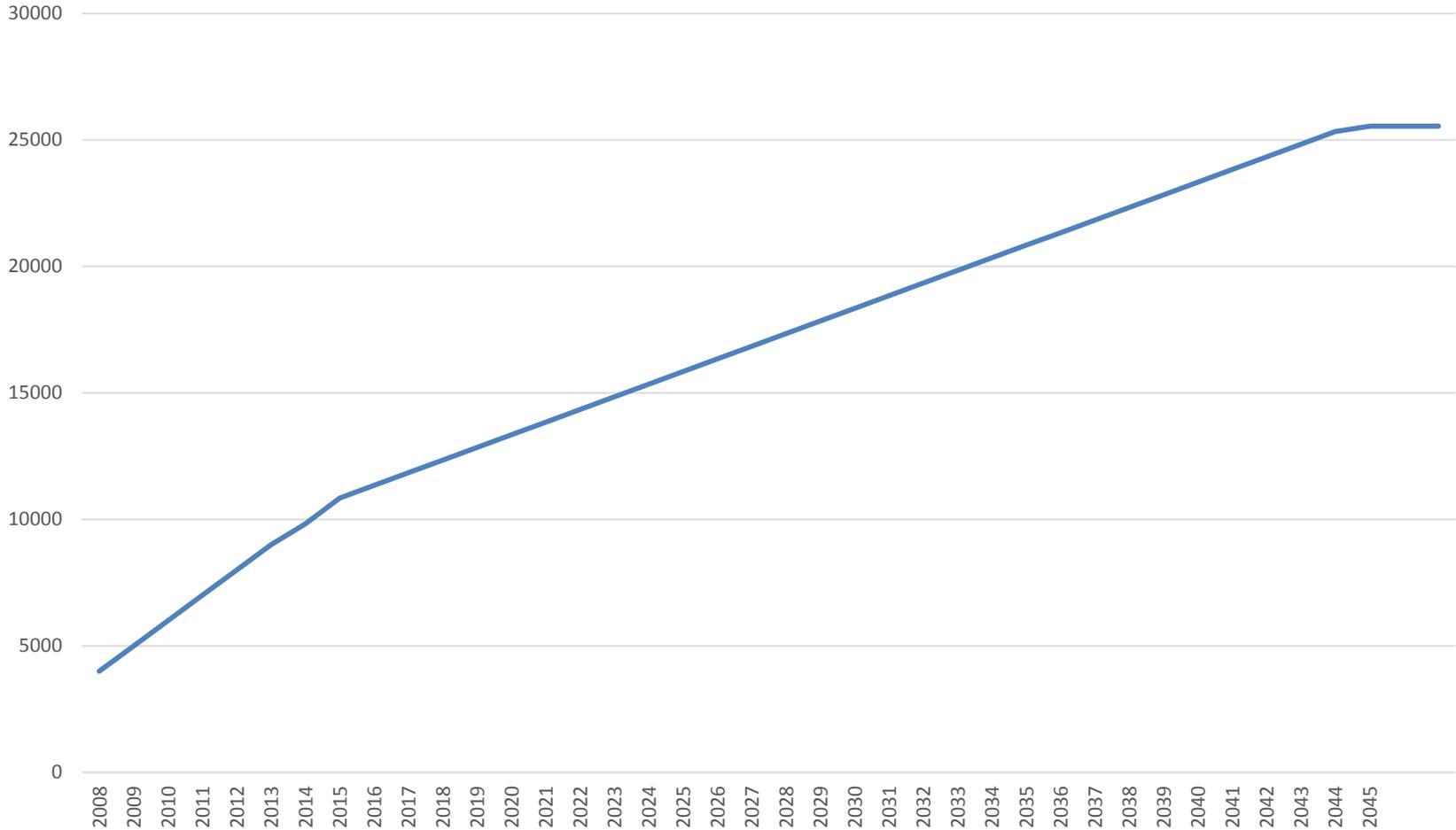




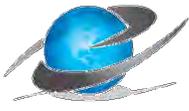
# Target 1-1 Progress Report



Acres By Year



— Longleaf Wiregrass Acres  
 \*Acres estimated 2016 and beyond

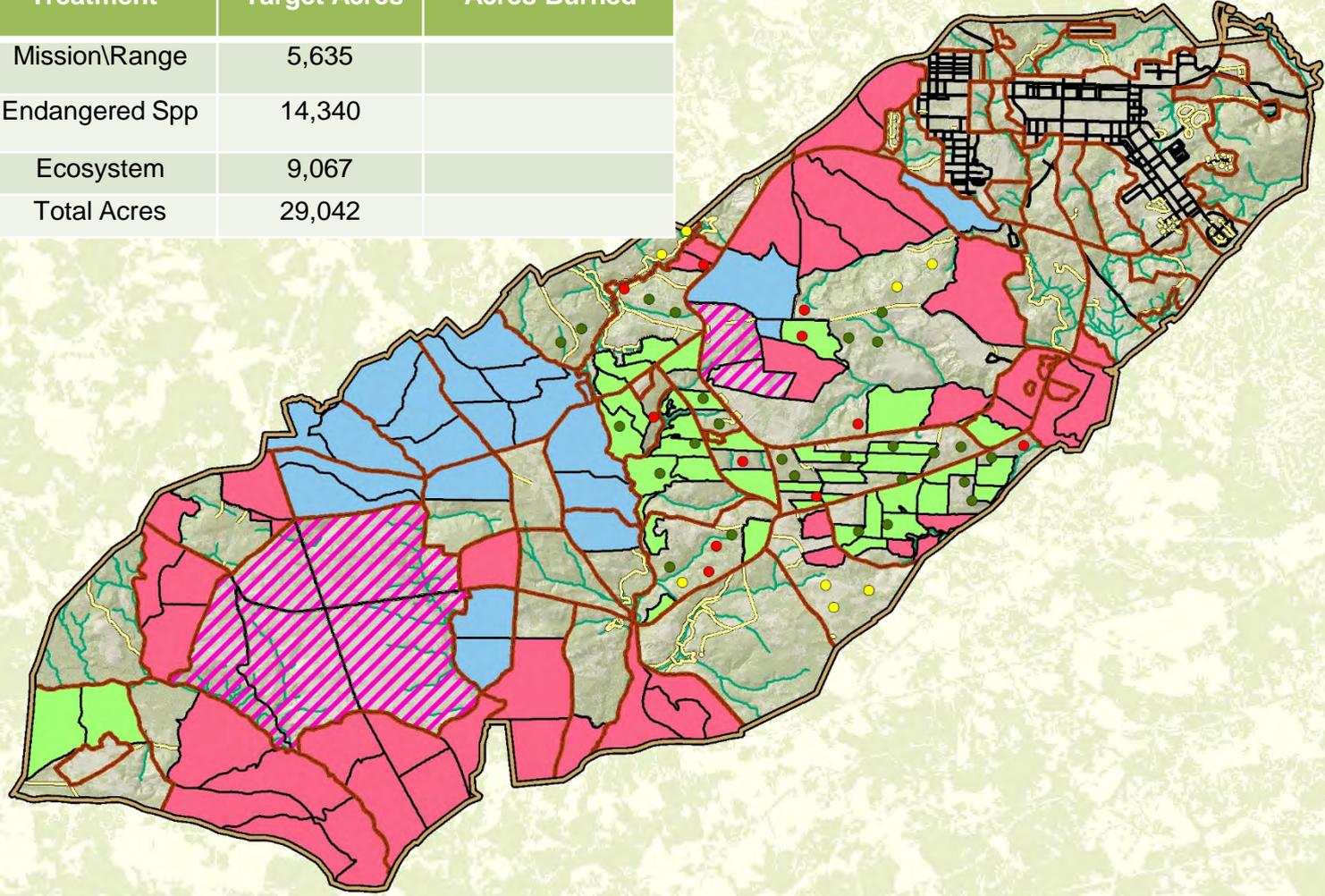


# Target 1-1 Planned Actions



## FORT GORDON Action 1: Targets Proposed FY 2016 Prescribed Fire

Treatment	Target Acres	Acres Burned
Mission\Range	5,635	
Endangered Spp	14,340	
Ecosystem	9,067	
Total Acres	29,042	



### RCW Cluster Centers by Status

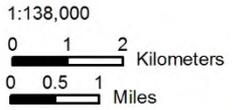
- Active
- Current Recruitment
- Inactive
- 🗺 Installation Boundary
- 🗺 Training Area Boundaries

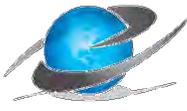
### FY2016\_Proposed type2

- 🗺 Early Dormant
- 🗺 Late Dormant
- 🗺 Growing
- 🗺 Ranges

This map was produced by the Fort Gordon Natural Resources Branch 11/9/2015

World Geodetic System of 1984  
UTM Zone 17 North  
Units: Meters





# Target 1-1 Planned Actions



## Action 3: Targets Proposed FY 2016 Planting

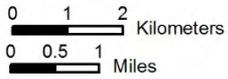
### RCW Cluster Centers by Status

- Active
- Current Recruitment
- Inactive
- Installation Boundary
- Training Area Boundaries
- Longleaf & Wiregrass Planting

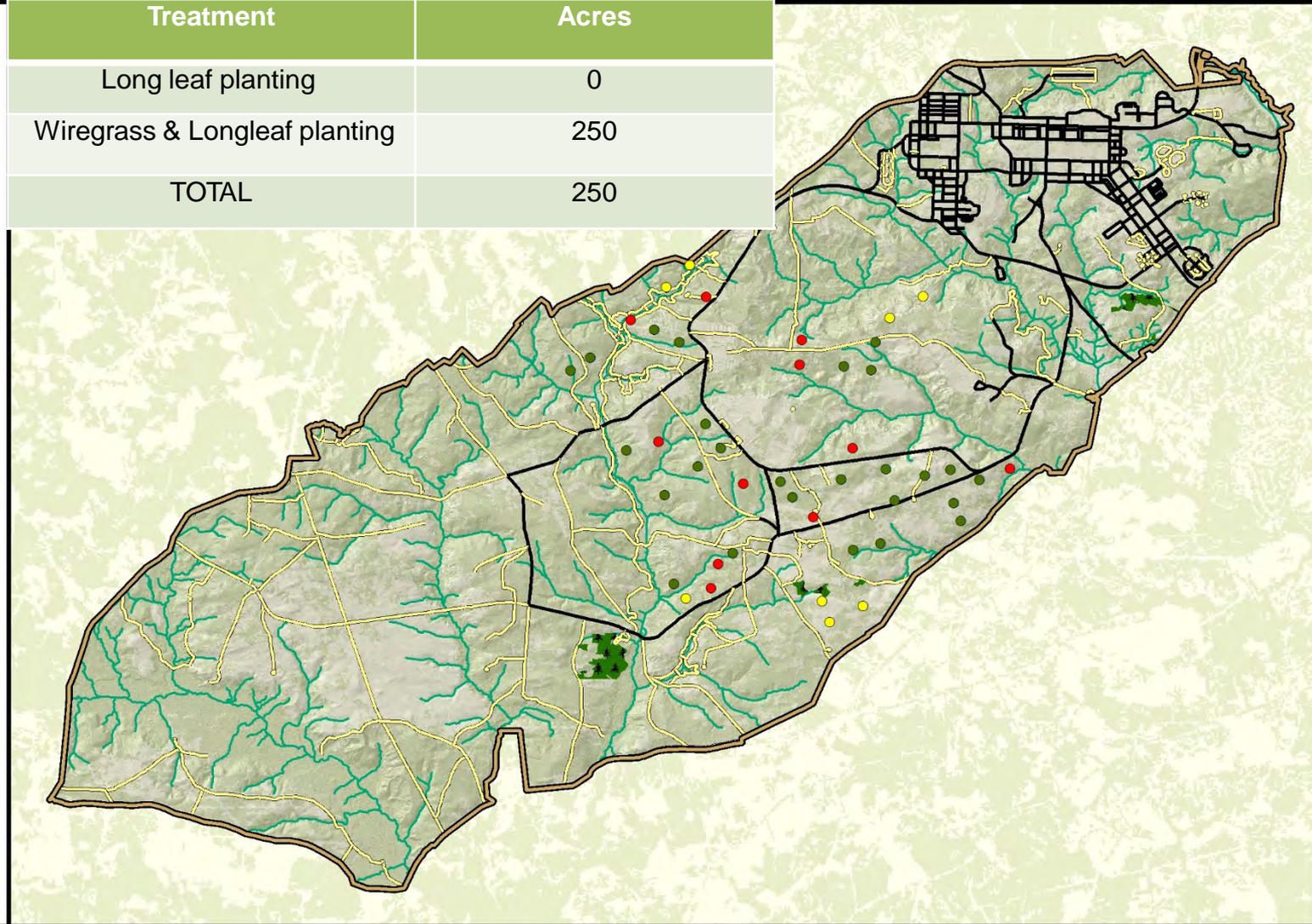
This map was produced by the Fort Gordon Natural Resources Branch 11/9/2015

World Geodetic System of 1984  
UTM Zone 17 North  
Units: Meters

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Treatment	Acres
Long leaf planting	0
Wiregrass & Longleaf planting	250
<b>TOTAL</b>	<b>250</b>



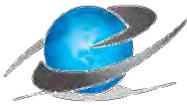


# Review of Sustainability Objectives and Targets



## Target 1-2 Progress Report

<b>Objective 1:</b> Endangered Species Recovery	<b>Performance Indicator</b>	<b>Freq</b>	<b>Target/Baseline</b> ----- <b>Date</b>	<b>Results Status</b> ----- <b>Comments</b>
<b>Target 1-2:</b> Increase RCW habitat by 200 acres per year, maintain 5-10% population growth to 25 active clusters by 2016.	# Active Clusters	Annual	1 active cluster in 1999 24 Active clusters in 2015  growth of 14% active clusters from FY14- FY15	<b>109%</b>
<b>Action 1:</b> Timber Management - conduct timber harvest and habitat improvement in Training Areas 12, 14, 15, 31 during FY 2015.	% Complete	Qtr	TA 12, 14, 31 Timber harvested  *TA 21, 22, 23, 33 Salvage Timber Harvest	<b>75%</b>
<b>Action 2:</b> Translocation of RCW- Augment small population by translocating RCW every other year if suitable habitat is available, until population is at 30 Potential Breeding Groups (PBG).	% Complete		Number of translocated RCW required per BO. FY14 population 14 PBG. No RCWs translocated in FY15	<b>47%</b>



# Target 1-2 Progress Report



## Action 1: Targets Accomplished FY 2015 Timber

**RCW Cluster Centers by Status**

- Active
- Current Recruitment
- Inactive
- ▭ Installation Boundary
- ▭ Training Area Boundaries
- ▭ EITF Solar Site Transmission Line

This map was produced by the Fort Gordon Natural Resources Branch 11/10/2015

World Geodetic System of 1984  
UTM Zone 17 North  
Units: Meters

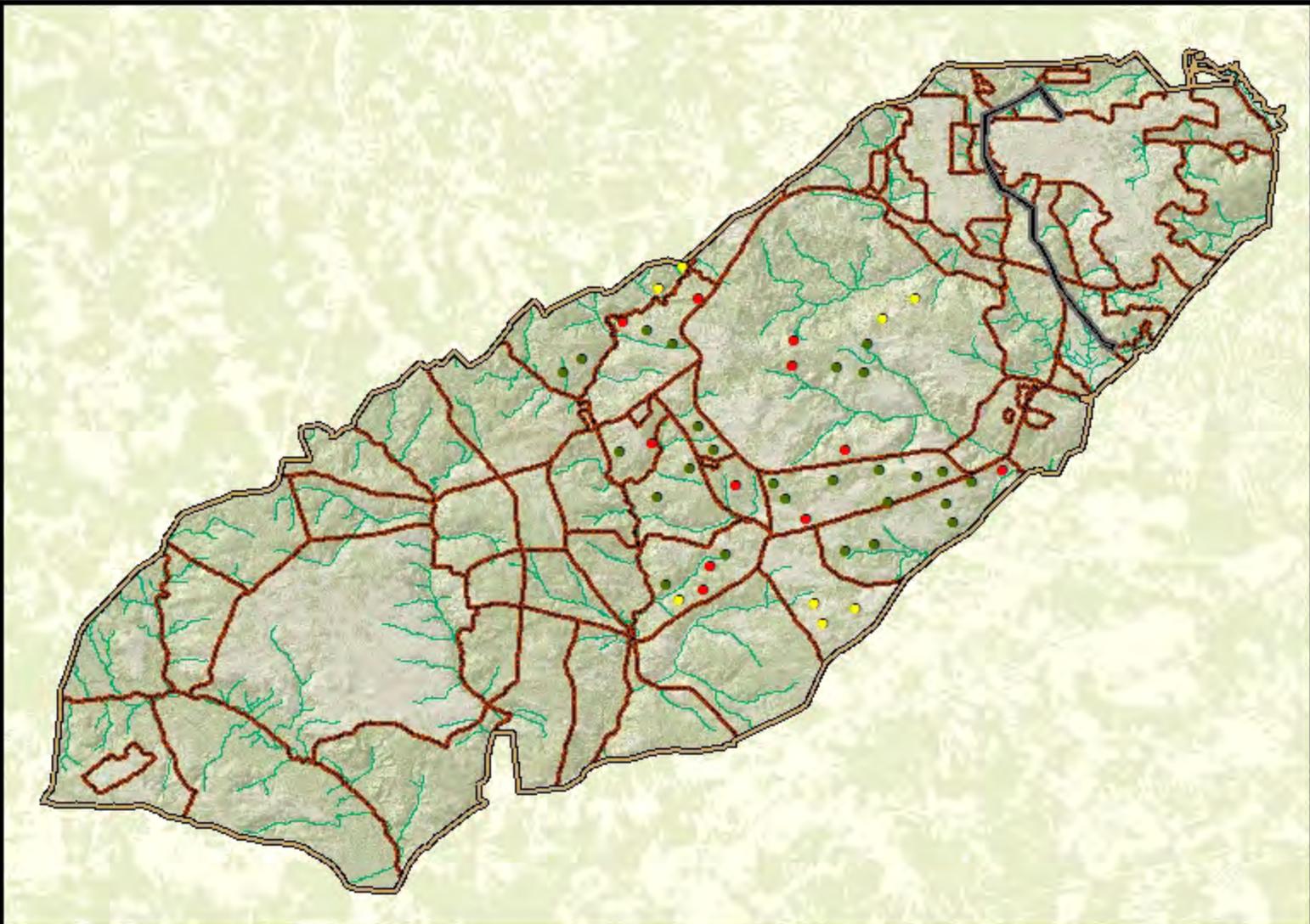
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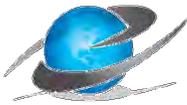
0 1 2 Kilometers

0 0.5 1 Miles

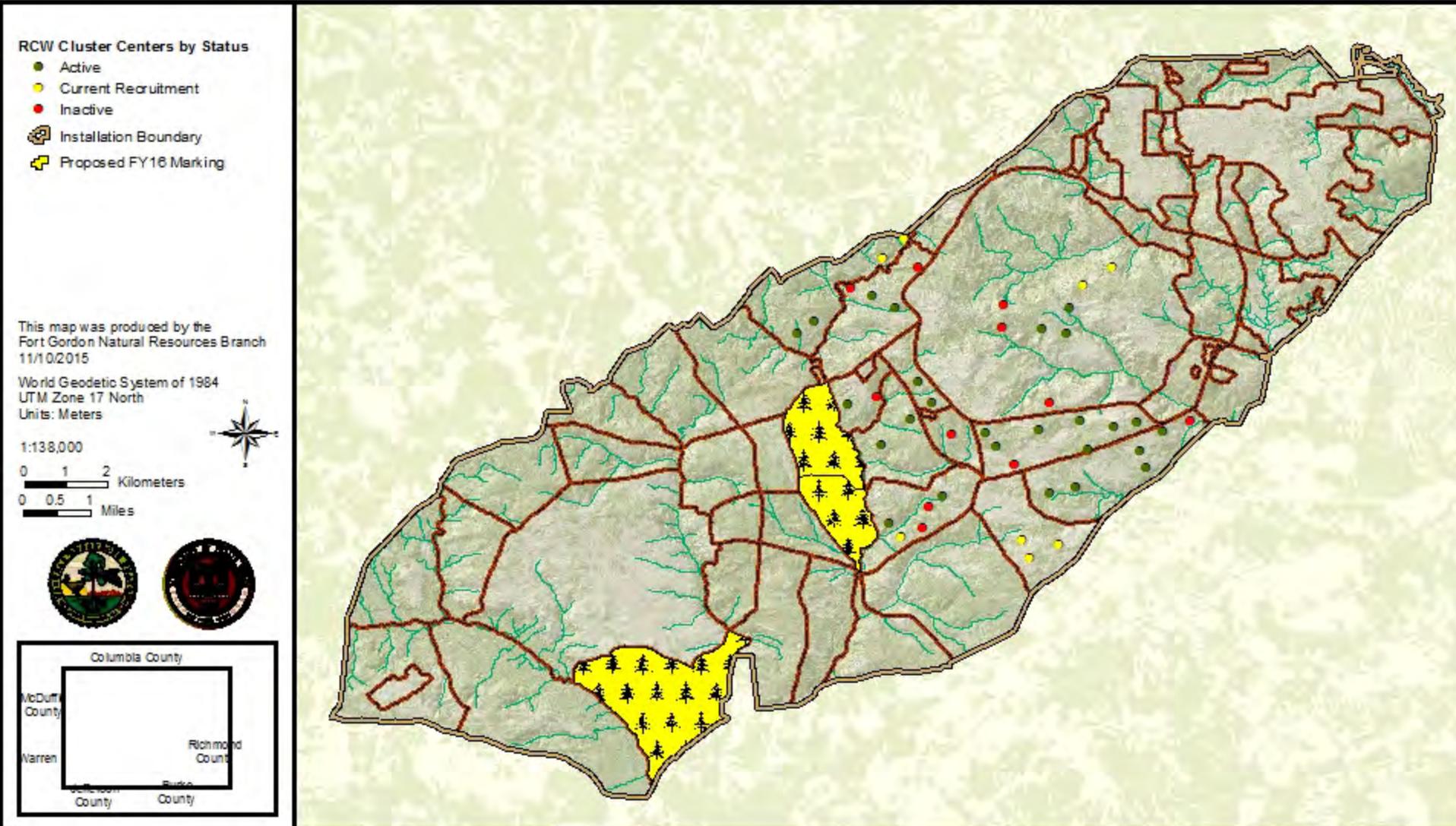


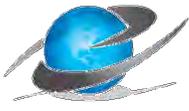






## Action 1: Targets Proposed FY 2016 Timber





# Target 1-2 Progress Report



## FORT GORDON Action 2: Targets Accomplished FY 2015 Translocate

**RCW Cluster Centers by Status**

- Active
- Current Recruitment
- Inactive

**Potential Recruitment Clusters**

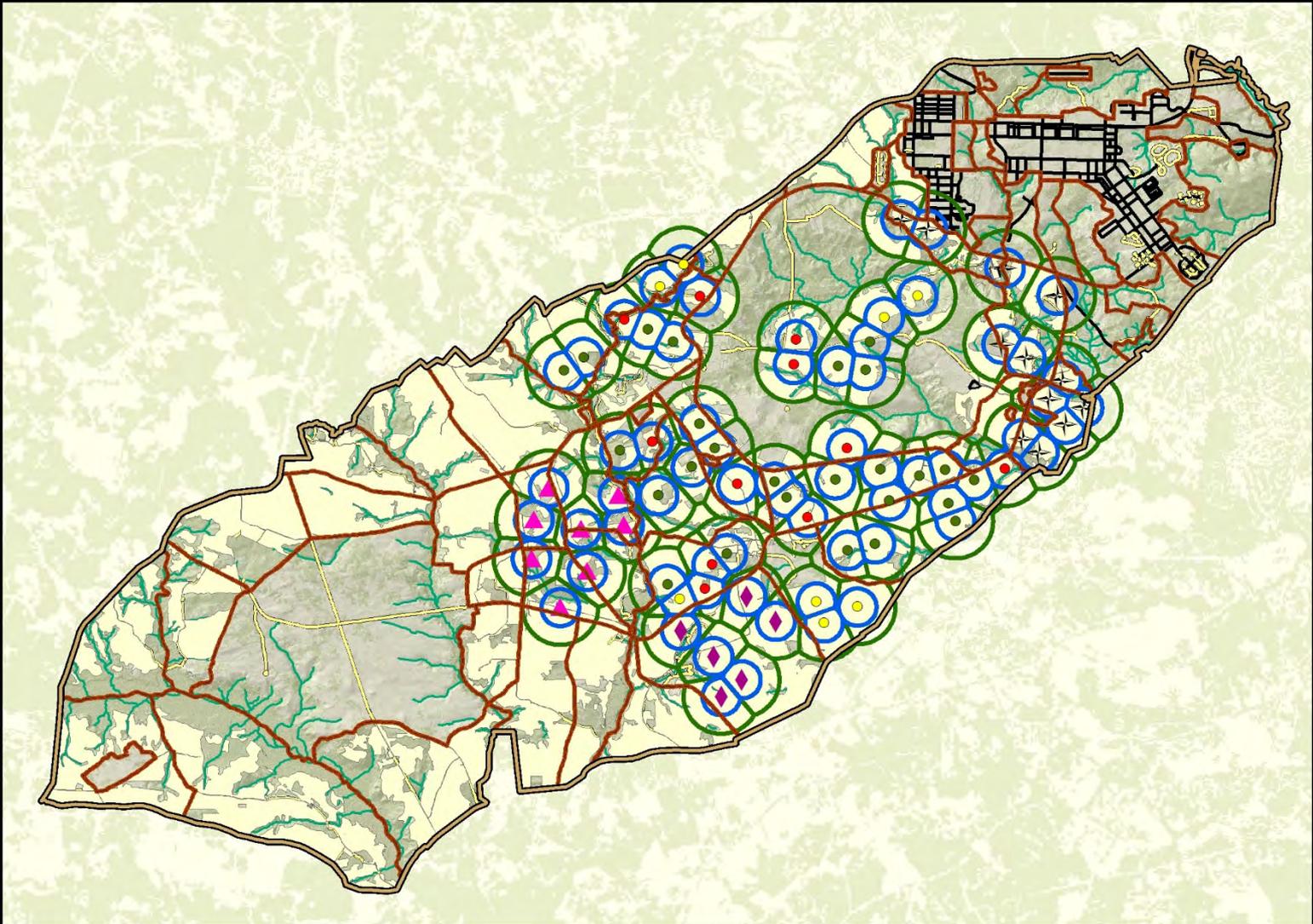
**Fiscal Year**

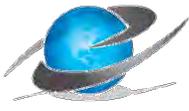
- ◆ 2016
- ✦ 2017
- ▲ 2019

● RCW Future Recruitment HM  
 ● RCW Future Recruitment QM  
 □ RCW Habitat Management Unit

This map was produced by the Fort Gordon Natural Resources Branch 11/9/2015

World Geodetic System of 1984  
 UTM Zone 17 North  
 Units: Meters  
 1:138,000



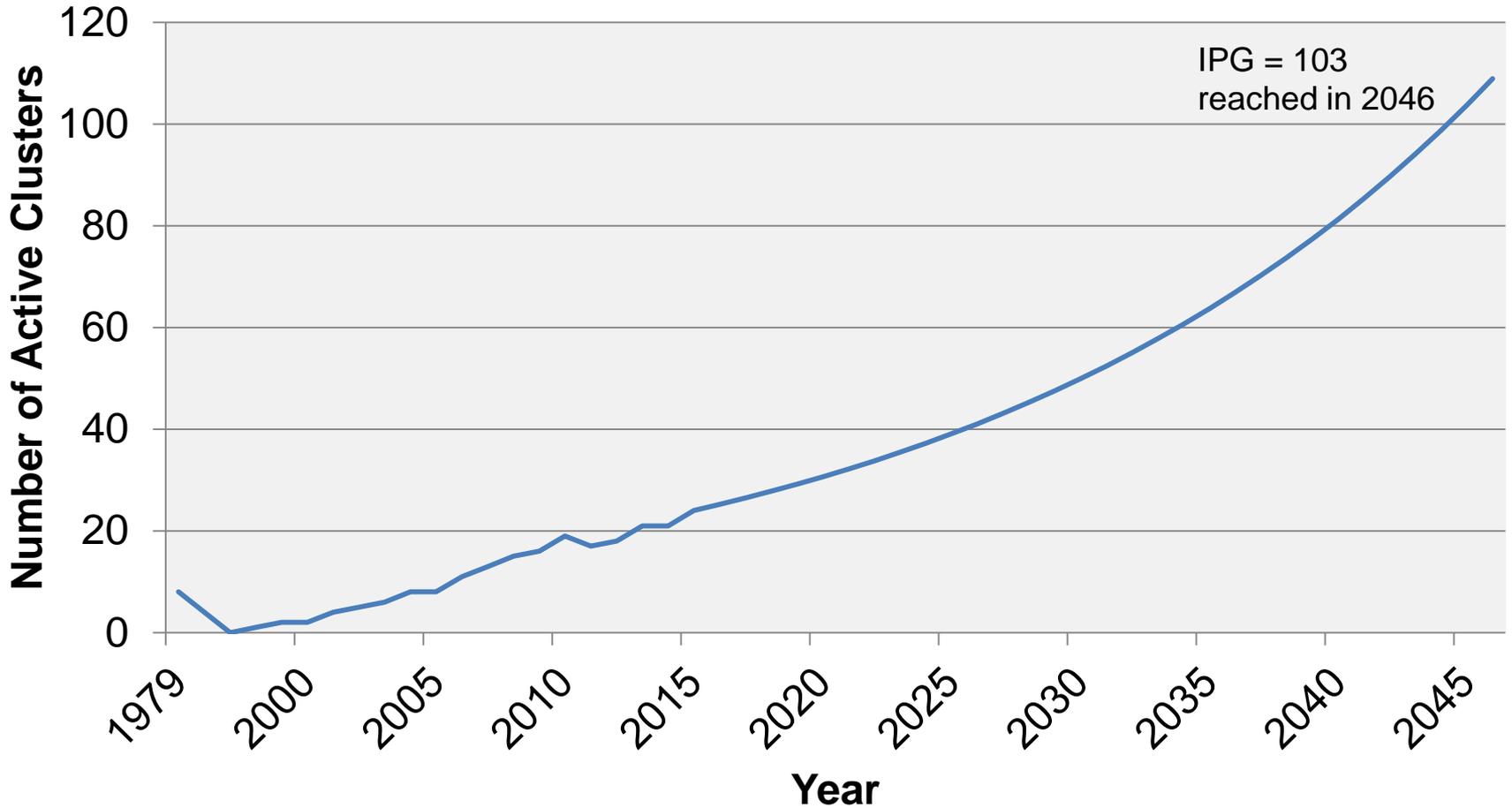


# Target 1-2 Progress Report

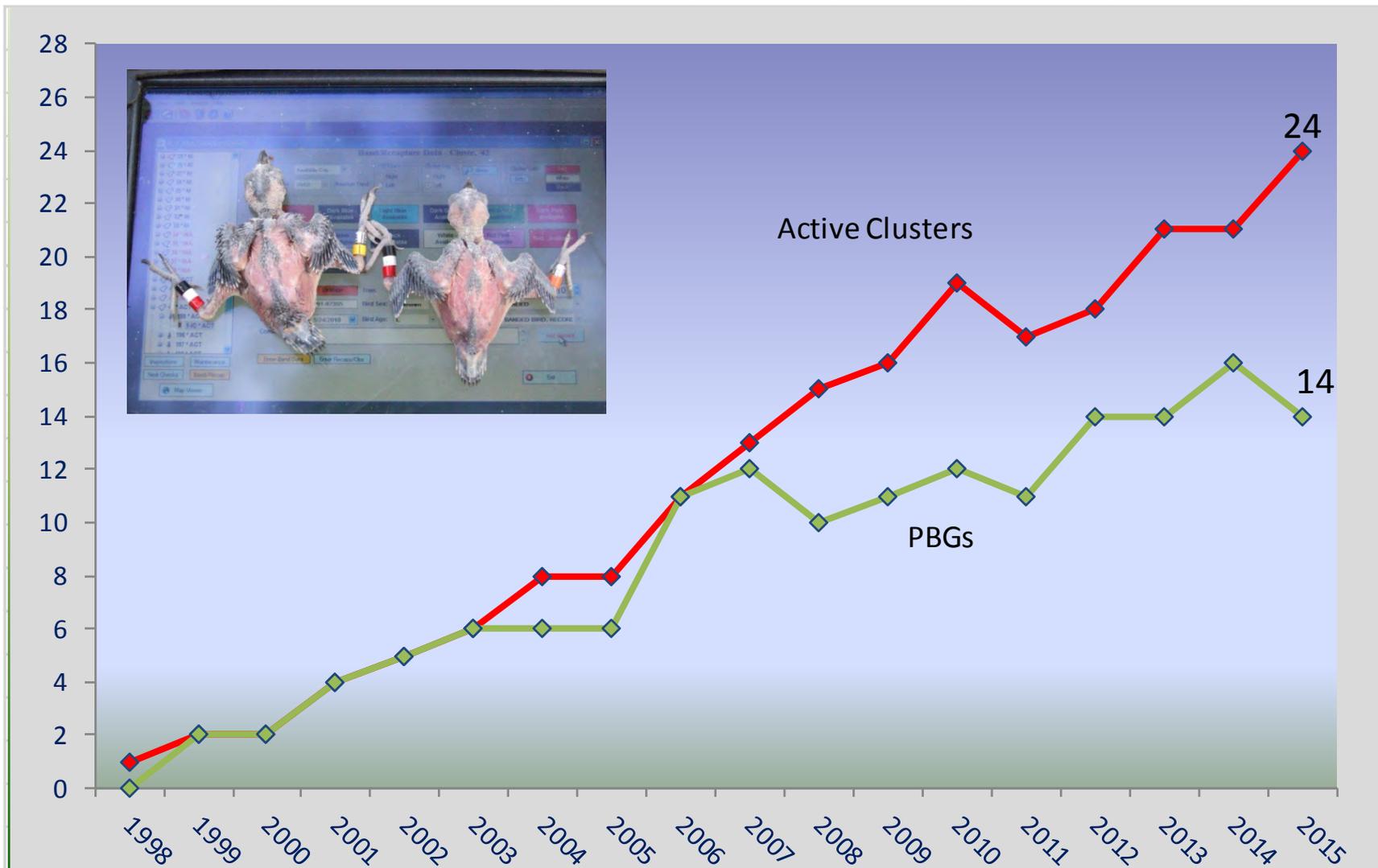


## Target 1-2: Increase RCW population 5-10% annually

Projected 5% Annual RCW Population Growth



## Target 1-2: 24 Active RCW clusters by 2015





# Target 1-1 Progress Report



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## Natural Resources and Training Land Management

**RCW Cluster Centers by Status**

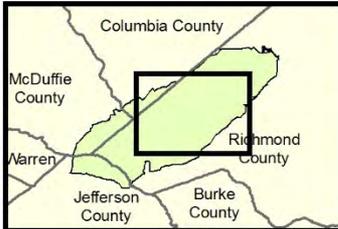
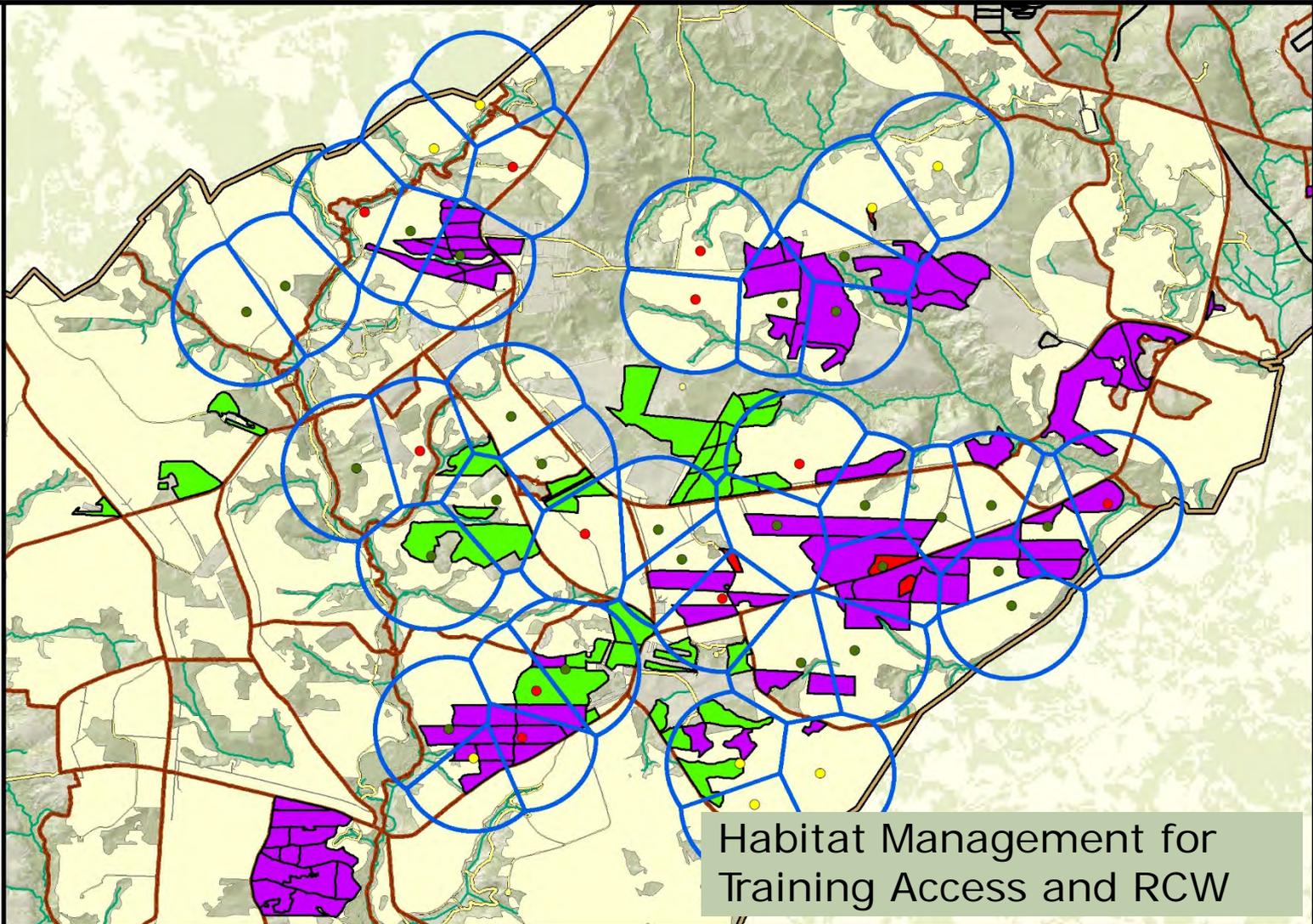
- Active
- Current Recruitment
- Inactive
- 🗺 Installation Boundary
- 🗺 Training Area Boundaries
- 🗺 RCW Half Mile Partitions
- 🗺 NRB Mechanical FY15
- 🗺 NRB Herbicide FY15
- 🗺 ITAM/Range Control Herbicide

This map was produced by the Fort Gordon Natural Resources Branch 11/9/2015

World Geodetic System of 1984  
UTM Zone 17 North  
Units: Meters

1:70,401



Habitat Management for Training Access and RCW

## Targets 3-1 & 3-2 Sustainable Training Lands

Bruce Grant DPTMS

## Targets 3-1 & 3-2 Progress Report

Objective 3: Sustainable Training Lands	Performance Indicator	Freq	Target/Baseline ----- Date	Results Status ----- Comments
<b>Target 3-1:</b> Minimize degradation of training lands and long-term damage to soils, vegetation.	Reduction per year	Annual	Establish baseline as 1 <sup>st</sup> QTR 2011	% Reduction
<b>Action 1:</b> Utilize State Approved Best Management Practices for all LRAM projects sites.	% LRAM Sites with implemented BMPs	Qtr	1 <sup>st</sup> QTR 2011	%
<b>Target 3-2:</b> Increase usable training acres through mitigation of impaired areas by 100 acres per year through 2020.	1. # Acres Mitigated Per year	Annual	519 acres chemical in FY 2014 142 acres mechanical FY 2014	519 Acre 142 Acre

# Targets 3-1 & 3-2 Progress Report



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## Actions Accomplished FY 2015

Installation Sustainability Objectives	Champion Organization
<b>3. Sustainable Training Lands</b>	<b>DPTMS- Range Control</b>
3-1 Minimize degradation of training lands and long-term damage to soils, vegetation	Continue LRAM BMPs
3-2 Increase the training acres through mitigation of impaired areas by 100 acres per year through 2020.	<p><b>FY10</b> – TA 36 (24.3 acres)                      TA 40 (9.3 acres)                      TA 28 (21.2 acres)</p> <p><b>FY11</b> – TA 20 &amp; 38 (36.3 acres) to date cleared.                      TA 37 A site 2 (38 Acres)</p> <p><b>FY12</b> – TA 37A sites 1,2,+4 (65.5 acres).                      FP Golf (23 acres) FP India (10 Acres)</p> <p><b>FY13</b> – TA 21, 26, 36, 37A &amp; 42 (373 acres)</p> <p><b>FY14</b> – TA 23, 30, 29, 24, 46 (519 Acres Herbicide)                      TA 23-26, 28-30, 32, 34-35, 37A&amp;B, 38, 40-42, 45 (142 Acres Mechanical)</p> <p><b>FY15</b> – <b>TA 46, 42, 36, 23</b> (230 Acres Herbicide)  <b>AFP E, G, F, I, C; TA11, 17, 18, 20, 21, 22, 24, 25, 26, 29 &amp; 30, 34, 35, and 37A</b>                      (380 acres Mech. Thinning, Reclamation, Sust/Maint, maneuver trail Sust/Maint)</p>

## Action 2: Accomplished FY 2015

### RCW Cluster Centers by Status

- Active
- Current Recruitment
- Inactive
- + ITAM/Range Control Herbicide

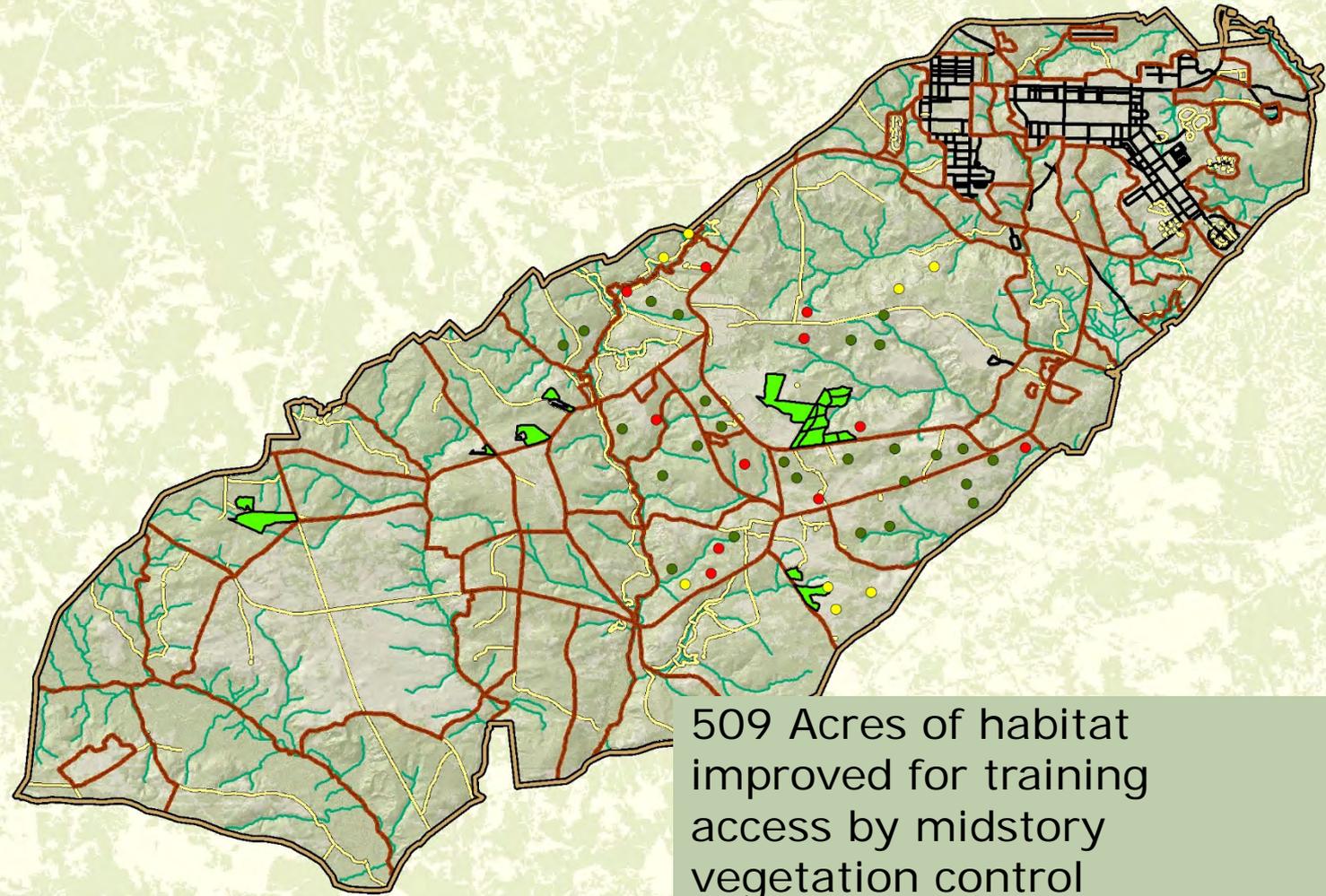
This map was produced by the Fort Gordon Natural Resources Branch 11/9/2015

World Geodetic System of 1984  
UTM Zone 17 North  
Units: Meters

1:138,722

0 1 2 Kilometers

0 0.5 1 Miles



509 Acres of habitat improved for training access by midstory vegetation control



# *Target 9-2 Cultural Resources*



# Review of Sustainability Objectives and Targets



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## Target 9-2 Progress Report

<b>Objective 1:</b> Continue to improve and expand the installation Cultural Resources Program	<b>Performance Indicator</b>	<b>Freq</b>	<b>Target/Baseline</b> ----- <b>Date</b>	<b>Results Status</b> ----- <b>Comments</b>
<b>Target 9-2:</b> Implement requirements of the Integrated Cultural Resources Management Plan 2011-2016	% Complete/ Year	Annual	<b>2016/ 2011</b>	<b>81%</b>
<b>Action 1:</b> Update ICRMP for 5 year revision	100% Complete	Every 5 years	2016/ Next Update due August 2016	<b>100%</b>
<b>Action 2:</b> Joint Tribal Consultation Meeting at Fort Benning, GA	5%Complete	SAF	May 2016	<b>5%</b>
<b>Action 3:</b> Memorandum of Agreement/Mitigation for Signal School Historic District	5% Complete	SAF	30 Sept	<b>5%</b>
<b>Action 4:</b> Resurvey 43 buildings when they reach 50 years in age	85% Complete	SAF	Awaiting Draft Report	<b>85%</b>

## Actions 1 thru 4: Projected for FY 2016 Target 9-2 Progress Report

**Action 1:** Update Integrated Cultural Resource Management Plan for 5 year revision. **Current ICRMP expires in August 2016.**

**Action 2:** Joint Tribal Consultation Meeting at Fort Benning, GA. Fort Benning CRM organizing this meeting for May 2016.

**Action 3:** Memorandum of Agreement/Mitigation for Signal School Historic District. **Initial Section 106 letter to SHPO sent 16Nov15.**

**Action 4:** Resurvey 43 buildings when they reach 50 years in age. Survey completed May 2015. **Awaiting draft report.**

# Actions 3 thru 4: Proposed FY 2015 Target 9-2 Progress Report

Action 3: Signal School Historic District

Action 4: Building Survey





## **Targets 10-1 and 10-2**

### **EPAS Update and SEMS Conformance**

## Target 10-1 Progress Report

Objective #10: Monitoring and Measuring	Performance Indicator	Freq	Target/Baseline ----- Date	Results Status ----- Comments
<b>Target 10-1:</b> EPAS quarterly update.	% of findings closed	Qrtly	100% ----- Ongoing	number of findings closed -----
<b>Action 1:</b> Installation Corrective Action Plan (ICAP) Progress	% complete	Qrtly	2010 ----- Ongoing	% of corrective actions completed. Provide quarterly status updates to IMCOM and EQCC. -----
<b>Action 2:</b> Internal Annual Environmental Performance Assessment (AEPA)	% of deficiencies	Annual	Minimize # of deficiencies	Follow-up on corrective actions through periodic inspections and documentation. Track corrective action status through ICAP.
<b>Action 3:</b> External Environmental Performance Assessment and Assistance System (EPAAS)	% of deficiencies	Every 3 years	Minimize # of deficiencies	Follow-up on corrective actions through periodic inspections and documentation. Track corrective action status through ICAP.

**REFERENCES:**

- AR 200-1, Environmental Protection and Enhancement, 13 December 2007.
- Executive Order 13693 - *Planning for Federal Sustainability in the Next Decade*, 25 March 2015



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## ENVIRONMENTAL PERFORMANCE ASSESSMENT AND ASSISTANCE SYSTEM QUARTERLY REPORT

Installation Corrective Action Plan Update

**Target 10-1**

DPW, Environmental Division

# ICAP Finding Summary

## (EPAS/AEPA)

Compliance Area	Open Findings	Location	Finding Summary	Corrective Actions
Air Emissions	1 – Class I	Fort Gordon - Power Plants, Akima Global	Fuel gauge on bldg 310 generator not working for last 2 years. (Permit requirement)	DDEAMC project in process to replace the Bldg. 310 generator (4283 submitted)
Environmental Management System	1 – Class I 6 – Class III 2 – NC 6 - Obs	Fort Gordon/ Gillem Enclave	Operational Controls not maintained IAW GC Env Policy; Environmental Officer/Building Energy Monitors not appointed; HazCom/HW training not completed by assigned personnel	Actions to close EMS findings in process; Re-declaration of conformance allowed once AEC validates corrective actions have been implemented
Hazardous Materials/Hazardous Waste	2 – Class I 3 – Class III	Fort Gordon/ Gillem Enclave	HW containers in the Fisher Dental Lab were improperly managed. HW training needed at Gillem Enclave	<i>Working with Preventive Medicine to correct finding; HW training to be completed</i>
Storage Tanks/Petroleum Oils and Lubricants (POL)	2 – Class I	Fort Gordon	Bldg. 310 Heating Oil UST has inadequate containment; No confirmation or records that some USTs have been removed	<i>Bldg. 310 UST included in regular inspection/monitoring; A 4283 has been submitted requesting survey of unknown tank sites; a phased plan for tank removals has been prepared and submitted to DPW and Real Property.</i>
Spill Prevention (SPCC)	2 – Class I 1 – Class III	Fort Gordon/ Gillem Enclave	Tank integrity testing not conducted on a regular schedule; Used Cooking oil tank has no secondary containment. SPCC Training needed at Gillem Enclave	<i>Schedule developed for required tank testing; Removal of used cooking oil tanks requires BASOPs contract mod; Coordinating for SPCC Training at Gillem Enclave</i>
Water Management	4 – Class I	Fort Gordon/ Gillem Enclave	Failure to meet MS4 permit requirements. Open Notice of Violation.	Perform Best Management Practices (BMPs) and properly maintain Stormwater outfalls to meet permit requirements. (Contract in progress to address outfalls).



# Corrective & Preventive Actions



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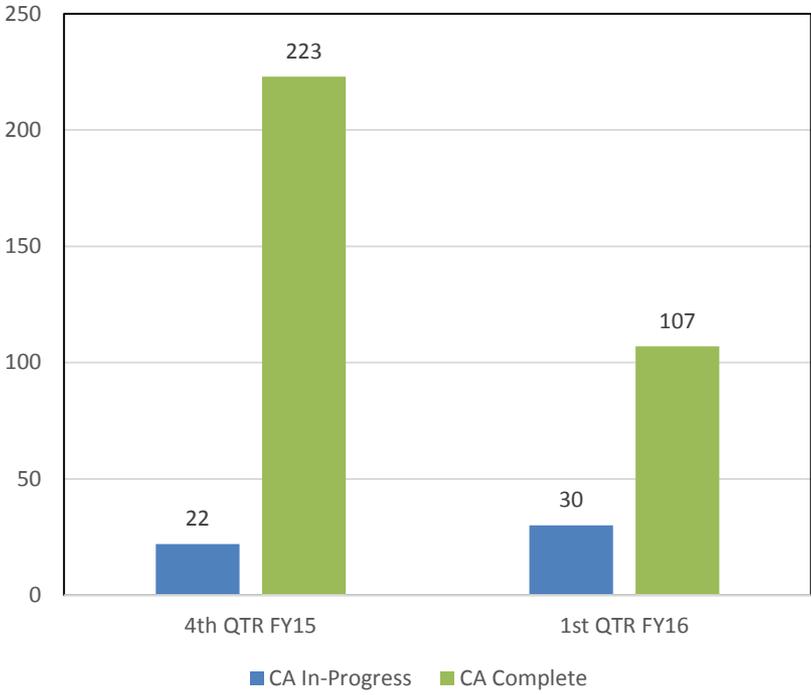
- Goal:** Minimize the number of repeat and long term findings by identifying root causes and implement measures to ensure compliance.

## 2015 Ongoing Actions

➤ 2015 TRAINING SCHEDULE		
# of Classes Offered	Classes Conducted	Name of Class
2	1	Environmental Officer Course
4	4	Hazardous Materials/ Waste Management
11	10	Hazardous Waste Management Refresher
4	4	SPCCP (Spill Training)
4	3	Industrial Stormwater Training
12	11	ACM & LBP Awareness Training at Self-Help
4	4	Environmental Brief in the Pre-Command course
0	16	ACM Awareness

Note: Classes not conducted if minimum enrollment is not met.

Findings Corrective Action Status



\*Beginning 1<sup>st</sup> QTR FY16, all findings closed (corrective actions complete) from FY05-FY11 dropped from graph.

\* Two nonconformances and six observations from the 5-6 Nov 15 EMS audit added.

## SEMS Conformance Target 10-2

DPW, Environmental Division

## Target 10-2 Progress Report

Objective #10: Monitoring and Measuring	Performance Indicator	Freq	Target/Baseline ----- Date	Results Status ----- Comments
<b>Target 10-2:</b> Maintain SEMS Conformance	% Conformance with ISO 14001	Annual	100% Conformant ----- Ongoing	External SEMS audit completed 6 Nov 15. EPAAS audit scheduled for 7-11 Dec; Per AEC, do not re-declare EMS conformance until the EPAAS team validates corrective actions have been implemented and are effective at closing EMS major non-conformances.
<b>Action 1:</b> Maintain document control and operational controls.		Monthly	Ongoing	Noise Plan update completed May 2015. Draft Hazardous Waste Management Plan in review. Mechanism in place to document and track incoming and outgoing actions (NOIs, NOVs, Action summary).
<b>Action 2:</b> Monitor status of objectives and targets.		Qrtly	Ongoing	Presented to EQCC Quarterly.
<b>Action 3:</b> Conduct installation-wide Environmental Performance Assessment.		Annual		EPAAS audit scheduled for 7-11 Dec 15. AEPA to be scheduled mid-FY16.

## Target 10-2 Progress Report - continued

Objective #10: Monitoring and Measuring	Performance Indicator	Freq	Target/Baseline ----- Date	Results Status ----- Comments
<b>Action 4:</b> Review installation environmental aspects and impacts.		Annual		To be scheduled for Cross-Functional Team (CFT).
<b>Action 5:</b> Hold Quarterly CFT Meetings.		Qrtly	On Track	1 <sup>st</sup> QTR CFT meeting held 2 Nov 2015.
<b>Action 6:</b> Update SEMS Manual and EMS Procedures in accordance with ISO 14001.		Annual	On Track	FY16 review and update underway.
<b>Action 7:</b> Conduct Management Review of SEMS.		Annual	Ongoing	Scheduled for 4 <sup>th</sup> Quarter EQCC Meeting.



# Environmental Topics, Updates & Special Reports

DPW-Environmental

## FY 2016 Environmental VENQ Funding

- IMCOM used a BRM-EQ model to determine funding level
  - Result significant funding shortage in FY16
    - Projects submitted \$5,502,100
    - Initial funding level \$4,226,100
    - Shortfall Conservation \$517,200
    - Shortfall Compliance \$739,400
    - Shortfall P2 \$19,400
  - **Total Critical Shortfall \$1,276,000**

## FY 2016 Environmental Reimbursable Funding

### Forestry in FY16

- Projects submitted \$1,235,510
- Initial funding level \$313,500
- Shortfall Forestry \$922,010

### Fish and Wildlife in FY16

- Projects submitted \$60,500
- Initial funding level \$60,500

- **Total Critical Shortfall \$922,010**

## Environmental Performance Assessment & Assistance System Background

- ❖ USAEC executes the EPAAS program at all active Army installations worldwide on a three-year cycle. (*External EPAAS*)
- ❖ EPAAS is used as a tool to provide commanders a comprehensive look at environmental risks associated with their facilities and missions.
- ❖ EPAAS assesses both the Environmental Management System (EMS) and compliance aspects of the installation's environmental program.
- ❖ Findings are documented in the Installation Corrective Action Plan (ICAP) and tracked until closed.
- ❖ Army requires installations to report the progress of open Class I findings quarterly.
- ❖ Army requires installations to update the ICAP annually.



## EPAAS Schedule

~ Start	~ Finish	AEC Action for USAG Ft Gordon	Garrison Action for AEC
2 Oct		Initiate contact, share overview and introduce team and areas for review	Provide contact info for Env Program POC
5 Oct	6 Nov	Open AKO page for Env Program documents upload	Begin/complete uploading documents IAW OPROD during this period
9 Nov		EPAAS Team begins review of material	
16 Nov		Team members initiate contact with USAG Ft Gordon media POC counterparts	Collaborate with EPAAS team members preparing for visit
16 Nov		Team lead provides update to USAG Ft Gordon EPAAS POC on assessment progress	EPAAS POC provides update to AEC team lead on visit hosting progress
	1 Dec	Finalize visit execution requirements	Finalize visit support requirements
7 Dec		GC in-brief/Review audit plan/Field survey	Scheduled well in advance so GC/Deputy Cdr can participate
7 Dec	10 Dec	Site visits/Records reviews/Interviews	Assist/Participate as coordinated
Date TBD		Conduct EPAAS visit review via VTC with AEC commander participation	Scheduled well in advance so GC & appropriate staff can participate
21 Dec	8 Jan	Conduct review of/comment on draft findings and media summaries	Conduct review of/comment on draft findings and media summaries
11 Jan	22 Jan	EPAAS Team responds to comments, finalizes findings	As needed provide comments clarification for response preparation
	25 Jan	Final EPAAS Results Memo; Provide Draft Installation Corrective Action Plan	As needed coordinate with AEC team lead to update ICAP draft
25 Jan	28 Feb	Monitor/Assist as requested	Complete ICAP Update
IAW DAIM-ZA 12 Oct '10 Memo		Monitor/Assist as requested	Complete Installation Action Plan actions

## EPAAS FINDINGS DEFINITIONS

### Compliance Findings Definitions

- **Class I**: Noncompliance with existing Federal, State, or local regulation (effective within next 6 months); Executive Order (EO) noncompliance with future regulatory requirement (effective within next 6 months); or noncompliance with EO directed at installation.
- **Class II**: Noncompliance with future regulatory requirement (effective in 6 months to 2 years).
- **Class III**: Noncompliance with Army/DOD regulation, SOP, or guidance; inconsistent with good management practice; or noncompliance with EO directed at the Army.
- **Positive**: Above and beyond regulatory requirements, transferrable, of measured benefit, and not previously awarded.

### Environmental Management System Findings Definitions

- **Conformance**: Management system conforms to ISO 14001 standard
- **Major Nonconformance**: EMS is missing element of standard or has systemic problem.
- **Minor Nonconformance**: EMS conforms with minor exception.
- **Observation**: Optional Comment. Used to provide information to enhance or improve EMS.

## Environmental Performance Assessment & Assistance System

### Assessment Phase

- Start Date: 7 Dec 2015
- End Date: 11 Dec 2015
- Daily status outbriefs (0800 in 14600 conference room)

### Review Phase

- EPAAS Team develops executive summary of findings.
- Date TBD- VTC Outbrief (finding results)

### Response Phase

- Add findings to Installation Corrective Action Plan (ICAP).
- Prepare & submit response to findings.
- Monitor to assure findings are closed.
- Brief ICAP Progress to EQCC quarterly.

## Timeframes for Completion of Corrective Actions

Type of Compliance Corrective Action	Guideline (Time to Correct)
Records	3 months
Operational practices	4 months
Facility projects accomplished in-house	6 months
Training	6 months
Testing/sampling	6 months
Program management	9 months
Permit revision	9 months
Supplies/equipment	9 months
Surveys/studies	12 months
Plans accomplished by contract	18 months
Facility projects accomplished by O&M contract or unspecified Minor Military Construction	18-24 months
Facility Projects accomplished by MILCON contract	84 months

### EMS/SMS Non-Conformances

Corrective actions for all major non-conformances **must be completed within 6 months of the finding** in order for the installation to retain its conformance status. Most EMS non-conformances can be corrected with in-house resources and/or operational changes. Commands will monitor the completion of their installations' major non-conformances and will revoke an installation's conformance status if the installation does not complete the corrective actions for its major non-conformances within the 6 month timeframe. Commands will immediately notify DAIM-ISE of any such loss of conformance status.

## DPW Environmental Division EPAAS Preparation Actions

- IPR with Garrison Commander
  - 6 November 2015
  - 30 November 2015
- Distributed EPAAS Newsletter 20 Oct
- Staff Prep Meeting 22 Oct
- Distributed Task Order 23 Oct
- Upload Program documents Complete
- EPAAS Team coordinate site schedule with DPW ED In-Progress
- EPAAS Team finalize site schedule In-Progress

\* *The EPAAS Team Work area will be located in Bldg. 14600 Conference Room*

## Units/Activities Inspection Preparation List

1. Make sure all SOPs, procedures, checklists, management plans and inspection records are updated.
2. Contact the Environmental Division for a copy of any previous deficiencies sited during the last assessment.
3. Review and make sure you have implemented corrective actions for all deficiencies.
4. Know who your Environmental Officer(s) is(are).
5. Make sure all personnel are properly trained and certifications are current.
6. Familiarize yourself with the Installation Environmental Policy, GC Policy #69.
7. Make sure your area is organized and free of improperly disposed recyclables.
8. All hazardous materials and waste should be properly stored and managed.
9. Make sure personnel are available to escort the assessors and provide access.
10. All waste should be properly stored and labeled.
11. EPAAS daily outbriefs will take place in the 14600 DPW Conference Room  
8 December – 10 December, 0800 - 0830.

## Army Environmental Command (AEC) External EPAAS Assessment

- 7-11 December 2015

## 2016 Earth Faire

- 22 April 2016 – 5K & 3K run series
- 23 April 2016 – Educational Displays and Recyclable Art



# Summary of Guidance and Directives

Next Meeting will be:

FY 16 2<sup>nd</sup> QTR EQCC Meeting

2 March 2016

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GC Conference Room, Darling Hall



## Closing

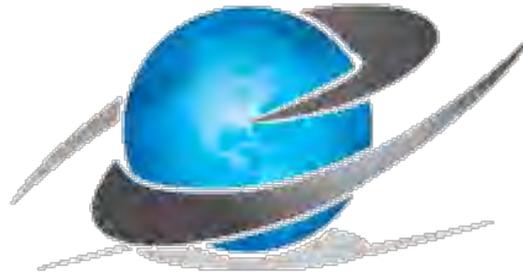
COL Anderson



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# INSTALLATION MANAGEMENT COMMAND



**FORT GORDON**

SUSTAIN, SUPPORT, DEFEND