



Sustainability and Environmental Monitoring Plan (SEMP) FY13 Annual Report

February 2014



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Introduction



This report contains fiscal year 2013 (FY13) quarterly and annual results for monitoring conducted by the Joint Readiness Training Center (JRTC) and Fort Polk and the Kisatchie National Forest (KNF) under the Sustainability and Environmental Monitoring Plan (SEMP), a performance based mitigation and monitoring plan jointly implemented by both agencies.

The report also contains a summary of performance for 10 of 14 SEMP objectives and information on implementation status and next steps for the SEMP.

The monitoring results reported here were reviewed by the JRTC-Fort Polk and KNF Joint Mitigation and Monitoring Oversight Committee (the Oversight Committee) at quarterly meetings held at Fort Polk between 31 January 2013 and 30 January 2014. In addition, during FY13, the Oversight Committee reviewed and approved four new monitoring tasks under SEMP Objective 2-3, Louisiana Pine Snake Conservation. These Objective 2-3 monitoring tasks are described on the FY13 annual report pages on the SEMP website maintained by Fort Polk at <http://www.jrtc-polk.army.mil/SEMP/index.htm>

This report is intended to help meet commitments by the JRTC-Fort Polk and KNF to make available monitoring results under the SEMP to members of the public.



Oversight Committee Points of Contact



Oversight Committee Membership



- Member organizations specified in 2005 Army-USDA MOU
- Fort Polk members:
 - DPW-ENG (formerly TSD)
 - DPW-ENRMD, CB
 - DPW-ENRMD, NRMB
 - DPW-ENRMD, CMB
 - DPTMS
 - PAIO
 - SJA
 - PAO
 - G3
- KNF members:
 - Supervisor's Office
 - Calcasieu District Office
 - Kisatchie District Office
- Ad hoc members (not listed in MOU)
 - DPW-MP
 - USACE-FW District
 - NEC



SEMP Objective POC List



Obj.	Short Description	Lead Office	POC 1 *	POC 2 *
1-1	Minimize or avoid degradation of training lands and resources thru identification and correction of maneuver damages and Soldier education.	DPTMS / ENRMD	Ron Semerena / Kittie Stanger	Wayne Fariss
1-2	Sustain training land conditions and soil productivity thru land rehabilitation and maintenance and watershed management practices.	DPTMS (ITAM) / ENRMD	Ron Semerena / Kittie Stanger	Wayne Fariss
1-3	Protect/maintain high water quality thru maintenance of stream crossing structures, roads, trails and sediment basins; and by restrictions within streams and wetlands.	DPW / ENRMD	Ed Ducote	Wayne Fariss
2-1	Promote recovery of Vernon-Fort Polk RCW population through cooperative management and monitoring and Soldier education.	ENRMD / USFS	Ken Moore	Jonny Fryar
2-2	Provide high-quality habitat for the RCW and other species native to the longleaf pine landscape. Use prescribed fire and thinning to maintain/achieve DFCs.	ENRMD / USFS	Bruce Martin	Jonny Fryar
2-3	Promote viability of the Louisiana pine snake through cooperative management, Soldier education, and construction project planning.	ENRMD / USFS	Chris Melder	Jonny Fryar
2-4	Protect rare plants and wetlands through identification, marking and monitoring of hillside seeps and bogs (bogs marked in LUA only).	ENRMD / USFS	Wayne Fariss	Doug Rhodes
3-1	Avoid/minimize impacts to environmentally sensitive resources and promote sustainability by integrating Master Planning and environmental concerns.	DPW / ENRMD	Greg Prudhomme	Wayne Fariss
3-2	Ensure that new facilities are designed and constructed to comply with CWA, CAA, ESA and NEPA through project design and construction phase monitoring.	DPW / ENRMD	Greg Prudhomme	Wayne Fariss / Fred Hartzell
4-1	Support public recreation and multiple use activities on Polk and Peason WMAs, the LUA and SLUA through public information, scheduling and Soldier education.	DPTMS / USFS	Ron Semerena	Bruce Williams
4-2	Protect quality of life for residents in or near the installation boundaries through noise monitoring; boundary markings, fire response and road repair/upgrades.	ENRMD / USFS	Bruce Martin	Phil St. Romain
4-3	Avoid risks to public safety and conflicts with civilian activities in the LUA and SLUA.	G3 / USFS	Steve Chadwick / Paul Wilkinson	Bruce Williams
5-1	Jointly monitor implementation and effectiveness of EIS mitigation measures.	ENRMD / USFS	Charles Stagg	Doug Rhodes
5-2	Jointly evaluate and report results, and adapt management accordingly.	ENRMD / USFS	Charles Stagg	Doug Rhodes

Note: names in bold denote changes since last quarter.



Objective 1-1

Quarterly and Annual FY13

Monitoring Results

Maneuver Damage Control



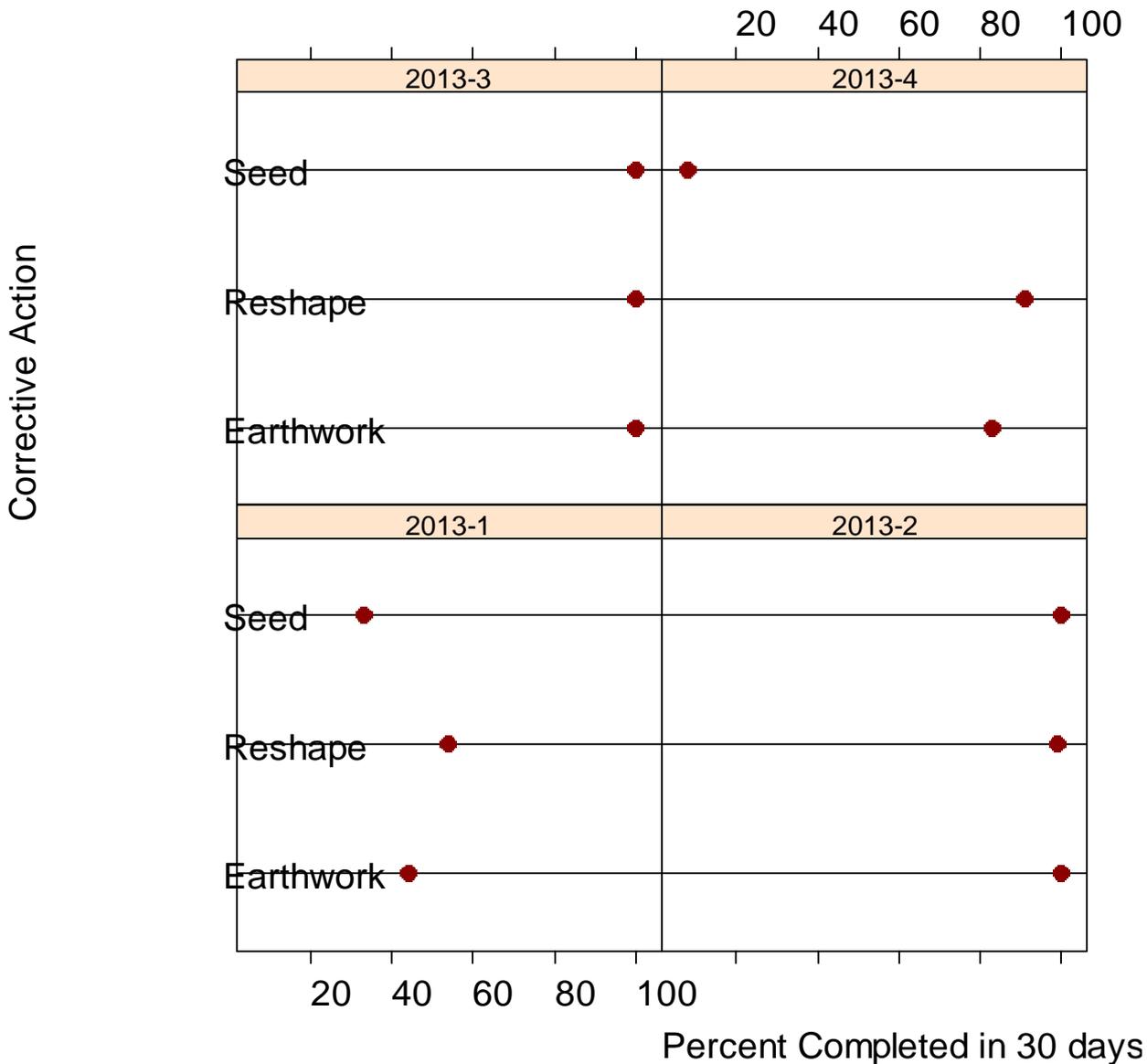
Objective 1-1 Performance Results



Task#	Metric	Reporting Frequency	Performance Target Criteria			Performance Results			
			Green	Amber	Red	1 QTR 13	2 QTR 13	3 QTR 13	4 QTR 13
1-1.1	Percent of training exercises for which maneuver damage inspections were accomplished; and percent of training exercises for which adequate time was allocated on the training calendar for maneuver damage inspections.	Quarterly	Inspections were fully completed for 100% of training exercises (home station and rotational events).	Inspections were fully completed for 80 - 99% of training exercises (home station and rotational events).	Inspections were completed for < 80% of training exercises (home station and rotational events).	Green (100%)	Green (100%)	Green (100%)	Green (100%)
1-1.2	Percent of repairs/corrective actions completed within 30 days from the date that damages were identified; and percent of required repairs for which adequate time was allocated on the training calendar.	Quarterly	>75% of corrective actions are completed in 30 days or less.	50% - 75% of corrective actions are completed in 30 days or less.	< 50% of corrective actions are completed in 30 days or less.	Red (167 / 357 = 47%; "other" and "no access" cited as reasons for repair delays)	Green (99 / 100 = 99%)	Green (91 / 91 = 100%)	Amber (134 / 193 = 69%)
1-1.4	Trends for frequency, type and severity of maneuver damages.	Quarterly	N/A	N/A	N/A	See trend (n=175)	See trend (n=81)	See trend (n=86)	See trend (n=141)
1-1.5	Percent of corrective actions that were determined to be effective based on site re-inspections.	Quarterly	> 90 % of damage repairs are effective.	75-90% of damage repairs are effective	< 75 % of damage repairs are effective.	Green (100%)	Green (100%)	Green (100%)	Green (100%)
1-1.6	Trends for violations of range regulations/permit conditions for environmental protection.	Quarterly	N/A	N/A	N/A	See trend (n=6; bivouacking, digging or driving thru RCW clusters; stringing concertina wire around RCW cavity tree; construction of counter-mobility/survivability position)	See trend (n=0)	See trend (n=0)	See trend (n=10; bivouacking, digging or driving thru RCW clusters)
1-1.7	Percent bare ground for "sandbox" (SB) areas and forest maneuver (FM) areas	Annually	Upper 95% confidence limit of the median percent bare ground is < 20% SB / 5% FM	Upper 95% confidence limit (CL) of the median percent bare ground is \geq 20% SB / 5% FM, and the median	Median percent bare ground is > 20% SB / 5% FM	TBD (Annual)	TBD (Annual)	TBD (Annual)	Green (FM: median = 0, upper CL = 0.0; SB: median = 2.8, upper CL = 6)
1-1.8	Number of new historic damage sites identified annually.	Annually	< 15 historic sites identified per year.	15-30 historic sites identified per year.	> 30 historic sites identified per year.	TBD (Annual)	TBD (Annual)	TBD (Annual)	Green (2 historic sites)



Task 1-1.2: Percent of Corrective Actions Completed Within 30 Days by Fiscal Quarter and Corrective Action, FY13



SEMP Task 1-1.2: Maneuver Damage Repair Annual Results, FY13



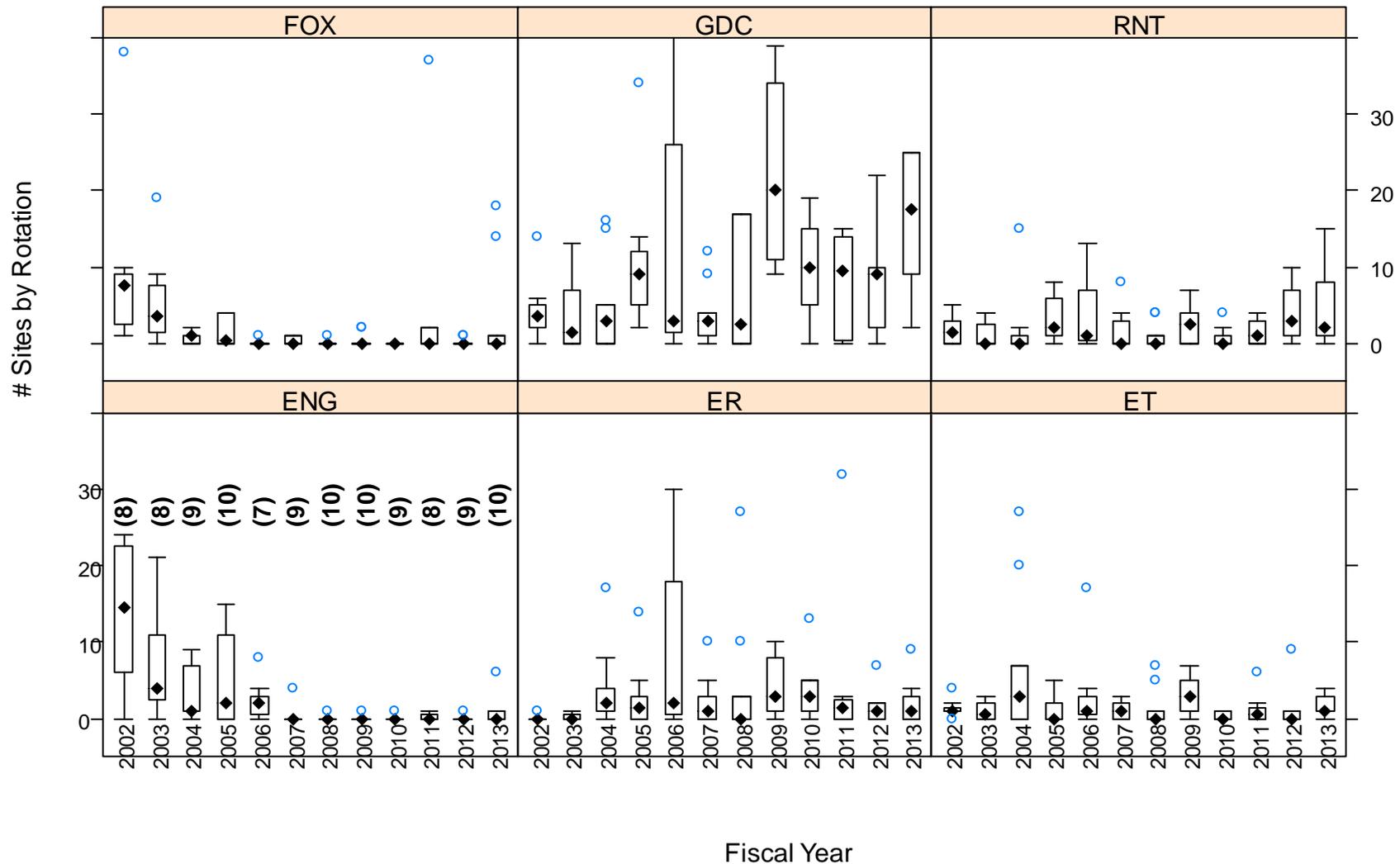
Corrective Action	No. Assigned	No. Pending < 30 days Old	No. Completed in ≤ 30 Days	% Completed in ≤ 30 Days
Reshape	415	13	331	80
Seed	145	36	69	48
Fertilize	144	37	68	47
Earthwork	180	10	109	61
Other	10	1	8	80
TOTAL	750	60	517	69

SEMP Task 1-1.2 Performance Target Criteria:

<p>Green: >75% of corrective actions are completed in 30 days or less.</p>	<p>Amber: 50% - 75% of corrective actions are completed in 30 days or less.</p>	<p>Red: < 50% of corrective actions are completed in 30 days or less.</p>
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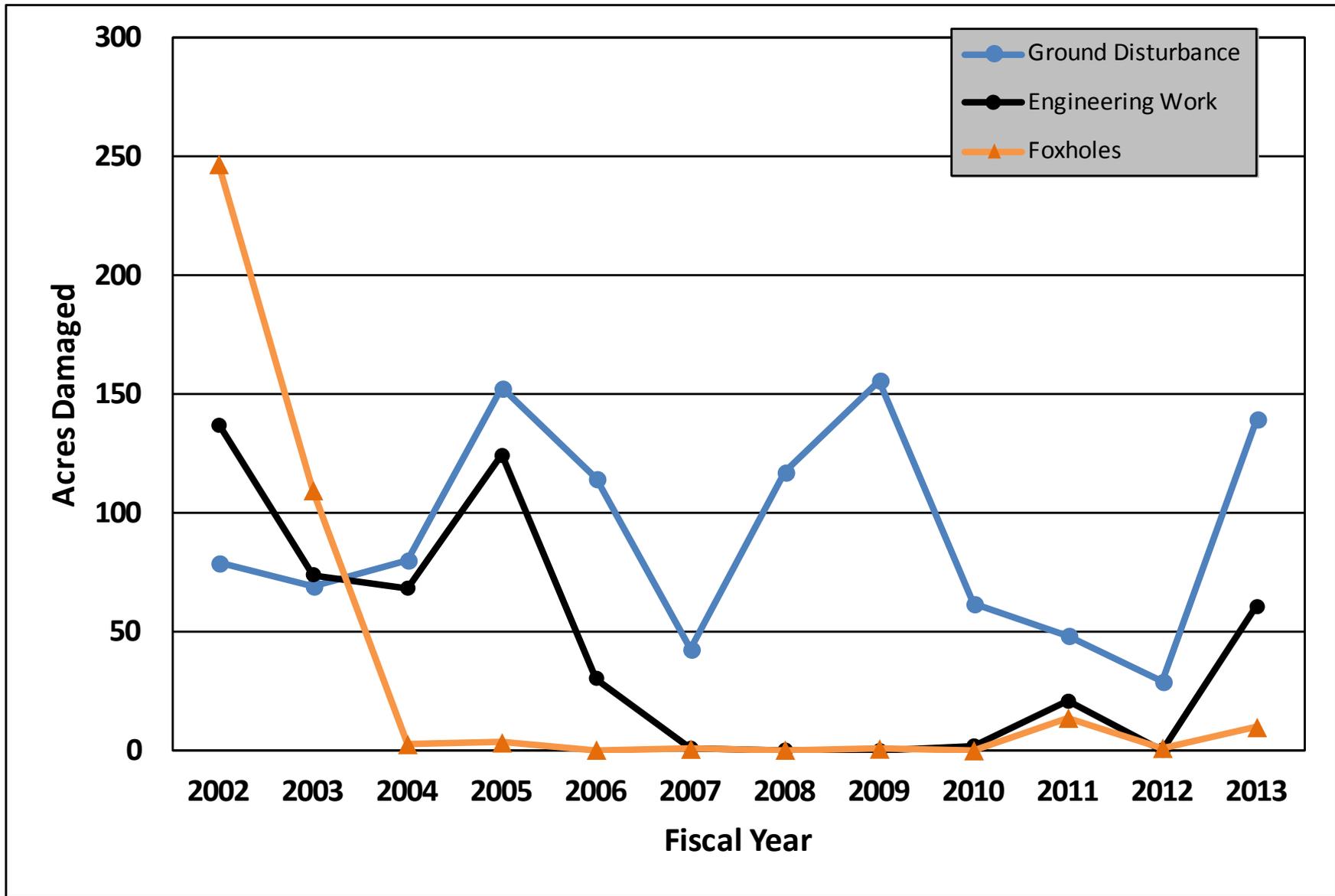
Task 1-1.4: Distribution of Sites with Specified Damage Type Observed by Rotation, 2002-2013, (y-axis truncated at 40)



FOX = foxhole/hasty positions; GDC = ground disturbance/cover loss; RNT = rutting/new trail; ENG = engineer work/deliberate defensive positions; ER = existing road; ET = existing trail

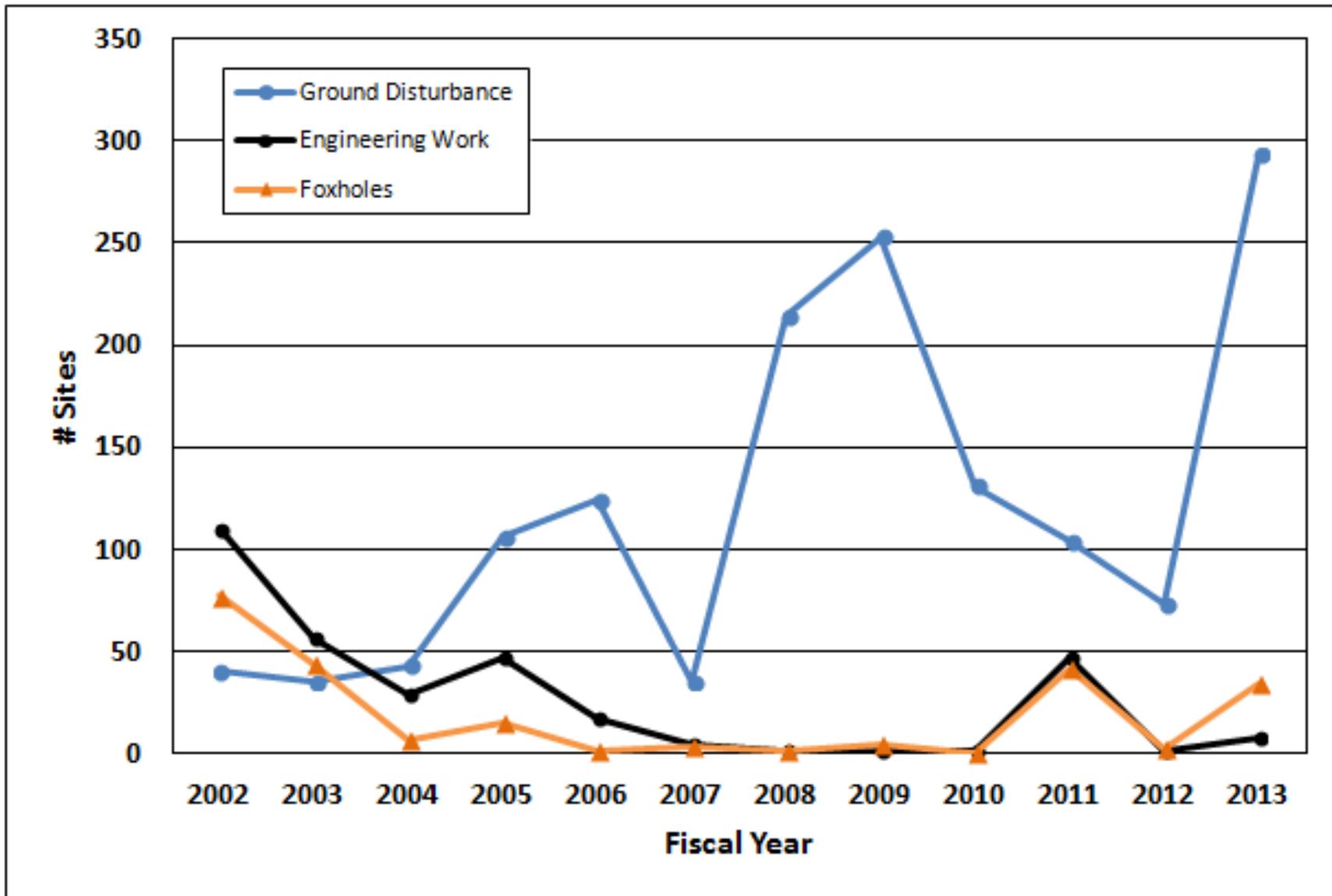


Task 1-1.4: Total Acres of Specified Maneuver Damage Types, 2002-2013



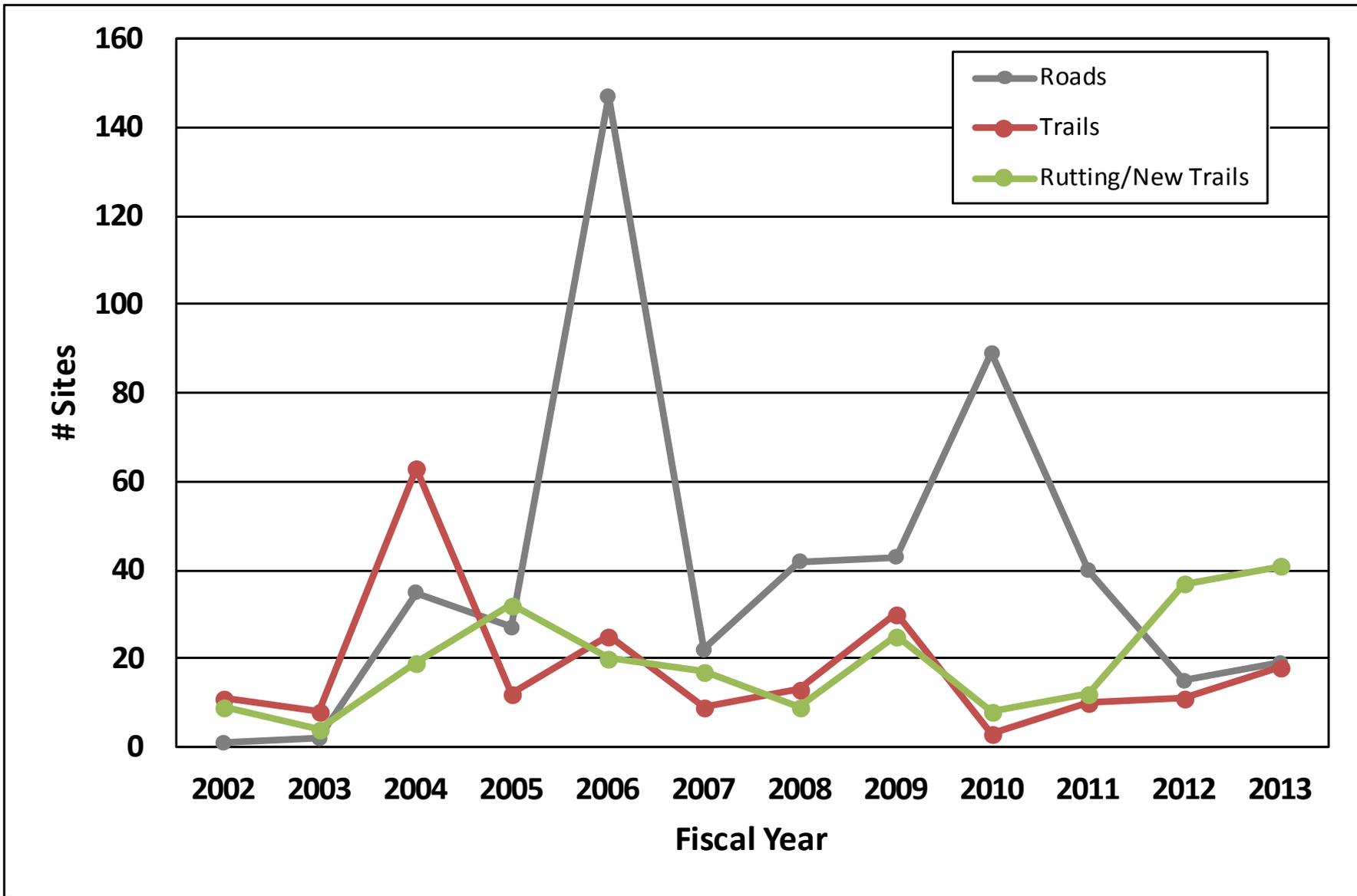


Task 1-1.4: Total Number of Sites with Specified Maneuver Damage Types, 2002-2013



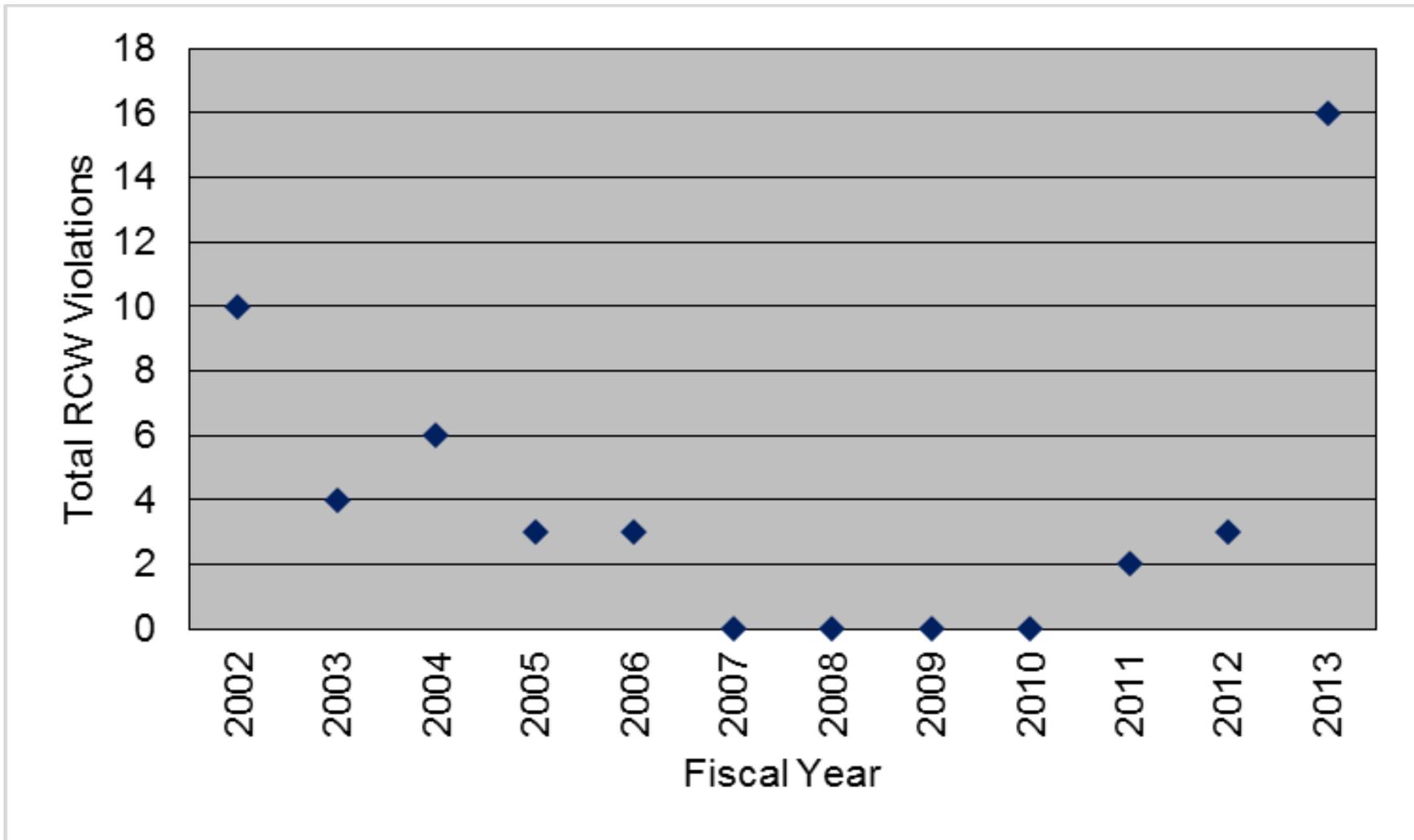


Task 1-1.4: Total Number of Sites with Specified Maneuver Damage Types, 2002-2013



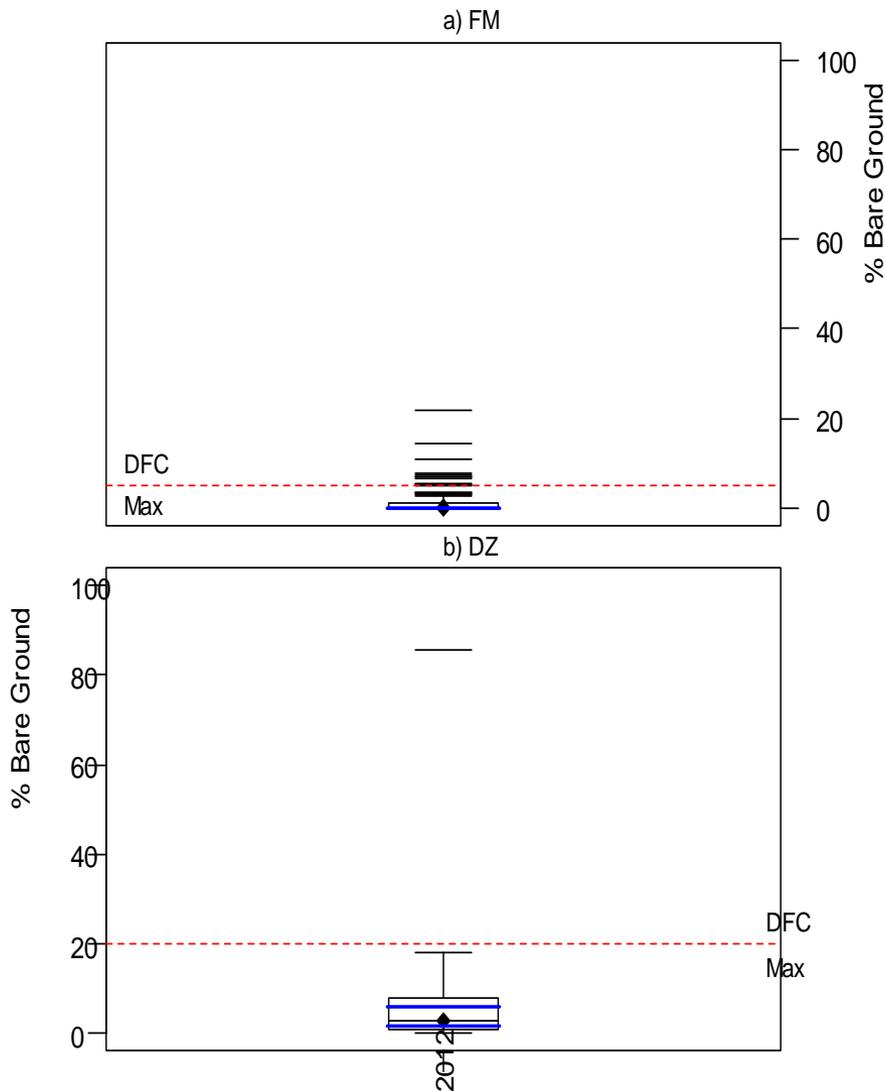


Task 1-1.6: Number of RCW Violations by Fiscal Year





Task 1-1.7: Distribution Of Percent Bare Ground at RTLA Sample Sites Within Forest Maneuver (FM) Areas and Drop Zones (DZ) on Fort Polk's Primary Training Lands During 2012



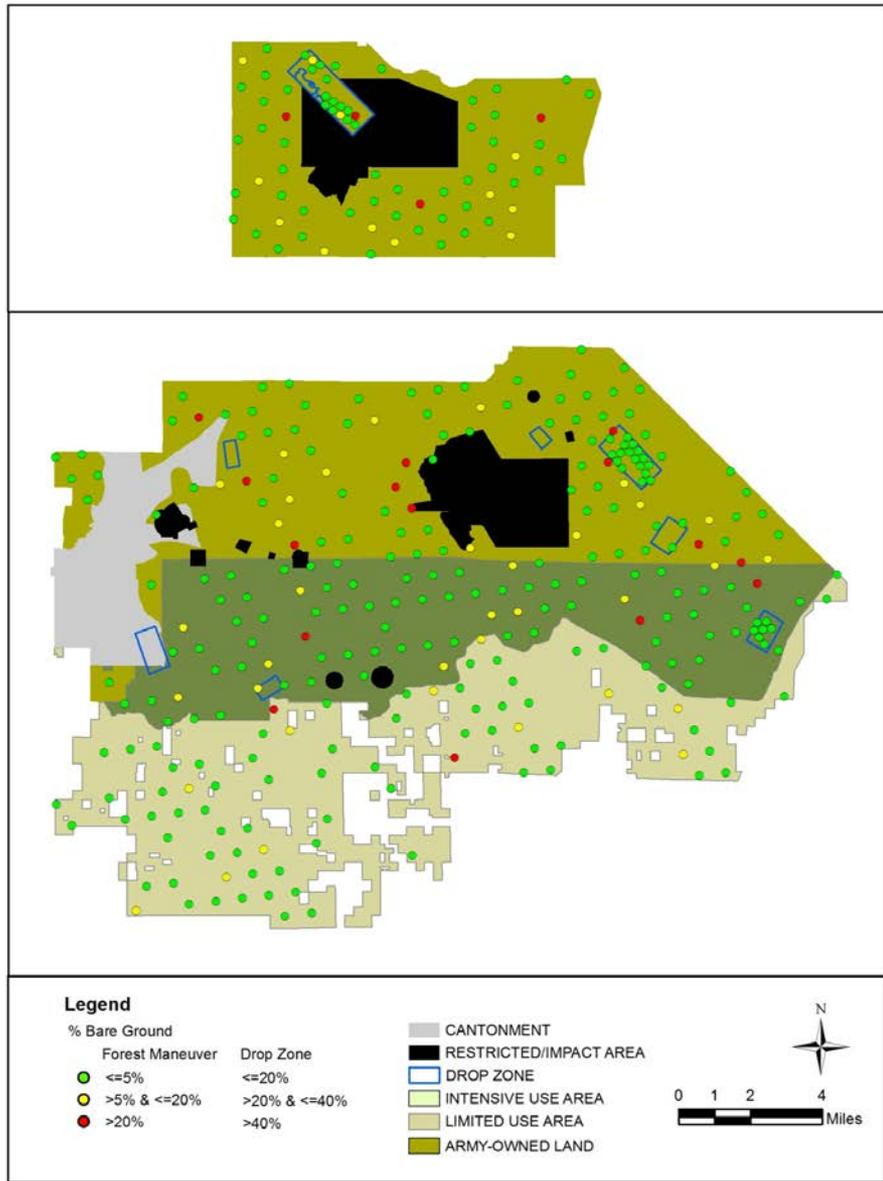
How to Interpret The Chart:

The box represents the inner quartile range (25th to 75th percentiles), and upper and lower whiskers extending from the box represent the smallest and largest observations within one step (1.5 times inner quartile range).

The median (◆) is marked by a line through the box, extreme values by horizontal bars (—), one-sided upper and lower 95% confidence limits on the median by blue lines (—), and land use management objective thresholds by a red line (---).



Task 1-1.7: Fort Polk and Peason Ridge RTLA Plot Locations Surveyed During 2010-12 by RTLA Plan Conceptual Ecological Thresholds





Objective 1-2

Annual FY13 Monitoring Results

Land Rehabilitation and Maintenance



Objective 1-2 Performance Results



Task#	Metric	Reporting Frequency	Performance Target Criteria			Performance Results
			Green	Amber	Red	FY13
1-2.1	Percent of disturbed/degraded acres funded for land rehabilitation and maintenance (LRAM), based on requirements identified in Integrated Training Area Management (ITAM) Annual Work Plan.	Annual	≥ 90% of planned LRAM acres are funded.	< 90% and ≥ 70% of planned LRAM acres are funded.	< 70% of LRAM acres are funded.	Green (335 / 335 = 100% LRAM acres funded)
1-2.2	Percent of funded LRAM project acres that are completed during the fiscal year.	Annual	≥ 90% of funded LRAM project acres are completed.	< 90% and ≥ 70% of funded LRAM project acres are completed.	< 70% of funded LRAM project acres are completed.	Green (335 / 335 = 100% LRAM acres completed)
1-2.3	Percent of sub-watersheds for which current watershed management plans are in place. (Notes: 1. watershed management plans are not required for the LUA because the need for LRAM work is not expected in the LUA due to the low intensity of training. 2. The term "current" denotes that an annual review has been conducted and the management plan has been updated or carried forward as appropriate.)	Annual	Current management plans are in place for ≥ 90% of sub-watersheds.	Current management plans are in place for < 90% and ≥ 70% of sub-watersheds.	Current management plans are in place for < 70% of sub-watersheds.	Green (24 / 24 plans current)
1-2.4	Annual prioritized list of LRAM projects cross-referenced to sub-watershed. (Prioritization of LRAM projects will include consideration of both site-specific factors such as safety, training use, and biological impacts; and the overall sub-watershed current to undisturbed (C:U) erosion rates, or other watershed condition factor. See tasks 1-2.6, 1-2.7 and 1-2.8.)	Annual	Project prioritization report is completed.	N/A	Project prioritization report is not completed.	Green (Project prioritization report complete)
1-2.5	Percent of LRAM projects that meet minimum project level objectives.	Annual	≥ 80% of LRAM projects meet minimum project level objectives.	< 80% and ≥ 60% of LRAM projects meet minimum project level objectives.	< 60% of LRAM projects meet minimum project level objectives.	Red (6 / 15 = 40% of projects were assessed for effectiveness and achieved the objective for percent cover)
1-2.6	Ratio of estimated current to undisturbed soil loss rate (tons/acre/year) across Fort Polk training lands (Main Post/Vernon Unit, Peason Ridge).	5 years	≥ 80 % of training lands have an current:undisturbed soil loss (C:U) ratio ≤ 1.20; and ≥ 90% of training lands have a C:U ratio ≤ 1.55	< 80 % of training lands have a C:U ratio ≤ 1.20, or < 90% of training lands have a C:U ratio ≤ 1.55; and ≥ 60 % of training lands have C:U ratio ≤ 1.20, and ≥ 80 % of sub-watersheds have a C:U ≤ 1.55	< 60 % of training lands have a C:U ratio ≤ 1.20; or < 80 % of training lands have a C:U ratio ≤ 1.55	Funding received in FY13, results anticipated FY14 (dependent on completion of field sampling)
1-2.7	Multi-year change in total acres of bare or sparsely vegetated areas. (Bare or sparsely vegetated areas will be determined through processing of satellite imagery to classify land use/land cover classes across training lands. This task will be accomplished in connection with development of a C-factor layer by the RTLA program. The analysis will include the Fort Polk Main Post (Army land and IUA), LUA and Peason Ridge.)	5 years	The net acreage of bare or sparsely vegetated areas is stable or decreasing in ≥ 90% of sub-watersheds.	The net acreage of bare or sparsely vegetated areas is stable or decreasing in < 90% of sub-watersheds and ≥ 80% of sub-watersheds.	The net acreage of bare or sparsely vegetated areas is stable or decreasing in < 80% of sub-watersheds.	Funding received in FY13, results anticipated FY14 (dependent on completion of field sampling)
1-2.8	Multi-year change in estimated soil loss rate (tons/acre/year) across Fort Polk training lands (Main Post/Vernon Unit, Peason Ridge)	5 years	Estimated soil loss rates are stable or decreasing over the multi-year period for ≥ 90% of training lands, relative to year 2000 soil loss rates.	Estimated soil loss rates are stable or decreasing over the multi-year period for < 90% and ≥ 80% of training lands, relative to year 2000 soil loss rates.	Estimated soil loss rates are stable or decreasing over the multi-year period for < 80% of training lands, relative to year 2000 soil loss rates.	Funding received in FY13, results anticipated FY14 (dependent on completion of field sampling)



Objective 2-1 Annual FY13 Monitoring Results

Red-Cockaded Woodpecker Population Recovery



Objective 2-1 Performance Results



Task#	Metric	Reporting Frequency	Performance Target Criteria			Performance Results
			Green	Amber	Red	FY13
2-1.1	Percentage of critical JMP activities completed within prescribed time frames.	Annual	100% completion of critical JMP requirements in accordance with prescribed time frames.	≥85% completion of critical JMP requirements in accordance with prescribed time frames.	<85% completion of critical JMP requirements in accordance with prescribed time frames.	Green (100%)
2-1.2	Ratio of SRA certified soldiers to minimum number of required RSOs per MSC; ratio of SRA certified O/Cs to assigned O/Cs.	Annual	≥ 1.0 for all units.	< 1.0 for one or more units and ≥ 0.95 for all units.	< 0.95 for one or more units.	Green (See Report for Task 1-1.3)
2-1.3	Percent of RCW clusters requiring painting, signing and/or fuel removal that received those maintenance activities on Fort Polk and KNF lands utilized by the Army for training.	Annual	Maintenance was accomplished for greater than or equal to 90 percent of clusters that required maintenance on Army and Forest Service land (IUA and LUA).	Maintenance was accomplished for 70-89 percent of clusters that required maintenance on Army and Forest Service land (IUA and LUA).	Maintenance was accomplished for <70 percent of clusters that required maintenance on Army and Forest Service land (IUA and LUA).	Green (210 / 210 = 100%)
2-1.4	Trends for violation of range regulations for protection of the RCW.	Annual	N/A	N/A	N/A	Increasing trend (R ² = 0.85) (n = 16)
2-1.6	Change in number of groups within the Vernon-Fort Polk RCW population	Annual	Population (number of groups) increased at a rate of ≥4.5% per year (annual λ) or over the past 5 years (multi-year λ).	Population (number of groups) changed at a rate of between <4.5% increase to <9.5 decrease per year (annual λ) and over the past 5 years (multi-year λ).	Population (number of groups) declined at a rate of ≥9.5 per year (annual λ) or over the past 5 years (multi-year λ) (Critical decline = 10% decline per RCW Recovery Plan).	Amber (2012 growth = -5%; 5-yr growth = 5%)



SEMP Task 2-1.3: Selected RCW Cluster Maintenance Accomplishments*, FY13



Management Action	Fort Polk			Peason Ridge			Vernon Unit			Total		
	# Available ^a	# Completed ^b	% Completed	# Available	# Completed	% Completed	# Available	# Completed	% Completed	# Available	# Completed	% Completed
Buffer - Establish	1	1	100.00%	0	0	--	0	0	--	1	1	100.00%
Buffer - Repaint	2	2	100.00%	0	0	--	0	0	--	2	2	100.00%
Buffer - Sign	20	20	100.00%	12	12	100.00%	8	8	100.00%	40	40	100.00%
Remove Excess Fuel Around Trees	3	3	100.00%	24	24	100.00%	34	34	100.00%	61	61	100.00%
Total	26	26	100.00%	36	36	100.00%	42	42	100.00%	104	104	100.00%

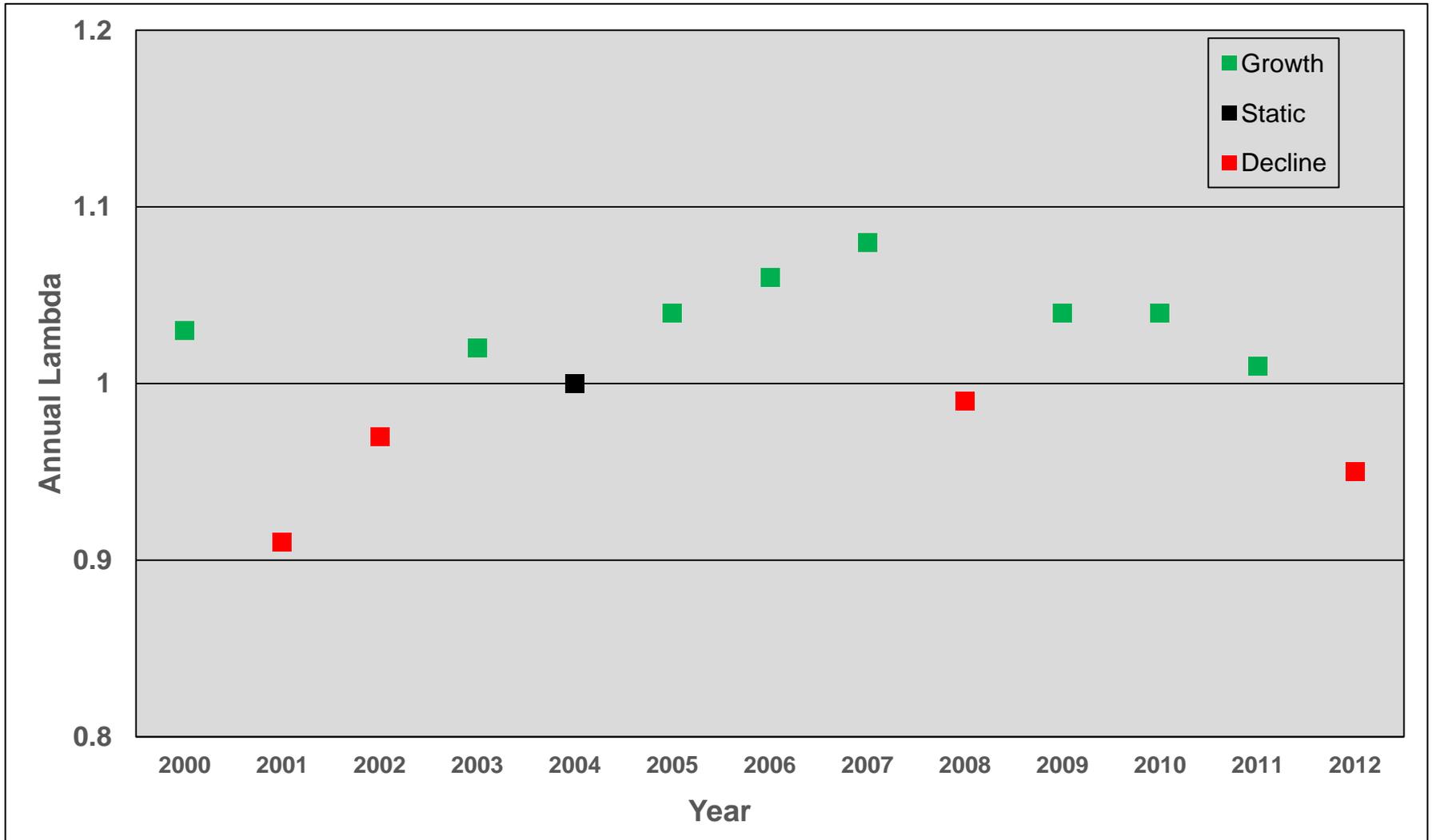
*Includes RCW cluster maintenance tasks specified in Limited Use Area Environmental Assessment, 2000.

SEMP Task 2-1.3 Performance Target Criteria

<p>GREEN: Maintenance was accomplished for greater than or equal to 90 percent of clusters that required maintenance on Army and Forest Service land (IUA and LUA).</p>	<p>AMBER: Maintenance was accomplished for 70-89 percent of clusters that required maintenance on Army and Forest Service land (IUA and LUA).</p>	<p>RED: Maintenance was accomplished for <70 percent of clusters that required maintenance on Army and Forest Service land (IUA and LUA).</p>
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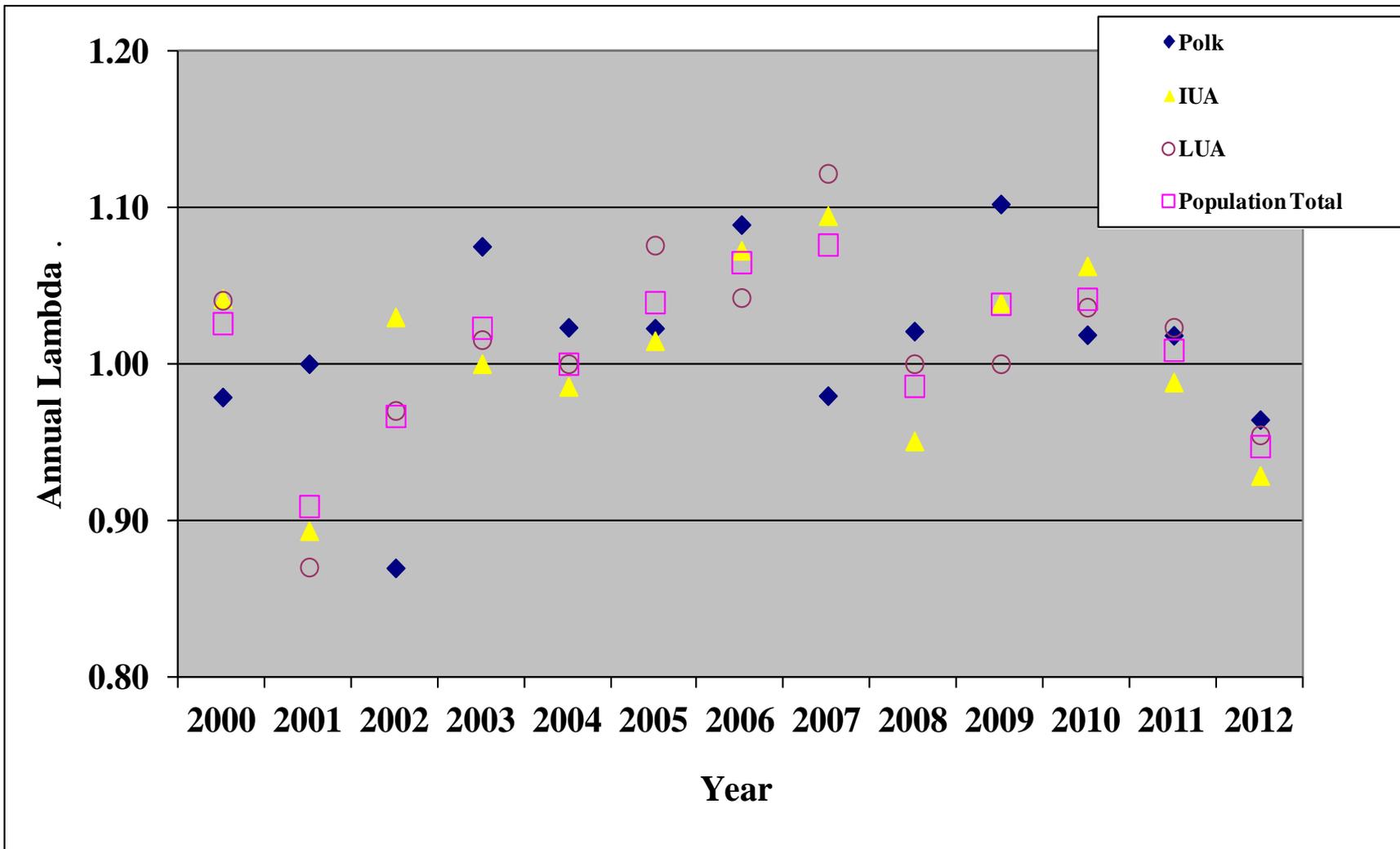


Task 2-1.6: Annual Change (λ) in Number of Groups in the Vernon-Fort Polk RCW Population a Whole, 2000–2012



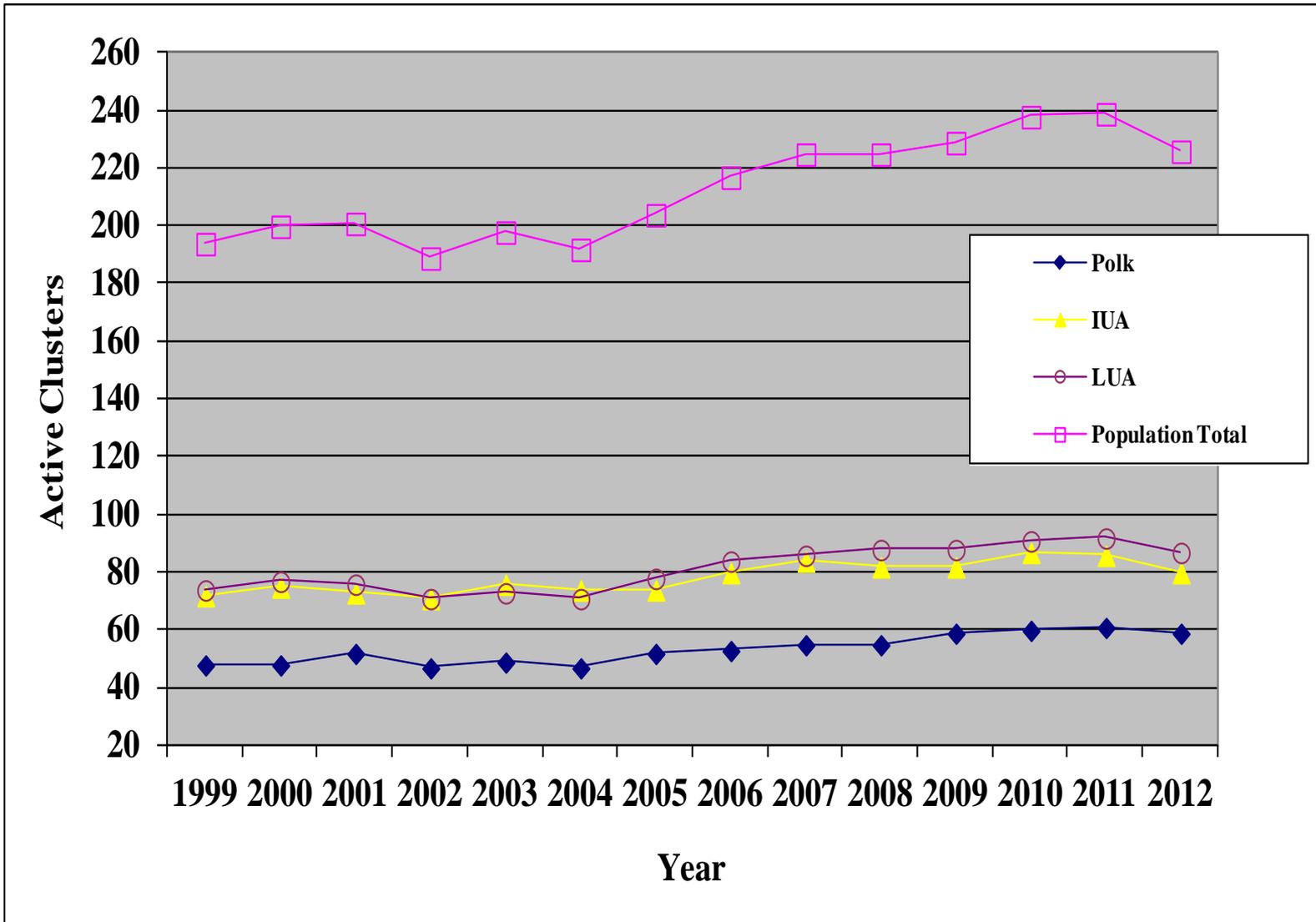


Task 2-1.6: Annual Change (λ) in Number of Groups in the Vernon-Fort Polk RCW Population by Admin. Unit and the Population as a Whole, 2000–2012





Task 2-1.6: Number of Active Clusters in Vernon-Fort Polk RCW Population for Each Administrative Unit and Population as a Whole, 1999-2012





Objective 2-2

Annual FY13 Monitoring Results

Longleaf Pine Forest Management



Objective 2-2 Performance Results



Metric	Reporting Frequency	Performance Target Criteria			FY 13
		Green	Amber	Red	
Percent of potential Red-cockaded Woodpecker (RCW) habitat acres (pine and pine-hardwood stands) for Fort Polk, Peason Ridge, Intensive Use Area (IUA) and Limited Use Area (LUA) that have been cruised for stand inventory within the 10-year entry cycle.	Annual	Inventories for pine and pine-hardwood stands have been completed for $\geq 90\%$ of the stand area in ≤ 10 years; and 100% of area in ≤ 15 years.	Inventories for pine and pine-hardwood stands have been completed for $< 90\%$ of the stand area in ≤ 10 years or $< 100\%$ of the area in ≤ 15 years; and inventories have been completed for $\geq 80\%$ of the area in ≤ 10 years and $\geq 95\%$ of the area in ≤ 15 years.	Inventories for pine and pine-hardwood stands have been completed for $< 80\%$ of the stand area in ≤ 10 years; or $< 95\%$ of the area in ≤ 15 years.	Red (Army totals = 97% in 10 years and 100% in 15 years; USFS totals = 60% in 10 years and 76% in 15 years; Overall totals = 78% in 10 years and 88% in 15 years.)
Percent of pine and pine-hardwood forest acres that have received prescribed fire treatment within the 3 year target burning cycle.	Annual	Prescribed burning was completed for $\geq 90\%$ of pine and pine-hardwood forest acres in ≤ 3 years and 100% of these acres in ≤ 5 years.	Prescribed burning was completed for $< 90\%$ of pine and pine-hardwood forest acres in ≤ 3 years or $< 100\%$ of these acres in ≤ 5 years; and prescribed burning was completed for $\geq 80\%$ of the area in ≤ 3 years and $\geq 95\%$ of the area in ≤ 5 years.	Prescribed burning was completed for $< 80\%$ of the pine and pine-hardwood forest acres in ≤ 3 years; or $< 95\%$ of these acres in ≤ 5 years.	Red (Army totals = 61% in 3 years and 84% in 5 years; USFS totals = 84% in 3 years and 95% in 5 years; Overall totals = 73% in 10 years and 89% in 5 years.)
Percent of planned prescribed burning accomplished within RCW HMU (total area planned/total area burned based on burning plan map published 1 October).	Annual	$\geq 75\%$ of planned burning within RCW HMU was accomplished during the fiscal year.	$< 75\%$ and $\geq 50\%$ of planned burning within RCW HMU was accomplished during the fiscal year.	$< 50\%$ of planned burning was accomplished within RCW HMU was accomplished during the fiscal year.	N/A - Metric approved Nov 2013; report beginning FY14
Percent of cumulative IUA sale inventory and thinning goals accomplished, based on cumulative acres inventoried and sold.	Annual	$\geq 90\%$ of cumulative inventory for sale goal accomplished; and $\geq 90\%$ of cumulative sale goal accomplished.	$< 90\%$ of cumulative inventory for sale goal or cumulative sale goal accomplished; and $\geq 80\%$ of cumulative inventory for sale and cumulative sale goals accomplished.	$< 80\%$ of cumulative inventory for sale goal accomplished; or $< 80\%$ of cumulative sale goal accomplished.	Red (79% of cumulative inventory goal accomplished; 87% of cumulative sale goal accomplished.)
Percent of potential RCW habitat required to support the Vernon-Fort Polk and Peason Ridge RCW populations at recovery that is currently available.	Annual	$\geq 105\%$ of RCW habitat required to support population and property recovery goals is currently available.	≥ 100 and $< 105\%$ of RCW habitat required to support population and property recovery goals is currently available.	$< 100\%$ of RCW habitat required to support population and property recovery goals is currently available.	Green (Estimated percent of required RCW habitat available $\geq 105\%$ for Vernon Fort Polk population and $\geq 105\%$ for Peason Ridge based on new population targets and habitat guidelines; no loss of current or potential RCW habitat within HMU in FY13.



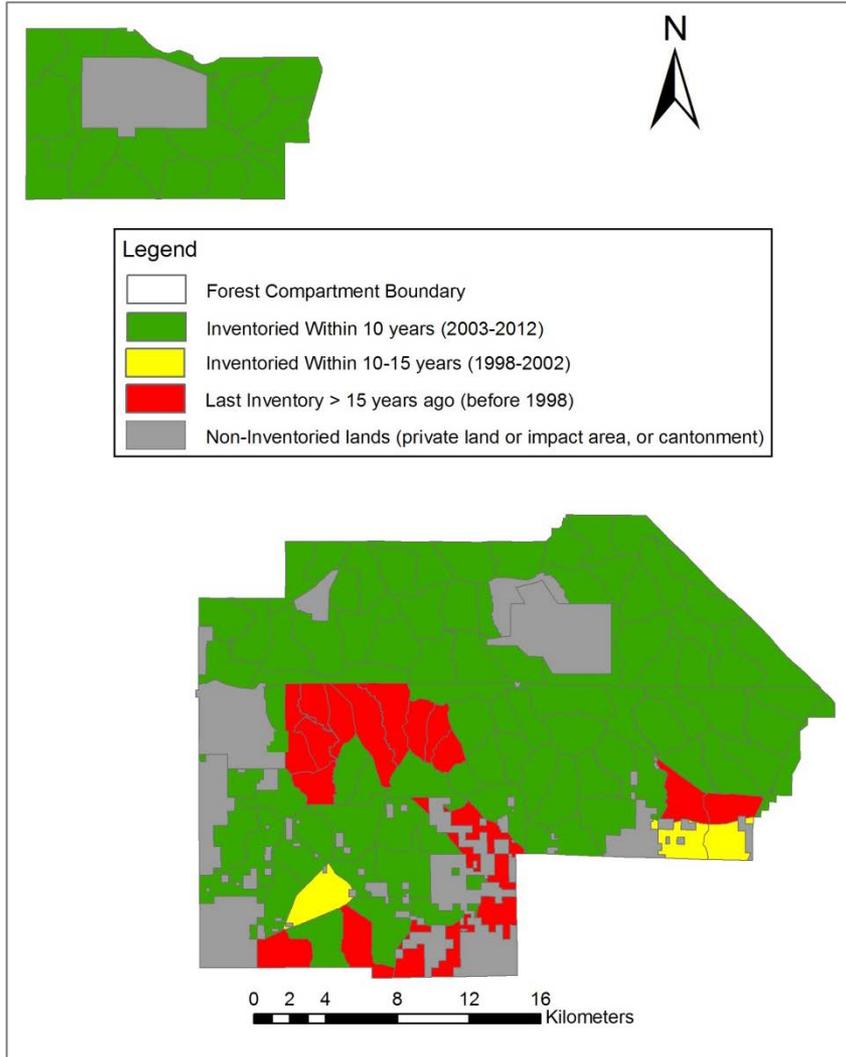
Task 2-2.1: Forest Inventory Status, FY13



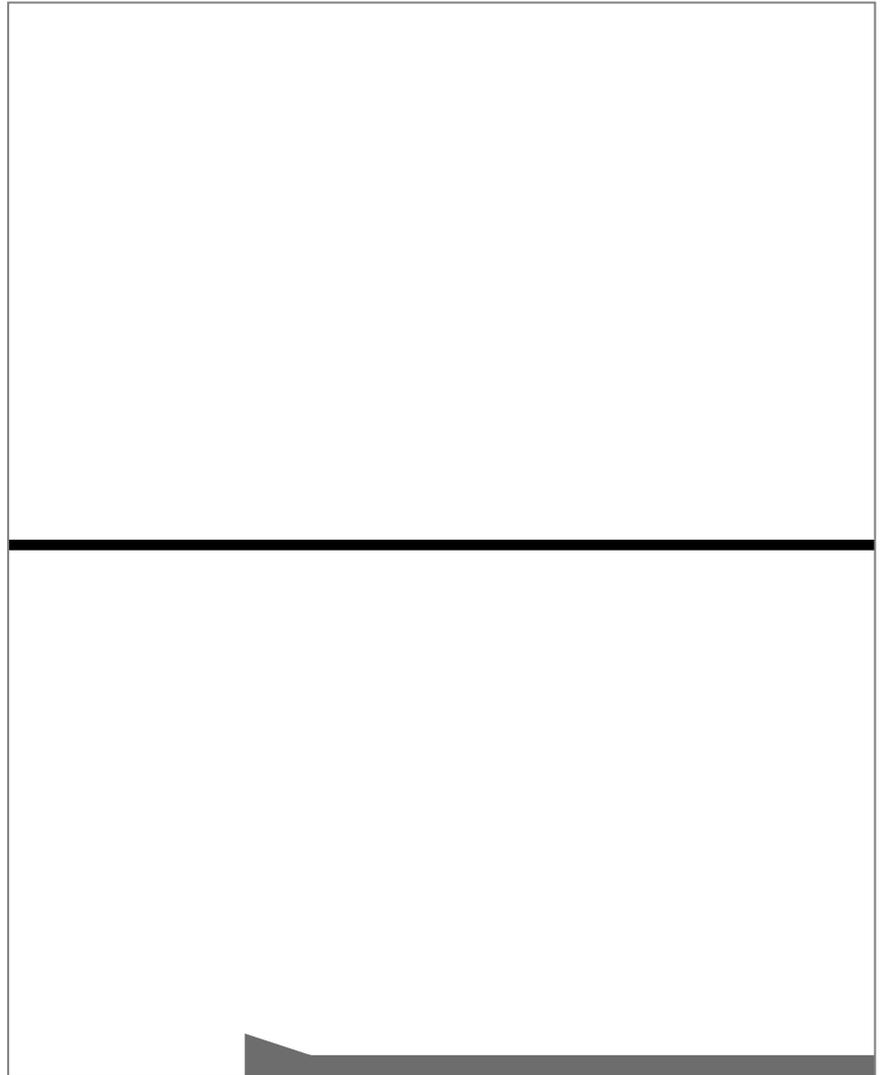
Management Area	Total Compartment Acres	Years Since Inventory	Compartment Inventory	
			Acres Inventoried	Percent of Total Acres
IUA	39,683	<=10	28,667	72.2%
		<=15	28,667	72.2%
LUA	45,909	<=10	22,350	48.7%
		<=15	36,234	78.9%
Vernon Total	85,592	<=10	51,017	59.6%
		<=15	64,901	75.8%
Polk	52,757	<=10	51,560	97.7%
		<=15	52,757	100.0%
Peason	26,611	<=10	25,231	94.8%
		<=15	26,611	100.0%
Army Total	79,368	<=10	76,791	96.8%
		<=15	79,368	100.0%
Grand Total	164,960	<=10	127,808	77.5%
		<=15	144,269	87.5%



Task 2-2.1: Forest Inventory Status, FY12 & FY13



FY12



FY13



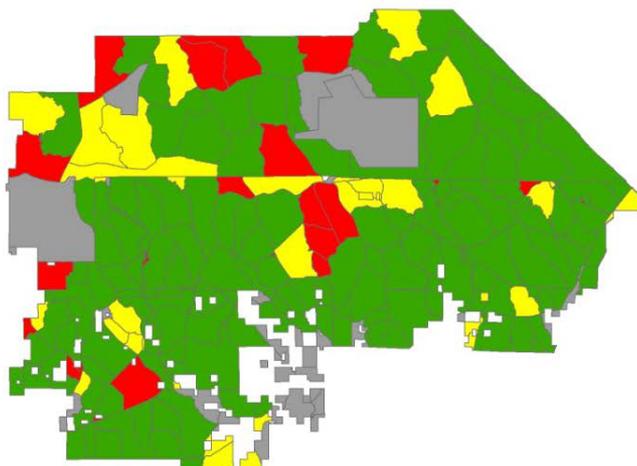
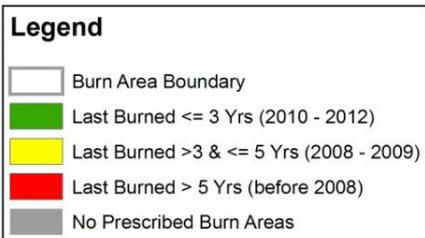
Task 2-2.2: Prescribed Burning Status, FY13



Management Area	Total Burnable Acres	Years Since Burn	Compartment Inventory	
			Acres Burned	Percent of Total Acres
IUA	39,758	<=3	30,203	76.0%
		<=5	35,866	90.2%
LUA ^a	39,471	<=3	36,280	91.9%
		<=5	39,002	98.8%
Vernon Total	79,229	<=3	66,483	83.9%
		<=5	74,868	94.5%
Polk	52,777	<=3	35,960	68.1%
		<=5	46,587	88.3%
Peason	26,695	<=3	12,617	47.3%
		<=5	20,284	76.0%
Army Total	79,472	<=3	48,577	61.1%
		<=5	66,871	84.1%
Grand Total	158,701	<=3	115,060	72.5%
		<=5	141,739	89.3%



Task 2-2.2: Prescribed Burning Status, FY12 & FY13

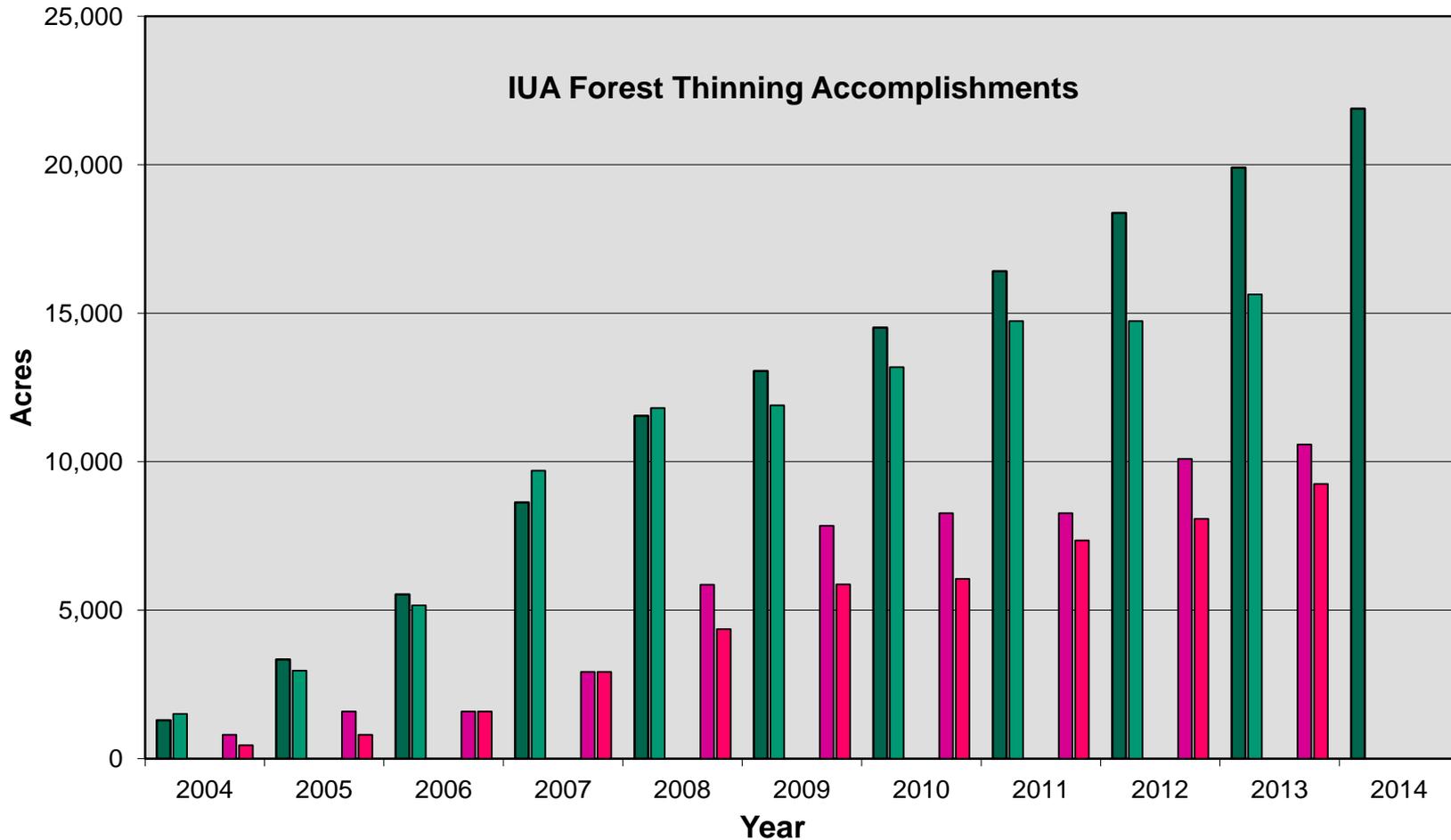


FY12

FY13



Task 2-2.3: IUA Forest Thinning Status, FY13



■ Cumulative Initial IUA Acres Programmed for Inventory

■ Cumulative IUA Acres Inventoried for Sale

■ Cumulative Actual Acres Programmed for Sale

■ Cumulative Acres Sold



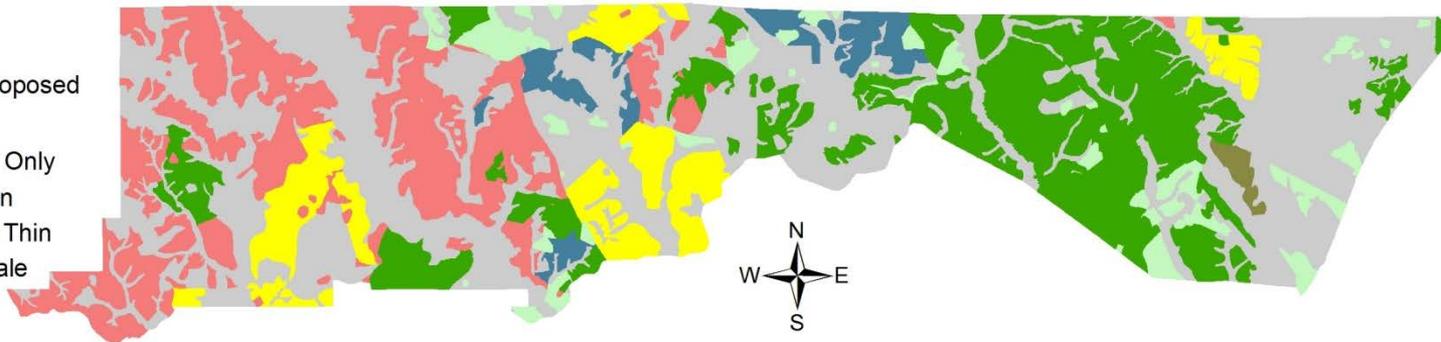
Task 2-2.3: IUA Forest Thinning Status FY12-FY13



Legend

Thin Status

- No Thinning Proposed
- Not Evaluated
- Field Inventory Only
- Evaluated - Thin
- Evaluated - No Thin
- Prepared for Sale
- Sold
- Thinned



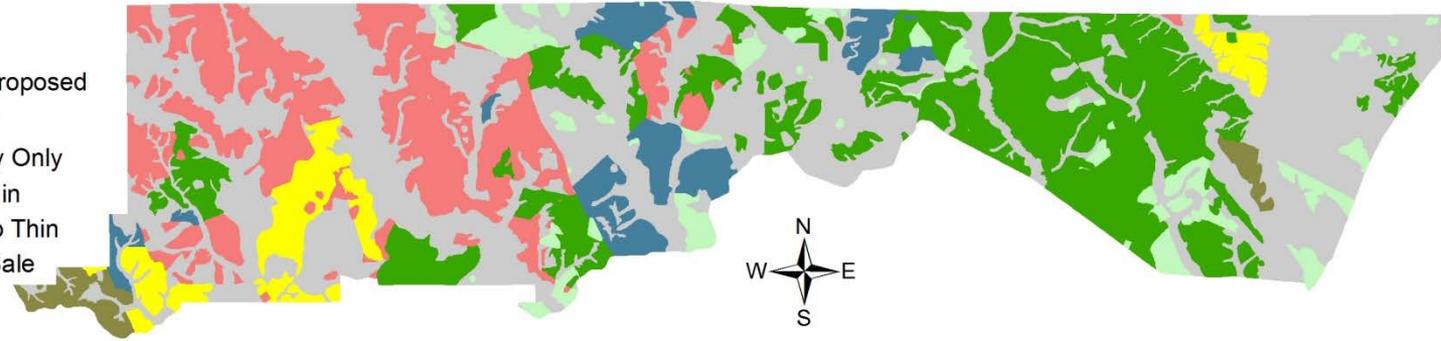
0 1 2 3 4 5 Miles

FY12

Legend

Thin Status

- No Thinning Proposed
- Not Evaluated
- Field Inventory Only
- Evaluated - Thin
- Evaluated - No Thin
- Prepared for Sale
- Sold
- Thinned



0 1 2 3 4 5 Miles

FY13



Objective 2-4

Annual FY13 Monitoring Results

Bog Mapping and Monitoring

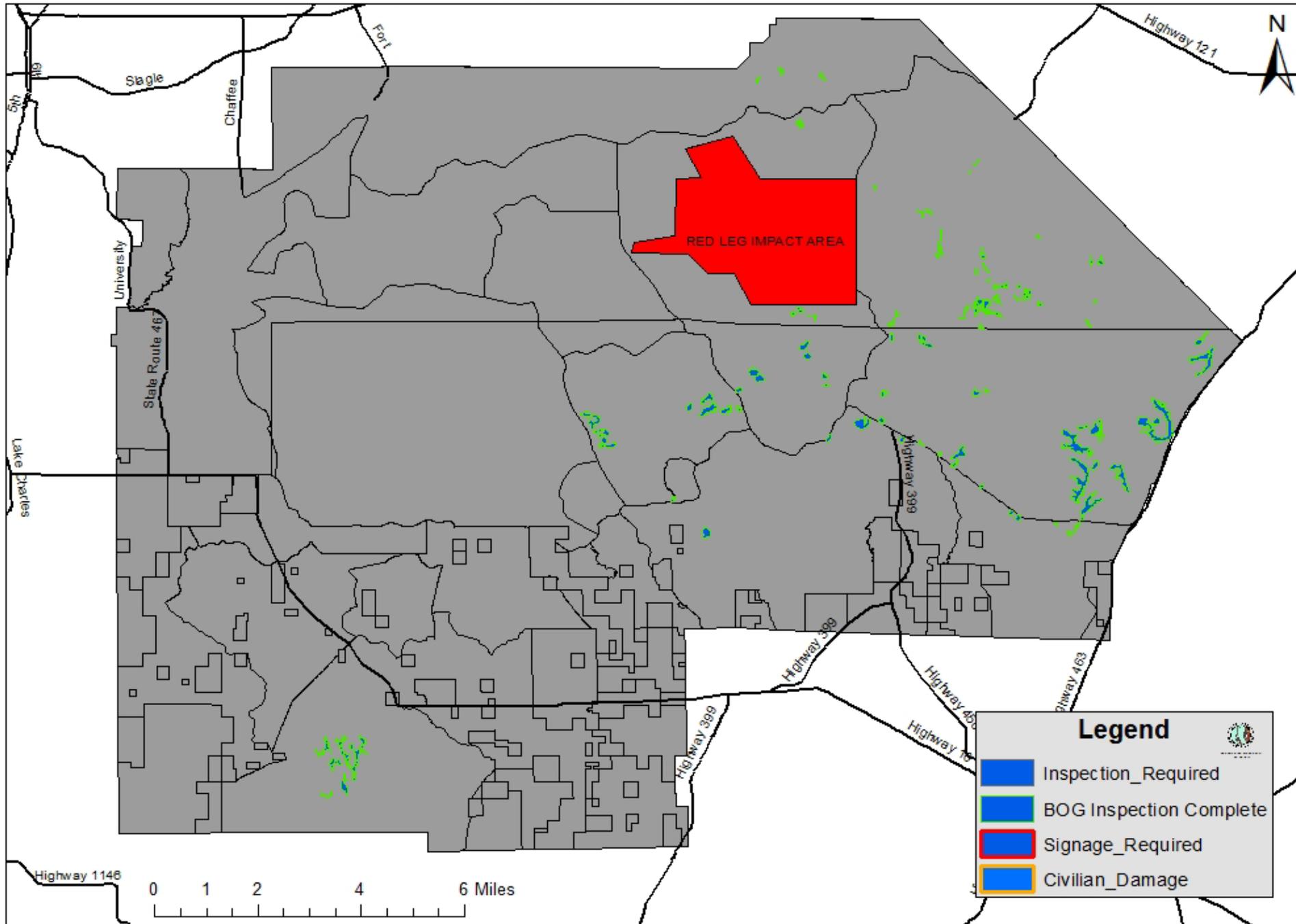


Objective 2-4 Performance Results

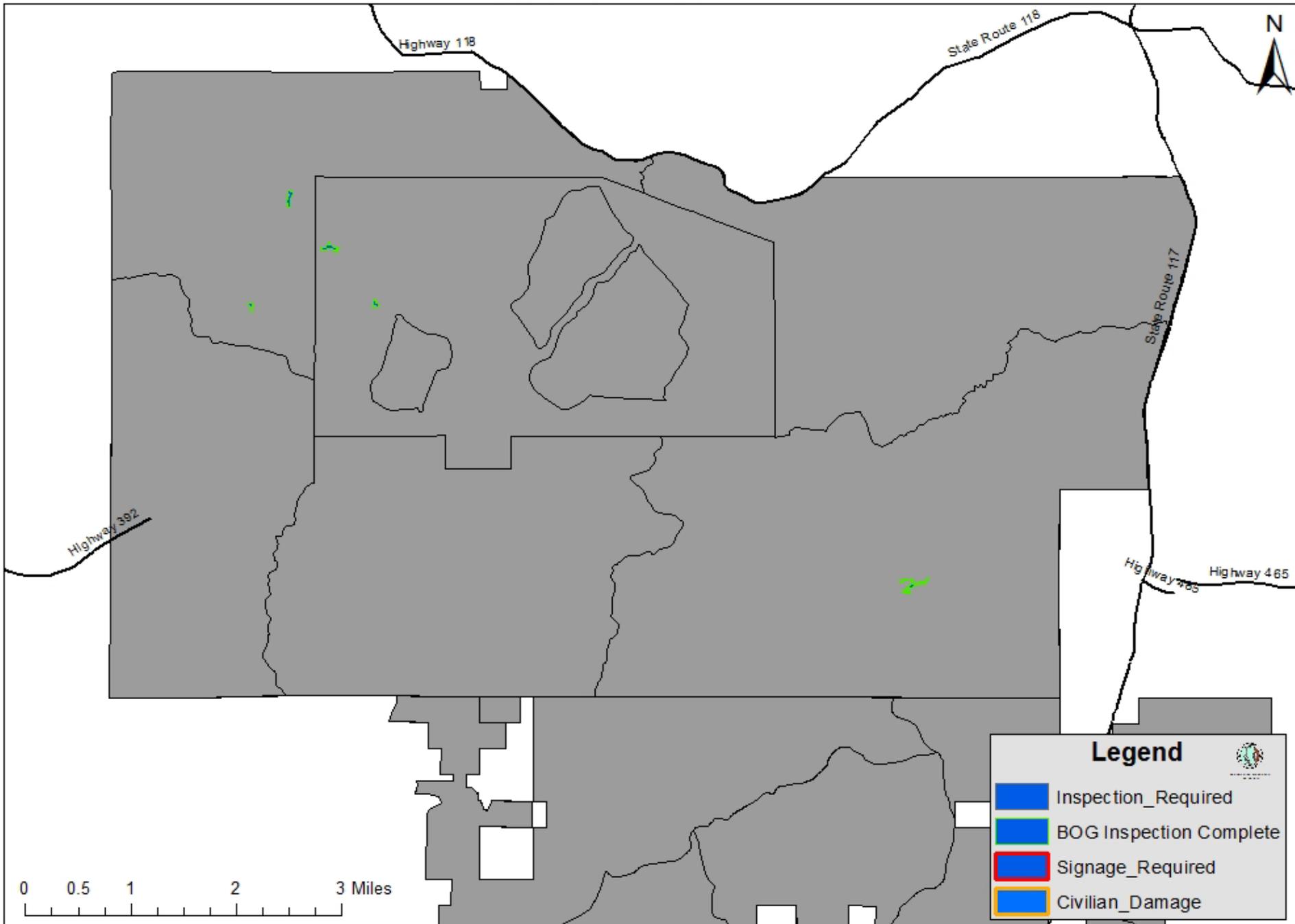


Task#	Metric	Reporting Frequency	Performance Target Criteria			Performance Results
			Green	Amber	Red	FY13
2-4.1	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved
2-4.2	Fort Polk, KNF Vernon Unit and Peason Ridge bog map layer(s) and data tables are updated annually to reflect monitoring results (see Tasks 2-4.1 and 2-4.3).	Annual	Annual update completed by 30 Sep.	Annual update completed by 30 Dec.	Annual update not completed by 30 Dec.	Amber; annual update completed on 15 Nov 13.
2-4.3	Annual percentage of "high quality" and potentially "at risk" bogs inspected for military impacts.	Annual	≥ 90% of high quality/at risk bogs are inspected annually for military impacts.	≥ 80 % and < 90% of high quality/at risk bogs are inspected annually for military impacts.	< 80 % of high quality/at risk bogs are inspected annually for military impacts.	Green; 100 / 100 = 100% of high quality/at risk bogs were inspected for military impacts.
2-4.4	Percent of "high quality" and potentially "at risk" bogs on Fort Polk, Peason Ridge and the Vernon Unit requiring signage that have adequate signage.	Annual	≥ 90% of "high quality/at risk" bogs requiring signage have adequate signage.	≥ 70% and < 90% of "high quality/at risk" bogs requiring signage have adequate signage.	< 70% of "high quality/at risk" bogs requiring signage have adequate signage.	Green: 1 / 1 = 100% of high quality bogs needing signage were marked with signage.
2-4.5	Percent of "high quality" and potentially "at risk" bogs directly impacted by military activities. (See definition in Task 2-4.3)	Annual	≤ 5% of "high quality/at risk" bogs on Fort Polk, Peason Ridge and Vernon Unit are directly impacted by military activities.	> 5% and ≤ 10% of "high quality/at risk" bogs on are directly impacted by military activities.	> 10% of "high quality/at risk" bogs on Fort Polk, Peason Ridge and Vernon Unit are directly impacted by military activities.	Green; no high quality/at risk bogs were impacted by military activities.

Location of "High Quality / At Risk" Bogs, Fort Polk and Vernon Unit – FY13



Location of "High Quality / At Risk" Bogs, Peason Ridge – FY13





Objective 3-1 Annual FY13 Monitoring Results

Integration of Master Planning, Engineering and Environmental Concerns



Objective 3-1 Overview



- Focus is on sustainable facilities (new construction, major renovations)
- Included in SEMP due to impacts of 20 construction projects evaluated in 2004 Environmental Impact Statement
- Monitoring questions consider four sustainability aspects:
 - Facility siting decisions: Tasks 3-1.1, 3-1.2A, 3-1.2B
 - Facility scores for Leadership in Energy and Environmental Design (LEED): Task 3-1.3A, 3-1.3B
 - Facility energy conservation: Tasks 3-1.4A, 3-1.4B
 - Facility water conservation: Task 3-1.5
 - Facility lifecycle costs: Task 3-1.6



Objective 3-1 Performance Results



Task#	Metric	Reporting Frequency	Performance Target Criteria			Performance Results
			Green	Amber	Red	FY13
3-1.1	Screening/Alternatives Analysis for Siting of New Facilities: A. Percent of MCA cantonment area facility siting decisions for which an environmental screening and site selection alternatives analysis was conducted. B. Percent of MCA Range Modernization and other range facility siting decisions for which an environmental screening and site selection alternatives analysis was conducted. C. Percent of minor construction (DPW Engineering) facility siting decisions for which an environmental screening and site selection alternatives analysis was conducted. D. Percent of NAF and Tenant (FMWR, Picerne, AAFES, Privatization) facility siting decisions for which an environmental screening and site selection alternatives analysis was conducted.	Annual	Environmental screening and site selection alternatives analyses are conducted for 100% of siting decisions for construction of new facilities or infrastructure.	Environmental screening and site selection alternatives analyses are conducted for $\geq 80\%$ and $< 100\%$ of siting decisions for construction of new facilities or infrastructure.	Environmental screening and site selection alternatives analyses are conducted for $< 80\%$ of projects for construction of new facilities or infrastructure.	Green: (8 / 8 = 100% of facilities requiring an environmental screening/alternatives analysis followed the SEMP process for screening/alternatives analysis.)
3-1.2A	Sustainable Site Credits for LEED-NC projects achieving LEED-NC for new construction include all vertical construction projects with climate controlled facilities, regardless of funding source. Candidate projects for major renovations include renovation and repair projects that exceed the Garrison Command authority (\$3M) and have a repair to replacement ratio equal to or greater than 25 percent (see USACE Army LEED Implementation Guide, 15 Jan 2008, for additional criteria).	Annual	$\geq 90\%$ of candidate new construction and major renovation projects achieve LEED-NC SS Credit 1.	$\geq 75\%$ and $< 90\%$ of candidate new construction and major renovation projects achieve LEED-NC <input type="checkbox"/> 2.2 SS Credit 1.	$< 75\%$ of candidate new construction and major renovation projects achieve LEED-NC SS Credit 1.	Green: (11 / 12 = 92% of MILCON projects completed in FY13 [BOD] achieved SS Credit 1. See detail spreadsheet.)
3-1.2B	Sustainable Site Credits for LEED-NC projects achieving LEED-NC projects.	Annual	$\geq 90\%$ of candidate new construction and major renovation projects achieve LEED-NC SS Credit 5.1.	$\geq 75\%$ and $< 90\%$ of candidate new construction and major renovation projects achieve LEED-NC <input type="checkbox"/> 2.2 SS Credit 5.1.	$< 75\%$ of candidate new construction and major renovation projects achieve LEED-NC SS Credit 5.1.	Red: (6 / 12 = 50% of MILCON projects completed in FY13 [BOD] achieved SS Credit 5.1. All projects achieving this credit were VOLAR projects. See detail spreadsheet.)
3-1.3A	MILCON Facilities Constructed to LEED-NC and major renovation) projects that are certified to achieve LEED-NC <input type="checkbox"/> 2.2 Silver or higher standards. Note: Certification may be conducted by the USGBC or the project team, per Army guidance. See task 3-1.2 for definition of major renovation/repair projects.	Annual	100% of candidate MILCON projects are certified to achieve LEED-NC <input type="checkbox"/> Silver or higher standards.	$\geq 80\%$ and $< 100\%$ of candidate MILCON projects are certified to achieve LEED-NC <input type="checkbox"/> Silver or higher standards; and 100% of these projects meet LEED-NC Certified or higher.	$< 80\%$ of candidate MILCON projects are certified to achieve LEED-NC <input type="checkbox"/> Silver or higher standards; or $< 100\%$ of these projects meet LEED-NC Certified or higher.	Amber: (11 / 12 = 92% of MILCON projects completed in FY13 [BOD, includes VOLAR] achieved or were projected to achieve LEED Silver or higher. Note: Final LEED checklists were unavailable for two projects, and no LEED checklist was available for one project. Projects with proposed and final LEED checklists and both certified and uncertified projects achieving LEED Silver or higher were counted. See detail spreadsheet.)
3-1.3B	Non-MILCON Facilities Constructed to LEED construction) projects that are certified to achieve LEED-NC <input type="checkbox"/> 2.2 Silver or higher standards. Note: Certification may be conducted by the USGBC or the project team, per Army guidance.	Annual	100% of candidate non-MILCON (new construction) projects are certified to achieve LEED-NC <input type="checkbox"/> Silver or higher standards.	$\geq 80\%$ and $< 100\%$ of candidate non-MILCON (new construction) projects are certified to achieve LEED-NC <input type="checkbox"/> Silver or higher standards; and 100% of these projects meet LEED-NC or higher.	$< 80\%$ of candidate new construction and major renovation projects are certified to achieve LEED-NC <input type="checkbox"/> Silver or higher.	N/A: Metric not yet approved.
3-1.4A	Green Building Energy Savings – New Construction: Annual energy consumption (kWh/sf/yr and/or Btu/sf/yr) one year post-occupancy for candidate LEED-NC permanent new construction buildings, as compared to: (a) the energy consumption for standard construction (baseline) building of similar type, as modeled using ASHRAE 90.1-2004 (or most current accepted model), and (b) the predicted (design) energy consumption for the building. (Note: this measure includes all MILCON and non-MILCON new construction with climate control, except for temporary buildings. Actual energy performance results will be reported separately for each building.)	Annual	The building uses at least 30% less energy (kW/sf and/or Btu/sf/yr) than baseline buildings modeled using ASHRAE 90.1 and does not exceed the design prediction for energy use.	The building uses at least 30% less energy (kW/sf and/or Btu/sf/yr) than baseline buildings modeled using ASHRAE 90.1 but exceeds the design prediction for energy use.	The building does not use at least 30% less energy (kW/sf and/or Btu/sf/yr) than baseline buildings modeled using ASHRAE 90.1 and exceeds the design prediction for energy use.	Red: No data available. Data collection protocol for energy performance is under development.
3-1.4B	Green Building Energy Savings – Major Renovation and Repair: Annual energy consumption (kWh/sf/yr and/or Btu/sf/yr) one year post-occupancy for candidate LEED-NC major renovation/repair buildings, as compared to: (a) the energy consumption for standard construction (baseline) building of similar type, as modeled using ASHRAE 90.1-2004 (or most current accepted model), and (b) the predicted (design) energy consumption for the building. (Note: This task includes MILCON major renovation/repair projects. See task 3-1.2 for definition of major renovation/repair projects. Actual energy performance results will be reported separately for each building.)	Annual	The building uses at least 20% less energy (kW/sf and/or Btu/sf/yr) than baseline buildings modeled using ASHRAE 90.1 and does not exceed the design prediction for energy use.	The building uses at least 20% less energy (kW/sf and/or Btu/sf/yr) than baseline buildings modeled using ASHRAE 90.1 but exceeds the design prediction for energy use.	The building does not use at least 20% less energy (kW/sf and/or Btu/sf/yr) than baseline buildings modeled using ASHRAE 90.1 and exceeds the design prediction for energy use.	Red: No data available. Data collection protocol for energy performance is under development.
3-1.5	Green Building Water Savings – New Const. & Major Renovation/Repair: Actual total water use (gal/FTE/yr and/or gal/sf/yr) not including irrigation, one year post-occupancy for candidate LEED-NC permanent new construction and major renovation buildings, as compared to the water consumption baseline calculated for the building, based on EPA 1992 fixture flush/flow rate default values. Note: Actual water conservation performance results will be reported separately for each building.	Annual	The building uses at least 30% less water (gal/FTE/yr and/or gal/sf/yr) than baseline buildings based on EPA 1992 fixture flush/flow rate default values.	The building uses between 20% and 30% less water (gal/FTE/yr and/or gal/sf/yr) than baseline buildings based on EPA 1992 fixture flush/flow rate default values.	The building does not use at least 20% less water (gal/FTE/yr and/or gal/sf/yr) than baseline buildings based on EPA 1992 fixture flush/flow rate default values.	Red: No data available. Data collection protocol for water conservation is under development.
3-1.6	Green Building Lifecycle Cost Savings – New Construction and Major Renovation/Repair: Estimated payback period (increased first cost / energy cost savings per year for the building) for LEED-NC candidate new construction and major renovation buildings. (Note: See Task 3-1.2 for definition of candidate LEED projects. Lifecycle cost performance results will be reported separately for each building.)	Annual	Payback period is ≤ 10 years.	Payback period is > 10 years and ≤ 20 years.	Payback period is > 20 years.	Red: No data available. Data collection protocol for life cycle cost savings/payback period is under development.



Tasks 3-1.2A, 3-1.2B and 3-1.3A: Sustainable Site Credits and LEED Scores, FY13



FY	PROJECT NUMBER (PN)	BLDG#	PROJECT NAME	AWARDED \$ AMOUNT	BOD	LEED SCORE CARD STATUS	Task 3-1.3A (LEED Certified)	Task 3-1.2A (SS 1)	Task 3-1.2B (SS 5.1)
FY 10	70128	250	WTU Complex (BN/2 CO HQ)	7824	7-Dec-12	Final / Silver	Yes	Yes	No
FY 11	220208		LA ANG UAS Facility	\$5,500	5-Dec-12	?	?	?	?
FY 09	69199	3650	Unit Ops Facilities, 115th Tactical Equip. Maint. Facility	\$7,687	8-Jul-13	Proposed / Gold	No	Yes	No
FY 09		EOD - 7401	Unit Operations Facilities, EOD COF	\$8,344	7-Mar-13	Final / Gold	No	Yes	No
FY 09		52nd MI-14601	Unit Operations Facilities, 162d (09L) COF	\$8,344	23-Jan-13	Final / Silver	Yes	Yes	No
FY 11	60130	2450	Enlisted UPH Replacement	\$24,390	20-Aug-13	Proposed / Gold	Yes	Yes	No
		1948	Volar Barrack		15-Aug-12	Final / Silver	No	Yes	Yes
		1631	Volar Barrack		9-Oct-12	Final / Silver	No	Yes	Yes
		1945	Volar Barrack		19-Dec-12	Final / Silver	No	Yes	Yes
		1950	Volar Barrack		12-Dec-12	Final / Silver	No	Yes	Yes
		2043	Volar Barrack		9-Jan-13	Final / Silver	No	Yes	Yes
		1635	Volar Barrack		30-Jan-13	Final / Silver	No	Yes	Yes
SEMP Objective 3-1 / Tasks							No. of Projects	Number Meeting	Percent Meeting
3-1.2A	Percentage of Projects Completed in FY13 Meeting LEED Credit SS 1						12	11	91.67%
3-1.2B	Percentage of Projects Completed in FY13 Meeting LEED Credit SS 5.1						12	6	50.00%
3-1.3A	Percentage of Projects Completed in FY13 Meeting LEED Silver Certified or Higher (includes certified and uncertified projects with final and proposed LEED scores)						12	11	91.67%



Objective 4-1 Quarterly and Annual FY13 Monitoring Results

Hunting and Other Recreational Opportunities



Objective 4-1 Performance Results



Task#	Metric	Reporting Frequency	Performance Target Criteria			Performance Results			
			Green	Amber	Red	1 QTR 13	2 QTR 13	3 QTR 13	4 QTR 13
4-1.1A	Average percent of time per month that Fort Polk hunting website and Limited Use Area (LUA) and Special Limited Use Area (SLUA) website are operational.	Quarterly	Both the hunting website and LUA/SLUA website are operational for ≥ 97% of the quarter.	The hunting website or the LUA/SLUA website is operational for < 97% of the quarter; and the hunting website and LUA/SLUA website are operational for ≥ 93% of the quarter.	The hunting website and/or the LUA/SLUA website is operational for < 93% of the quarter.	Green (99% uptime)	Green (99% uptime)	Green (100% uptime)	Green (99% uptime)
4-1.1B	Date of last webmaster update to the hunting and LUA/SLUA websites.	Quarterly	Both the hunting and LUA/SLUA websites were updated by the site webmaster during the past quarter.	Only one of the two websites was updated.	Neither website was updated.	Green (Content updated for both web sites)	Green (Content updated for both web sites)	Green (Content updated for both web sites)	Green (Content updated for both web sites)
4-1.2	Percent of total hunting acre-day capacity that is open for hunting during periods of interest in the LUA and in the Fort Polk-Vernon and Peason Wildlife Management Areas (WMAs).	Annual	Total acre-day capacity open to hunting during periods of interest is ≥ 90% in the LUA, ≥ 75% in the Fort Polk-Vernon WMA, and ≥ 50% in the Peason Ridge WMA.	Total acre-day capacity open to hunting during periods of interest is < 90% in the LUA, or < 75% in the Fort Polk-Vernon WMA, or < 50% in the Peason WMA; and ≥ 75% in the LUA, and ≥ 50% in the Fort Polk-Vernon WMA, and ≥ 25% in the Peason WMA.	Total acre-day capacity open to hunting during periods of interest is < 75% in the LUA, or < 50% in the Fort Polk-Vernon WMA, or < 25% in the Peason Ridge WMA.	See 3 Qtr 13 for annual results	See 3 Qtr 13 for annual results	Amber (100% LUA, 54% Fort Polk-Vernon, 48% Peason Ridge open for hunting)	See 3 Qtr 13 for annual results
4-1.3	Percent of total commercial or non-commercial special use or group recreational events that were denied in the LUA/SLUA due to conflicts with military use.	Annual	No requests/applications for special use or group-use recreational events are denied due to conflicts with military use of the LUA or SLUA.	1 to 10% of requests/applications for special use or group-use recreational events are denied due to conflicts with military use of the LUA or SLUA.	> 10% of requests/applications for special use or group-use recreational events are denied due to conflicts with military use of the LUA or SLUA.	TBD (Annual)	TBD (Annual)	TBD (Annual)	Green (LUA: no events cancelled/denied due to military conflicts.)
4-1.4	Ratio of Sustainable Range Awareness (SRA) certified soldiers to minimum number of required Range Safety Officers per Major Subordinate Command; ratio of SRA certified Observer/Controllers (O/Cs) to assigned O/Cs.	Annual	≥ 1.0 for all units	< 1.0 for one or more units and ≥ 0.95 for all units	< 0.95 for one or more units	TBD (Annual)	TBD (Annual)	TBD (Annual)	Green (Ratio = 2.93)
4-1.5	Frequency of public feedback (positive/negative) on the availability and content of public information on training schedules in the LUA, SLUA, Fort Polk-Vernon and Peason WMAs.	Annual	N/A	N/A	N/A	TBD (Annual)	TBD (Annual)	TBD (Annual)	No trend (No comments received in 2013)
4-1.6	Estimated rate of change in percent of total annual hunting acre-day capacity that is open for hunting ("percent open for hunting") over the past five year period, reported by area (LUA, Fort Polk-Vernon and Peason WMAs). Annual training utilization rate, by area.	Annual	The estimated rate of change over the past five years for "percent open for hunting" is stable or increasing (≤ 5% decline) for the LUA, Fort Polk-Vernon and Peason WMAs, at 90% confidence.	The estimated rate of change over the past five years for "percent open for hunting" is > 5% for the LUA, Fort Polk-Vernon WMA or Peason WMA, and is ≤ 10% for the LUA, Fort Polk-Vernon and Peason WMAs, at 90% confidence.	The estimated rate of change over the past five years for "percent open for hunting" has declined by > 10% for the LUA, Fort Polk-Vernon WMA or Peason WMA, at 90% confidence.	See 3 Qtr 13 for annual results	See 3 Qtr 13 for annual results	Green (LUA = no change; Fort Polk-Vernon WMA = 35% increase; Peason Ridge WMA - 44% increase; increases not statistically significant)	See 3 Qtr 13 for annual results
4-1.7	Trends for violations of range regulations restricting military use of recreational facilities or maintained trails in the LUA and SLUA.	Annual	N/A	N/A	N/A	TBD (Annual)	TBD (Annual)	TBD (Annual)	N/A (No trend; n = 0)
4-1.8	Weight of evidence of impacts (to hunting and other approved recreational uses of the WMAs, LUA and SLUA) based on annual results for the following tasks: 4-1.1, 4-1.2, 4-1.3, and 4-1.6.	Annual	Total points for Tasks 4-1.1, 4-1.2, 4-1.3 and 4-1.6 are ≥ 3 , where green tasks = 1 point, amber tasks = 0.5 points, and red tasks = 0 points. Total points for Tasks 4-1.1A and 4-1.1B = 1 point.	Total points for Tasks 4-1.1, 4-1.2, 4-1.3 and 4-1.6 are < 3 and ≥ 1.5 , where green tasks = 1 point, amber tasks = 0.5 points, and red tasks = 0 points. Total points for Tasks 4-1.1A and 4-1.1B = 1 point.	Total points for Tasks 4-1.1, 4-1.2, 4-1.3 and 4-1.6 are < 1.5, where green tasks = 1 point, amber tasks = 0.5 points, and red tasks = 0 points. Total points for Tasks 4-1.1A and 4-1.1B = 1 point.	TBD (Annual)	TBD (Annual)	TBD (Annual)	Green (3.5 points)



Task 4-1.2: Fort Polk-Vernon and Peason Ridge WMAs Hunting Availability 2012-2013



Hunting Season	Measure	Fort Polk-Vernon	Peason Ridge	Total (Installation Wide)
Opening Weekend - Squirrel Season (06 OCT - 07 OCT)	% Acre-Days Available	41.68%	20.29%	35.99%
Thanksgiving Weekend - Deer (23 NOV - 25 NOV; bow-only areas excluded from summary)	% Acre-Days Available	87.04%	84.12%	86.24%
Opening Weekend - Turkey Season (23 MAR - 24 MAR)	% Acre-Days Available	17.44%	20.29%	18.19%
Seasons of Interest Total (Squirrel, Deer, Turkey Weekends)	% Acre-Days Available	53.60%	47.64%	52.00%
Overall Hunting Season (01 SEP - 28 FEB and 23 MAR - 21 APR)	Actual Acre-Days Available	7,400,183	1,759,634	9,159,817
	Total Possible Acre-Days	18,983,708	6,424,033	25,407,741
	% Acre-Days Available	38.98%	27.39%	36.05%

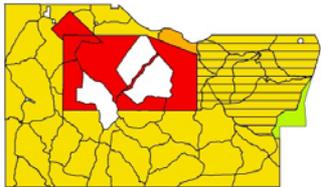


Task 4-1.6: Hunting Opportunities (Fall / Winter)

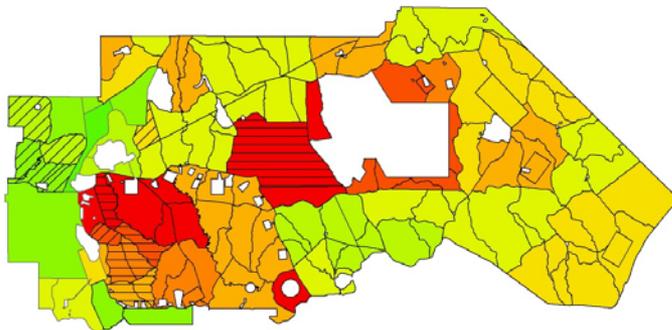


2011-12 Fall/Winter Hunting Seasons

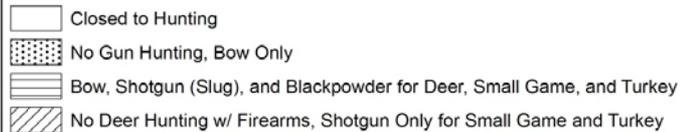
(03 September 2011 thru 29 February 2012)



Percent of Season-Days Open to Hunting



Hunting Permitted

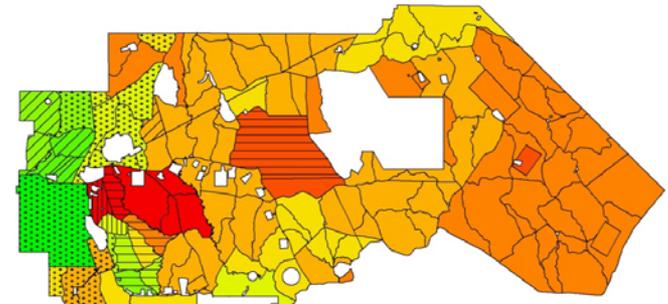


2012-13 Fall/Winter Hunting Seasons

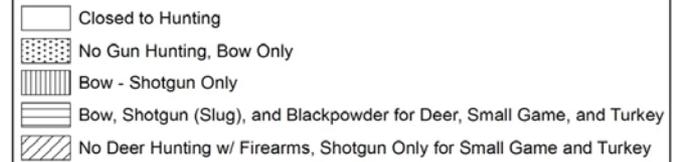
(01 September 2012 thru 28 February 2013)



Percent of Season-Days Open to Hunting



Hunting Permitted





Task 4-1.6: Hunting Opportunities (Spring - Turkey)

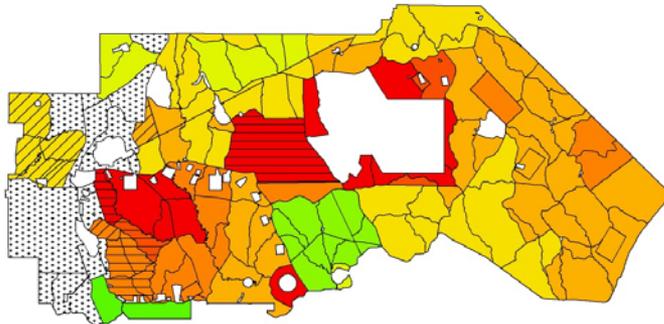
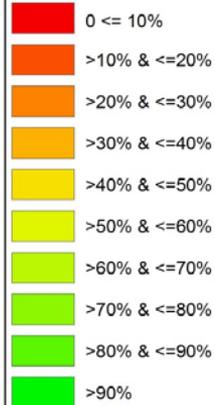


2012 Turkey Hunting Season

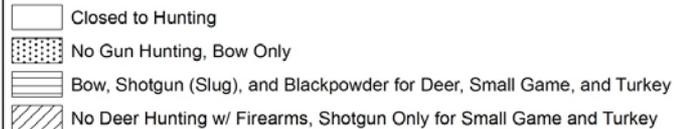
(24 March 2012 thru 22 April 2012)



Percent of Season-Days Open to Hunting



Hunting Permitted

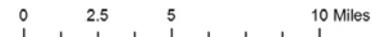
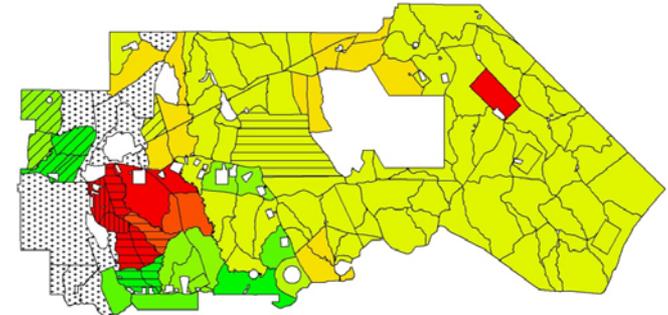
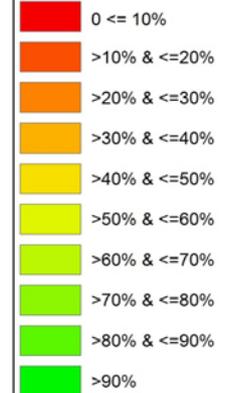


2013 Turkey Hunting Season

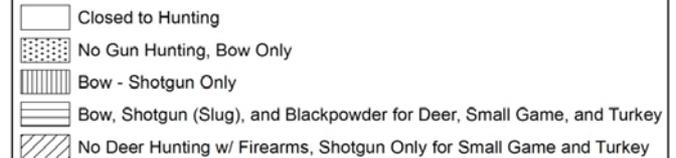
(23 March 2013 thru 21 April 2013)



Percent of Season-Days Open to Hunting

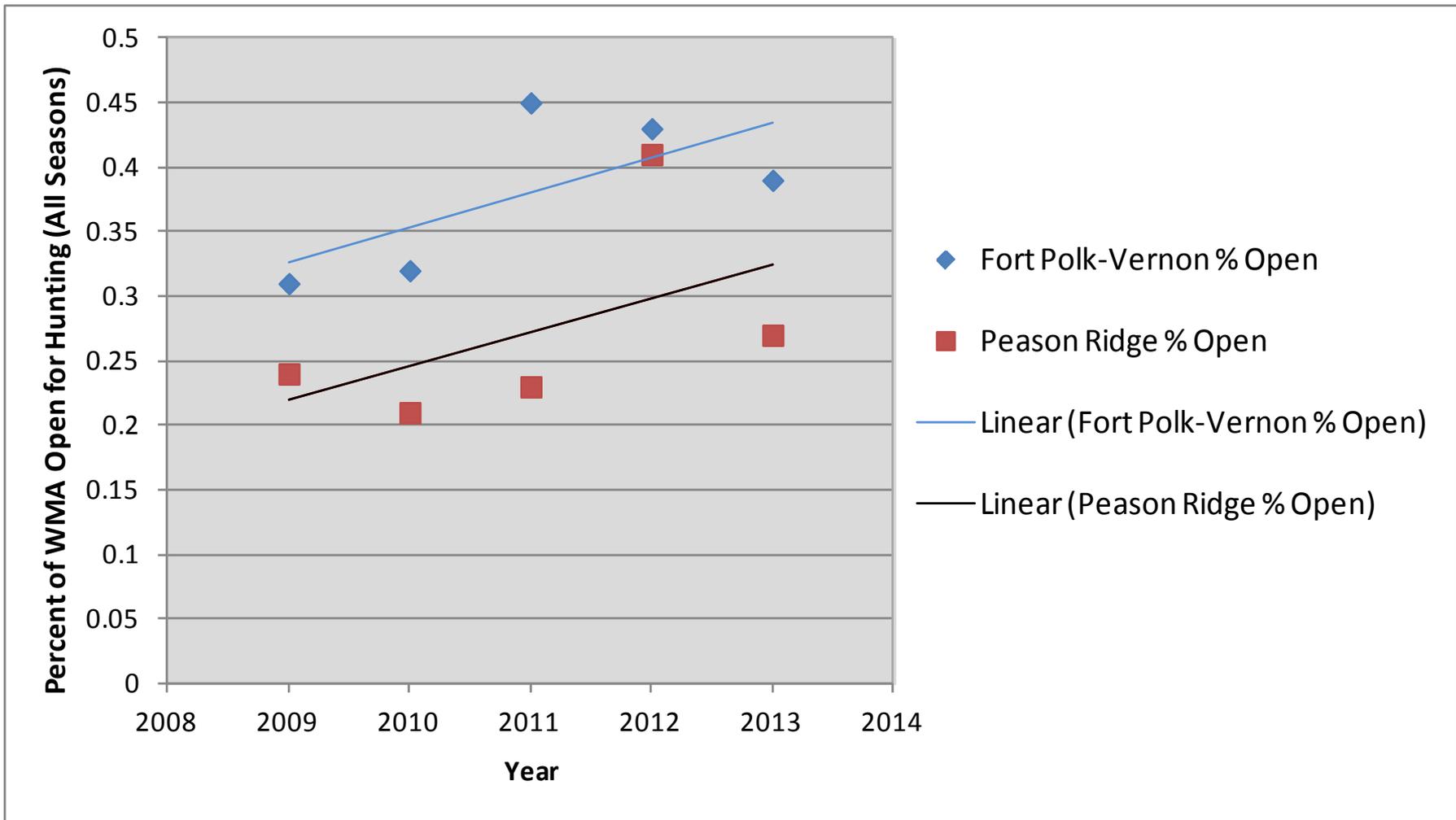


Hunting Permitted





Task 4-1.6: Percent Change in Hunting Opportunities Fort Polk-Vernon and Peason WMAs, 2009-2013



- Percent change over 5 years – Fort Polk-Vernon: 35% (LL Lambda = 0.89 UL Lambda = 2.04)
- Percent change over 5 years – Peason Ridge: 44% (LL Lamba = 0.68 UL Lambda = 3.05)



Supplemental Hunting Opportunities Report – Dove Season, Fall 2012



		Fort Polk- Vernon	Peason Ridge	Total (Installation Wide)
Opening Weekend - Dove Season (01 SEP - 02 SEP)	Acreage Available Day 1	68,114	18,949	87,063
	Acreage Available Day 2	69,010	24,086	93,096
	Actual Acre-Days Available	137,124	43,035	180,159
	Total Possible Acres	83,369	30,217	113,586
	Total Possible Acre-Days	166,738	60,434	227,172
	% Available	82.24%	71.21%	79.31%



Objective 4-2 Quarterly and Annual FY13 Monitoring Results

Quality of Life for Installation Neighbors: Noise, Wildfires and Road Conditions



Objective 4-2 Performance Results



Task#	Metric	Reporting Frequency	Performance Target Criteria			Performance Results			
			Green	Amber	Red	1 QTR 13	2 QTR 13	3 QTR 13	4 QTR 13
4-2.1	Number of operating days/year for LUA and Peason Ridge noise monitors (monitor-days/year).	Quarterly	LUA noise monitors were operational for $\geq 90\%$ of annual monitor-operating days/year; and Peason Ridge noise monitors were operational for $\geq 90\%$ of annual monitor-operating days/year.	LUA or Peason Ridge noise monitors were operational for $< 90\%$ of annual monitor-operating days/year and LUA and Peason Ridge monitors were operational for $\geq 75\%$ and of annual monitor-operating days/year.	LUA or Peason Ridge noise monitors were operational for $< 75\%$ of annual monitor-operating days/year.	Amber: (LUA noise monitors: 79% operational; Peason Ridge monitors: 83% operational)	Green: (LUA noise monitors: 92% operational; Peason Ridge monitors: 92% operational)	Green (LUA noise monitors: 100% operational; Peason Ridge monitors: 93% operational)	Amber (LUA noise monitors: 77% operational; Peason Ridge monitors: 100% operational)
4-2.2	Number of validated noise complaints. Note: the term "validated" indicates that military activities were confirmed to be the cause of the noise resulting in the complaint.	Quarterly	No validated noise complaints	One validated noise complaint	More than one validated noise complaint	Green No noise complaints in 1st quarter	Amber: One noise complaint received 18 Jan 2013 resulting from MK-82 bomb drop at Peason Ridge	Green No noise complaints in 3rd quarter.	Green No noise complaints in 4th quarter.
4-2.3	Percent of private land line miles in LUA maintained within 8 years and percent maintained within 10 years.	Annual	$\geq 90\%$ of private land line miles have been maintained in ≤ 8 years and 100% of land lines have been maintained in ≤ 10 years.	$< 90\%$ of private land line miles have been maintained in ≤ 8 years or $< 100\%$ of land lines have been maintained in ≤ 10 years; and $\geq 80\%$ of private land line miles have been maintained in ≤ 8 years and $\geq 95\%$ of land lines have been maintained in ≤ 10 years.	$< 80\%$ of private land line miles have been maintained in ≤ 8 years or $< 95\%$ of land lines have been maintained in ≤ 10 years.	N/A Annual	N/A Annual	N/A Annual	Red (45% maintained in 8 years and 100% maintained in 10 years)
4-2.4	Frequency of observed/reported incidents of trespass onto private lands in the LUA or SLUA based on Range Control clearance inspections and public complaints.	Annual	≤ 1 occurrence of trespass by troops onto private land in the LUA or SLUA.	2 - 5 total occurrences of trespass by troops onto private land in the LUA or SLUA.	> 5 total occurrences of trespass by troops onto private land in the LUA or SLUA	N/A Annual	N/A Annual	N/A Annual	No trend; no instances of trespass reported.
4-2.5	Percent of fire lines (miles) maintained annually.	Annual	100 % of fire lines in the LUA are maintained annually.	$\geq 90\%$ and $< 100\%$ of fire lines in the LUA are maintained annually.	$< 90\%$ of fire lines in the LUA are maintained annually.	N/A Annual	N/A Annual	N/A Annual	Red (81% of LUA firelines maintained in FY13)
4-2.6A	Number of high risk (Amber/Red/Black) fire days.	Quarterly	N/A	N/A	N/A	Green: 57 (62%); Amber: 35 (38%); Red: 0 (0%); Black: 0 (0%)	Green: 79 (88%); Amber: 10 (11%); Red: 1 (1%); Black: 0 (0%)	Green: 89 (98%); Amber: 2 (2%); Red: 0 (0%); Black: 0 (0%)	Green: 81 (88%); Amber: 4 (4%); Red: 7 (7%); Black: 0 (0%)
4-2.6B	Number of wildfires reported to NRMB that are caused by military operations (live fire or use of other incendiary devices on range or maneuver training areas) during high risk fire days.	Quarterly	N/A	N/A	N/A	Green: 28 (74%); Amber: 10 (26%); Red: 0 (0%); Black: 0 (0%)	Green: 9 (69%); Amber: 4 (31%); Red: 0 (0%); Black: 0 (0%)	Green: 22 (96%); Amber: 1 (4%); Red: 0 (0%); Black: 0 (0%)	Green: 29 (88%); Amber: 3 (9%); Red: 1 (3%); Black: 0 (0%)
4-2.6C	Total acreage of wildfires reported to NRMB that are caused by military operations (live fire or use of other incendiary devices on range or maneuver training areas) during high risk fire days.	Quarterly	N/A	N/A	N/A	Green: 561 (67%); Amber: 274 (33%); Red: 0 (0%); Black: 0 (0%)	Green: 522 (72%); Amber: 204 (28%); Red: 0 (0%); Black: 0 (0%)	Green: 179 (96%); Amber: 2 (4%); Red: 0 (0%); Black: 0 (0%)	Green: 258 (76%); Amber: 73 (21%); Red: 10 (3%); Black: 0 (0%)
4-2.7	Completion of annual LUA fire drill.	Annual	Annual LUA fire drill was completed.	N/A	Annual LUA fire drill was not completed.	N/A Annual	N/A Annual	N/A Annual	Green (Fire drill conducted 21 March 2013)
4-2.8	Number of wildfires on private property resulting from military activities.	Quarterly	No wildfires occurred on private property as a result of military activities.	N/A	One or more wildfires occurred on private property in the LUA as a result of military activities.	Green No military-caused wildfires occurred/ extended off-post	Green No military-caused wildfires occurred/ extended off-post	Green No military-caused wildfires occurred/ extended off-post	Green No military-caused wildfires occurred/ extended off-post



Task 4-2.1: Operation of Noise Monitors, FY13



Noise Monitoring Station Percent of Uptime by Quarter

Area	Monitor	1st Qtr FY13 % Uptime	2nd Qtr FY13 % Uptime	3rd Qtr FY13 % Uptime	4th Qtr FY13 % Uptime
KNF Limited Use Area	1	29	92	100	100
	2	98	99	100	10
	3	97	96	100	100
	4	97	100	100	33
	5	85	77	100	100
	6	73	83	100	100
	7	72	100	100	100
Peason Ridge	8	100	100	100	100
	9	99	99	100	100
	10	100	99	82	100
	11	99	77	100	100
	12	99	87	100	100
	13	2	82	100	100
	14	N/A	100	70	100



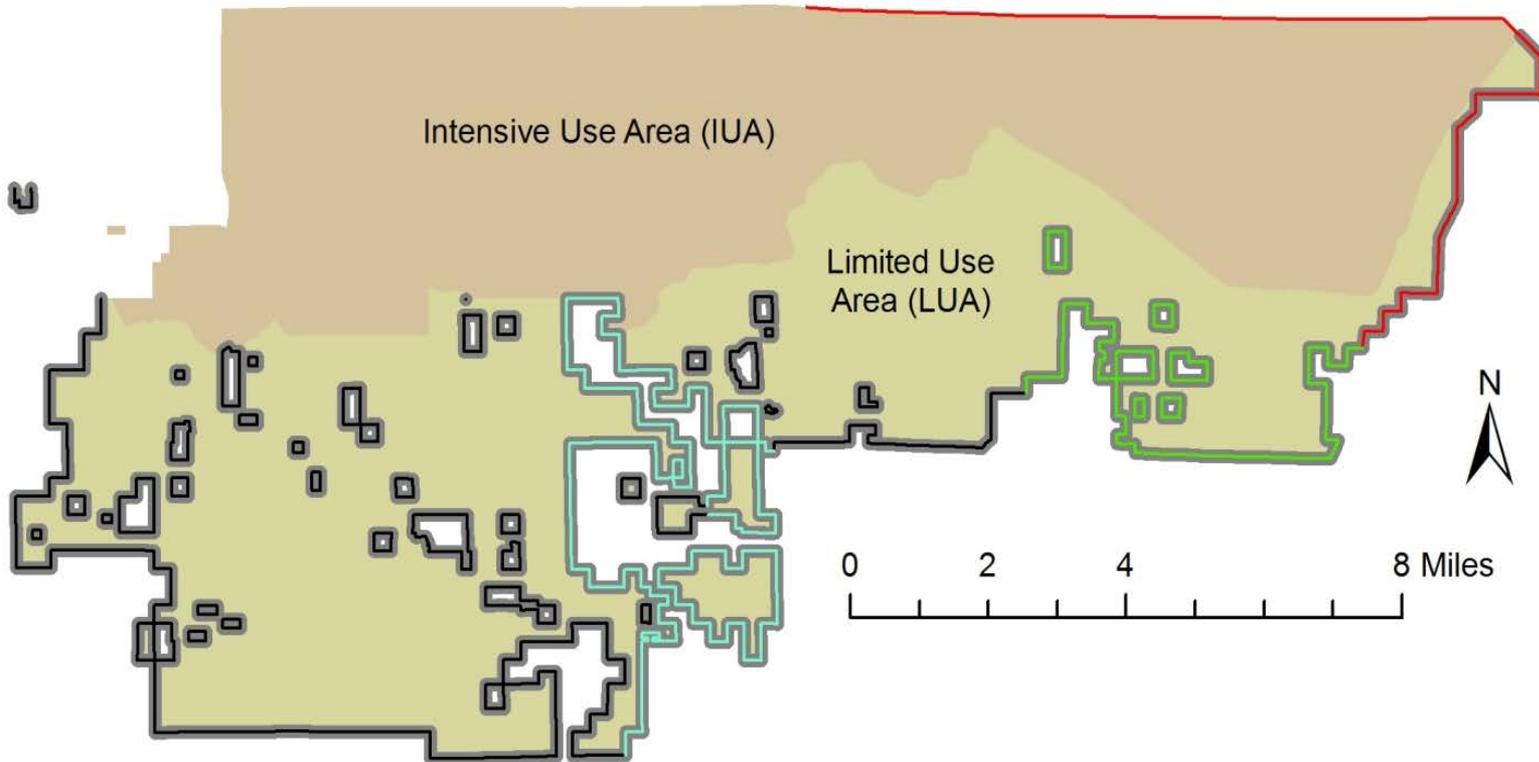
Task 4-2.3: KNF Limited Use Area Landline Miles and Percent of Landline Miles Requiring Maintenance (i.e., Those Shared With Private Lands) That Were Inspected and Maintained by Fiscal Year



Fiscal Year Last Maintained	Years Since Maintenance	Landline Miles Maintained	% of Landline Maintained
2011	2	34.8	26%
2010	3	19.8	15%
2007	6	6.9	5%
2004	9	74.1	55%
Maintained within 8 years		61.5	45%
Maintained within 10 years		135.6	100%
Total		135.6	100%

Note: A total of 10.5 miles of the shared boundary between Fort Polk and the IUA were maintained in FY2007. Those miles were not considered under SEMP Obj. 4-2.

Task 4-2.3: KNF Limited Use Area Landline or Property Boundary Shared with Private Lands and Requiring Maintenance to Prevent Military Trespass Onto Private Property, and Fraction of That Boundary Maintained by Fiscal Year



Legend

LUA Landlines To Be Maintained	Fiscal Year Landline Maintained
	2011
	2010
	2007
	2004



Task 4-2.5: Percent of LUA Fire Lines (Fire Breaks) Maintained Annually



Green: 100 % of fire lines in the LUA are maintained annually.	Amber: $\geq 90\%$ and $< 100\%$ of fire lines in the LUA are maintained annually.	Red: $< 90\%$ of fire lines in the LUA are maintained annually.
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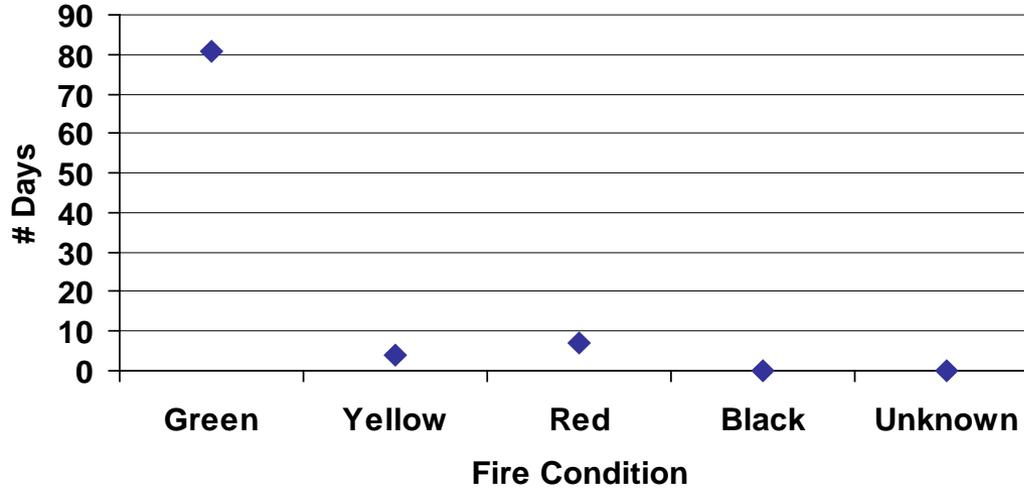
65 of 80 miles (81%) of LUA fire lines maintained in FY13



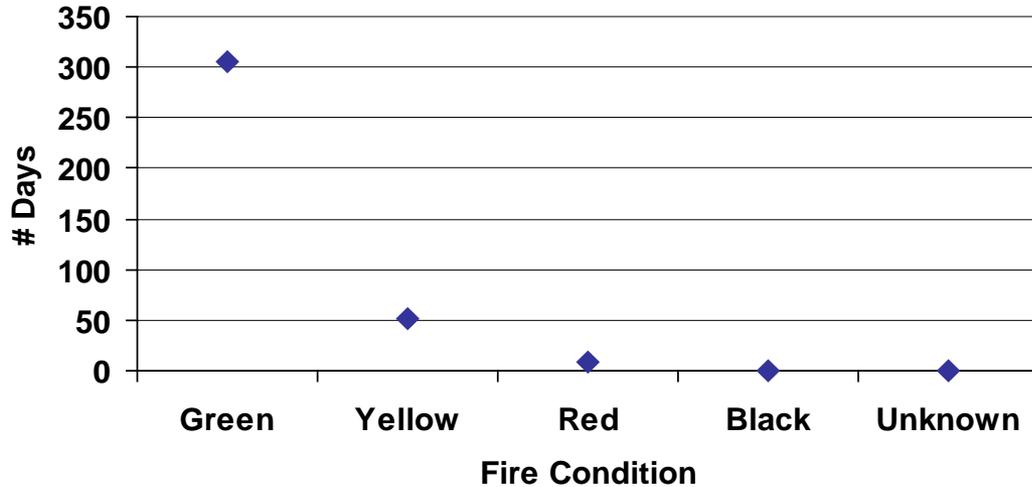
Task 4-2.6A: Fire Condition Summary, 4th Qtr FY13



Within Qtr



FY Totals Thru Qtr

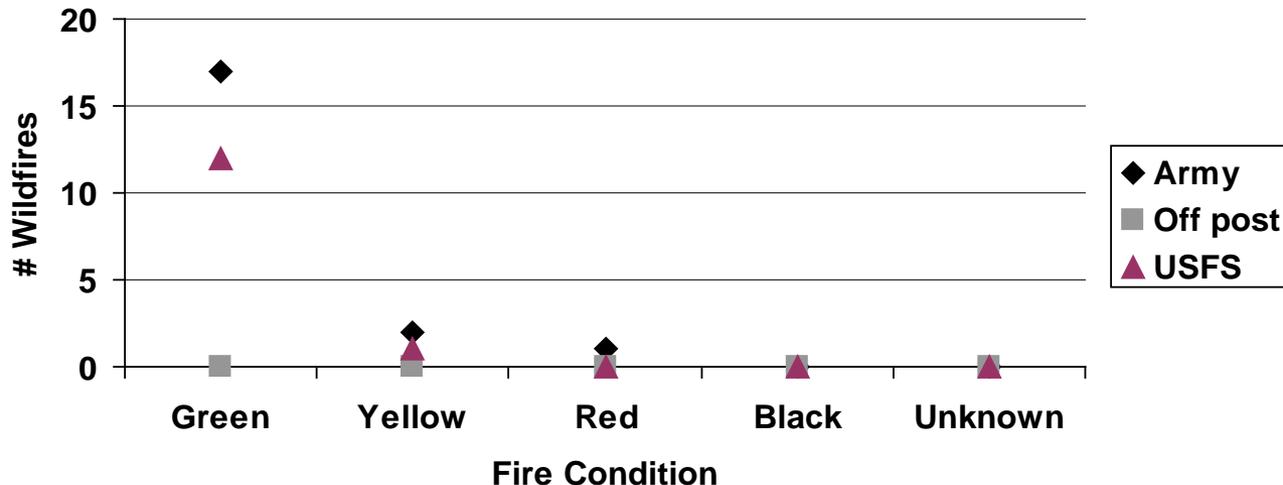




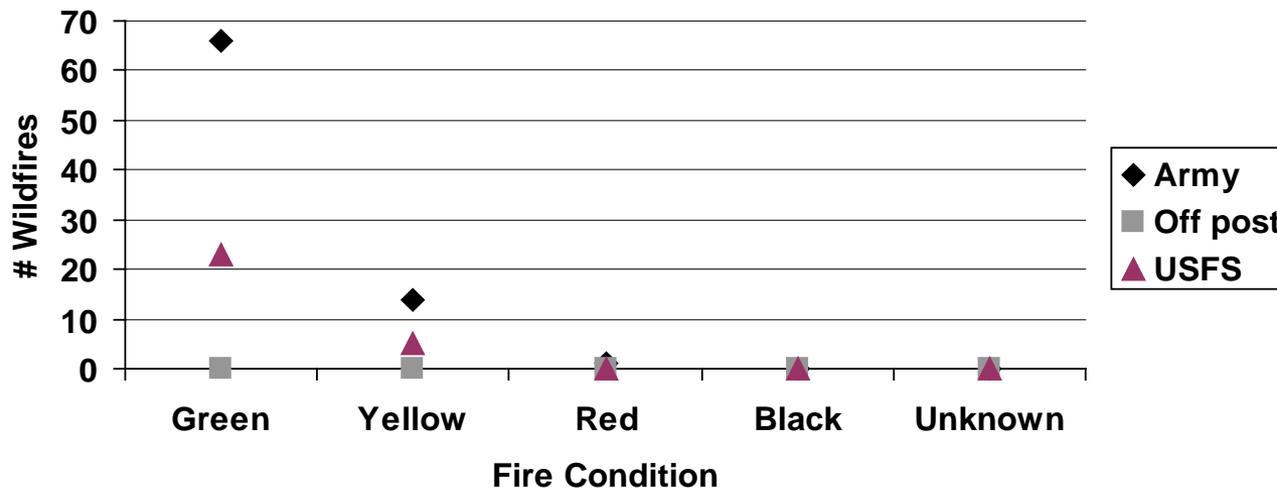
Task 4-2.6B: Number of Training-related Wildfires 4th Qtr FY13



Within Qtr By Ownership



FY Totals Thru Qtr By Ownership

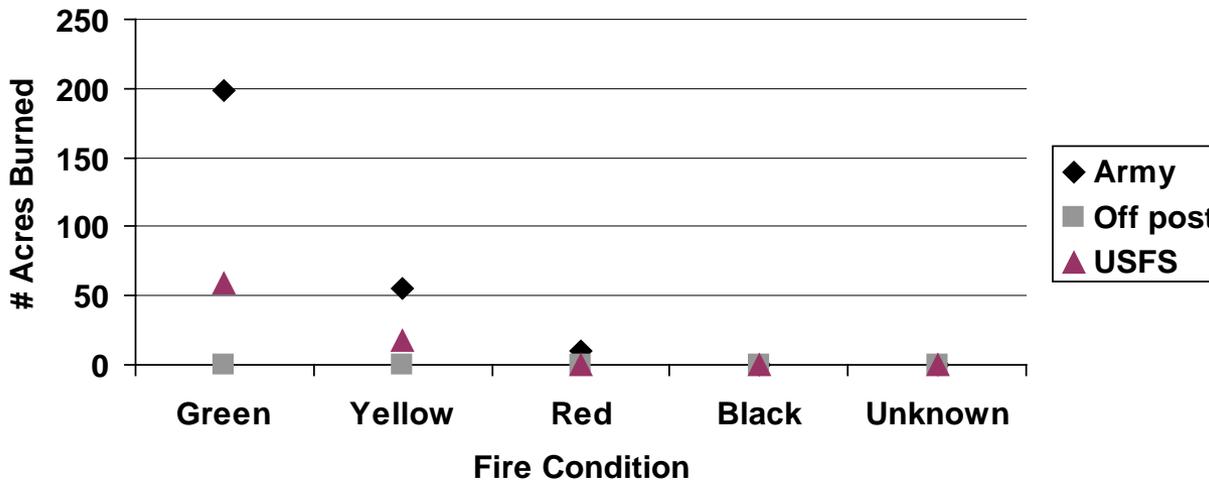




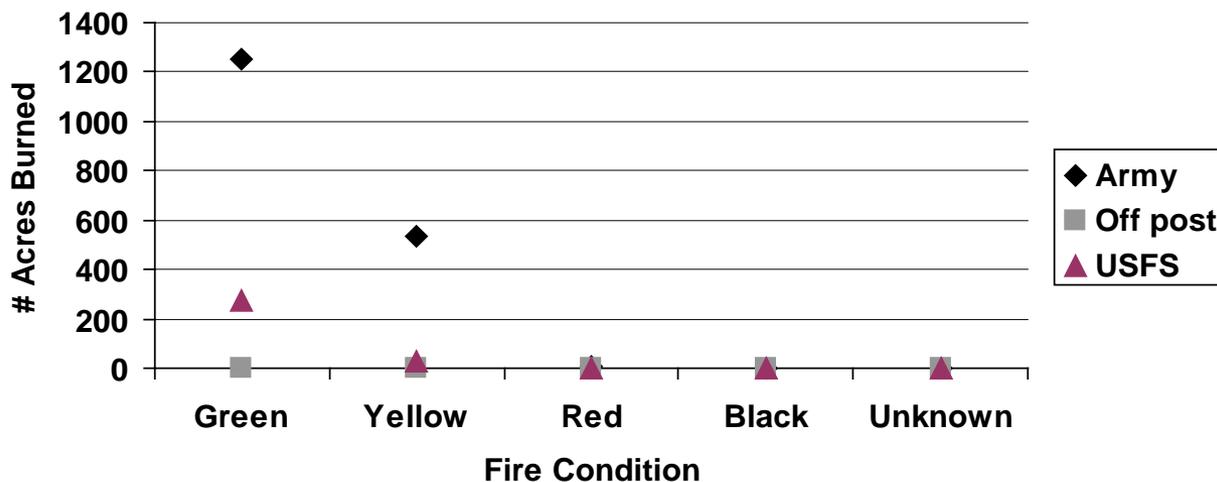
Task 4-2.6C: Acres Burned by Training-related Wildfires, 4th Qtr FY13



Within Qtr By Ownership

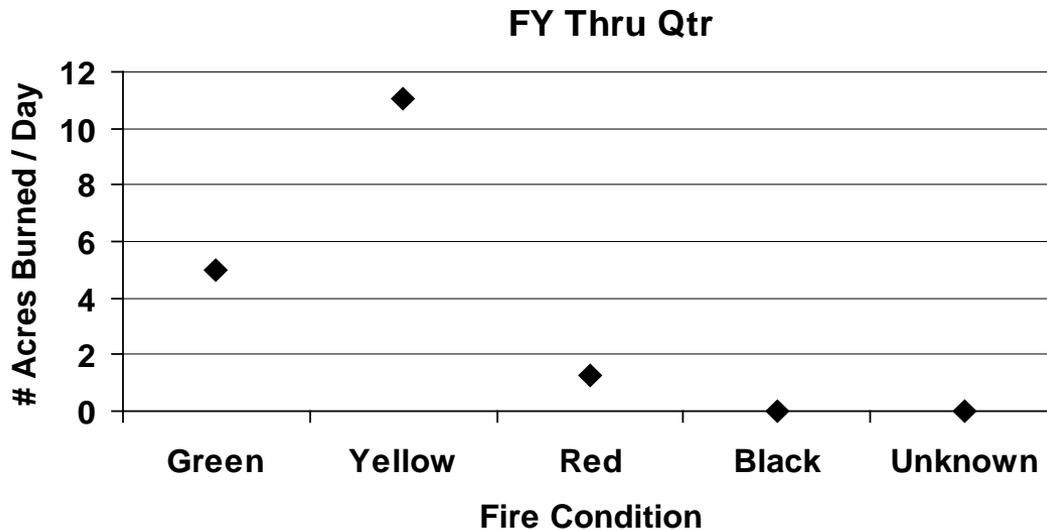
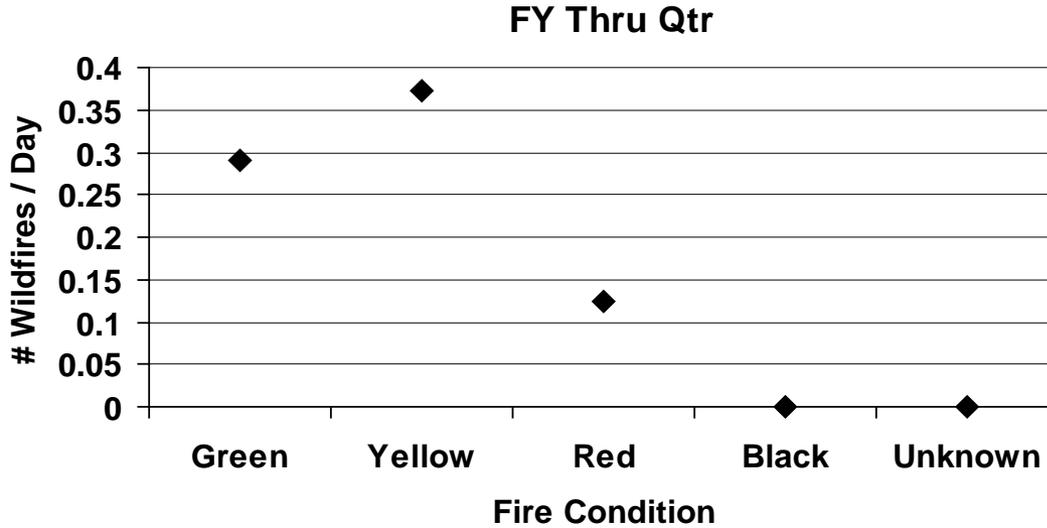


FY Totals Thru Qtr By Ownership





Wildfires/Acres Burned by Condition Day, 4th Qtr FY13





Objectives 5-1 and 5-2 FY13 Annual Results

Continual Improvement



Objectives 5-1 and 5-2 Performance Results



Task#	Metric	Reporting Frequency	Performance Target Criteria			FY13
			Green	Amber	Red	
5-1.1	Publication of annual SEMP report.	Annual	SEMP annual report is published online by 30 March of the next FY.	SEMP annual report is published online after 30 March and before 30 September of the next FY.	SEMP annual report is not published by 30 September of the next FY.	Amber (Report published April 2013; late due to technical problems with webpage hyperlinks)
5-2.1	Percent of quarterly/annual Red monitoring task performance results for which a root cause analysis was conducted and appropriate management actions were identified.	Annual	A root cause analysis was conducted and appropriate management actions were identified for 100% of monitoring task with Red performance results.	A root cause analysis was conducted and appropriate management actions were identified for < 100% and ≥ 80% of monitoring task with Red performance results.	A root cause analysis was conducted and appropriate management actions were identified for < 80% of monitoring task with Red performance results.	Green There were 11 tasks with red results in FY12 and 4 were recommended for RCA by the Oversight Committee. All 4 RCAs were completed within the due date.
5-2.2	Percent of SEMP monitoring questions for which one or more metrics and associated performance target criteria have been approved by the Oversight Committee.	Annual	Metrics and performance target criteria have been developed for ≥ 90% of SEMP monitoring questions by end of May 2010.	Metrics and performance target criteria have been developed for <90% and ≥ 70% of SEMP monitoring questions by end of May 2010.	Metrics and performance target criteria have been developed for < 70% of SEMP monitoring questions by end of May 2010.	Red (64 of an estimated 95 required measures are approved by Oversight Committee = 67%; 8 additional measures are in draft and awaiting Working Group / Committee approval)
5-2.3	Percent of approved SEMP monitoring tasks for which results were reported on schedule.	Annual	Results were reported on schedule for 100% of approved SEMP monitoring tasks.	N/A	Results were reported on schedule for < 100% of approved SEMP monitoring tasks.	Green 100% of results reported on time
5-2.4	SEMP Oversight Committee reviews conducted at least once per quarter.	Annual	One or more SEMP Oversight Committee reviews conducted per quarter.	N/A	Less than one SEMP Oversight Committee review conducted per quarter.	Green (4 quarterly meetings held in FY13)



SEMP FY13 Summary Reports

SEMP Performance Results Summary – FY12 and FY13

Goal	No.	Objective	FY12	FY13
Ensure that training lands are sustained for long-term use. Protect and conserve soil, water and land resources.	1-1	Minimize or avoid degradation of training lands and resources thru identification and correction of maneuver damages and Soldier education.	Green (0.80)	Green (0.90)
	1-2	Sustain training land conditions and soil productivity thru land rehabilitation and maintenance and watershed management practices.	Green (0.70)	Green (0.80)
	1-3	Protect/maintain high water quality thru maintenance of stream crossing structures, roads, trails and sediment basins; and by restrictions within streams and wetlands.	N/A	N/A
Manage for biological diversity. Protect and conserve threatened, endangered and rare species and maintain ecological processes.	2-1	Promote recovery of Vernon-Fort Polk RCW population through cooperative management and monitoring and Soldier education.	Green (1.0)	Green (0.88)
	2-2	Provide high-quality habitat for the RCW and other species native to the longleaf pine landscape. Use prescribed fire and thinning to maintain/achieve DFCs.	Red (0.37)	Red (0.25)
	2-3	Promote viability of the Louisiana pine snake through cooperative management, Soldier education, and construction project planning.	N/A	N/A
	2-4	Protect rare plants and wetlands through identification, marking and monitoring of hillside seeps and bogs (bogs marked in LUA only).	Green (0.83)	Green (0.88)
Provide functional, healthy, low impact and cost-effective facilities through sustainable design.	3-1	Avoid/minimize impacts to environmentally sensitive resources and promote sustainability by integrating Master Planning and environmental concerns.	Red (0.29)	Red (0.31)
	3-2	Ensure that new facilities are designed and constructed to comply with CWA, CAA, ESA and NEPA through project design and construction phase monitoring.	N/A	N/A
Act as “good neighbors” to residents and communities and serve as good stewards.	4-1	Support public recreation and multiple use activities on Polk and Peason WMAs, the LUA and SLUA through public information, scheduling and Soldier education.	Green (0.96)	Green (0.96)
	4-2	Protect quality of life for residents in or near the installation boundaries through noise monitoring; boundary markings, fire response and road repair/upgrades.	Green (0.92)	Amber (0.58)
	4-3	Avoid risks to public safety and conflicts with civilian activities in the LUA and SLUA.	N/A	N/A
Monitor and adapt mgmt for continual improvement	5-1	Jointly monitor implementation and effectiveness of EIS mitigation measures.	Amber (0.50)	Green (0.75)
	5-2	Jointly evaluate and report results, and adapt management accordingly.	Amber (0.33)	Green (0.67)

SEMP FY13 Objective Implementation Status

Goal	Objective	Implementation Status & Year
Goal 1 – Ensure that training lands are sustained for long-term use. Protect and conserve soil, water and land resources.	Objective 1-1: Minimize or avoid degradation of training lands and long-term damage to soils and natural resources through identification and correction of maneuver damages and soldier Sustainable Range Awareness (SRA) training.	2006
	Objective 1-2: Sustain training land conditions and soil productivity through land rehabilitation and maintenance and watershed management practices.	2007
	Objective 1-3: Maintain high water quality and aquatic ecosystems through maintenance of stream and wetland crossing structures, roads and trails; maintenance of sediment basins; and restrictions on training activities within streams, wetlands and riparian areas	2015
Goal 2 – Manage for biological diversity and ecological integrity. Protect and conserve threatened, endangered and rare species, and restore and maintain ecosystems and ecological processes.	Objective 2-1: Promote recovery of the Vernon-Fort Polk Red-Cockaded Woodpecker (RCW) population through cooperative Fort Polk and KNF management and monitoring strategies and Soldier SRA training.	2006
	Objective 2-2: Provide high-quality habitat for the RCW, Louisiana pine snake (LPS), and other rare species native to longleaf pine landscapes. Use prescribed fire forest thinning to achieve Desired Future Conditions.	2007
	Objective 2-3: Promote viability of the LPS through cooperative management strategies, Soldier SRA training, identification of probable LPS habitat, and construction project planning.	2014
	Objective 2-4: Protect rare plants and unique wetlands habitats through identification, marking and monitoring of hillside seeps and bogs.	2012
Goal 3 – Provide functional, healthy, low-impact and cost-effective facilities through sustainable design and development.	Objective 3-1: Avoid or minimize impacts to environmentally sensitive resources and promote installation sustainability through early integration of master planning and environmental concerns.	2009
	Objective 3-2: Ensure that new facilities are designed and built to comply with requirements under the Clean Water Act, Clean Air Act, Endangered Species Act, and National Environmental Policy Act through project planning and construction phase monitoring.	2014
Goal 4 – Act as “good neighbors” to residents and communities near Fort Polk and the KNF and serve as good stewards of public lands and resources.	Objective 4-1: Support public recreation and multiple uses on the Fort Polk and Peason Ridge Wildlife Management Areas, Limited Use Area (LUA) and Special Limited Use Area (SLUA) through public outreach, scheduling activities, and Soldier SRA training.	2007
	Objective 4-2: Protect the quality of life for residents near the installation boundaries through noise monitoring, boundary line marking, fire response and suppression, and road repairs and upgrades.	2011
	Objective 4-3: Avoid risks to public safety and conflicts with civilian activities and land uses in the LUA and SLUA.	2015
Goal 5 – Monitor progress toward goals and objectives and evaluate opportunities for continual improvement of environmental and natural resource management.	Objective 5-1: Jointly monitor implementation and effectiveness of mitigation measures in the EIS/Records of Decision for 2d ACR transformation, installation mission support, and long-term military use of KNF lands; and the EA/Decision Notice on increased military use of the LUA.	2009
	Objective 5-2: Jointly evaluate and report monitoring results, and adapt operations and management accordingly.	2009

Year = actual/estimated fiscal year in which the monitoring and evaluation process was/will be implemented for the objective; Green = metrics and performance criteria are developed, and monitoring and evaluation is ongoing; Amber = development of metrics and performance criteria is in progress; Red = development of metrics and performance criteria has not begun.



FY14 Way Ahead / Next Steps



SEMP FY14 Implementation Priorities



First

- Quarterly and annual reporting to Oversight Committee
- Online publication of annual report
- Completion of recommended Objective 2-3 metrics and performance targets for Louisiana pine snake conservation

Second

- Development of recommended metrics and performance targets for additional SEMP objectives (Objectives 1-3 / 3-2 / 4-3)
- Root cause analyses for metrics with “red” performance results for FY13 (annual) and FY14 (quarterly)
- Development /improvement of standardized monitoring and reporting protocols for selected in-place metrics

Third

- Development of data library and meta-data for SEMP records



SEMP FY14 Meeting Dates



- ✓ 1st Qtr FY14 – Thurs, 30 Jan 2014, 1330
- 2nd Qtr FY14 – Thurs, 24 Apr 2014, 1330
- 3rd Qtr FY14 – Thurs, 24 Jul 2014, 1330
- 4th Qtr FY14, Thurs, 23 Oct 2014, 1330