

APPENDIX H

RED-COCKADED WOODPECKER (RCW)

FORAGING ANALYSIS TABLES FOR THE

STANDARD FOR MANAGED STABILITY (SMS)

AND RECOVERY STANDARDS (RS),

ALTERNATIVES A AND B, MANEUVER CENTER

OF EXCELLENCE PROJECTS

Appendix Table H-1. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A06-01, Alternatives A and B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																										
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems >14" dbh	Hwd BA > 10" dbh	Pine BA > 10" dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Forested Acreage (within A20 Impact Area)	Future Potential Acreage	Future Potential BA
A0613	153.64	57	21	31.05	8.00	30.23	22.00	17.93	24.00	5.42	1.31	0.22	1.50	46.00	55.50	1	14	3	3	2	1	153.64	7,067.44			
A0701	1.36	14	21	28.38	10.00	40.55	30.00	12.91	15.00	0.00	0.00	0.00	0.00	45.00	55.00	5	30	0	3	2	0				1.36	61.20
A0706	31.17	56	25	42.34	12.00	17.22	12.50	5.72	8.50	9.97	2.18	1.51	4.50	21.00	37.50	1	43	14	3	2	0				31.17	654.57
A0713	1.19	54	31	5.93	2.00	9.51	7.50	5.41	8.00	2.98	2.23	4.32	7.50	15.50	25.00	1	47	31	3	2	0				1.19	18.45
A2001	35.23	80	25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0			35.23		
	222.59																					153.64	7,067.44	35.23	33.72	734.22

REMOVALS				Suitable Acreage Removed	Suitable BA Removed	Forested Acreage (within A20 Impact Area) Removed	Future Potential Acreage Removed	Future Potential BA Removed
Stand	Fiscal Year	Project Number	Project Name					
A0613	2010	65557	Repair Existing Training Area Roads, Phase 1	1.79	82.34		0.05	2.25
A0701	2010	65557	Repair Existing Training Area Roads, Phase 1				0.58	12.18
A0706	2010	65557	Repair Existing Training Area Roads, Phase 1				0.63	14.43
TOTAL REMOVALS				1.79	82.34	0.00	0.63	14.43

POST-PROJECT			2010
	Acres	BA	
Suitable Habitat	151.85	6,985.10	
Forested Habitat	35.23	0.00	
Future Potential Habitat	33.09	719.79	
TOTAL	220.17	7,704.89	

Key:		
BA = basal area	Type Burn:	Stand Score
dbh = diameter at breast height	0=no data available	0=Unsuitable
hwd = hardwood	1=non-growing season	1=Suitable
hgc = herbaceous ground cover	2=growing season	
Hardwood Midstory:		
1 = low, sparse	Forest Type:	
2 = low, moderate	21 = Longleaf Pine	
3 = low, dense	25 = Mixed Pine	
4 = medium, sparse	31 = Loblolly Pine	
5 = tall, sparse		
6 = medium, moderate		
7 = tall, moderate		
8 = medium, dense		
9 = tall, dense		

Appendix Table H-2. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A06-01, Alternatives A and B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgi

PRE-PROJECT																							Forested Acreage (within A20 Impact Area)		Future Potential Acreage		Future Potential BA	
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems >14" dbh	Hwd BA >10" dbh	Pine BA >10" dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA				
A0613	153.64	57	21	31.05	8.00	30.23	22.00	17.93	24.00	5.42	1.31	0.22	1.50	46.00	55.50	1	14	3	3	2	3.92	PS				153.64	7,067.44	
A0701	1.36	14	21	28.38	10.00	40.55	30.00	12.91	15.00	0.00	0.00	0.00	0.00	45.00	55.00	5	30	0	3	2	3.32	NH				1.36	61.20	
A0706	31.17	56	25	42.34	12.00	17.22	12.50	5.72	8.50	9.97	2.18	1.51	4.50	21.00	37.50	1	43	14	3	2	3.70	PS				31.17	654.57	
A0713	1.19	54	31	5.93	2.00	9.51	7.50	5.41	8.00	2.98	2.23	4.32	7.50	15.50	25.00	1	47	31	3	2	3.53	PS				1.19	18.45	
A2001	35.23	80	25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	2.47	PS						
222.59																							0.00	0.00	35.23	187.36	7,801.66	

REMOVALS										Forested Acreage (within A20 Impact Area) Removed		Future Potential Acreage Removed	Future Potential BA Removed
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed								
A0613	2010	65557	Repair Existing Training Area Roads, Phase 1							1.79	82.34		
A0701	2010	65557	Repair Existing Training Area Roads, Phase 1							0.05	2.25		
A0706	2010	65557	Repair Existing Training Area Roads, Phase 1							0.58	12.18		
TOTAL REMOVALS				0.00	0.00	0.00				2.42	96.77		

POST-PROJECT			2010	
	Acres	BA		
Suitable Habitat	0.00	0.00		
Forested Habitat	35.23	0.00		
Future Potential Habitat	184.94	7,704.89		
TOTAL	220.17	7,704.89		

KEY:		
BA = basal area	Type Burn:	Suitability
dbh = diameter at breast height	0=no data available	CS= currently suitable
hwd = hardwood	1=non-growing season	PS= potentially suitable
hgc = herbaceous ground cover	2=growing season	NH= non-habitat
Hardwood Midstory:	Forest Type:	
1 = low, sparse	21 = Longleaf Pine	
2 = low, moderate	25 = Mixed Pine	
3 = low, dense	31 = Loblolly Pine	
4 = medium, sparse		
5 = tall, sparse		
6 = medium, moderate		
7 = tall, moderate		
8 = medium, dense		
9 = tall, dense		

Appendix Table H-3. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A07-01, Alternatives A and B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																											
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10"	Hwd Stems 10-14" dbh	Hwd Stems >14" dbh	Hwd BA >10" dbh	Pine BA >10" dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A0706	17.11	56	25	42.34	12.00	17.22	12.50	5.72	8.50	9.97	2.18	1.51	4.50	21.00	37.50	1	43	14	3	2	0					17.11	359.31
A0708	70.49	73	21	23.62	6.00	12.48	8.50	12.47	20.50	3.84	2.34	0.70	2.50	29.00	37.50	1	41	11	3	2	0					70.49	2,044.21
A0709	52.84	54	31	31.84	9.47	20.81	15.26	9.63	13.16	8.74	0.00	2.04	4.21	28.42	42.11	1	22	6	3	2	0					52.84	1,501.71
A0711	16.54	49	26	34.26	10.00	29.29	20.00	10.07	14.00	7.44	0.00	0.23	0.50	34.00	44.50	1	43	1	3	1	1	16.54	562.36				
A0713	6.75	54	31	5.93	2.00	9.51	7.50	5.41	8.00	2.98	2.23	4.32	7.50	15.50	25.00	1	47	31	3	2	0					6.75	104.63
A0715	1.97	91	21	30.53	11.00	29.41	21.00	18.01	25.00	8.35	2.15	3.62	6.50	46.00	63.50	1	27	11	3	2	1	1.97	90.62				
A0716	13.14	24	57**	16.77	4.00	4.19	3.00	0.00	0.00	31.20	9.94	4.57	12.00	3.00	19.00	1	24	78	3	2	0					0.00	0.00
A0717	2.03	75	21	17.40	5.00	18.37	13.50	13.11	19.00	9.41	0.00	1.38	3.00	32.50	40.50	1	19	4	3	2	1	2.03	65.98				
A0720	15.05	39	31	23.87	8.00	31.91	22.50	12.73	17.00	0.00	0.00	0.00	0.00	39.50	47.50	1	42	0	3	1	1	15.05	594.48				
pp546*	0.25	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.25	0.00
196.17																						35.59	1,313.44	0.00	0.00	147.44	4,009.86

REMOVALS				Suitable Acreage		Potentially Suitable		Potentially Suitable BA		Future Potential	
Stand	Fiscal Year	Project Number	Project Name	Removed	Suitable BA Removed	Acreage Removed	Removed	Removed	Removed	Acreage Removed	BA Removed
A0706	2010	65557	Repair Existing Training Area Roads, Phase 1			0.31				6.51	
A0708	2010	65557	Repair Existing Training Area Roads, Phase 1			2.34				67.86	
A0709	2010	65557	Repair Existing Training Area Roads, Phase 1			6.52				185.30	
A0711	2010	65557	Repair Existing Training Area Roads, Phase 1	2.96	100.64						
pp546*	2010	65557	Repair Existing Training Area Roads, Phase 1			0.25				0.00	
TOTAL REMOVALS				2.96	100.64	0.00	0.00	9.42	259.67		

POST-PROJECT		2010	
Suitable Habitat	Acres	BA	
Potentially Suitable Habitat	0.00	0.00	
Future Potential Habitat	138.02	3,750.19	
TOTAL	170.65	4,962.99	

Key:		
BA= basal area	Type Burn:	Stand Score
dbh= diameter at breast height	0= no data available	0=Unsuitable
hwd= hardwood	1= non-growing season	1=Suitable
hgc= herbaceous ground cover	2= growing season	
Hardwood Midstory:		
1 = low, sparse	Forest Type:	
2 = low, moderate	21 = Longleaf Pine	
3 = low, dense	21P = Longleaf Pine Plantation	
4 = medium, sparse	25 = Mixed Pine	
5 = tall, sparse	26 = Mixed Pine-Longleaf	
6 = medium, moderate	31 = Loblolly Pine	
7 = tall, moderate	57* = Scrub Oak (not managed)	
8 = medium, dense		
9 = tall, dense		
* Note: No pine data was taken for pine plantation stands less than 30 years old.		

Appendix Table H-4. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A07-01, Alternatives A and B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia

PRE-PROJECT																												
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd. Stems 4-10" dbh	Hwd. Stems 10-14" dbh	Hwd. Stems >14" dbh	Hwd BA >10" dbh	Pine BA >10" dbh	Total Stand BA (Pines + Hwds)	Hwd. Midstory Height, Density	HGC (%)	% Hwd. Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A0706	17.11	56	25	42.34	12.00	17.22	12.50	5.72	8.50	9.97	2.18	1.51	4.50	21.00	37.50	1	43	14	3	2	3.70	PS					17.11	359.31
A0708	70.49	73	21	23.62	6.00	12.48	8.50	12.47	20.50	3.84	2.34	0.70	2.50	29.00	37.50	1	41	11	3	2	4.52	PS					70.49	2,044.21
A0709	52.84	54	31	31.84	9.47	20.81	15.26	9.63	13.16	8.74	0.00	2.04	4.21	28.42	42.11	1	22	6	3	2	3.95	PS					52.84	1,501.71
A0711	16.54	49	26	34.26	10.00	29.29	20.00	10.07	14.00	7.44	0.00	0.23	0.50	34.00	44.50	1	43	1	3	1	3.87	PS					16.54	562.36
A0713	6.75	54	31	5.93	2.00	9.51	7.50	5.41	8.00	2.98	2.23	4.32	7.50	15.50	25.00	1	47	31	3	2	3.53	PS					6.75	104.63
A0715	1.97	91	21	30.53	11.00	29.41	21.00	18.01	25.00	8.35	2.15	3.62	6.50	46.00	63.50	1	27	11	3	2	4.68	PS		1.97	90.62			
A0716	13.14	24	57**	16.77	4.00	4.19	3.00	0.00	0.00	31.20	9.94	4.57	12.00	3.00	19.00	1	24	78	3	2	2.62	NH				0.00	0.00	
A0717	2.03	75	21	17.40	5.00	18.37	13.50	13.11	19.00	9.41	0.00	1.38	3.00	32.50	40.50	1	19	4	3	2	4.30	PS				2.03	65.96	
A0720	15.05	39	31	23.87	8.00	31.91	22.50	12.73	17.00	0.00	0.00	0.00	0.00	39.50	47.50	1	42	0	3	1	3.92	PS				15.05	594.48	
pp546*	0.25	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH				0.25	0.00	
196.17																							0.00	0.00	1.97	90.62	181.06	5,232.68

REMOVALS							
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed
A0706	2010	65557	Repair Existing Training Area Roads, Phase 1				
A0708	2010	65557	Repair Existing Training Area Roads, Phase 1				
A0709	2010	65557	Repair Existing Training Area Roads, Phase 1				
A0711	2010	65557	Repair Existing Training Area Roads, Phase 1				
pp546*	2010	65557	Repair Existing Training Area Roads, Phase 1				
TOTAL REMOVALS				0.00	0.00	0.00	0.00

POST-PROJECT		
	2010	
Suitable Habitat	0.00	0.00
Potentially Suitable Habitat	1.97	90.62
Future Potential Habitat	168.68	4,872.37
TOTAL	170.65	4,962.99

Key:		
BA= basal area	Type Burn:	Suitability
dbh= diameter at breast height	0= no data available	CS= currently suitable
hwd= hardwood	1= non-growing season	PS= potentially suitable
hgc= herbaceous ground cover	2= growing season	NH= non-habitat
Hardwood Midstory:	Forest Type:	
1 = low, sparse	21 = Longleaf Pine	
2 = low, moderate	21P = Longleaf Pine Plantation	
3 = low, dense	25 = Mixed Pine	
4 = medium, sparse	26 = Mixed Pine-Longleaf	
5 = tall, sparse	31 = Loblolly Pine	
6 = medium, moderate	57** = Scrub Oak (not managed)	
7 = tall, moderate		
8 = medium, dense		
9 = tall, dense		
* Note: No pine data was taken for pine plantation stands less than 30 years old.		

Appendix Table H-5. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A08-01, Alternatives A and B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia

PRE-PROJECT																											
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd. Stems 4-10" dbh	Hwd. Stems 10-14" dbh	Hwd. Stems >14" dbh	Hwd BA >10" dbh	Pine BA >10" dbh	Total Stand BA (Pines + Hwds)	Hwd. Midstory Height, Density	HGC (%)	% Hwd. Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A0811	103.36	80	26	28.66	9.00	21.05	14.00	16.29	27.00	0.00	0.97	0.57	1.50	41.00	51.50	1	37	4	3	1	1	103.36	4,237.76				
A0902	0.96	53	31	36.77	9.50	25.21	19.00	12.56	16.50	0.00	1.16	0.00	1.00	35.50	46.00	2	33	3	3	1	1	0.96	34.08				
EE0215	15.43	81	31	18.88	6.00	11.86	8.50	10.15	15.50	2.86	5.42	5.08	13.00	24.00	43.00	8	23	32	3	1	0					15.43	370.32
EE0218	7.97	84	21	20.51	6.50	7.43	5.00	17.77	34.50	2.29	0.00	0.00	0.00	39.50	46.00	1	40	0	3	1	1	7.97	314.82				
EE0227	38.89	84	31	20.94	4.00	2.24	2.00	16.91	36.00	8.29	1.30	0.89	2.50	38.00	44.50	6	28	10	3	1	0			38.89	1,477.82		
pp304*	6.76	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					6.76	0.00
pp305*	1.01	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					1.01	0.00
pp306*	0.96	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.96	0.00
pp346*	3.49	11	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					3.49	0.00
Q0102	6.14	92	31	54.17	16.67	14.59	10.00	13.35	25.00	4.66	0.00	0.00	0.00	35.00	51.67	8	27	0	3	1	0			6.14	214.90		
Q0104	0.44	39	31	61.62	15.71	28.57	20.00	11.05	17.14	7.61	4.15	2.77	8.57	37.14	61.43	8	33	15	3	1	0			0.44	16.34		
Q0110	0.31	48	13	115.02	26.67	19.71	13.33	6.55	8.33	15.82	10.34	0.00	6.67	21.67	55.00	1	24	28	3	1	0					0.31	6.72
Q0114	1.51	58	31	26.88	8.00	31.74	23.50	12.83	17.50	6.98	0.59	0.00	0.50	41.00	49.50	2	30	1	3	1	1	1.51	61.91				
187.23																						113.80	4,648.57	45.47	1,709.06	27.96	377.04

REMOVALS									
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A0811	2009	69358	Range Access Road - Good Hope MTA	1.76	72.16				
A0902	2009	69358	Range Access Road - Good Hope MTA	0.17	6.04				
EE0215	2009	69358	Range Access Road - Good Hope MTA					0.43	10.32
EE0215	2009	67457	Infrastructure Support - Utilities					0.97	23.28
EE0218	2009	67457	Infrastructure Support - Utilities	1.33	52.54				
EE0227	2009	69358	Range Access Road - Good Hope MTA			1.16	44.08		
pp304*	2009	67457	Infrastructure Support - Utilities					0.40	0.00
pp305*	2009	67457	Infrastructure Support - Utilities					0.03	0.00
TOTAL REMOVALS				3.26	130.74	1.16	44.08	1.83	33.60

POST-PROJECT			2009	
	Acres	BA		
Suitable Habitat	110.54	4,517.83		
Potentially Suitable Habitat	44.31	1,664.98		
Future Potential Habitat	26.13	343.44		
TOTAL	180.98	6,526.25		

Key:		
BA= basal area	Type Burn:	Stand Score
dbh= diameter at breast height	0= no data available	0=Unsuitable
hwd= hardwood	1= non-growing season	1=Suitable
hgc= herbaceous ground cover	2= growing season	
Hardwood Midstory:	Forest Type:	
1 = low, sparse	13 = Loblolly Pine-Hardwood	
2 = low, moderate	21 = Longleaf Pine	
3 = low, dense	21P = Longleaf Pine Plantation	
4 = medium, sparse	26 = Mixed Pine-Longleaf	
5 = tall, sparse	31 = Loblolly Pine	
6 = medium, moderate		
7 = tall, moderate		
8 = medium, dense		
9 = tall, dense		
* Note: No pine data was taken for pine plantation stands less than 30 years old.		

Appendix Table H-6. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster
A08-01, Alternatives A and B for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia

PRE-PROJECT																												
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd. Stems 4-10" dbh	Hwd. Stems 10-14" dbh	Hwd. Stems >14" dbh	Hwd BA > 10" dbh	Pine BA > 10" dbh	Total Stand BA (Pines + Hwds)	Hwd. Midstory Height, Density	HGC (%)	% Hwd. Canopy	Number of years since last burn	Burn Type	Matrix Stand. Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A0811	103.36	80	26	28.66	9.00	21.05	14.00	16.29	27.00	0.00	0.97	0.57	1.50	41.00	51.50	1	37	4	3	1	4.57	PS					103.36	4,237.76
A0902	0.96	53	31	36.77	9.50	25.21	19.00	12.56	16.50	0.00	1.16	0.00	1.00	35.50	46.00	2	33	3	3	1	4.08	PS					0.96	34.08
EE0215	15.43	81	31	18.88	6.00	11.86	8.50	10.15	15.50	2.86	5.42	5.08	13.00	24.00	43.00	8	23	32	3	1	3.46	PS					15.43	370.32
EE0218	7.97	84	21	20.51	6.50	7.43	5.00	17.77	34.50	2.29	0.00	0.00	0.00	39.50	46.00	1	40	0	3	1	4.53	PS					7.97	314.82
EE0227	38.89	84	31	20.94	4.00	2.24	2.00	16.91	36.00	8.29	1.30	0.89	2.50	38.00	44.50	6	28	10	3	1	4.14	PS					38.89	1,477.82
pp304*	6.76	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH					6.76	0.00
pp305*	1.01	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH					1.01	0.00
pp306*	0.96	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH					0.96	0.00
pp346*	3.49	11	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH					3.49	0.00
Q0102	6.14	92	31	54.17	16.67	14.59	10.00	13.35	25.00	4.66	0.00	0.00	0.00	35.00	51.67	8	27	0	3	1	4.00	PS					6.14	214.90
Q0104	0.44	39	31	61.62	15.71	28.57	20.00	11.05	17.14	7.61	4.15	2.77	8.57	37.14	61.43	8	33	15	3	1	3.35	PS					0.44	16.34
Q0110	0.31	48	13	115.02	26.67	19.71	13.33	6.55	8.33	15.82	10.34	0.00	6.67	21.67	55.00	1	24	28	3	1	2.75	PS					0.31	6.72
Q0114	1.51	58	31	26.88	8.00	31.74	23.50	12.83	17.50	6.98	0.59	0.00	0.50	41.00	49.50	2	30	1	3	1	4.14	PS					1.51	61.91
187.23																							0.00	0.00	0.00	0.00	187.23	6,734.67

REMOVALS							
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed
A0811	2009	69358	Range Access Road - Good Hope MTA				
A0902	2009	69358	Range Access Road - Good Hope MTA				
EE0215	2009	69358	Range Access Road - Good Hope MTA				
EE0215	2009	67457	Infrastructure Support - Utilities				
EE0218	2009	67457	Infrastructure Support - Utilities				
EE0227	2009	69358	Range Access Road - Good Hope MTA				
pp304*	2009	67457	Infrastructure Support - Utilities				
pp305*	2009	67457	Infrastructure Support - Utilities				
TOTAL REMOVALS				0.00	0.00	0.00	0.00

POST-PROJECT		
	2009	
Suitable Habitat	Acres	BA
	0.00	0.00
Potentially Suitable Habitat	0.00	0.00
Future Potential Habitat	180.98	6,526.25
TOTAL	180.98	6,526.25

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
0= no data available
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine

* Note: No pine data was taken for pine plantation stands less than 30 years old.

Appendix Table H-7. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A08-02a, Alternatives A and B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia. Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																																																
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine B A 4 10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems >14" dbh	Hwd BA >10" dbh	Pine BA >10" dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA																					
A0804	38.58	57	21	31.74	9.00	15.09	10.50	17.29	24.50	5.29	1.09	1.41	3.50	35.00	47.50	1	30	7	3	1	1	38.58	1,350.30																									
A0807	42.92	80	21	21.12	6.50	9.44	6.50	18.95	29.50	8.78	0.00	0.00	0.00	36.00	42.50	2	31	0	3	1	1	42.92	1,545.12																									
A0811	0.88	80	26	28.66	9.00	21.05	14.00	16.29	27.00	0.00	0.97	0.57	1.50	41.00	51.50	1	37	4	3	1	1	0.00	0.00																									
EE0117	6.85	83	21	17.08	5.00	13.92	10.50	23.21	32.50	1.18	0.94	0.79	2.00	43.00	50.00	8	12	4	3	1	0			6.85	294.55																							
EE0208	2.99	57	31	2.83	1.05	7.49	5.79	13.97	21.58	3.65	5.99	2.30	8.95	27.37	37.37	9	20	28	3	1	0					0.00	0.00																					
EE0215	4.35	81	31	18.88	6.00	11.86	8.50	10.15	15.50	2.86	5.42	5.08	13.00	24.00	43.00	8	23	32	3	1	0					0.00	0.00																					
pp346*	8.73	11	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00																					
105.30																																																
																						81.50	2,895.42	6.85	294.55	0.00	0.00																					

REMOVALS									
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A0804	2009	69358	Range Access Road - Good Hope MTA	1.80	63.00				
EE0117	2009	69358	Range Access Road - Good Hope MTA			0.50	21.50		
EE0117	2009	67457	Infrastructure Support - Utilities			0.79	33.97		
TOTAL REMOVALS				1.80	63.00	1.29	55.47	0.00	0.00

POST-PROJECT			2009
Suitable Habitat	Acres	BA	79.70
Potentially Suitable Habitat	5.56	239.08	
Future Potential Habitat	0.00	0.00	
TOTAL	85.26	3,071.50	

Key:	Type Burn:	Stand Score
BA= basal area		
dbh= diameter at breast height	0= no data available	0=Unsuitable
hwd= hardwood	1= non-growing season	1=Suitable

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
0= no data available
1= non-growing season
2= growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine

* Note: No pine data was taken for pine plantation stands less than 30 years old.
Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Appendix Table H-8 Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster
A08-02a, Alternatives A and B for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia

PRE-PROJECT																												
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine Stems >14" dbh	Pine BA >14" dbh	Hwd. Stems 4-10" dbh	Hwd. Stems 10-14" dbh	Hwd. Stems >14" dbh	Hwd BA >10" dbh	Pine BA >10" dbh	Total Stand BA (Pines + Hwds)	Hwd. Midstory Height, Density	HGC (%)	% Hwd. Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA	
A0804	38.58	57	21	31.74	9.00	15.09	10.50	17.29	24.50	5.29	1.09	1.41	3.50	35.00	47.50	1	30	7	3	1	4.38	PS				38.58	1,350.30	
A0807	42.92	80	21	21.12	6.50	9.44	6.50	18.95	29.50	8.78	0.00	0.00	0.00	36.00	42.50	2	31	0	3	1	4.68	PS		42.92	1,545.12			
A0811	0.88	80	26	28.66	9.00	21.05	14.00	16.29	27.00	0.00	0.97	0.57	1.50	41.00	51.50	1	37	4	3	1	4.57	PS				0.00	0.00	
EE0117	6.85	83	21	17.08	5.00	13.92	10.50	23.21	32.50	1.18	0.94	0.79	2.00	43.00	50.00	8	12	4	3	1	4.20	PS		6.85	294.55			
EE0208	2.99	57	31	2.83	1.05	7.49	5.79	13.97	21.58	3.65	5.99	2.30	8.95	27.37	37.37	9	20	28	3	1	3.61	PS				0.00	0.00	
EE0215	4.35	81	31	18.88	6.00	11.86	8.50	10.15	15.50	2.86	5.42	5.08	13.00	24.00	43.00	8	23	32	3	1	3.46	PS				0.00	0.00	
pp346*	8.73	11	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH						
105.30																		0.00		0.00			0.00	0.00	49.77	1,839.67	38.58	1,350.30

REMOVALS							
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed
A0804	2009	69358	Range Access Road - Good Hope MTA				
EE0117	2009	69358	Range Access Road - Good Hope MTA			0.50	21.50
EE0117	2009	67457	Infrastructure Support - Utilities			0.79	33.97
TOTAL REMOVALS				0.00	0.00	1.29	55.47

POST-PROJECT		
	2009	
Suitable Habitat	0.00	0.00
Potentially Suitable Habitat	48.48	1,784.20
Future Potential Habitat	36.78	1,287.30
TOTAL	85.26	3,071.50

Key:		
BA= basal area	Type Burn:	Suitability
dbh= diameter at breast height	0= no data available	CS= currently suitable
hwd= hardwood	1= non-growing season	PS= potentially suitable
hgc= herbaceous ground cover	2= growing season	NH= non-habitat
Hardwood Midstory:	Forest Type:	
1 = low, sparse	21 = Longleaf Pine	
2 = low, moderate	21P = Longleaf Pine Plantation	
3 = low, dense	26 = Mixed Pine-Longleaf	
4 = medium, sparse	31 = Loblolly Pine	
5 = tall, sparse		
6 = medium, moderate		
7 = tall, moderate		
8 = medium, dense		
9 = tall, dense		
* Note: No pine data was taken for pine plantation stands less than 30 years old.		
Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.		

Appendix Table H-9. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benni **A08-03, Alternatives A and B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																										
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd. Stems 4-10" dbh	Hwd. Stems 10-14" dbh	Hwd. Stems >14" dbh	Hwd BA >10" dbh	Pine BA >10" dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Forested Acreage (within A20 Impact Area)	Future Potential Acreage	Future Potential BA
A0811	97.79	80	26	28.66	9.00	21.05	14.00	16.29	27.00	0.00	0.97	0.57	1.50	41.00	51.50	1	37	4	3	1	1	97.79	4,009.39			
A0901	2.00	95	26	30.96	7.00	2.91	2.00	12.26	23.50	2.55	0.64	1.63	3.00	25.50	35.50	6	36	13	3	1	0			17.33	2.00	51.00
A2003	17.33	80	25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					
117.12																						97.79	4,009.39	17.33	2.00	51.00

REMOVALS						
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Forested Acreage (within A20 Impact Area) Removed
A2003	2009	65078	Anti-Armor Tracking and Live Fire Complex (LA-AR1)			5.74
TOTAL REMOVALS				0.00	0.00	5.74
						0.00

POST-PROJECT			2009
Suitable Habitat	Acres	BA	
Suitable Habitat	97.79	4,009.39	
Forested Acreage	11.59	0.00	
Future Potential Habitat	2.00	51.00	
TOTAL	111.39	4,060.39	

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
0= no data available
1= non-growing season
2= growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
25 = Mixed Pine
26 = Mixed Pine-Longleaf

Appendix Table H-10. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A08-03, Alternatives A and B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia

PRE-PROJECT																							Forested Acreage			Future Potential																						
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4- 10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4- 10" dbh	Hwd Stems 10- 14" dbh	Hwd Stems > 14" dbh	Hwd BA >10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	(within A20 Impact	Future Potential Acreage	Future Potential BA																					
A0811	97.79	80	26	28.66	9.00	21.05	14.00	16.29	27.00	0.00	0.97	0.57	1.50	41.00	51.50	1	37	4	3	1	4.57	PS				97.79	4,009.39																					
A0901	2.00	95	26	30.96	7.00	2.91	2.00	12.26	23.50	2.55	0.64	1.63	3.00	25.50	35.50	6	36	13	3	1	3.86	PS				2.00	51.00																					
A2003	17.33	80	25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	2.47	PS			17.33																							
117.12																																												0.00	0.00	17.33	99.79	4,060.39

REMOVALS						Forested Acreage (within A20 Impact	Future Potential	Future Potential BA
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Area) Removed	Acreage Removed	Removed
A2003	2009	65078	Anti-Armor Tracking and Live Fire Complex (LA-AR1)			5.74		
TOTAL REMOVALS				0.00	0.00	5.74	0.00	0.00

POST-PROJECT		
	2009	
Suitable Habitat	Acres	BA
	0.00	0.00
Forested Acreage	11.59	0.00
Future Potential Habitat	99.79	4,060.39
TOTAL	111.39	4,060.39

Key:		
BA= basal area	Type Burn:	Suitability
dbh= diameter at breast height	0= no data available	CS= currently suitable
hwd= hardwood	1= non-growing season	PS= potentially suitable
hgc= herbaceous ground cover	2= growing season	NH= non-habitat
Hardwood Midstory:	Forest Type:	
1 = low, sparse	25 = Mixed Pine	
2 = low, moderate	26 = Mixed Pine-Longleaf	
3 = low, dense		
4 = medium, sparse		
5 = tall, sparse		
6 = medium, moderate		
7 = tall, moderate		
8 = medium, dense		
9 = tall, dense		

Appendix Table H-11. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benr **A08-04, Alternatives A and B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																																														
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd. Stems 4-10" dbh	Hwd. Stems 10-14" dbh	Hwd. Stems >14" dbh	Hwd BA >10" dbh	Pine BA >10" dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd. Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Forested Acreage (within A20 Impact Area)	Future Potential Acreage	Future Potential BA																				
A0811	27.11	80	26	28.66	9.00	21.05	14.00	16.29	27.00	0.00	0.97	0.57	1.50	41.00	51.50	1	37	4	3	1	1	27.11	1,111.51																							
A2001	11.16	80	25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0			11.16																						
A2003	143.63	80	25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0			143.63																						
181.90																																														
																						27.11	1,111.51	154.79	0.00	0.00																				

REMOVALS					
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Forested Acreage (within A20 Impact Area) Removed
A2003	2009	65078	Anti-Armor Tracking and Live Fire Complex (LA-AR1)		6.96
TOTAL REMOVALS				0.00	6.96

POST-PROJECT			2009
Suitable Habitat	Acres	BA	27.11 1,111.51
Forested Acreage	147.83	0.00	
Future Potential Habitat	0.00	0.00	
TOTAL	174.94	1,111.51	

Key:		
BA= basal area	Type Burn:	Stand Score
dbh= diameter at breast height	0= no data available	0=Unsuitable
hwd= hardwood	1= non-growing season	1=Suitable
hgc= herbaceous ground cover	2= growing season	
Hardwood Midstory:		Forest Type:
1 = low, sparse		25 = Mixed Pine
2 = low, moderate		26 = Mixed Pine-Longleaf
3 = low, dense		
4 = medium, sparse		
5 = tall, sparse		
6 = medium, moderate		
7 = tall, moderate		
8 = medium, dense		
9 = tall, dense		

Appendix Table H-12. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A08-04, Alternatives A and B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																													
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems >14" dbh	Hwd BA > 10" dbh	Pine BA > 10" dbh	Total Stand BA (Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Forested Acreage (within A20 Impact Area)	Future Potential Acreage	Future Potential BA		
A0811	27.11	80	26	28.66	9.00	21.05	14.00	16.29	27.00	0.00	0.97	0.57	1.50	41.00	51.50	1	37	4	3	1	4.57	PS				27.11	1,111.51		
A2001	11.16	80	25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	2.47	PS			11.16				
A2003	143.63	80	25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	2.47	PS			143.63				
181.90																							0.00	0.00	154.79	27.11	1,111.51		

REMOVALS		Fiscal Year		Project Number	Project Name	Suitable Acreage Removed	Forested Acreage (within A20 Impact Area) Removed	Future Potential Acreage Removed	Future Potential BA Removed
A2003	2009	65078		Anti-Armor Tracking and Live Fire Complex (LA-AR1)			6.96	0.00	0.00
TOTAL REMOVALS						0.00	0.00	6.96	0.00

POST-PROJECT			2009
		Acres	BA
Suitable Habitat		0.00	0.00
Forested Acreage		147.83	0.00
Future Potential Habitat		27.11	1,111.51
TOTAL		174.94	1,111.51

Key:		
BA= basal area	Type Burn:	Suitability
dbh= diameter at breast height	0= no data available	CS= currently suitable
hwd= hardwood	1= non-growing season	PS= potentially suitable
hgc= herbaceous ground cover	2= growing season	NH= non-habitat
Hardwood Midstory:		
1 = low, sparse	Forest Type:	
2 = low, moderate	25 = Mixed Pine	
3 = low, dense	26 = Mixed Pine-Longleaf	
4 = medium, sparse		
5 = tall, sparse		
6 = medium, moderate		
7 = tall, moderate		
8 = medium, dense		
9 = tall, dense		

A09-03R, Alternative A for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

REMOVALS			Suitable Acreage		Potentially Suitable	Potentially Suitable BA	Future Potential	Future Potential BA
Stand	Fiscal Year	Project Number	Project Name	Removed	Suitable BA Removed	Acreage Removed	Removed	Acreage Removed
A0911	2009	69358	Range Access Road - Good Hope MTA			7.50		
A0924	2009	69358	Range Access Road - Good Hope MTA			103.39		
Q0243	2009	69358	Range Access Road - Good Hope MTA			11.84		
Q0249	2009	69358	Range Access Road - Good Hope MTA	0.69	25.30			
Q0258	2009	69358	Range Access Road - Good Hope MTA			24.26		
pp20*	2009	69668	Good Hope Training Area Infrastructure				1.19	0.00
TOTAL REMOVALS				0.69	25.30	4.40	146.99	1.19
							0.00	

<u>POST-PROJECT</u>	<u>2009</u>
<u>Acres</u>	<u>BA</u>
<u>Suitable Habitat</u>	11.20 393.87
<u>Potentially Suitable Habitat</u>	103.67 3,379.73
<u>Future Potential Habitat</u>	7.21 0.00
<u>TOTAL</u>	122.08 3,773.60

Key:	Type Burn:	Stand Score
BA = basal area		
dbh = diameter at breast height	0=no data available	0=Unstable
hw = hardwood	1=non-growing season	1=Suitable
hgc = herbaceous ground cover	2=growing season	
Hardwood Mistory:	Forest Type:	
1 = low, sparse	10 = Yellow Pine-Upland Hardwood	
2 = low, moderate	13 = Loblolly Pine	
3 = low, dense	21 = Longleaf Pine	
4 = medium, sparse	21P = Longleaf Pine Plantation	
5 = tall, sparse	31 = Loblolly Pine	
6 = medium, moderate	42** = Upland Hardwood-Yellow Pine (not managed)	
7 = tall, moderate		
8 = medium, dense		
9 = tall, dense		

* Note: No pine data was taken for pine plantations stand less than 30 years old.

** Non-contiguous fengling habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Appendix Table H-14. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A09-03R, Alternative A** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																												
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine Stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems >14" dbh	Hwd BA >10" dbh	Pine BA >10" dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A0911	3.24	92	31	13.28	2.50	3.39	3.00	15.95	27.00	4.96	3.01	1.99	5.50	30.00	38.00	6	33	21	3	1	4.14	PS					3.24	97.20
A0916	8.20	103	42**	12.51	3.50	4.38	3.50	7.00	13.50	16.69	13.72	7.45	21.50	17.00	42.00	7	21	65	3	1	3.11	PS					0.00	0.00
A0924	96.43	100	21	17.76	4.21	6.45	4.21	15.60	27.89	2.15	0.00	0.00	0.00	32.11	36.32	6	37	0	3	1	4.27	PS					96.43	3,096.37
A1105	8.90	94	13	0.00	0.00	0.00	0.00	16.85	44.44	16.33	9.31	5.47	16.67	44.44	61.11	7	11	47	0	0	3.65	PS					0.00	0.00
pp186*	0.63	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH					0.63	0.00
pp20*	7.15	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH					7.15	0.00
pp21*	0.62	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH					0.62	0.00
Q0243	2.72	60	31	25.66	5.50	2.48	1.50	15.02	30.50	7.72	4.44	0.88	4.50	32.00	42.00	8	32	23	3	1	3.95	PS					2.72	87.04
Q0249	5.77	52	10	28.43	8.33	13.39	10.00	13.91	26.67	22.70	11.49	0.96	8.33	36.67	53.33	2	38	31	3	1	4.13	PS					5.77	211.59
Q0251	0.69	56	31	41.14	11.50	31.18	21.50	5.80	9.50	16.63	0.72	0.75	1.50	31.00	44.00	2	31	4	3	1	3.56	PS					0.69	21.39
Q0259	5.43	56	31	22.63	7.14	26.89	18.57	10.13	15.71	6.01	2.02	1.63	4.29	34.29	45.71	1	29	9	3	1	4.00	PS					5.43	186.19
Q0263	5.68	52	31	0.00	0.00	4.27	3.33	20.87	40.00	14.00	4.58	6.09	13.33	43.33	56.67	8	13	30	3	1	3.88	PS					5.68	246.11
																							0.00	0.00	0.00	0.00	128.36	3,945.89

REMOVALS								
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A0911	2009	69358	Range Access Road - Good Hope MTA				0.25	7.50
A0924	2009	69358	Range Access Road - Good Hope MTA				3.22	103.39
Q0243	2009	69358	Range Access Road - Good Hope MTA				0.37	11.84
Q0249	2009	69358	Range Access Road - Good Hope MTA				0.69	25.30
Q0263	2009	69358	Range Access Road - Good Hope MTA				0.56	24.26
pp20*	2009	69668	Good Hope Training Area Infrastructure				1.19	0.00
TOTAL REMOVALS				0.00	0.00	0.00	6.28	172.29

POST-PROJECT		
	2009	
Suitable Habitat	0.00	0.00
Potentially Suitable Habitat	0.00	0.00
Future Potential Habitat	122.08	3,773.60
TOTAL	122.08	3,773.60

Key:

BA = basal area
dbh = diameter at breast height
hwd = hardwood
hgc = herbaceous ground cover

Type Burn:
0=no data available
1=non-growing season
2=growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
31 = Loblolly Pine
42** = Upland Hardwood-Yellow Pine (not managed)

* Note: No pine data was taken for pine plantation stands less than 30 years old.

** Note: Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Appendix Table H-15. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A09-03R, Alternative B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																													
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd BA 4-10" dbh	Hwd Stems 10-14" dbh	Hwd BA 10-14" dbh	Hwd Stems >14" dbh	Pine BA >10" dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA	
A0911	3.24	92	31	13.28	2.50	3.39	3.00	15.95	27.00	4.96	3.01	1.99	5.50	30.00	38.00	6	33	21	3	1	0				3.24	97.20			
A0916	8.20	103	42**	12.51	3.50	4.38	3.50	7.00	13.50	16.69	13.72	7.45	21.50	17.00	42.00	7	21	65	3	1	0						0.00	0.00	
A0924	96.43	100	21	17.76	4.21	6.45	4.21	15.60	27.89	2.15	0.00	0.00	0.00	32.11	36.32	6	37	0	3	1	0			96.43	3,096.37				
A1105	8.90	94	13	0.00	0.00	0.00	0.00	16.85	44.44	16.33	9.31	5.47	16.67	44.44	61.11	7	11	47	0	0	0			0.00	0.00				
pp186*	0.63	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0						0.63	0.00	
pp20*	7.15	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0						7.15	0.00	
pp21*	0.62	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0						0.62	0.00	
Q0243	2.72	60	31	25.66	5.50	2.48	1.50	15.02	30.50	7.72	4.44	0.88	4.50	32.00	42.00	8	32	23	3	1	0				2.72	87.04			
Q0249	5.77	52	10	28.43	8.33	13.39	10.00	13.91	26.67	22.70	11.49	0.96	8.33	36.67	53.33	2	38	31	3	1	1		5.77	211.59					
Q0251	0.69	56	31	41.14	11.50	31.18	21.50	5.80	9.50	16.63	0.72	0.75	1.50	31.00	44.00	2	31	4	3	1	1		0.69	21.39					
Q0259	5.43	56	31	22.63	7.14	26.89	18.57	10.13	15.71	6.01	2.02	1.63	4.29	34.29	45.71	1	29	9	3	1	1		5.43	186.19					
Q0263	5.68	52	31	0.00	0.00	4.27	3.33	20.87	40.00	14.00	4.58	6.09	13.33	43.33	56.67	8	13	30	3	1	0				5.68	246.11			
145.46																													

REMOVALS									
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A0911	2009	69358	Range Access Road - Good Hope MTA			0.25	7.50		
A0924	2009	69358	Range Access Road - Good Hope MTA			3.22	103.39		
pp20*	2009	69668	Good Hope Training Area Infrastructure					1.19	0.00
pp21*	2009	69741	Alternate 19D/K OSUT Training Area-Construct Tank Trails					0.30	0.00
Q0243	2009	69741	Alternate 19D/K OSUT Training Area-Construct Tank Trails			1.63	52.16		
Q0243	2009	69358	Range Access Road - Good Hope MTA			0.37	11.84		
Q0249	2009	69741	Alternate 19D/K OSUT Training Area-Construct Tank Trails	3.05		111.84			
Q0249	2009	69358	Range Access Road - Good Hope MTA	0.69		25.30			
Q0259	2009	69741	Alternate 19D/K OSUT Training Area-Construct Tank Trails	3.51		120.36			
Q0263	2009	69358	Range Access Road - Good Hope MTA			0.56	24.26		
TOTAL REMOVALS				7.25		257.50	6.03	199.15	1.49
									0.00

POST-PROJECT		
2009		
Suitable Habitat	Acres	BA
Potentially Suitable Habitat	102.04	3,327.57
Future Potential Habitat	6.91	0.00
TOTAL	113.59	3,489.24

Key:

BA = basal area
dbh = diameter at breast height
hwd = hardwood
hgc = herbaceous ground cover

Type Burn:
0=no data available
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
31 = Loblolly Pine
42** = Upland Hardwood-Yellow Pine (not managed)

* Note: No pine data was taken for pine plantation stands less than 30 years old.
Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Appendix Table H-16. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A09-03R, Alternative B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine Stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems >14" dbh	Hwd BA >10" dbh	Pine BA >10" dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
A0911	3.24	92	31	13.28	2.50	3.39	3.00	15.95	27.00	4.96	3.01	1.99	5.50	30.00	38.00	6	33	21	3	1	4.14	PS				3.24	97.20																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
A0916	8.20	103	42**	12.51	3.50	4.38	3.50	7.00	13.50	16.69	13.72	7.45	21.50	17.00	42.00	7	21	65	3	1	3.11	PS				0.00	0.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
A0924	96.43	100	21	17.76	4.21	6.45	4.21	15.60	27.89	2.15	0.00	0.00	0.00	32.11	36.32	6	37	0	3	1	4.27	PS				96.43	3,096.37																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
A1105	8.90	94	13	0.00	0.00	0.00	0.00	16.85	44.44	16.33	9.31	5.47	16.67	44.44	61.11	7	11	47	0	0	3.65	PS				0.00	0.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
pp186*	0.63	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH				0.63	0.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
pp20*	7.15	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH				7.15	0.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
pp21*	0.62	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH				0.62	0.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
Q0243	2.72	60	31	25.66	5.50	2.48	1.50	15.02	30.50	7.72	4.44	0.88	4.50	32.00	42.00	8	32	23	3	1	3.95	PS				2.72	87.04																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
Q0249	5.77	52	10	28.43	8.33	13.39	10.00	13.91	26.67	22.70	11.49	0.96	8.33	36.67	53.33	2	38	31	3	1	4.13	PS				5.77	211.59																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
Q0251	0.69	56	31	41.14	11.50	31.18	21.50	5.80	9.50	16.63	0.72	0.75	1.50	31.00	44.00	2	31	4	3	1	3.56	PS				0.69	21.39																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
Q0259	5.43	56	31	22.63	7.14	26.89	18.57	10.13	15.71	6.01	2.02	1.63	4.29	34.29	45.71	1	29	9	3	1	4.00	PS				5.43	186.19																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
Q0263	5.68	52	31	0.00	0.00	4.27	3.33	20.87	40.00	14.00	4.58	6.09	13.33	43.33	56.67	8	13	30	3	1	3.88	PS				5.68	246.11																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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Appendix Table H-17. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A09-04R Alternatives A and B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																											
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems >14" dbh	Hwd BA >10" dbh	Pine BA >10" dbh	BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A0901	5.86	95	26	30.96	7.00	2.91	2.00	12.26	23.50	2.55	0.64	1.63	3.00	25.50	35.50	6	36	13	3	1	0					5.86	149.43
A0904	17.33	53	31	41.41	10.50	14.39	10.00	11.05	15.00	9.50	4.33	1.35	5.50	25.00	41.00	2	28	18	3	1	0					17.33	433.25
A0905	4.29	50	31	12.55	3.50	9.52	7.50	13.47	23.00	18.37	10.45	2.60	11.50	30.50	45.50	5	28	36	3	1	0						
A0907	57.33	91	31	12.99	3.50	8.72	6.00	13.34	24.00	6.46	2.16	0.59	2.50	30.00	36.00	2	31	11	3	1	1	57.33	1,719.90	4.29	130.85		
A0909	5.10	91	62**	6.14	2.00	9.92	7.50	7.40	13.00	31.70	21.38	9.96	30.50	20.50	53.00	7	14	64	3	1	0					0.00	0.00
A0912	56.97	59	26	11.06	3.00	7.44	6.00	13.17	19.00	19.92	3.38	3.10	6.50	25.00	34.50	1	39	24	3	1	0					56.97	1,424.25
A0918	21.63	0	62**	10.40	3.00	1.81	1.50	7.13	14.00	44.10	29.43	17.65	47.00	15.50	65.50	7	18	84	3	1	0					0.00	0.00
A0920	6.58	5	21PU	4.51	3.32	4.50	4.64	3.00	1.20	10.97	10.58	9.83	22.50	5.00	32.00	2	36	78	3	1	0					0.00	0.00
A0921	1.69	54	31	16.90	5.00	17.29	12.50	9.31	13.00	5.15	0.00	0.95	1.50	25.50	32.00	2	45	3	3	1	0					0.00	0.00
A1003	29.95	69	10	12.51	4.00	9.37	7.50	9.40	15.00	31.23	11.50	4.01	13.50	22.50	40.00	7	26	45	0	0	0					29.95	673.88
A1008	20.82	50	25	37.66	10.00	28.28	19.50	13.38	21.00	14.39	5.34	1.85	7.50	40.50	58.00	1	32	15	0	0	1	20.82	843.21				
pp184*	5.45	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					5.45	0.00
pp185*	3.21	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					3.21	0.00
pp187*	2.52	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					2.52	0.00
238.73																						78.15	2,563.11	4.29	130.85	121.29	2,680.81

REMOVALS						
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed
A0904	2009	65078	Construction Buffer for Anti-Armor Tracking and Live Fire Complex			17.09
A1003	2009	65078	Construction Buffer for Anti-Armor Tracking and Live Fire Complex			0.02
TOTAL REMOVALS				0.00	0.00	17.11

POST-PROJECT		
	2009	BA
Suitable Habitat	78.15	2,563.11
Potentially Suitable Habitat	4.29	130.85
Future Potential Habitat	104.18	2,253.11
TOTAL	186.62	4,947.07

Key:		
BA = basal area	Type Burn:	Stand Score
dbh = diameter at breast height	0=no data available	0=Unsuitable
hwd = hardwood	1=non-growing season	1=Suitable
hgc = herbaceous ground cover	2=growing season	
Hardwood Midstory:		
1 = low, sparse	10 = Yellow Pine-Upland Hardwood	
2 = low, moderate	21P = Longleaf Pine Plantation	
3 = low, dense	21PU = Longleaf Pine Plantation Underplanted	
4 = medium, sparse	25 = Mixed Pine	
5 = tall, sparse	26 = Mixed Pine-Longleaf	
6 = medium, moderate	31 = Loblolly Pine	
7 = tall, moderate	62** = Sweetgum-Water Oak-Willow Oak	
8 = medium, dense	(Managed for Hardwoods)	
9 = tall, dense		
* Note: No pine data was taken for pine plantation stands less than 30 years old.		
Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.		

Appendix Table H-18 Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A09-04R Alternatives A and B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																													
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd BA 4-10" dbh	Hwd Stems 10-14" dbh	Hwd BA 10-14" dbh	Hwd Stems >14" dbh	Hwd BA >14" dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A0901	5.86	95	26	30.96	7.00	2.91	2.00	12.26	23.50	2.55	0.64	1.63	3.00	25.50	35.50	6	36	13	3	1	3.97	PS					5.86	149.43	
A0904	17.33	53	31	41.41	10.50	14.39	10.00	11.05	15.00	9.50	4.33	1.35	5.50	25.00	41.00	2	28	18	3	1	3.71	PS					17.33	433.25	
A0905	4.29	50	31	12.55	3.50	9.52	7.50	13.47	23.00	18.37	10.45	2.60	11.50	30.50	45.50	5	28	36	3	1	3.77	PS					4.29	130.85	
A0907	57.33	91	31	12.99	3.50	8.72	6.00	13.34	24.00	6.46	2.16	0.59	2.50	30.00	36.00	2	31	11	3	1	4.43	PS					57.33	1,719.90	
A0909	5.10	91	62**	6.14	2.00	9.92	7.50	7.40	13.00	31.70	21.38	9.96	30.50	20.50	53.00	7	14	64	3	1	3.06	PS					0.00	0.00	
A0912	56.97	59	26	11.06	3.00	7.44	6.00	13.17	19.00	19.92	3.38	3.10	6.50	25.00	34.50	1	39	24	3	1	3.98	PS					56.97	1,424.25	
A0918	21.63	0	62**	10.40	3.00	1.81	1.50	7.13	14.00	44.10	29.43	17.65	47.00	15.50	65.50	7	18	84	3	1	2.46	NH					0.00	0.00	
A0920	6.58	5	21PU	21.32	4.50	4.64	3.00	1.20	2.00	10.97	10.58	9.83	22.50	5.00	32.00	2	36	78	3	1	2.56	NH					0.00	0.00	
A0921	1.69	54	31	16.90	5.00	17.29	12.50	9.31	13.00	5.15	0.00	0.95	1.50	25.50	32.00	2	45	3	3	1	3.97	PS					0.00	0.00	
A1003	29.95	69	10	12.51	4.00	9.37	7.50	9.40	15.00	31.23	11.50	4.01	13.50	22.50	40.00	7	26	45	0	0	3.30	PS					29.95	673.88	
A1008	20.82	50	25	37.66	10.00	28.28	19.50	13.38	21.00	14.39	5.34	1.85	7.50	40.50	58.00	1	32	15	0	0	4.18	PS					20.82	843.21	
pp184*	5.45	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH					5.45	0.00	
pp185*	3.21	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH					3.21	0.00	
pp187*	2.52	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH					2.52	0.00	
238.73																								0.00	0.00	0.00	0.00	203.73	5,374.77

REMOVALS						
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Potentially Suitable Acreage Removed	Future Potential Acreage Removed
A0904	2009	65078	Construction Buffer for Anti-Armor Tracking and Live Fire Complex			17.09
A1003	2009	65078	Construction Buffer for Anti-Armor Tracking and Live Fire Complex			0.02
TOTAL REMOVALS				0.00	0.00	17.11

POST-PROJECT		
	2009	
Suitable Habitat	0.00	BA 0.00
Potentially Suitable Habitat	0.00	0.00
Future Potential Habitat	186.62	4,947.07
TOTAL	186.62	4,947.07

Key:	Type Burn:	Suitability
BA = basal area	0=no data available	C= currently suitable
dbh = diameter at breast height	1=non-growing season	PS= potentially suitable
hwd = hardwood	2=growing season	NH= non-habitat
hgc = herbaceous ground cover		
Hardwood Midstory:	Forest Type:	
1 = low, sparse	10 = Yellow Pine-Upland Hardwood	
2 = low, moderate	21P = Longleaf Pine Plantation	
3 = low, dense	21PU = Longleaf Pine Plantation Underplanted	
4 = medium, sparse	25 = Mixed Pine	
5 = tall, sparse	26 = Mixed Pine-Longleaf	
6 = medium, moderate	31 = Loblolly Pine	
7 = tall, moderate	62** = Sweetgum-Water Oak-Willow Oak (Managed for Hardwoods)	
8 = medium, dense		
9 = tall, dense		
* Note: No pine data was taken for pine plantation stands less than 30 years old.		
Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.		

Appendix Table H-19. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A09-05, Alternatives A and B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																											
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems >14" dbh	Hwd BA >10" dbh	Pine BA >10" dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A0811	40.06	80	26	28.66	9.00	21.05	14.00	16.29	27.00	0.00	0.97	0.57	1.50	41.00	51.50	1	37	4	3	1	1	40.06	1,642.46				
A0901	41.35	95	26	30.96	7.00	2.91	2.00	12.26	23.50	2.55	0.64	1.63	3.00	25.50	35.50	6	36	13	3	1	0					41.35	1,054.43
A0902	27.47	53	31	36.77	9.50	25.21	19.00	12.56	16.50	0.00	1.16	0.00	1.00	35.50	46.00	2	33	3	3	1	1	27.47	975.19				
A0905	10.01	50	31	12.55	3.50	9.52	7.50	13.47	23.00	18.37	10.45	2.60	11.50	30.50	45.50	5	28	36	3	1	0			10.01	305.31		
A0906	20.96	87	31	6.51	2.11	11.64	8.42	12.49	21.58	19.66	19.41	4.54	20.00	30.00	52.11	1	29	50	3	1	1	20.96	628.80				
A0911	3.34	92	31	13.28	2.50	3.39	3.00	15.95	27.00	4.96	3.01	1.99	5.50	30.00	38.00	6	33	21	3	1	0			3.34	100.20		
pp681*	2.13	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					2.13	0.00
Q0110	4.16	48	13	115.02	26.67	19.71	13.33	6.55	8.33	15.82	10.34	0.00	6.67	21.67	55.00	1	24	28	3	1	0					4.16	90.15
Q0114	20.63	58	31	26.88	8.00	31.74	23.50	12.83	17.50	6.98	0.59	0.00	0.50	41.00	49.50	2	30	1	3	1	1	20.63	845.83				
Q0116	0.10	48	31	15.53	6.25	43.00	31.25	21.43	31.25	7.05	1.34	0.00	1.25	62.50	70.00	2	21	2	3	1	1	0.10	6.25				
Q0119	2.48	58	13	0.00	0.00	14.25	10.00	11.40	15.00	10.60	21.83	3.45	20.00	25.00	45.00	8	50	50	3	1	0					2.48	62.00
Q0120	3.07	55	42**	26.46	8.57	7.99	5.71	9.55	14.29	39.24	23.76	17.88	44.29	20.00	72.86	1	17	70	3	1	0					0.00	0.00
Q0125	2.38	55	10	10.14	4.00	20.44	15.50	15.70	23.00	21.00	5.43	4.48	10.50	38.50	53.00	3	20	22	3	1	1	2.38	91.63				
178.14																						111.60	4,190.16	13.35	405.51	50.12	1,206.58

REMOVALS									
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A0902	2009	69358	Range Access Road - Good Hope MTA	2.69	95.50				
A0906	2009	69358	Range Access Road - Good Hope MTA	0.07	2.10				
A0911	2009	69358	Range Access Road - Good Hope MTA			0.15	4.50		
Q0114	2009	69358	Range Access Road - Good Hope MTA	0.72	29.52				
Q0119	2009	69358	Range Access Road - Good Hope MTA					0.20	5.00
Q0125	2009	69358	Range Access Road - Good Hope MTA	0.35	13.48				
TOTAL REMOVALS				3.83	140.60	0.15	4.50	0.20	5.00

POST-PROJECT			2009
Suitable Habitat	Acres	BA	
Suitable Habitat	107.77	4,049.56	
Potentially Suitable Habitat	13.20	401.01	
Future Potential Habitat	49.92	1,201.58	
TOTAL	170.89	5,652.15	

Key:		
BA= basal area	Type Burn:	Stand Score
dbh= diameter at breast height	0= no data available	0=Unsuitable
hwd= hardwood	1= non-growing season	1=Suitable

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
0= no data available
1= non-growing season
2= growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
13 = Loblolly Pine-Hardwood
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
42** = Upland Hardwood - Yellow Pine (not managed)

* Note: No pine data was taken for pine plantation stands less than 30 years old.

Appendix Table H-20. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A09-05, Alternatives A and B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																												
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems >14" dbh	Hwd BA >10" dbh	Pine BA >10" dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A0811	40.06	80	26	28.66	9.00	21.05	14.00	16.29	27.00	0.00	0.97	0.57	1.50	41.00	51.50	1	37	4	3	1	4.57	PS					40.06	1,642.46
A0901	41.35	95	26	30.96	7.00	2.91	2.00	12.26	23.50	2.55	0.64	1.63	3.00	25.50	35.50	6	36	13	3	1	3.97	PS					41.35	1,054.43
A0902	27.47	53	31	36.77	9.50	25.21	19.00	12.56	16.50	0.00	1.16	0.00	1.00	35.50	46.00	2	33	3	3	1	4.08	PS					27.47	975.19
A0905	10.01	50	31	12.55	3.50	9.52	7.50	13.47	23.00	18.37	10.45	2.60	11.50	30.50	45.50	5	28	36	3	1	3.77	PS					10.01	305.31
A0906	20.96	87	31	6.51	2.11	11.64	8.42	12.49	21.58	19.66	19.41	4.54	20.00	30.00	52.11	1	29	50	3	1	3.99	PS					20.96	628.80
A0911	3.34	92	31	13.28	2.50	3.39	3.00	15.95	27.00	4.96	3.01	1.99	5.50	30.00	38.00	6	33	21	3	1	4.14	PS					3.34	100.20
pp681*	2.13	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH					2.13	0.00
Q0110	4.16	48	13	115.02	26.67	19.71	13.33	6.55	8.33	15.82	10.34	0.00	6.67	21.67	55.00	1	24	28	3	1	2.75	NH					4.16	90.15
Q0114	20.63	58	31	26.88	8.00	31.74	23.50	12.83	17.50	6.98	0.59	0.00	0.50	41.00	49.50	2	30	1	3	1	4.14	PS					20.63	845.83
Q0116	0.10	48	31	15.53	6.25	43.00	31.25	21.43	31.25	7.05	1.34	0.00	1.25	62.50	70.00	2	21	2	3	1	4.37	PS					0.10	6.25
Q0119	2.48	58	13	0.00	0.00	14.25	10.00	11.40	15.00	10.60	21.83	3.45	20.00	25.00	45.00	8	50	50	3	1	3.52	PS					2.48	62.00
Q0120	3.07	55	42**	26.46	8.57	7.99	5.71	9.55	14.29	39.24	23.76	17.88	44.29	20.00	72.86	1	17	70	3	1	3.34	PS					0.00	0.00
Q0125	2.38	55	10	10.14	4.00	20.44	15.50	15.70	23.00	21.00	5.43	4.48	10.50	38.50	53.00	3	20	22	3	1	4.08	PS					2.38	91.63
178.14																							0.00	0.00	0.00	0.00	175.07	5,802.25

REMOVALS															
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed						
A0902	2009	69358	Range Access Road - Good Hope MTA					2.69	95.50						
A0906	2009	69358	Range Access Road - Good Hope MTA					0.07	2.10						
A0911	2009	69358	Range Access Road - Good Hope MTA					0.15	4.50						
Q0114	2009	69358	Range Access Road - Good Hope MTA					0.72	29.52						
Q0119	2009	69358	Range Access Road - Good Hope MTA					0.20	5.00						
Q0125	2009	69358	Range Access Road - Good Hope MTA					0.35	13.48						
TOTAL REMOVALS				0.00	0.00	0.00	0.00	4.18	150.10						

POST-PROJECT			2009
	Acres	BA	
Suitable Habitat	0.00	0.00	
Potentially Suitable Habitat	0.00	0.00	
Future Potential Habitat	170.89	5,652.15	
TOTAL	170.89	5,652.15	

Key:		
BA= basal area	Type Burn:	Suitability
dbh= diameter at breast height	0= no data available	CS= currently suitable
hwd= hardwood	1= non-growing season	PS= potentially suitable
hgc= herbaceous ground cover	2= growing season	NH= non-habitat
Hardwood Midstory:	Forest Type:	
1 = low, sparse	10 = Yellow Pine-Upland Hardwood	
2 = low, moderate	13 = Loblolly Pine-Hardwood	
3 = low, dense	21P = Longleaf Pine Plantation	
4 = medium, sparse	26 = Mixed Pine-Longleaf	
5 = tall, sparse	31 = Loblolly Pine	
6 = medium, moderate	42** = Upland Hardwood - Yellow Pine (not managed)	
7 = tall, moderate		
8 = medium, dense		
9 = tall, dense		
* Note: No pine data was taken for pine plantation stands less than 30 years old.		

Appendix Table H-21. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A14-03R Alternative B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine Stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems >14" dbh	Hwd BA >10" dbh	Pine BA >10" dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A1406	15.25	82	21	77.17	19.50	19.21	14.00	9.33	14.00	13.38	0.00	0.49	1.00	28.00	48.50	1	28	2	3	2	0					15.25	427.00
A1407	15.55	81	21	27.73	7.00	17.92	14.00	17.00	22.50	5.52	1.63	0.50	1.50	36.50	45.00	1	39	6	3	2	1	15.55	567.58				
A1409	16.36	24	31P	6.23	3.00	44.57	32.00	9.65	12.00	0.00	0.00	0.00	0.00	44.00	47.00	1	15	0	3	2	0				16.36	719.84	
A1410	2.88	39	25	129.64	32.22	35.80	24.44	7.14	8.89	0.00	0.00	0.00	0.00	33.33	65.56	1	38	0	3	2	0			2.88	95.99		
A1716	47.17	88	21	32.86	10.50	30.08	22.00	21.29	30.00	1.59	2.25	0.75	2.50	52.00	65.00	2	30	6	3	2	1	47.17	2,452.84				
A1724	1.84	45	26	63.91	17.50	27.77	20.00	11.96	16.50	21.89	7.46	1.41	8.50	36.50	62.50	2	40	18	3	2	1	1.84	67.16				
Molnar15	0.05	0	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0					0.00	0.00
Molnar16	0.08	37	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0					0.00	0.00
Molnar5	22.06	12	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0					0.00	0.00
Molnar5	2.71	12	U	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0					0.00	0.00
pp11*	0.13	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
pp850*	0.74	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
pp851*	1.07	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
Z0103	0.73	65	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0					0.00	0.00
Z0102	5.80	65	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0					0.00	0.00
Z0101	0.93	65	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0					0.00	0.00
133.35																						64.56	3,087.58	2.88	95.99	31.61	1,146.84

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A1716	2010	n/a	Construction Buffer for Multi-purpose Machine Gun Ranges (MPMG1 & MPMG2)	36.50	1,898.00				
A1724	2010	n/a	Construction Buffer for Multi-purpose Machine Gun Ranges (MPMG1 & MPMG2)	1.70	62.05				
TOTAL REMOVALS				38.20	1,960.05	0.00	0.00	0.00	0.00

POST-PROJECT

	2010
Suitable Habitat	26.36
Potentially Suitable Habitat	2.88
Future Potential Habitat	31.61
TOTAL	60.85

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
0= no data available
1= non-growing season
2= growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
25 = Mixed Pine
26 = Mixed Pine-Longleaf
31P = Loblolly Pine Plantation
U = Underplanted
ND = No data provided

* Note: No pine data was taken for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Appendix Table H-22. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A14-03R Alternative B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																												
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems >14" dbh	Hwd BA >10" dbh	Pine BA >10" dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A1406	15.25	82	21	77.17	19.50	19.21	14.00	9.33	14.00	13.38	0.00	0.49	1.00	28.00	48.50	1	28	2	3	2	4.01	PS					15.25	427.00
A1407	15.55	81	21	27.73	7.00	17.92	14.00	17.00	22.50	5.52	1.63	0.50	1.50	36.50	45.00	1	39	6	3	2	4.67	PS					15.55	567.58
A1409	16.36	24	31P	6.23	3.00	44.57	32.00	9.65	12.00	0.00	0.00	0.00	0.00	44.00	47.00	1	15	0	3	2	3.56	NH					16.36	719.84
A1410	2.88	39	25	129.64	32.22	35.80	24.44	7.14	8.89	0.00	0.00	0.00	0.00	33.33	65.56	1	38	0	3	2	3.41	PS					2.88	95.99
A1716	47.17	88	21	32.86	10.50	30.08	22.00	21.29	30.00	1.59	2.25	0.75	2.50	52.00	65.00	2	30	6	3	2	4.75	PS			47.17	2,452.84		
A1724	1.84	45	26	63.91	17.50	27.77	20.00	11.96	16.50	21.89	7.46	1.41	8.50	36.50	62.50	2	40	18	3	2	3.90	PS					1.84	67.16
Molnar15	0.05	0	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	2.06	NH					0.00	0.00
Molnar16	0.08	37	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	2.20	PS					0.00	0.00
Molnar5	22.06	12	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	2.06	NH					0.00	0.00
Molnar5	2.71	12	U	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	2.06	NH					0.00	0.00
pp11*	0.13	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	PS					0.00	0.00
pp650*	0.74	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	PS					0.00	0.00
pp651*	1.07	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	PS					0.00	0.00
Z0103	0.73	65	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	2.62	NH					0.00	0.00
Z0102	5.80	65	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	2.62	NH					0.00	0.00
Z0101	0.93	65	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	2.62	NH					0.00	0.00
																							0.00	0.00	47.17	2,452.84	51.88	1,877.57

REMOVALS							Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
Stand	Fiscal Year	Project Number	Project Name									
A1716	2010	n/a	Construction Buffer for Multi-purpose Machine Gun Ranges (MPMG1 & MPMG2)						36.50	1,898.00		
A1724	2010	n/a	Construction Buffer for Multi-purpose Machine Gun Ranges (MPMG1 & MPMG2)								1.70	62.05
TOTAL REMOVALS							0.00	0.00	36.50	1,898.00	1.70	62.05

POST-PROJECT			2010	
Suitable Habitat	Acres	BA	0.00	0.00
Potentially Suitable Habitat	10.67	554.84		
Future Potential Habitat	50.18	1,815.52		
TOTAL	60.85	2,370.36		

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
0= no data available
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
25 = Mixed Pine
26 = Mixed Pine-Longleaf
31P = Loblolly Pine Plantation
U = Underplanted
ND = No data provided

* Note: No pine data was taken for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Appendix Table H-23. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A17-01 Alternative A** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																											
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems >14" dbh	Hwd BA >10" dbh	Pine BA >10" dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A1705	43.29	76	21	38.03	10.00	22.22	16.50	21.89	32.50	4.06	4.24	0.95	5.50	49.00	64.50	2	29	11	3	2	1	43.29	2,121.21				
A1706	20.48	42	31	68.89	19.50	31.04	21.50	11.87	17.00	9.25	4.51	1.93	6.00	38.50	64.00	5	29	13	3	2	0			20.48	788.48		
A1707	7.21	42	31	94.25	25.79	63.39	44.21	15.10	20.53	26.90	6.17	1.72	7.89	64.74	98.42	1	19	9	3	2	0			7.21	466.78		
A1709	1.57	42	31	82.75	24.00	38.10	26.50	18.23	26.50	5.35	9.22	2.98	11.50	53.00	88.50	2	31	18	3	2	0			1.57	83.21		
A1714	14.64	92	21	52.71	15.50	28.01	20.50	32.31	45.50	12.62	1.99	2.49	5.00	66.00	86.50	1	16	7	3	2	1	14.64	966.24				
A1716	28.03	88	21	32.86	10.50	30.08	22.00	21.29	30.00	1.59	2.25	0.75	2.50	52.00	65.00	2	30	6	3	2	1	28.03	1,457.56				
A1717	2.75	77	10	97.34	28.89	59.53	41.11	17.28	21.11	19.22	0.00	1.89	4.44	62.22	95.56	1	33	2	3	2	0			2.75	171.11		
	117.97																					85.96	4,545.01	32.01	1,509.58	0.00	0.00

REMOVALS									
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A1705	2011	65070	Multi-purpose Machine Gun Range (MPMG2)	0.79	38.71				
A1705	2011	65070	Construction Limits for Multi-purpose Machine Gun Range (MPMG2)	42.50	2,082.50				
A1706	2011	65070	Construction Limits for Multi-purpose Machine Gun Range (MPMG2)			12.04	463.54		
A1714	2011	65070	Multi-purpose Machine Gun Range (MPMG2)	2.45	161.70				
A1714	2011	65070	Construction Limits for Multi-purpose Machine Gun Range (MPMG2)	12.19	804.54				
A1716	2011	65070	Construction Limits for Multi-purpose Machine Gun Range (MPMG2)	27.24	1,416.48				
			2010 SUB-TOTAL	85.17	4,503.93	12.04	463.54	0.00	0.00

POST-PROJECT	2011
	Acres
	BA
	Suitable Habitat
	Potentially Suitable Habitat
	Future Potential Habitat
	TOTAL
	0.79
	41.08
	1,046.04
0.00	
0.00	
1,087.12	

Key:		
BA= basal area	Type Burn:	Stand Score
dbh= diameter at breast height	0= no data available	0=Unsuitable
hwd= hardwood	1= non-growing season	1=Suitable
hgc= herbaceous ground cover	2= growing season	
Hardwood Midstory:	Forest Type:	
1 = low, sparse	10 = Yellow Pine - Upland Hardwood	
2 = low, moderate	21 = Longleaf Pine	
3 = low, dense	31 = Loblolly Pine	
4 = medium, sparse		
5 = tall, sparse		
6 = medium, moderate		
7 = tall, moderate		
8 = medium, dense		
9 = tall, dense		

Appendix Table H-24. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A17-01 Alternative A** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																												
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems >14" dbh	Hwd BA > 10" dbh	Pine BA > 10" dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A1705	43.29	76	21	38.03	10.00	22.22	16.50	21.89	32.50	4.06	4.24	0.95	5.50	49.00	64.50	2	29	11	3	2	4.67	PS			43.29	2,121.21		
A1706	20.48	42	31	68.89	19.50	31.04	21.50	11.87	17.00	9.25	4.51	1.93	6.00	38.50	64.00	5	29	13	3	2	3.63	PS					20.48	788.48
A1707	7.21	42	31	94.25	25.79	63.39	44.21	15.10	20.53	26.90	6.17	1.72	7.89	64.74	98.42	1	19	9	3	2	4.10	PS					7.21	466.78
A1709	1.57	42	31	82.75	24.00	38.10	26.50	18.23	26.50	5.35	9.22	2.98	11.50	53.00	88.50	2	31	18	3	2	4.37	PS					1.57	83.21
A1714	14.64	92	21	52.71	15.50	28.01	20.50	32.31	45.50	12.62	1.99	2.49	5.00	66.00	86.50	1	16	7	3	2	4.62	PS			14.64	966.24		
A1716	28.03	88	21	32.86	10.50	30.08	22.00	21.29	30.00	1.59	2.25	0.75	2.50	52.00	65.00	2	30	6	3	2	4.75	PS			28.03	1,457.56		
A1717	2.75	77	10	97.34	28.89	59.53	41.11	17.28	21.11	19.22	0.00	1.89	4.44	62.22	95.56	1	33	2	3	2	4.58	PS					2.75	171.11
117.97																							0.00	0.00	85.96	4,545.01	32.01	1,509.58

REMOVALS									
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A1705	2011	65070	Multi-purpose Machine Gun Range (MPMG2)			0.79	38.71		
A1705	2011	65070	Construction Limits for Multi-purpose Machine Gun Range (MPMG2)			42.50	2,082.50		
A1706	2011	65070	Construction Limits for Multi-purpose Machine Gun Range (MPMG2)					12.04	463.54
A1714	2011	65070	Multi-purpose Machine Gun Range (MPMG2)			2.45	161.70		
A1714	2011	65070	Construction Limits for Multi-purpose Machine Gun Range (MPMG2)			12.19	804.54		
A1716	2011	65070	Construction Limits for Multi-purpose Machine Gun Range (MPMG2)			27.24	1,416.48		
2010 SUB-TOTAL				0.00	0.00	85.17	4,503.93	12.04	463.54

POST-PROJECT			2011
	Acres	BA	
Suitable Habitat	0.00	0.00	
Potentially Suitable Habitat	0.79	41.08	
Future Potential Habitat	19.97	1,046.04	
TOTAL	20.76	1,087.12	

Key:		
BA= basal area	Type Burn:	Suitability
dbh= diameter at breast height	0= no data available	CS= currently suitable
hwd= hardwood	1= non-growing season	PS= potentially suitable
hgc= herbaceous ground cover	2= growing season	NH= non-habitat
Hardwood Midstory:		
1 = low, sparse	Forest Type:	
2 = low, moderate	10 = Yellow Pine - Upland Hardwood	
3 = low, dense	21 = Longleaf Pine	
4 = medium, sparse	31 = Loblolly Pine	
5 = tall, sparse		
6 = medium, moderate		
7 = tall, moderate		
8 = medium, dense		
9 = tall, dense		

Appendix Table H-25. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A17-01 Alternative B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																											
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine Stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems >14" dbh	Hwd BA >10" dbh	Pine BA >10" dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A1705	43.29	76	21	38.03	10.00	22.22	16.50	21.89	32.50	4.06	4.24	0.95	5.50	49.00	64.50	2	29	11	3	2	1	43.29	2,121.21				
A1706	20.48	42	31	68.89	19.50	31.04	21.50	11.87	17.00	9.25	4.51	1.93	6.00	38.50	64.00	5	29	13	3	2	0			20.48	788.48		
A1707	7.21	42	31	94.25	25.79	63.39	44.21	15.10	20.53	26.90	6.17	1.72	7.89	64.74	98.42	1	19	9	3	2	0			7.21	466.78		
A1709	1.57	42	31	82.75	24.00	38.10	26.50	18.23	26.50	5.35	9.22	2.98	11.50	53.00	88.50	2	31	18	3	2	0			1.57	83.21		
A1714	14.64	92	21	52.71	15.50	28.01	20.50	32.31	45.50	12.62	1.99	2.49	5.00	66.00	86.50	1	16	7	3	2	1	14.64	966.24				
A1716	28.03	88	21	32.86	10.50	30.08	22.00	21.29	30.00	1.59	2.25	0.75	2.50	52.00	65.00	2	30	6	3	2	1	28.03	1,457.56				
A1717	2.75	77	10	97.34	28.89	59.53	41.11	17.28	21.11	19.22	0.00	1.89	4.44	62.22	95.56	1	33	2	3	2	0			2.75	171.11	0.00	0.00
117.97																						85.96	4,545.01	32.01	1,509.58		

REMOVALS									
Stand	Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A1705	2010	68733	Multi-purpose Machine Gun Range (MPMG1)	6.65	325.85				
A1705	2010	n/a	Construction Limits for Multi-purpose Machine Gun Range Complex	35.85	1,756.65				
A1706	2010	68733	Multi-purpose Machine Gun Range (MPMG1)			12.50	481.25		
A1706	2010	n/a	Construction Limits for Multi-purpose Machine Gun Range Complex			7.98	307.23		
A1707	2010	68733	Multi-purpose Machine Gun Range (MPMG1)			4.71	304.93		
A1707	2010	n/a	Construction Limits for Multi-purpose Machine Gun Range Complex			2.50	161.85		
A1709	2010	68733	Multi-purpose Machine Gun Range (MPMG1)			1.57	83.21		
A1714	2010	n/a	Construction Limits for Multi-purpose Machine Gun Range Complex	11.89	784.74				
A1716	2010	68733	Multi-purpose Machine Gun Range (MPMG1)	24.33	1,265.16				
A1716	2010	n/a	Construction Limits for Multi-purpose Machine Gun Range Complex	3.70	192.40				
A1717	2010	68733	Multi-purpose Machine Gun Range (MPMG1)			2.75	171.11		
2010 SUB-TOTAL				82.42	4,324.80	32.01	1,509.58	0.00	0.00
A1705	2011	65070	Multi-purpose Machine Gun Range (MPMG2)	0.79	38.71				
A1714	2011	65070	Multi-purpose Machine Gun Range (MPMG2)	2.75	181.50				
2011 SUB-TOTAL				3.54	220.21	0.00	0.00	0.00	0.00
TOTAL REMOVALS				85.96	4,545.01	32.01	1,509.58	0.00	0.00

POST-PROJECT			
	2010	2011	
Suitable Habitat	Acres 3.54 BA 220.21	Acres 0.00 BA 0.00	
Potentially Suitable Habitat	0.00 0.00	0.00 0.00	
Future Potential Habitat	0.00 0.00	0.00 0.00	
TOTAL	3.54 220.21	0.00 0.00	

Key:		
BA= basal area	Type Burn:	Stand Score
dbh= diameter at breast height	0= no data available	0=Unsuitable
hwd= hardwood	1= non-growing season	1=Suitable
hgc= herbaceous ground cover	2= growing season	
Hardwood Midstory:	Forest Type:	
1= low, sparse	10 = Yellow Pine - Upland Hardwood	
2= low, moderate	21 = Longleaf Pine	
3= low, dense	31 = Loblolly Pine	
4= medium, sparse		
5= tall, sparse		
6= medium, moderate		
7= tall, moderate		
8= medium, dense		
9= tall, dense		

Appendix Table H-26. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A17-01 Alternative B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																													
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine Stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems >14" dbh	Hwd BA >10" dbh	Pine BA >10" dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA	
A1705	43.29	76	21	38.03	10.00	22.22	16.50	21.89	32.50	4.06	4.24	0.95	5.50	49.00	64.50	2	29	11	3	2	4.67	PS			43.29	2,121.21			
A1706	20.48	42	31	68.89	19.50	31.04	21.50	11.87	17.00	9.25	4.51	1.93	6.00	38.50	64.00	5	29	13	3	2	3.63	PS					20.48	788.48	
A1707	7.21	42	31	94.25	25.79	63.39	44.21	15.10	20.53	26.90	6.17	1.72	7.89	64.74	98.42	1	19	9	3	2	4.10	PS					7.21	466.78	
A1709	1.57	42	31	82.75	24.00	38.10	26.50	18.23	26.50	5.35	9.22	2.98	11.50	53.00	88.50	2	31	18	3	2	4.37	PS					1.57	83.21	
A1714	14.64	92	21	52.71	15.50	28.01	20.50	32.31	45.50	12.62	1.99	2.49	5.00	66.00	86.50	1	16	7	3	2	4.62	PS			14.64	966.24			
A1716	28.03	88	21	32.86	10.50	30.08	22.00	21.29	30.00	1.59	2.25	0.75	2.50	52.00	65.00	2	30	6	3	2	4.75	PS			28.03	1,457.56			
A1717	2.75	77	10	97.34	28.89	59.53	41.11	17.28	21.11	19.22	0.00	1.89	4.44	62.22	95.56	1	33	2	3	2	4.58	PS					2.75	171.11	
117.97																						0.00	0.00	85.96	4,545.01	32.01	1,509.58		
REMOVALS																													
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage		Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA																				
				Removed	Suitable BA Removed	Removed	Removed	Acreage Removed	BA Removed																				
A1705	2010	68733	Multi-purpose Machine Gun Range (MPMG1)			6.65	325.85																						
A1705	2010	n/a	Construction Limits for Multi-purpose Machine Gun Range Complex			35.85	1,756.65																						
A1706	2010	68733	Multi-purpose Machine Gun Range (MPMG1)																										
A1706	2010	n/a	Construction Limits for Multi-purpose Machine Gun Range Complex					12.50	481.25																				
A1707	2010	68733	Multi-purpose Machine Gun Range (MPMG1)					7.98	307.23																				
A1707	2010	n/a	Construction Limits for Multi-purpose Machine Gun Range Complex					4.71	304.93																				
A1709	2010	68733	Multi-purpose Machine Gun Range (MPMG1)					2.50	161.85																				
A1709	2010	n/a	Construction Limits for Multi-purpose Machine Gun Range Complex					1.57	83.21																				
A1714	2010	68733	Multi-purpose Machine Gun Range (MPMG1)			11.89	784.74																						
A1716	2010	68733	Multi-purpose Machine Gun Range (MPMG1)			24.33	1,265.16																						
A1716	2010	n/a	Construction Limits for Multi-purpose Machine Gun Range Complex			3.70	192.40																						
A1717	2010	68733	Multi-purpose Machine Gun Range (MPMG1)					2.75	171.11																				
2010 SUB-TOTAL				0.00	0.00	82.42	4,324.80	32.01	1,509.58																				
A1705	2011	65070	Multi-purpose Machine Gun Range (MPMG2)			0.79	38.71																						
A1714	2011	65070	Multi-purpose Machine Gun Range (MPMG2)			2.75	181.50																						
2011 SUB-TOTAL				0.00	0.00	3.54	220.21	0.00	0.00																				
TOTAL REMOVALS				0.00	0.00	85.96	4,545.01	32.01	1,509.58																				
POST-PROJECT																													
				2010		2011																							
				Acres	BA	Acres	BA																						
Suitable Habitat				0.00	0.00	0.00	0.00																						
Potentially Suitable Habitat				3.54	220.21	0.00	0.00																						
Future Potential Habitat				0.00	0.00	0.00	0.00																						
TOTAL				3.54	220.21	0.00	0.00																						
Key: BA= basal area dbh= diameter at breast height hwd= hardwood hgc= herbaceous ground cover Hardwood Midstory: 1 = low, sparse 2 = low, moderate 3 = low, dense 4 = medium, sparse 5 = tall, sparse 6 = medium, moderate 7 = tall, moderate 8 = medium, dense 9 = tall, dense Type Burn: 0= no data available 1= non-growing season 2= growing season Forest Type: 10 = Yellow Pine - Upland Hardwood 21 = Longleaf Pine 31 = Loblolly Pine Suitability CS= currently suitable PS= potentially suitable NH= non-habitat																													

Appendix Table H-27. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning C **A17-02, Alternatives A and B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																											
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems. >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10"	Hwd Stems 10-14"	Hwd Stems >14"	Hwd BA >10" dbh	Pine BA >10" dbh	Total Stand Hwds	Hwd Midstory Height Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A1705	49.42	76	21	38.03	10.00	22.22	16.50	21.89	32.50	4.06	4.24	0.95	5.50	49.00	64.50	2	29	11	3	2	1	49.42	2,421.58				
A1710	36.16	76	31	16.04	5.00	8.44	5.50	0.43	0.50	7.81	8.01	3.91	11.50	6.00	22.50	2	50	57	3	2	0				36.16	216.96	
A1712	1.78	76	21	70.22	14.29	0.00	0.00	0.00	0.00	7.79	2.29	0.00	1.43	0.00	15.71	2	29	100	3	2	0					1.78	0.00
A1713	1.53	75	26	73.92	19.00	8.97	5.50	0.00	0.00	2.82	2.09	0.00	1.50	5.50	26.00	1	35	19	3	2	0				1.53	8.42	
A1714	13.28	92	21	52.71	15.50	28.01	20.50	32.31	45.50	12.62	1.99	2.49	5.00	66.00	86.50	1	16	7	3	2	1	13.28	876.48				
A1821	0.64	109	21	50.03	12.22	20.57	15.56	8.31	10.56	2.27	4.30	1.16	4.44	26.11	42.78	1	16	16	3	2	0					0.64	16.71
A1823	18.61	76	10	50.53	14.50	13.26	9.00	0.89	1.00	18.99	5.76	2.91	9.50	10.00	34.00	1	30	38	3	2	0					18.61	186.10
A2001	10.73	80	25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
A2003	46.64	80	25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
178.79																						62.70	3,298.06	0.00	0.00	58.72	428.19

REMOVALS									
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A1705	2011	65070	Multi-purpose Machine Gun Range (MPMG2)	8.07	395.43				
A1705	2011	65070	Construction Limits for Multi-purpose Machine Gun Range (MPMG2)	37.06	1,815.94				
A1710	2011	65070	Multi-purpose Machine Gun Range (MPMG2)					21.98	131.88
A1710	2011	65070	Construction Limits for Multi-purpose Machine Gun Range (MPMG2)					14.18	85.08
A1712	2011	65070	Construction Limits for Multi-purpose Machine Gun Range (MPMG2)					1.78	0.00
A1713	2011	65070	Multi-purpose Machine Gun Range (MPMG2)					1.53	8.42
A1714	2011	65070	Multi-purpose Machine Gun Range (MPMG2)	13.28	876.48				
A1821	2011	65070	Construction Limits for Multi-purpose Machine Gun Range (MPMG2)					0.64	16.71
A1823	2011	65070	Construction Limits for Multi-purpose Machine Gun Range (MPMG2)					16.56	165.60
2011 SUB-TOTAL				58.41	3,087.85	0.00	0.00	56.67	407.69
A1705	2012	65070	Beaten Area for Multi-purpose Machine Gun Range (MPMG2)	2.03	99.47			0.00	0.00
2012 SUB-TOTAL				2.03	99.47	0.00	0.00	0.00	0.00
				60.44	3,187.32	0.00	0.00	56.67	407.69

POST-PROJECT				
	2011		2012	
Suitable Habitat	4.29	210.21	2.26	110.74
Potentially Suitable Habitat	0.00	0.00	0.00	0.00
Future Potential Habitat	2.05	20.50	2.05	20.50
TOTAL	6.34	230.71	4.31	131.24

BA= basal area	Type Burn:	Stand Score
dbh= diameter at breast height	0= no data available	0=Unsuitable
hwd= hardwood	1= non-growing season	1=Suitable
hgc= herbaceous ground cover	2= growing season	
Hardwood Midstory:	Forest Type:	
1 = low, sparse	10 = Yellow Pine - Upland Hardwood	
2 = low, moderate	21 = Longleaf Pine	
3 = low, dense	25 = Mixed Pine	
4 = medium, sparse	26 = Mixed Pine-Longleaf	
5 = tall, sparse	31 = Loblolly Pine	
6 = medium, moderate		
7 = tall, moderate		
8 = medium, dense		
9 = tall, dense		
Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the		

Appendix Table H-28. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A17-02, Alternatives A and B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																														
Stand	Acres	Pine Age	Forest Type	Pine Stems 4'-10" dbh	Pine BA 4'-10" dbh	Pine Stems 10'-14" dbh	Pine BA 10'-14" dbh	Pine Stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4'-10" dbh	Hwd BA 4'-10" dbh	Hwd Stems 10'-14" dbh	Hwd BA 10'-14" dbh	Hwd Stems >14" dbh	Hwd BA >14" dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA	
A1705	49.42	76	21	38.03	10.00	22.22	16.50	21.89	32.50	4.06	4.24	0.95	5.50	49.00	64.50	2	29	11	3	2	4.67	PS			49.42	2,421.58				
A1710	36.16	76	31	16.04	5.00	8.44	5.50	0.43	0.50	7.81	8.01	3.91	11.50	6.00	22.50	2	50	57	3	2	2.82	NH					36.16	216.96		
A1712	1.78	76	21	70.22	14.29	0.00	0.00	0.00	0.00	7.79	2.29	0.00	1.43	0.00	15.71	2	29	100	3	2	2.55	NH					1.78	0.00		
A1713	1.53	75	26	73.92	19.00	8.97	5.50	0.00	0.00	2.82	2.09	0.00	1.50	5.50	26.00	1	35	19	3	2	3.30	PS					1.53	8.42		
A1714	13.28	92	21	52.71	15.50	28.01	20.50	32.31	45.50	12.62	1.99	2.49	5.00	66.00	86.50	1	16	7	3	2	4.62	PS			13.28	876.48				
A1821	0.64	109	21	50.03	12.22	20.57	15.56	8.31	10.56	2.27	4.30	1.16	4.44	26.11	42.78	1	16	16	3	2	3.67	PS					0.64	16.71		
A1823	18.61	76	10	50.53	14.50	13.26	9.00	0.89	1.00	18.99	5.76	2.91	9.50	10.00	34.00	1	30	38	3	2	2.65	NH					18.61	186.10		
A2001	10.73	80	25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	2.47	NH					0.00	0.00		
A2003	46.64	80	25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	2.47	NH					0.00	0.00		
178.79																														

REMOVALS									
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A1705	2011	65070	Multi-purpose Machine Gun Range (MPMG2)			8.07	395.43		
A1705	2011	65070	Construction Limits for Multi-purpose Machine Gun Range (MPMG2)			37.06	1,815.94		
A1710	2011	65070	Multi-purpose Machine Gun Range (MPMG2)					21.98	131.88
A1710	2011	65070	Construction Limits for Multi-purpose Machine Gun Range (MPMG2)					14.18	85.08
A1712	2011	65070	Construction Limits for Multi-purpose Machine Gun Range (MPMG2)					1.78	0.00
A1713	2011	65070	Multi-purpose Machine Gun Range (MPMG2)					1.53	8.42
A1714	2011	65070	Multi-purpose Machine Gun Range (MPMG2)				13.28	876.48	
A1821	2011	65070	Construction Limits for Multi-purpose Machine Gun Range (MPMG2)					0.64	16.71
A1823	2011	65070	Construction Limits for Multi-purpose Machine Gun Range (MPMG2)					16.56	165.60
2011 SUB-TOTAL				0.00	0.00	58.41	3,087.85	56.67	407.69
A1705	2012	65070	Beaten Area for Multi-purpose Machine Gun Range (MPMG2)			2.03	99.47		
2012 SUB-TOTAL				0.00	0.00	2.03	99.47	0.00	0.00
				0.00	0.00	60.44	3,187.32	56.67	407.69

POST-PROJECT				
	2011		2012	
	Acres	BA	Acres	BA
Suitable Habitat	0.00	0.00	0.00	0.00
Potentially Suitable Habitat	4.29	210.21	2.26	110.74
Future Potential Habitat	2.05	20.50	2.05	20.50
TOTAL	6.34	230.71	4.31	131.24

Key:

BA= basal area

dbh= diameter at breast height

hwd= hardwood

hgc= herbaceous ground cover

Type Burn:

0= no data available

1= non-growing season

2= growing season

Suitability

CS= currently suitable

PS= potentially suitable

NH= non-habitat

Hardwood Midstory:

1 = low, sparse

2 = low, moderate

3 = low, dense

Forest Type:

10 = Yellow Pine - Upland Hardwood

21 = Longleaf Pine

25 = Mixed Pine

Appendix Table H-29. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster
A17-03, Alternative A for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																														
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems >14" dbh	Hwd BA >10" dbh	Pine BA >10" dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA			
A1716	53.95	88	21	32.86	10.50	30.08	22.00	21.29	30.00	1.59	2.25	0.75	2.50	52.00	65.00	2	30	6	3	2	1	53.95	2,805.40							
A1719	15.44	88	31	51.22	14.50	42.47	30.50	17.92	26.00	4.54	3.19	1.40	4.50	56.50	75.50	1	33	7	3	2	1	15.44	872.36							
A1725	20.17	41	31	74.55	22.00	49.92	35.50	10.97	14.50	1.24	1.66	2.03	3.50	50.00	75.50	1	30	6	3	2	0			20.17	1,008.50					
A1726	18.71	82	26	51.05	17.00	43.07	31.00	15.77	21.50	3.21	2.15	1.72	4.50	52.50	74.00	1	37	6	3	2	1	18.71	982.28							
108.27																						88.10	4,660.04	20.17	1,008.50	0.00	0.00			

REMOVALS																			
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed										
A1716	2011	65070	Multi-purpose Machine Gun Range (MPMG2)	1.09	56.68														
A1716	2011	65070	Construction Limits for Multi-purpose Machine Gun Range (MPMG2)	52.84	2,747.68														
A1719	2011	65070	Construction Limits for Multi-purpose Machine Gun Range (MPMG2)	1.76	99.44														
A1725	2011	65070	Construction Limits for Multi-purpose Machine Gun Range (MPMG2)			11.98	599.00												
A1726	2011	65070	Construction Limits for Multi-purpose Machine Gun Range (MPMG2)	4.05	212.63														
TOTAL REMOVALS				59.74	3,116.43	11.98	599.00	0.00	0.00										

POST-PROJECT		2011	
	Acres	BA	
Suitable Habitat	28.36	1,543.61	
Potentially Suitable Habitat	8.19	409.50	
Future Potential Habitat	0.00	0.00	
TOTAL	36.55	1,953.11	

Key:		
BA = basal area	Type Burn:	Stand Score
dbh = diameter at breast height	0=no data available	0=Unsuitable
hwd = hardwood	1=non-growing season	1=Suitable
hgc = herbaceous ground cover	2=growing season	
Hardwood Midstory:	Forest Type:	
1 = low, sparse	21 = Longleaf Pine	
2 = low, moderate	26 = Mixed Pine-Longleaf	
3 = low, dense	31 = Loblolly Pine	
4 = medium, sparse		
5 = tall, sparse		
6 = medium, moderate		
7 = tall, moderate		
8 = medium, dense		
9 = tall, dense		

Appendix Table H-30. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster
A17-03, Alternative A for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																												
Stand	Acres	Pine Age	Forest Type	Pine Stems 4- 10" dbh	Pine BA 4- 10" dbh	Pine Stems 10- 14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4- 10" dbh	Hwd Stems 10- 14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10" dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A1716	53.95	88	21	32.86	10.50	30.08	22.00	21.29	30.00	1.59	2.25	0.75	2.50	52.00	65.00	2	30	6	3	2	4.43	PS			53.95	2,805.40		
A1719	15.44	88	31	51.22	14.50	42.47	30.50	17.92	26.00	4.54	3.19	1.40	4.50	56.50	75.50	1	33	7	3	2	3.90	PS					15.44	872.36
A1725	20.17	41	31	74.55	22.00	49.92	35.50	10.97	14.50	1.24	1.66	2.03	3.50	50.00	75.50	1	30	6	3	2	3.52	PS					20.17	1,008.50
A1726	18.71	82	26	51.05	17.00	43.07	31.00	15.77	21.50	3.21	2.15	1.72	4.50	52.50	74.00	1	37	6	3	2	4.33	PS					18.71	982.28
108.27																							0.00	0.00	53.95	2,805.40	54.32	2,863.28

REMOVALS								Suitable Acreage	Potentially Suitable	Potentially Suitable BA	Future Potential	Future Potential BA
Stand	Fiscal Year	Project Number	Project Name	Removed	Suitable BA Removed	Acreage Removed	Removed	Removed	Removed	Removed	Removed	Removed
A1716	2011	65070	Multi-purpose Machine Gun Range (MPMG2)			1.09	56.68					
A1716	2011	65070	Construction Limits for Multi-purpose Machine Gun Range (MPMG2)			52.84	2,747.68					
A1719	2011	65070	Construction Limits for Multi-purpose Machine Gun Range (MPMG2)							1.76	99.44	
A1725	2011	65070	Construction Limits for Multi-purpose Machine Gun Range (MPMG2)							11.98	599.00	
A1726	2011	65070	Construction Limits for Multi-purpose Machine Gun Range (MPMG2)							4.05	212.63	
			TOTAL REMOVALS	0.00	0.00	53.93	2,804.36	17.79	911.07			

POST-PROJECT			2011	
	Acres	BA		
Suitable Habitat	0.00	0.00		
Potentially Suitable Habitat	0.02	1.04		
Future Potential Habitat	36.53	1,952.07		
TOTAL	36.55	1,953.11		

Key:		
BA= basal area	Type Burn:	Suitability
dbh= diameter at breast height	0=no data available	CS= currently suitable
hwd= hardwood	1=non-growing season	PS= potentially suitable
hgc= herbaceous ground cover	2=growing season	NH= non-habitat
Hardwood Midstory:	Forest Type:	
1 = low, sparse	21 = Longleaf Pine	
2 = low, moderate	26 = Mixed Pine-Longleaf	
3 = low, dense	31 = Loblolly Pine	
4 = medium, sparse		
5 = tall, sparse		
6 = medium, moderate		
7 = tall, moderate		
8 = medium, dense		
9 = tall, dense		

Appendix Table H-31. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster
A17-03, Alternative B for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																											
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems >14" dbh	Hwd BA >10" dbh	Pine BA >10" dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A1716	53.95	88	21	32.86	10.50	30.08	22.00	21.29	30.00	1.59	2.25	0.75	2.50	52.00	65.00	2	30	6	3	2	1	53.95	2,805.40				
A1719	15.44	88	31	51.22	14.50	42.47	30.50	17.92	26.00	4.54	3.19	1.40	4.50	56.50	75.50	1	33	7	3	2	1	15.44	872.36				
A1725	20.17	41	31	74.55	22.00	49.92	35.50	10.97	14.50	1.24	1.66	2.03	3.50	50.00	75.50	1	30	6	3	2	0			20.17	1,008.50		
A1726	18.71	82	26	51.05	17.00	43.07	31.00	15.77	21.50	3.21	2.15	1.72	4.50	52.50	74.00	1	37	6	3	2	1	18.71	982.28				
108.27																						88.10	4,660.04	20.17	1,008.50	0.00	0.00

REMOVALS										
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed	
A1716	2010	68733	Multi-purpose Machine Gun Range (MPMG1)	44.76	2,327.52					
A1716	2010	n/a	Construction Limits for Multi-purpose Machine Gun Range Complex	8.10	421.20					
A1719	2010	68733	Multi-purpose Machine Gun Range (MPMG1)	14.99	846.94					
A1719	2010	n/a	Construction Limits for Multi-purpose Machine Gun Range Complex	0.45	25.43					
A1725	2010	68733	Multi-purpose Machine Gun Range (MPMG1)			18.70	935.00			
A1725	2010	n/a	Construction Limits for Multi-purpose Machine Gun Range Complex			1.47	73.50			
A1726	2010	68733	Multi-purpose Machine Gun Range (MPMG1)	15.54	815.85					
A1726	2010	n/a	Construction Limits for Multi-purpose Machine Gun Range Complex	3.17	166.43					
2010 SUB-TOTAL				87.01	4,603.37	20.17	1,008.50	0.00	0.00	
A1716	2011	65070	Multi-purpose Machine Gun Range (MPMG2)	1.09	56.67					
2011 SUB-TOTAL				1.09	56.67	0.00	0.00	0.00	0.00	
TOTAL REMOVALS				88.10	4,660.04	20.17	1,008.50	0.00	0.00	

POST-PROJECT					
	2010			2011	
	Acres	BA	Acres	BA	
Suitable Habitat	1.09	56.67	0.00	0.00	
Potentially Suitable Habitat	0.00	0.00	0.00	0.00	
Future Potential Habitat	0.00	0.00	0.00	0.00	
TOTAL	1.09	56.67	0.00	0.00	

Key:

BA = basal area
dbh = diameter at breast height
hwd = hardwood

Type Burn:
0=no data available
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Appendix Table H-32 Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster
A17-03, Alternative B for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																														
Stand	Acres	Pine Age	Forest Type	Pine Stems 4'-10" dbh	Pine BA 4'-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4'-10" dbh	Hwd BA 4'-10" dbh	Hwd Stems 10-14" dbh	Hwd BA 10-14" dbh	Hwd Stems >14" dbh	Hwd BA >14" dbh	Pine BA >10" dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A1716	53.95	88	21	32.86	10.50	30.08	22.00	21.29	30.00	1.59	2.25	0.75	2.50	52.00	65.00	2	30	6	3	2	4.43	PS					53.95	2,805.40		
A1719	15.44	88	31	51.22	14.50	42.47	30.50	17.92	26.00	4.54	3.19	1.40	4.50	56.50	75.50	1	33	7	3	2	3.90	PS							15.44	872.36
A1725	20.17	41	31	74.55	22.00	49.92	35.50	10.97	14.50	1.24	1.66	2.03	3.50	50.00	75.50	1	30	6	3	2	3.52	PS							20.17	1,008.50
A1726	18.71	82	26	51.05	17.00	43.07	31.00	15.77	21.50	3.21	2.15	1.72	4.50	52.50	74.00	1	37	6	3	2	4.33	PS							18.71	982.28
108.27																									0.00	0.00	53.95	2,805.40	54.32	2,863.14

REMOVALS								Suitable Acreage	Potentially Suitable	Potentially Suitable BA	Future Potential	Future Potential BA
Stand	Fiscal Year	Project Number	Project Name	Removed	Suitable BA Removed	Acreage Removed	Removed	Acreage Removed	Removed	Acreage Removed	Removed	Removed
A1716	2010	68733	Multi-purpose Machine Gun Range (MPMG1)			44.76		2,327.52				
A1716	2010	n/a	Construction Limits for Multi-purpose Machine Gun Range Complex			8.10		421.20				
A1719	2010	68733	Multi-purpose Machine Gun Range (MPMG1)						14.99		846.94	
A1719	2010	n/a	Construction Limits for Multi-purpose Machine Gun Range Complex						0.45		25.43	
A1725	2010	68733	Multi-purpose Machine Gun Range (MPMG1)						18.70		935.00	
A1725	2010	n/a	Construction Limits for Multi-purpose Machine Gun Range Complex						1.47		73.50	
A1726	2010	68733	Multi-purpose Machine Gun Range (MPMG1)						15.54		815.85	
A1726	2010	n/a	Construction Limits for Multi-purpose Machine Gun Range Complex						3.17		166.43	
2010 SUB-TOTAL				0.00	0.00	52.86	2,748.72	54.32	2,863.14			
A1716	2011	65070	Multi-purpose Machine Gun Range (MPMG2)			1.09		56.68				
2011 SUB-TOTAL				0.00	0.00	1.09	56.68	0.00	0.00			
TOTAL REMOVALS				0.00	0.00	53.95	2,805.40	54.32	2,863.14			

POST-PROJECT				
		2010		2011
		Acres	BA	Acres
Suitable Habitat		0.00	0.00	0.00
Potentially Suitable Habitat		1.09	56.68	0.00
Future Potential Habitat		0.00	0.00	0.00
TOTAL		1.09	56.68	0.00

Key:		
BA= basal area	Type Burn:	Suitability
dbh= diameter at breast height	0=no data available	CS= currently suitable
hwd= hardwood	1=non-growing season	PS= potentially suitable
hgc= herbaceous ground cover	2=growing season	NH= non-habitat
Hardwood Midstory:	Forest Type:	
1 = low, sparse	21 = Longleaf Pine	
2 = low, moderate	26 = Mixed Pine-Longleaf	
3 = low, dense	31 = Loblolly Pine	
4 = medium, sparse		
5 = tall, sparse		
6 = medium, moderate		
7 = tall, moderate		
8 = medium, dense		
9 = tall, dense		

Appendix Table H-33. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A17-04, Alternative B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																											
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd. Stems 4-10" dbh	Hwd. Stems 10-14" dbh	Hwd. Stems >14" dbh	Hwd BA >10" dbh	Pine BA >10" dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A1407	6.36	81	21	27.73	7.00	17.92	14.00	17.00	22.50	5.52	1.63	0.50	1.50	36.50	45.00	1	39	6	3	2	1	6.36	232.14				
A1409	0.08	24	31P	6.23	3.00	44.57	32.00	9.65	12.00	0.00	0.00	0.00	0.00	44.00	47.00	1	15	0	3	2	0					0.08	3.52
A1410	5.30	39	25	129.64	32.22	35.80	24.44	7.14	8.89	0.00	0.00	0.00	0.00	33.33	65.56	1	38	0	3	2	0				5.30	176.65	
A1412	13.51	40	31	77.66	21.50	46.76	33.00	9.59	11.50	5.01	1.64	0.82	2.00	44.50	68.00	1	36	4	3	2	0				13.51	601.20	
A1413	0.01	24	31P	35.45	15.00	36.96	25.00	0.00	0.00	0.00	0.00	0.00	0.00	25.00	40.00	1	30	0	3	2	0					0.01	0.25
A1614	2.32	45	25	29.46	10.00	48.86	33.33	13.05	18.33	0.00	2.27	2.78	6.67	51.67	68.33	1	50	8	3	2	1	2.32	119.87				
A1716	39.27	88	21	32.86	10.50	30.08	22.00	21.29	30.00	1.59	2.25	0.75	2.50	52.00	65.00	2	30	6	3	2	1	39.27	2,042.04				
A1725	10.63	41	31	74.55	22.00	49.92	35.50	10.97	14.50	1.24	1.66	2.03	3.50	50.00	75.50	1	30	6	3	2	0				10.63	531.50	
A1726	87.96	82	26	51.05	17.00	43.07	31.00	15.77	21.50	3.21	2.15	1.72	4.50	52.50	74.00	1	37	6	3	2	1	87.96	4,617.90				
A1728	42.48	52	21	69.42	21.00	27.77	21.50	29.91	43.00	0.00	1.77	1.34	3.00	64.50	88.50	2	38	5	3	2	0				42.48	2,739.96	
A1729	4.11	83	31	19.94	6.25	11.54	7.50	13.92	26.25	0.00	0.00	0.00	0.00	33.75	40.00	2	61	0	3	2	1	4.11	138.71				
pp657*	3.89	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					3.89	0.00
215.92																						140.02	7,150.66	71.92	4,049.31	3.98	3.77

REMOVALS										Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
Stand	Fiscal Year	Project Number	Project Name												
A1412	2010	n/a	Construction Limits for Multi-purpose Machine Gun Range Complex									0.49	21.81		
A1716	2010	n/a	Construction Limits for Multi-purpose Machine Gun Range Complex							13.31	692.12				
A1725	2010	n/a	Construction Limits for Multi-purpose Machine Gun Range Complex									10.63	531.50		
A1726	2010	n/a	Construction Limits for Multi-purpose Machine Gun Range Complex							33.05	1,735.13				
A1728	2010	n/a	Construction Limits for Multi-purpose Machine Gun Range Complex							13.41	864.95				
TOTAL REMOVALS										59.77	3,292.20	11.12	553.31	0.00	0.00

POST-PROJECT			2010
Suitable Habitat	Acres	BA	
Potentially Suitable Habitat	60.80	3,858.46	
Future Potential Habitat	3.88	3.77	
TOTAL	145.03	7,358.23	

Key:		
BA= basal area	Type Burn:	Stand Score
dbh= diameter at breast height	0=no data available	0=Unsuitable
hwd= hardwood	1=non-growing season	1=Suitable
hgc= herbaceous ground cover	2=growing season	
Hardwood Midstory:		
1 = low, sparse	21 = Longleaf Pine	
2 = low, moderate	21P = Longleaf Pine Plantation	
3 = low, dense	25 = Mixed Pine	
4 = medium, sparse	26 = Mixed Pine-Longleaf	
5 = tall, sparse	31 = Loblolly Pine	
6 = medium, moderate	31P = Loblolly Pine Plantation	
7 = tall, moderate		
8 = medium, dense		
9 = tall, dense		
* Note: No pine data was collected for pine plantation stands less than 30 years old.		

Appendix Table H-34 Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A17-04, Alternative B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																												
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems >14" dbh	Hwd BA >10" dbh	Pine BA >10" dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A1407	6.36	81	21	27.73	7.00	17.92	14.00	17.00	22.50	5.52	1.63	0.50	1.50	36.50	45.00	1	39	6	3	2	4.36	PS					6.36	232.14
A1409	0.08	24	31P	6.23	3.00	44.57	32.00	9.65	12.00	0.00	0.00	0.00	0.00	44.00	47.00	1	15	0	3	2	3.24	NH					0.08	3.52
A1410	5.30	39	25	129.64	32.22	35.80	24.44	7.14	8.89	0.00	0.00	0.00	0.00	33.33	65.56	1	38	0	3	2	3.09	PS					5.30	176.65
A1412	13.51	40	31	77.66	21.50	46.76	33.00	9.59	11.50	5.01	1.64	0.82	2.00	44.50	68.00	1	36	4	3	2	3.48	PS					13.51	601.20
A1413	0.01	24	31P	35.45	15.00	36.96	25.00	0.00	0.00	0.00	0.00	0.00	0.00	25.00	40.00	1	30	0	3	2	2.96	NH					0.01	0.25
A1614	2.32	45	25	29.46	10.00	48.86	33.33	13.05	18.33	0.00	2.27	2.78	6.67	51.67	68.33	1	50	8	3	2	4.07	PS					2.32	119.87
A1716	39.27	88	21	32.86	10.50	30.08	22.00	21.29	30.00	1.59	2.25	0.75	2.50	52.00	65.00	2	30	6	3	2	4.43	PS			39.27	2,042.04		
A1725	10.63	41	31	74.55	22.00	49.92	35.50	10.97	14.50	1.24	1.66	2.03	3.50	50.00	75.50	1	30	6	3	2	3.52	PS					10.63	531.50
A1726	87.96	82	26	51.05	17.00	43.07	31.00	15.77	21.50	3.21	2.15	1.72	4.50	52.50	74.00	1	37	6	3	2	4.33	PS					87.96	4,617.90
A1728	42.48	52	21	69.42	21.00	27.77	21.50	29.91	43.00	0.00	1.77	1.34	3.00	64.50	88.50	2	38	5	3	2	4.34	PS					42.48	2,739.96
A1729	4.11	83	31	19.94	6.25	11.54	7.50	13.92	26.25	0.00	0.00	0.00	0.00	33.75	40.00	2	61	0	3	2	4.43	PS					4.11	138.71
pp657*	3.89	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					3.89	0.00
215.92																							0.00	0.00	39.27	2,042.04	176.65	9,161.70

REMOVALS							Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
Stand	Fiscal Year	Project Number	Project Name									
A1614	2010	n/a	Construction Limits for Multi-purpose Machine Gun Range Complex						13.31	692.12	0.49	25.32
A1716	2010	n/a	Construction Limits for Multi-purpose Machine Gun Range Complex									
A1725	2010	n/a	Construction Limits for Multi-purpose Machine Gun Range Complex								10.63	531.50
A1726	2010	n/a	Construction Limits for Multi-purpose Machine Gun Range Complex								33.05	1,735.13
A1728	2010	n/a	Construction Limits for Multi-purpose Machine Gun Range Complex								13.41	864.95
2010 SUB-TOTAL							0.00	0.00	13.31	692.12	57.58	3,156.90

POST-PROJECT			2010
Suitable Habitat	Acres	BA	0.00
Potentially Suitable Habitat	25.96	1,349.92	
Future Potential Habitat	119.07	6,004.80	
TOTAL	145.03	7,354.72	

Key:	Type Burn:	Suitability
BA= basal area	0=no data available	CS= currently suitable
dbh= diameter at breast height	1=non-growing season	PS= potentially suitable
hwd= hardwood	2=growing season	NH= non-habitat
hgc= herbaceous ground cover		
Hardwood Midstory:	Forest Type:	
1 = low, sparse	21 = Longleaf Pine	
2 = low, moderate	21P = Longleaf Pine Plantation	
3 = low, dense	25 = Mixed Pine	
4 = medium, sparse	26 = Mixed Pine-Longleaf	
5 = tall, sparse	31 = Loblolly Pine	
6 = medium, moderate	31P = Loblolly Pine Plantation	
7 = tall, moderate		
8 = medium, dense		
9 = tall, dense		
* Note: No pine data was collected for pine plantation stands less than 30 years old.		

Appendix Table H-35. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A17-05, Alternative B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																											
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA >10" dbh	Pine BA > 10" dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable/ Potentially Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A1502	14.48	75	31	22.05	5.50	12.34	9.00	13.04	23.50	5.92	1.71	1.53	3.50	32.50	41.50	1	44	11	3	1	1	14.48	470.60				
A1601	1.94	58	31	6.78	2.50	14.87	11.50	14.54	21.50	4.03	3.38	3.85	9.50	33.00	45.00	1	26	20	3	2	1	1.94	64.02				
A1602	2.92	30	32	56.60	17.00	9.06	6.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00	23.00	1	54	0	3	2	0					2.92	17.52
A1704	83.93	83	26	39.00	11.50	21.65	14.50	18.67	30.50	10.36	3.68	0.67	3.50	45.00	60.00	1	47	10	3	2	1	83.93	3,776.85				
A1709	10.38	42	31	82.75	24.00	38.10	26.50	18.23	26.50	5.35	9.22	2.98	11.50	53.00	88.50	2	31	18	3	2	0			10.38	550.14	2.92	17.52
113.65																						100.35	4,311.47	10.38	550.14	2.92	17.52

REMOVALS										Suitable Acreage		Potentially Suitable	Potentially Suitable BA	Future Potential	Future Potential
Stand	Fiscal Year	Project Number	Project Name							Removed	Suitable BA Removed	Acreage Removed	Removed	Acreage Removed	BA Removed
A1502	2010	n/a	Construction Limits for Multi-purpose Machine Gun Range Complex							5.25	170.63				
A1601	2010	n/a	Construction Limits for Multi-purpose Machine Gun Range Complex							1.94	64.02				
A1602	2010	n/a	Construction Limits for Multi-purpose Machine Gun Range Complex											1.59	9.54
A1704	2010	n/a	Construction Limits for Multi-purpose Machine Gun Range Complex							74.17	3,337.65				
A1709	2010	n/a	Construction Limits for Multi-purpose Machine Gun Range Complex												
			TOTAL REMOVALS							81.36	3,572.30		10.38	550.14	9.54

POST-PROJECT			2010
	Acres	BA	
Suitable Habitat	18.99	739.17	
Potentially Suitable Habitat	0.00	0.00	
Future Potential Habitat	1.33	7.98	
TOTAL	20.32	747.15	

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
0=no data available
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
32 = Shortleaf Pine

Appendix Table H-36. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A17-05, Alternative B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																												
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems >14" dbh	Hwd BA >10" dbh	Pine BA >10" dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable/Potentially Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A1502	14.48	75	31	22.05	5.50	12.34	9.00	13.04	23.50	5.92	1.71	1.53	3.50	32.50	41.50	1	44	11	3	1	4.52	PS					14.48	470.60
A1601	1.94	58	31	6.78	2.50	14.87	11.50	14.54	21.50	4.03	3.38	3.85	9.50	33.00	45.00	1	26	20	3	2	4.33	PS					1.94	64.02
A1602	2.92	30	32	56.60	17.00	9.06	6.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00	23.00	1	54	0	3	2	3.11	PS					2.92	17.52
A1704	83.93	83	26	39.00	11.50	21.65	14.50	18.67	30.50	10.36	3.68	0.67	3.50	45.00	60.00	1	47	10	3	2	4.94	PS			83.93	3,776.85		
A1709	10.38	42	31	82.75	24.00	38.10	26.50	18.23	26.50	5.35	9.22	2.98	11.50	53.00	88.50	2	31	18	3	2	4.37	PS					10.38	550.14
113.65																							0.00	0.00	83.93	3,776.85	29.72	1,102.28

REMOVALS							
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed		Potentially Suitable Acreage Removed	Future Potential Acreage Removed
A1502	2010	n/a	Construction Limits for Multi-purpose Machine Gun Range Complex				5.25
A1601	2010	n/a	Construction Limits for Multi-purpose Machine Gun Range Complex				1.94
A1602	2010	n/a	Construction Limits for Multi-purpose Machine Gun Range Complex				1.59
A1704	2010	n/a	Construction Limits for Multi-purpose Machine Gun Range Complex			74.17	3,337.65
A1709	2010	n/a	Construction Limits for Multi-purpose Machine Gun Range Complex				10.38
TOTAL REMOVALS				0.00	0.00	74.17	3,337.65

POST-PROJECT			2010
	Acres	BA	
Suitable Habitat	0.00	0.00	
Potentially Suitable Habitat	9.76	439.20	
Future Potential Habitat	10.56	307.95	
TOTAL	20.32	747.15	

Key:	Type Burn:	Suitability
BA= basal area	0=no data available	CS= currently suitable
dbh= diameter at breast height	1=non-growing season	PS= potentially suitable
hwd= hardwood	2=growing season	NH= non-habitat
hgc= herbaceous ground cover		
Hardwood Midstory:	Forest Type:	
1 = low, sparse	26 = Mixed Pine-Longleaf	
2 = low, moderate	31 = Loblolly Pine	
3 = low, dense	32 = Shortleaf Pine	
4 = medium, sparse		
5 = tall, sparse		
6 = medium, moderate		
7 = tall, moderate		
8 = medium, dense		
9 = tall, dense		

Appendix Table H-37. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A17-06 Alternative A** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																											
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine Stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems >14" dbh	Hwd BA >10" dbh	Pine BA >10" dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A1406	3.50	82	21	77.17	19.50	19.21	14.00	9.33	14.00	13.38	0.00	0.49	1.00	28.00	48.50	1	28	2	3	2	0					3.50	98.00
A1716	51.19	88	21	32.86	10.50	30.08	22.00	21.29	30.00	1.59	2.25	0.75	2.50	52.00	65.00	2	30	6	3	2	1	51.19	2,661.88				
A1723	4.40	81	21	36.38	12.50	34.06	25.00	29.27	41.00	2.69	0.71	0.19	1.00	66.00	79.50	2	33	1	3	2	1	0.00	0.00				
A1724	45.47	45	26	63.91	17.50	27.77	20.00	11.96	16.50	21.89	7.46	1.41	8.50	36.50	62.50	2	40	18	3	2	1	45.47	1,659.66				
pp179*	20.51	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					20.51	0.00
Z0216	0.90	18	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0					0.00	0.00
125.57																						96.66	4,321.54	0.00	0.00	24.01	98.00

REMOVALS							
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed
A1406	2011	65070	Construction Limits for Multi-purpose Machine Gun Range (MPMG2)				
A1716	2011	65070	Multi-purpose Machine Gun Range (MPMG2)	13.56	705.12		
A1716	2011	65070	Construction Limits for Multi-purpose Machine Gun Range (MPMG2)	33.30	1,731.60		
A1716	2011	65070	Access Road for Multi-purpose Machine Gun Range (MPMG2)	0.07	3.64		
A1724	2011	65070	Multi-purpose Machine Gun Range (MPMG2)	4.65	169.73		
A1724	2011	65070	Construction Limits for Multi-purpose Machine Gun Range (MPMG2)	36.00	1,314.00		
A1724	2011	65070	Access Road for Multi-purpose Machine Gun Range (MPMG2)	3.67	133.96		
pp179*	2011	65070	Construction Limits for Multi-purpose Machine Gun Range (MPMG2)			0.01	0.00
pp179*	2011	65070	Access Road for Multi-purpose Machine Gun Range (MPMG2)			0.02	0.00
TOTAL REMOVALS				91.25	4,058.05	0.00	0.00

POST-PROJECT			2011	
	Acres	BA		
Suitable Habitat	5.41	263.49		
Potentially Suitable Habitat	0.00	0.00		
Future Potential Habitat	23.87	94.92		
TOTAL	29.28	358.41		

Key:

BA = basal area
dbh = diameter at breast height
hwd = hardwood
hgc = herbaceous ground cover

Type Burn:
0=no data available
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
ND = no data provided

* Note: No pine data was taken for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Appendix Table H-38. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A17-06, Alternative A** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																													
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems >14" dbh	Hwd BA >10" dbh	Pine BA >10" dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA	
A1406	3.50	82	21	77.17	19.50	19.21	14.00	9.33	14.00	13.38	0.00	0.49	1.00	28.00	48.50	1	28	2	3	2	4.01	PS					3.50	98.00	
A1716	51.19	88	21	32.86	10.50	30.08	22.00	21.29	30.00	1.59	2.25	0.75	2.50	52.00	65.00	2	30	6	3	2	4.75	PS			51.19	2,661.88			
A1723	4.40	81	21	36.38	12.50	34.06	25.00	29.27	41.00	2.69	0.71	0.19	1.00	66.00	79.50	2	33	1	3	2	4.84	PS		0.00	0.00				
A1724	45.47	45	26	63.91	17.50	27.77	20.00	11.96	16.50	21.89	7.46	1.41	8.50	36.50	62.50	2	40	18	3	2	3.90	PS				45.47	1,659.66		
pp179*	20.51	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH				20.51	0.00		
20216	0.50	18	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	2.06	NH		0.00	0.00	51.19	2,661.88	69.48	1,757.66
125.57																								0.00	0.00	51.19	2,661.88	69.48	1,757.66

REMOVALS								Suitable Acreage		Potentially Suitable	Potentially Suitable BA	Future Potential	Future Potential
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed				
A1406	2011	65070	Construction Limits for Multi-purpose Machine Gun Range (MPMG2)					0.11	3.08				
A1716	2011	65070	Multi-purpose Machine Gun Range (MPMG2)			13.56	705.12						
A1716	2011	65070	Construction Limits for Multi-purpose Machine Gun Range (MPMG2)			33.30	1731.60						
A1716	2011	65070	Access Road for Multi-purpose Machine Gun Range (MPMG2)			0.07	3.64						
A1724	2011	65070	Multi-purpose Machine Gun Range (MPMG2)					4.65	169.73				
A1724	2011	65070	Construction Limits for Multi-purpose Machine Gun Range (MPMG2)					36.00	1,314.00				
A1724	2011	65070	Access Road for Multi-purpose Machine Gun Range (MPMG2)					3.67	133.96				
pp179*	2011	65070	Construction Limits for Multi-purpose Machine Gun Range (MPMG2)					0.01	0.00				
pp179*	2011	65070	Access Road for Multi-purpose Machine Gun Range (MPMG2)					0.02	0.00				
TOTAL REMOVALS				0.00	0.00	46.93	2,440.36	44.46	1,620.77				

POST-PROJECT			2011	
	Acres	BA		
Suitable Habitat	0.00	0.00		
Potentially Suitable Habitat	4.26	221.52		
Future Potential Habitat	25.02	136.89		
TOTAL	29.28	358.41		

Key:		
BA= basal area	Type Burn:	Suitability
dbh= diameter at breast height	0=no data available	CS= currently suitable
hwd= hardwood	1=non-growing season	PS= potentially suitable
hgc= herbaceous ground cover	2=growing season	NH= non-habitat
Hardwood Midstory:	Forest Type:	
1 = low, sparse	21 = Longleaf Pine	
2 = low, moderate	21P = Longleaf Pine Plantation	
3 = low, dense	26 = Mixed Pine-Longleaf	
4 = medium, sparse	ND = no data provided	
5 = tall, sparse		
6 = medium, moderate		
7 = tall, moderate		
8 = medium, dense		
9 = tall, dense		
* Note: No pine data was taken for pine plantation stands less than 30 years old.		
Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.		

Appendix Table H-39. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A17-06 Alternative B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																											
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine Stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems >14" dbh	Hwd BA >10" dbh	Pine BA >10" dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A1406	3.50	82	21	77.17	19.50	19.21	14.00	9.33	14.00	13.38	0.00	0.49	1.00	28.00	48.50	1	28	2	3	2	0					3.50	98.00
A1716	51.19	88	21	32.86	10.50	30.08	22.00	21.29	30.00	1.59	2.25	0.75	2.50	52.00	65.00	2	30	6	3	2	1	51.19	2,661.88				
A1723	4.40	81	21	36.38	12.50	34.06	25.00	29.27	41.00	2.69	0.71	0.19	1.00	66.00	79.50	2	33	1	3	2	1	0.00	0.00				
A1724	45.47	45	26	63.91	17.50	27.77	20.00	11.96	16.50	21.89	7.46	1.41	8.50	36.50	62.50	2	40	18	3	2	1	45.47	1,659.66				
pp179*	20.51	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					20.51	0.00
Z0216	0.50	18	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0					0.00	0.00
125.57																						96.66	4,321.54	0.00	0.00	24.01	98.00

REMOVALS							
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed
A1406	2010	n/a	Construction Limits for Multi-purpose Machine Gun Range Complex				
A1716	2010	n/a	Construction Limits for Multi-purpose Machine Gun Range Complex	37.56	1,953.12		0.13
A1724	2010	n/a	Construction Limits for Multi-purpose Machine Gun Range Complex	37.00	1,350.50		
pp179*	2010	n/a	Construction Limits for Multi-purpose Machine Gun Range Complex				
2010 SUB-TOTAL				74.56	3,303.62	0.00	0.00
A1716	2011	65070	Multi-purpose Machine Gun Range (MPMG2)	13.56	705.12		
A1716	2011	65070	Access Roads for Multi-purpose Machine Gun Range (MPMG2)	0.07	3.64		
A1724	2011	65070	Multi-purpose Machine Gun Range (MPMG2)	4.65	169.73		
A1724	2011	65070	Access Roads for Multi-purpose Machine Gun Range (MPMG2)	3.67	133.96		
pp179*	2011	65070	Access Roads for Multi-purpose Machine Gun Range (MPMG2)			0.02	0.00
2011 SUB-TOTAL				21.95	1,012.45	0.00	0.00
TOTAL REMOVALS				96.51	4,316.07	0.00	0.00

POST-PROJECT					
		2010		2011	
Suitable Habitat		Acres	BA	Acres	BA
Potentially Suitable Habitat		0.00	0.00	0.00	0.00
Future Potential Habitat		23.87	94.36	23.85	94.36
TOTAL		45.97	1,112.28	24.00	99.83

Key:

BA = basal area
dbh = diameter at breast height
hwd = hardwood
hgc = herbaceous ground cover

Type Burn:
0=no data available
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
ND = no data provided

* Note: No pine data was taken for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Appendix Table H-40. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A17-06, Alternative B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																												
Stand	Acres	Pine Age	Forest Type	Pine Stems 4 10" dbh	Pine BA 4- 10" dbh	Pine Stems 10- 14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4- 10" dbh	Hwd Stems 10- 14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10" dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A1406	3.50	82	21	77.17	19.50	19.21	14.00	9.33	14.00	13.38	0.00	0.49	1.00	28.00	48.50	1	28	2	3	2	4.01	PS					3.50	98.00
A1716	51.19	88	21	32.86	10.50	30.08	22.00	21.29	30.00	1.59	2.25	0.75	2.50	52.00	65.00	2	30	6	3	2	4.75	PS			51.19	2,661.88		
A1723	4.40	81	21	36.38	12.50	34.06	25.00	29.27	41.00	2.69	0.71	0.19	1.00	66.00	79.50	2	33	1	3	2	4.84	PS		0.00	0.00			
A1724	45.47	45	26	63.91	17.50	27.77	20.00	11.96	16.50	21.89	7.46	1.41	8.50	36.50	62.50	2	40	18	3	2	3.90	PS			45.47	1,659.66		
pp179*	20.51	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH				20.51	0.00	
20216	0.50	18	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	2.06	NH				0.00	0.00	
																							0.00	0.00	51.19	2,661.88	69.48	1,757.66

REMOVALS									
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A1406	2010	n/a	Construction Limits for Multi-purpose Machine Gun Range Complex					0.13	3.64
A1716	2010	n/a	Construction Limits for Multi-purpose Machine Gun Range Complex			37.56	1,953.12		
A1724	2010	n/a	Construction Limits for Multi-purpose Machine Gun Range Complex					37.00	1,350.50
pp179*	2010	n/a	Construction Limits for Multi-purpose Machine Gun Range Complex					0.01	
2010 SUB-TOTAL				0.00	0.00	37.56	1,953.12	37.14	1,354.14
A1716	2011	65070	Multi-purpose Machine Gun Range (MPMG2)			13.56	705.12		
A1716	2011	65070	Access Roads for Multi-purpose Machine Gun Range (MPMG2)			0.07	3.64		
A1724	2011	65070	Multi-purpose Machine Gun Range (MPMG2)					4.65	169.73
A1724	2011	65070	Access Roads for Multi-purpose Machine Gun Range (MPMG2)					3.67	123.96
pp179*	2011	65070	Access Roads for Multi-purpose Machine Gun Range (MPMG2)					0.02	0.00
2011 SUB-TOTAL				0.00	0.00	13.63	708.76	8.34	303.69
TOTAL REMOVALS				0.00	0.00	51.19	2661.88	45.48	1,657.83

POST-PROJECT			
	2010	2011	
Acres	BA	Acres	BA
Suitable Habitat	0.00	0.00	0.00
Potentially Suitable Habitat	13.63	708.76	0.00
Future Potential Habitat	32.34	403.52	24.00
TOTAL	45.97	1,112.28	24.00

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
ND = no data provided

* Note: No pine data was taken for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Appendix Table H-41. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A17-07, Alternative B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																																															
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine Stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems >14" dbh	Hwd BA >10" dbh	Pine BA >10" dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA																				
A1704	74.21	83	26	39.00	11.50	21.65	14.50	18.67	30.50	10.36	3.68	0.67	3.50	45.00	60.00	1	47	10	3	2	1	74.21	3,339.45																								
A1706	6.90	42	31	68.89	19.50	31.04	21.50	11.87	17.00	9.25	4.51	1.93	6.00	38.50	64.00	5	29	13	3	2	0			6.90	265.65																						
A1707	5.89	42	31	94.25	25.79	63.39	44.21	15.10	20.53	26.90	6.17	1.72	7.89	64.74	98.42	1	19	9	3	2	0			5.89	381.32																						
A1709	5.91	42	31	82.75	24.00	38.10	26.50	18.23	26.50	5.35	9.22	2.98	11.50	53.00	88.50	2	31	18	3	2	0			5.91	313.23																						
A2001	2.89	80	25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00																				
																																										74.21	3,339.45	18.70	960.20	0.00	0.00

REMOVALS										Suitable Acreage							Potentially Suitable							Potentially Suitable BA							Future Potential		Future Potential BA	
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed																									
A1704	2010	n/a	Construction Limits for Multi-purpose Machine Gun Range Complex	58.03	2,611.35																													
A1706	2010	n/a	Construction Limits for Multi-purpose Machine Gun Range Complex			5.84	224.84																											
A1707	2010	68733	Multi-purpose Machine Gun Range (MPMG1)			1.44	93.23																											
A1707	2010	n/a	Construction Limits for Multi-purpose Machine Gun Range Complex			4.45	288.09																											
A1709	2010	68733	Multi-purpose Machine Gun Range (MPMG1)			2.22	117.66																											
A1709	2010	n/a	Construction Limits for Multi-purpose Machine Gun Range Complex			3.69	195.57																											
				2010 SUB-TOTAL	58.03	2,611.35	17.64	919.39	0.00	0.00																								
A1704	2011	68733	Beaten Area for Multi-purpose Machine Gun Range (MPMG1)	15.70	706.50																													
A1706	2011	68733	Beaten Area for Multi-purpose Machine Gun Range (MPMG1)			1.06	40.81																											
				2011 SUB-TOTAL	15.70	706.50	1.06	40.81	0.00	0.00																								
				TOTAL REMOVALS	73.73	3,317.85	18.70	960.20	0.00	0.00																								

POST-PROJECT						2010		2011							
	Acres	BA	Acres	BA											
Suitable Habitat	16.18	726.10	0.48	21.60											
Potentially Suitable Habitat	1.06	40.81	0.00	0.00											
Future Potential Habitat	0.00	0.00	0.00	0.00											
TOTAL	17.24	768.91	0.48	21.60											

KEY:			
BA=	basal area	Type Burn:	Stand Score
dbh=	diameter at breast height	0=no data available	0=Unsuitable
hwd=	hardwood	1=non-growing season	1=Suitable

Key:			
BA=	basal area	Type Burn:	Stand Score
dbh=	diameter at breast height	0=no data available	0=Unsuitable
hwd=	hardwood	1=non-growing season	1=Suitable
hg=	herbaceous ground cover	2=growing season	
Hardwood Midstory:		Forest Type:	
1 = low, sparse		25 = Mixed Pine-Longleaf	
2 = low, moderate		26 = Mixed Pine	
3 = low, dense		31 = Loblolly Pine	
4 = medium, sparse			
5 = tall, sparse			
6 = medium, moderate			
7 = tall, moderate			
8 = medium, dense			
9 = tall, dense			
	Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat		

Appendix Table H-42. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A17-07, Alternative B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																															
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems >14" dbh	Hwd BA >10" dbh	Pine BA >10" dbh	Total Stand BA (Pines + Hwds)	Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA			
A1704	74.21	83	26	39.00	11.50	21.65	14.50	18.67	30.50	10.36	3.68	0.67	3.50	45.00	60.00	1	47	10	3	2	4.94	PS			74.21	3,339.45					
A1706	6.90	42	31	68.89	19.50	31.04	21.50	11.87	17.00	9.25	4.51	1.93	6.00	38.50	64.00	5	29	13	3	2	3.63	PS					6.90	265.65			
A1707	5.89	42	31	94.25	25.79	63.39	44.21	15.10	20.53	26.90	6.17	1.72	7.89	64.74	98.42	1	19	9	3	2	4.10	PS					5.89	381.32			
A1709	5.91	42	31	82.75	24.00	38.10	26.50	18.23	26.50	5.35	9.22	2.98	11.50	53.00	88.50	2	31	18	3	2	4.37	PS					5.91	313.23			
A2001	2.89	80	25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	2	NH	0.00	0.00	0.00	0.00	0.00	0.00			
95.80																						0.00	0.00	74.21	3,339.45	18.70	960.20				

REMOVALS								Suitable Acreage	Potentially Suitable	Potentially Suitable BA	Future Potential	Future Potential BA	
Stand	Fiscal Year	Project Number	Project Name	Removed	Suitable BA Removed	Acreage Removed	Removed	Removed	Removed	Removed	Removed	Removed	
A1704	2010	n/a	Construction Limits for Multi-purpose Machine Gun Range Complex			58.03		2,611.35					
A1706	2010	n/a	Construction Limits for Multi-purpose Machine Gun Range Complex							5.84		224.84	
A1707	2010	68733	Multi-purpose Machine Gun Range (MPMG1)							1.44		93.23	
A1707	2010	n/a	Construction Limits for Multi-purpose Machine Gun Range Complex							4.45		288.09	
A1709	2010	68733	Multi-purpose Machine Gun Range (MPMG1)							2.22		117.66	
A1709	2010	n/a	Construction Limits for Multi-purpose Machine Gun Range Complex							3.69		195.57	
2010 SUB-TOTAL				0.00	0.00	58.03		2,611.35		17.64		919.39	
A1704	2011	68733	Beaten Area for Multi-purpose Machine Gun Range (MPMG1)							15.70		706.50	
A1706	2011	68733	Beaten Area for Multi-purpose Machine Gun Range (MPMG1)									1.06	40.81
2011 SUB-TOTAL				0.00	0.00	15.70		706.50		1.06		40.81	
TOTAL REMOVALS				0.00	0.00	73.73		3,317.85		18.70		960.20	

POST-PROJECT				2010		2011	
	Acres	BA		Acres	BA	Acres	BA
Suitable Habitat	0.00	0.00		0.00	0.00		
Potentially Suitable Habitat	16.18	728.10		0.48	21.60		
Future Potential Habitat	1.06	40.81		0.00	0.00		
TOTAL	17.24	768.91		0.48	21.60		

Key:	Type Burn:	Suitability
BA= basal area	0=no data available	CS= currently suitable
dbh= diameter at breast height	1=non-growing season	PS= potentially suitable
hwd= hardwood	2=growing season	NH= non-habitat
hgc= herbaceous ground cover		
Hardwood Midstory:	Forest Type:	
1 = low, sparse	25 = Mixed Pine-Longleaf	
2 = low, moderate	26 = Mixed Pine	
3 = low, dense	31 = Loblolly Pine	
4 = medium, sparse		
5 = tall, sparse		
6 = medium, moderate		
7 = tall, moderate		
8 = medium, dense		
9 = tall, dense		
	Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the	

Appendix Table H-43. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A17-08, Alternative A** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																																																
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine Stems >14" dbh	Pine BA >14" dbh	Hwd. Stems 4-10" dbh	Hwd. Stems 10-14" dbh	Hwd. Stems >14" dbh	Hwd BA >10" dbh	Pine BA >10" dbh	Total Stand BA (Pines + Hwds)	Hwd. Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA																					
A1710	6.16	76	31	16.04	5.00	8.44	5.50	0.43	0.50	7.81	8.01	3.91	11.50	6.00	22.50	2	50	57	3	2	0					6.16	36.96																					
A1713	12.57	75	26	73.92	19.00	8.97	5.50	0.00	0.00	2.82	2.09	0.00	1.50	5.50	26.00	1	35	19	3	2	0					12.57	69.14																					
A1714	79.39	92	21	52.71	15.50	28.01	20.50	32.31	45.50	12.62	1.99	2.49	5.00	66.00	86.50	1	16	7	3	2	1	79.39	5,239.74																									
A1716	18.68	88	21	32.86	10.50	30.08	22.00	21.29	30.00	1.59	2.25	0.75	2.50	52.00	65.00	2	30	6	3	2	1	18.68	971.36																									
A1723	13.77	81	21	36.38	12.50	34.06	25.00	29.27	41.00	2.69	0.71	0.19	1.00	66.00	79.50	2	33	1	3	2	1	13.77	908.82																									
130.57																																																
																						111.84	7,119.92	0.00	0.00	18.73	106.10																					

REMOVALS										Suitable Acreage		Potentially Suitable		Future Potential	
Stand	Fiscal Year	Project Number	Project Name	Removed		Suitable BA Removed		Acreage Removed		Removed		Acreage Removed		Removed	
A1710	2011	65070	Multi-purpose Machine Gun Range (MPMG2)									5.05		30.30	
A1710	2011	65070	Construction Limits for Multi-purpose Machine Gun Range (MPMG2)									1.11		6.66	
A1713	2011	65070	Multi-purpose Machine Gun Range (MPMG2)									9.91		54.51	
A1713	2011	65070	Construction Limits for Multi-purpose Machine Gun Range (MPMG2)									2.66		14.63	
A1714	2011	65070	Multi-purpose Machine Gun Range (MPMG2)	68.13		4,496.58									
A1714	2011	65070	Construction Limits for Multi-purpose Machine Gun Range (MPMG2)	11.26		743.16									
A1716	2011	65070	Multi-purpose Machine Gun Range (MPMG2)	18.04		938.08									
A1716	2011	65070	Construction Limits for Multi-purpose Machine Gun Range (MPMG2)	0.64		33.28									
A1723	2011	65070	Multi-purpose Machine Gun Range (MPMG2)	13.74		906.84									
A1723	2011	65070	Construction Limits for Multi-purpose Machine Gun Range (MPMG2)	0.03		1.98									
TOTAL REMOVALS				111.84		7,119.92		0.00		0.00		18.73		106.10	

POST-PROJECT			2011	
	Acres		BA	
Suitable Habitat	0.00		0.00	
Potentially Suitable Habitat	0.00		0.00	
Future Potential Habitat	0.00		0.00	
TOTAL	0.00		0.00	

Key:		Type Burn:	Stand Score
BA=	basal area	0=no data available	0=Unsuitable
dbh=	diameter at breast height	1=non-growing season	1=Suitable
hwd=	hardwood		

Key:		
BA= basal area	Type Burn:	Stand Score
dbh= diameter at breast height	0=no data available	0=Unsuitable
hwd= hardwood	1=non-growing season	1=Suitable
hgc= herbaceous ground cover	2=growing season	
Hardwood Midstory:	Forest Type:	
1 = low, sparse	21 = Longleaf Pine	
2 = low, moderate	26 = Mixed Pine-Longleaf	
3 = low, dense	31 = Loblolly Pine	
4 = medium, sparse		
5 = tall, sparse		
6 = medium, moderate		
7 = tall, moderate		
8 = medium, dense		
9 = tall, dense		

Appendix Table H-44. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A17-08, Alternative A** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																													
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems >14" dbh	Hwd BA >10" dbh	Pine BA >10" dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA	
A1710	6.16	76	31	16.04	5.00	8.44	5.50	0.43	0.50	7.81	8.01	3.91	11.50	6.00	22.50	2	50	57	3	2	2.82	NH					6.16	36.96	
A1713	12.57	75	26	73.92	19.00	8.97	5.50	0.00	0.00	2.82	2.09	0.00	1.50	5.50	26.00	1	35	19	3	2	3.30	PS					12.57	69.14	
A1714	79.39	92	21	52.71	15.50	28.01	20.50	32.31	45.50	12.62	1.99	2.49	5.00	66.00	86.50	1	16	7	3	2	4.62	PS			79.39	5,239.74			
A1716	18.68	88	21	32.86	10.50	30.08	22.00	21.29	30.00	1.59	2.25	0.75	2.50	52.00	65.00	2	30	6	3	2	4.75	PS			18.68	971.36			
A1723	13.77	81	21	36.38	12.50	34.06	25.00	29.27	41.00	2.69	0.71	0.19	1.00	66.00	79.50	2	33	1	3	2	4.84	PS			13.77	908.82			
130.57																								0.00	0.00	111.84	7,119.92	18.73	106.10

REMOVALS							
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed
A1710	2011	65070	Multi-purpose Machine Gun Range (MPMG2)				5.05
A1710	2011	65070	Construction Limits for Multi-purpose Machine Gun Range (MPMG2)				1.11
A1713	2011	65070	Multi-purpose Machine Gun Range (MPMG2)				9.91
A1713	2011	65070	Construction Limits for Multi-purpose Machine Gun Range (MPMG2)				2.66
A1714	2011	65070	Multi-purpose Machine Gun Range (MPMG2)			68.13	4,496.58
A1714	2011	65070	Construction Limits for Multi-purpose Machine Gun Range (MPMG2)			11.26	743.16
A1716	2011	65070	Multi-purpose Machine Gun Range (MPMG2)			18.04	938.08
A1716	2011	65070	Construction Limits for Multi-purpose Machine Gun Range (MPMG2)			0.64	33.28
A1723	2011	65070	Multi-purpose Machine Gun Range (MPMG2)			13.74	908.84
A1723	2011	65070	Construction Limits for Multi-purpose Machine Gun Range (MPMG2)			0.03	1.98
TOTAL REMOVALS				0.00	0.00	111.84	7,119.92
							18.73
							106.10

POST-PROJECT		
	2011	
Suitable Habitat	Acres	BA
Potentially Suitable Habitat	0.00	0.00
Future Potential Habitat	0.00	0.00
TOTAL	0.00	0.00

Key:		
BA= basal area	Type Burn:	Suitability
dbh= diameter at breast height	0=no data available	CS= currently suitable
hwd= hardwood	1=non-growing season	PS= potentially suitable
hgc= herbaceous ground cover	2=growing season	NH= non-habitat
Hardwood Midstory:	Forest Type:	
1 = low, sparse	21 = Longleaf Pine	
2 = low, moderate	26 = Mixed Pine-Longleaf	
3 = low, dense	31 = Loblolly Pine	
4 = medium, sparse		
5 = tall, sparse		
6 = medium, moderate		
7 = tall, moderate		
8 = medium, dense		
9 = tall, dense		

Appendix Table H-45. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A17-08, Alternative B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine Stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems >14" dbh	Hwd BA >10" dbh	Pine BA >10" dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
A1710	6.16	76	31	16.04	5.00	8.44	5.50	0.43	0.50	7.81	8.01	3.91	11.50	6.00	22.50	2	50	57	3	2	0					6.16	36.96																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
A1713	12.57	75	26	73.92	19.00	8.97	5.50	0.00	0.00	2.82	2.09	0.00	1.50	5.50	26.00	1	35	19	3	2	0					12.57	69.14																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
A1714	79.39	92	21	52.71	15.50	28.01	20.50	32.31	45.50	12.62	1.99	2.49	5.00	66.00	86.50	1	16	7	3	2	1	79.39	5,239.74																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
A1716	18.68	88	21	32.86	10.50	30.08	22.00	21.29	30.00	1.59	2.25	0.75	2.50	52.00	65.00	2	30	6	3	2	1	18.68	971.36																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
A1723	13.77	81	21	36.38	12.50	34.06	25.00	29.27	41.00	2.69	0.71	0.19	1.00	66.00	79.50	2	33	1	3	2	1	13.77	908.82																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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Appendix Table H-46. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A17-08, Alternative B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																																																	
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine Stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems >14" dbh	Hwd BA >10" dbh	Pine BA >10" dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA																					
A1710	6.16	76	31	16.04	5.00	8.44	5.50	0.43	0.50	7.81	8.01	3.91	11.50	6.00	22.50	2	50	57	3	2	2.82	NH					6.16	36.96																					
A1713	12.57	75	26	73.92	19.00	8.97	5.50	0.00	0.00	2.82	2.09	0.00	1.50	5.50	26.00	1	35	19	3	2	3.30	PS					12.57	69.14																					
A1714	79.39	92	21	52.71	15.50	28.01	20.50	32.31	45.50	12.62	1.99	2.49	5.00	66.00	86.50	1	16	7	3	2	4.62	PS			79.39	5,239.74																							
A1716	18.68	88	21	32.86	10.50	30.08	22.00	21.29	30.00	1.59	2.25	0.75	2.50	52.00	65.00	2	30	6	3	2	4.75	PS			18.68	971.36																							
A1723	13.77	81	21	36.38	12.50	34.06	25.00	29.27	41.00	2.69	0.71	0.19	1.00	66.00	79.50	2	33	1	3	2	4.84	PS			13.77	908.82																							
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Appendix Table H-47. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A17-11R Alternatives A and B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																											
Stand	Acres	Pine Age	Forest Type	Pine Stems 4- 10" dbh	Pine BA 4- 10" dbh	Pine Stems 10- 14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4- 10" dbh	Hwd Stems 10- 14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10" dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A1403	3.15	112	26	34.02	8.42	11.18	7.37	8.36	14.74	25.09	5.50	0.39	4.21	22.11	34.74	7	27	23	3	2	0					0.00	0.00
A1710	4.47	NM	31	16.04	5.00	8.44	5.50	0.43	0.50	7.81	8.01	3.91	11.50	6.00	22.50	2	50	57	3	2	0					0.00	0.00
A1712	5.12	NM	21	70.22	14.29	0.00	0.00	0.00	0.00	7.79	2.29	0.00	1.43	0.00	15.71	2	29	100	3	2	0					0.00	0.00
A1713	0.35	75	26	73.92	19.00	8.97	5.50	0.00	0.00	2.82	2.09	0.00	1.50	5.50	26.00	1	35	19	3	2	0					0.35	1.93
A1714	0.44	92	21	52.71	15.50	28.01	20.50	32.31	45.50	12.62	1.99	2.49	5.00	66.00	86.50	1	16	7	3	2	1	0.44	29.04				
A1723	122.88	81	21	36.38	12.50	34.06	25.00	29.27	41.00	2.69	0.71	0.19	1.00	66.00	79.50	2	33	1	3	2	1	122.88	8,110.08				
A1921	0.91	109	21	50.03	12.22	20.57	15.56	8.31	10.56	2.27	4.30	1.16	4.44	26.11	42.78	1	18	16	3	2	0					0.00	0.00
	136.72																					123.32	8,139.12	0.00	0.00	0.35	1.93

REMOVALS							
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed
A1723	2011	65070	Construction Limits for Multi-purpose Machine Gun Range (MPMG2)				
A1714	2011	65070	Multi-purpose Machine Gun Range (MPMG2)	0.44	29.04		
A1723	2011	65070	Multi-purpose Machine Gun Range (MPMG2)	19.35	1,277.10		
A1723	2011	65070	Construction Limits for Multi-purpose Machine Gun Range (MPMG2)	86.74	5,724.84		
TOTAL REMOVALS				106.53	7,030.98	0.00	0.00

POST-PROJECT			2011	
Suitable Habitat	Acres	BA		
Potentially Suitable Habitat	0.00	0.00		
Future Potential Habitat	0.00	0.00		
TOTAL	16.79	1,108.14		

Key:

BA = basal area
dbh = diameter at breast height
hwd = hardwood
hgc = herbaceous ground cover

Type Burn:
0=no data available
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1= low, sparse
2= low, moderate
3= low, dense
4= medium, sparse
5= tall, sparse
6= medium, moderate
7= tall, moderate
8= medium, dense
9= tall, dense

Forest Type:
21 = Longleaf Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
NM = not managed

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Appendix Table H-48. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A17-11R, Alternatives A and B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4 10" dbh	Pine BA 4- 10" dbh	Pine Stems 10- 14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4- 10" dbh	Hwd Stems 10- 14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10" dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A1403	3.15	112	26	34.02	8.42	11.18	7.37	8.36	14.74	25.09	5.50	0.39	4.21	22.11	34.74	7	27	23	3	2	3.34	PS					0.00	0.00
A1710	4.47	NM	31	16.04	5.00	8.44	5.50	0.43	0.50	7.81	8.01	3.91	11.50	6.00	22.50	2	50	57	3	2	2.82	NH					0.00	0.00
A1712	5.12	NM	21	70.22	14.29	0.00	0.00	0.00	0.00	7.79	2.29	0.00	1.43	0.00	15.71	2	29	100	3	2	2.55	NH					0.00	0.00
A1713	0.35	75	26	73.92	19.00	8.97	5.50	0.00	0.00	2.82	2.09	0.00	1.50	5.50	26.00	1	35	19	3	2	3.30	PS					0.35	1.93
A1714	0.44	92	21	52.71	15.50	28.01	20.50	32.31	45.50	12.62	1.99	2.49	5.00	66.00	86.50	1	16	7	3	2	4.62	PS			0.44	29.04		
A1723	122.88	81	21	36.38	12.50	34.06	25.00	29.27	41.00	2.69	0.71	0.19	1.00	66.00	79.50	2	33	1	3	2	4.84	PS			122.88	8,110.08		
A1821	0.31	109	21	50.03	12.22	20.57	15.56	8.31	10.56	2.27	4.30	1.16	4.44	26.11	42.78	1	16	16	3	2	3.67	PS					0.00	0.00
	136.72																						0.00	0.00	123.32	8,139.12	0.35	1.93

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A1713	2011	65070	Construction Limits for Multi-purpose Machine Gun Range (MPMG2)			0.44	29.04	0.35	1.93
A1714	2011	65070	Multi-purpose Machine Gun Range (MPMG2)			19.35	1,277.10		
A1723	2011	65070	Multi-purpose Machine Gun Range (MPMG2)			86.74	5,724.84		
A1723	2011	65070	Construction Limits for Multi-purpose Machine Gun Range (MPMG2)						
TOTAL REMOVALS				0.00	0.00	106.53	7,030.98	0.35	1.93

POST-PROJECT

	2011	
Suitable Habitat	Acres	BA
Potentially Suitable Habitat	16.79	1,108.14
Future Potential Habitat	0.00	0.00
TOTAL	16.79	1,108.14

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
0=no data available
1=non-growing season
2=growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
NM = not managed

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Appendix Table H-49. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A17-12R Alternatives A and B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																																						
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems >14" dbh	Hwd BA >10" dbh	Pine BA >10" dbh	Total Stand BA (Pines + Hwds)	Midstory Height Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA											
A1403	34.81	112	26	34.02	8.42	11.18	7.37	8.36	14.74	25.09	5.50	0.39	4.21	22.11	34.74	7	27	23	3	2	0					34.81	769.65											
A1723	14.81	81	21	36.38	12.50	34.06	25.00	29.27	41.00	2.69	0.71	0.19	1.00	66.00	79.50	2	33	1	3	2	1	14.81	977.46															
A1819	43.67	78	21	20.06	5.50	15.75	12.00	17.27	24.50	19.57	7.88	2.73	9.50	36.50	51.50	5	21	24	3	2	0			43.67	1,593.96													
A1821	27.31	109	21	50.03	12.22	20.57	15.56	8.31	10.56	2.27	4.30	1.16	4.44	26.11	42.78	1	16	16	3	2	0					27.31	713.06											
A1823	0.41	ND	10	50.53	14.50	13.26	9.00	0.89	1.00	18.99	5.76	2.91	9.50	10.00	34.00	1	30	38	3	2	0					0.41	4.10											
A2001	4.10	80	25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00											
125.11																						14.81	977.46	43.67	1,593.96	62.53	1,486.81											

REMOVALS															
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed						
A1723	2011	65070	Construction Limits for Multi-purpose Machine Gun Range (MPMG2)	4.75	313.50										
A1821	2011	65070	Construction Limits for Multi-purpose Machine Gun Range (MPMG2)					26.06	680.43						
A1823	2011	65070	Construction Limits for Multi-purpose Machine Gun Range (MPMG2)					0.41	4.10						
TOTAL REMOVALS				4.75	313.50	0.00	0.00	26.47	684.53						

POST-PROJECT			
	2011		
Suitable Habitat	Acres	BA	
	10.06	663.96	
Potentially Suitable Habitat	43.67	1,593.96	
Future Potential Habitat	36.06	802.28	
TOTAL	89.79	3,060.20	

BA = basal area	Type Burn:	Stand Score
dbh = diameter at breast height	0=no data available	0=Unsuitable
hwd = hardwood	1=non-growing season	1=Suitable
hgc = herbaceous ground cover	2=growing season	
Hardwood Midstory:	Forest Type:	
1 = low, sparse	10 = Yellow Pine-Upland Hardwood	
2 = low, moderate	21 = Longleaf Pine	
3 = low, dense	25 = Mixed Pine	
4 = medium, sparse	26 = Mixed Pine-Longleaf	
5 = tall, sparse	ND = no data provided	
6 = medium, moderate		
7 = tall, moderate		
8 = medium, dense		
9 = tall, dense		

Appendix Table H-50. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A17-12R, Alternatives A and B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																												
Stand	Acres	Pine Age	Forest Type	Pine Stems 4 10" dbh	Pine BA 4- 10" dbh	Pine Stems 10- 14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4- 10" dbh	Hwd Stems 10- 14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10" dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A1403	34.81	112	26	34.02	8.42	11.18	7.37	8.36	14.74	25.09	5.50	0.39	4.21	22.11	34.74	7	27	23	3	2	3.34	PS					34.81	769.65
A1723	14.81	81	21	36.38	12.50	34.06	25.00	29.27	41.00	2.69	0.71	0.19	1.00	66.00	79.50	2	33	1	3	2	4.84	PS			14.81	977.46		
A1819	43.67	78	21	20.06	5.50	15.75	12.00	17.27	24.50	19.57	7.88	2.73	9.50	36.50	51.50	5	21	24	3	2	4.17	PS					43.67	1,593.96
A1821	27.31	109	21	50.03	12.22	20.57	15.56	8.31	10.56	2.27	4.30	1.16	4.44	26.11	42.78	1	16	16	3	2	3.67	PS					27.31	713.06
A1823	0.41	ND	10	50.53	14.50	13.26	9.00	0.89	1.00	18.99	5.76	2.91	9.50	10.00	34.00	1	30	38	3	2	2.65	NH					0.41	4.10
A2001	4.10	80	25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	PS					0.00	0.00
125.11																							0.00	0.00	14.81	977.46	106.20	3,080.77

REMOVALS										Suitable Acreage		Potentially Suitable		Potentially Suitable BA		Future Potential	
Stand	Fiscal Year	Project Number	Project Name	Removed		Suitable BA Removed		Acreage Removed		Removed		Acreage Removed		Removed		Acreage Removed	
A1723	2011	65070	Construction Limits for Multi-purpose Machine Gun Range (MPMG2)									4.75		313.50		26.06	680.43
A1821	2011	65070	Construction Limits for Multi-purpose Machine Gun Range (MPMG2)													0.41	4.10
A1823	2011	65070	Construction Limits for Multi-purpose Machine Gun Range (MPMG2)														
TOTAL REMOVALS				0.00		0.00		4.75		313.50		26.47		684.53			

POST-PROJECT			2011	
Suitable Habitat	Acres	BA	0.00	0.00
Potentially Suitable Habitat	10.06	663.96		
Future Potential Habitat	79.73	2,396.24		
TOTAL	89.79	3,060.20		

Key:		
BA= basal area	Type Burn:	Suitability
dbh= diameter at breast height	0=no data available	CS= currently suitable
hwd= hardwood	1=non-growing season	PS= potentially suitable
hgc= herbaceous ground cover	2=growing season	NH= non-habitat
Hardwood Midstory:		
1 = low, sparse	Forest Type:	
2 = low, moderate	10 = Yellow Pine-Upland Hardwood	
3 = low, dense	21 = Longleaf Pine	
4 = medium, sparse	25 = Mixed Pine	
5 = tall, sparse	26 = Mixed Pine-Longleaf	
6 = medium, moderate	ND = no data provided	
7 = tall, moderate		
8 = medium, dense		
9 = tall, dense		
Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.		

Appendix Table H-51. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A17-13, Alternative A** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																											
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd. Stems 4-10" dbh	Hwd. Stems 10-14" dbh	Hwd. Stems >14" dbh	Hwd BA ≥10" dbh	Pine BA >10" dbh	Total Stand BA (Pines + Hwds)	Hwd. Midstory Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A1716	80.36	88	21	32.86	10.50	30.08	22.00	21.29	30.00	1.59	2.25	0.75	2.50	52.00	65.00	2	30	6	3	2	1	80.36	4,178.72				
A1725	24.42	41	31	74.55	22.00	49.92	35.50	10.97	14.50	1.24	1.66	2.03	3.50	50.00	75.50	1	30	6	3	2	0						
104.78																						80.36	4,178.72	24.42	1,221.00	0.00	0.00

REMOVALS									
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A1716	2011	65070	Multi-purpose Machine Gun Range (MPMG2)	5.18	269.36				
A1716	2011	65070	Construction Limits for Multi-purpose Machine Gun Range (MPMG2)	53.77	2,796.04				
A1725	2011	65070	Construction Limits for Multi-purpose Machine Gun Range (MPMG2)			8.80	440.00	0.00	0.00
TOTAL REMOVALS				58.95	3,065.40	8.80	440.00		

POST-PROJECT		2011	
	Acres	BA	
Suitable Habitat	21.41	1,113.32	
Potentially Suitable Habitat	15.62	781.00	
Future Potential Habitat	0.00	0.00	
TOTAL	37.03	1,894.32	

Key:		
BA= basal area	Type Burn:	Stand Score
dbh= diameter at breast height	0=no data available	0=Unsuitable
hwd= hardwood	1=non-growing season	1=Suitable
hgc= herbaceous ground cover	2=growing season	
Hardwood Midstory:		Forest Type:
1 = low, sparse		21 = Longleaf Pine
2 = low, moderate		31 = Loblolly Pine
3 = low, dense		
4 = medium, sparse		
5 = tall, sparse		
6 = medium, moderate		
7 = tall, moderate		
8 = medium, dense		
9 = tall, dense		

Appendix Table H-52. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A17-13, Alternative A** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems >14" dbh	Hwd BA >10" dbh	Pine BA >10" dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A1716	80.36	88	21	32.86	10.50	30.08	22.00	21.29	30.00	1.59	2.25	0.75	2.50	52.00	65.00	2	30	6	3	2	4.75	PS			80.36	4,178.72		
A1725	24.42	41	31	74.55	22.00	49.92	35.50	10.97	14.50	1.24	1.66	2.03	3.50	50.00	75.50	1	30	6	3	2	3.84	PS					24.42	1,221.00
104.78																							0.00	0.00	80.36	4,178.72	24.42	1,221.00

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A1716	2011	65070	Multi-purpose Machine Gun Range (MPMG2)			5.18	269.36		
A1716	2011	65070	Construction Limits for Multi-purpose Machine Gun Range (MPMG2)			53.77	2,796.04		
A1725	2011	65070	Construction Limits for Multi-purpose Machine Gun Range (MPMG2)					8.80	440.00
2011 SUB-TOTAL				0.00	0.00	58.95	3,065.40	8.80	440.00

POST-PROJECT

2011	
Acres	BA
Suitable Habitat	0.00
Potentially Suitable Habitat	21.41
Future Potential Habitat	15.62
TOTAL	37.03

Key:	
BA= basal area	Type Burn:
dbh= diameter at breast height	0=no data available
hwd= hardwood	1=non-growing season
hgc= herbaceous ground cover	2=growing season
Hardwood Midstory:	Suitability
1 = low, sparse	CS= currently suitable
2 = low, moderate	PS= potentially suitable
3 = low, dense	NH= non-habitat
4 = medium, sparse	
5 = tall, sparse	Forest Type:
6 = medium, moderate	21 = Longleaf Pine
7 = tall, moderate	31 = Loblolly Pine
8 = medium, dense	
9 = tall, dense	

Appendix Table H-53. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A17-13, Alternative B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																											
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd. Stems 4-10" dbh	Hwd. Stems 10-14" dbh	Hwd. Stems >14" dbh	Hwd BA >10" dbh	Pine BA >10" dbh	Total Stand BA (Pines + Hwds)	Hwd. Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A1716	80.36	88	21	32.86	10.50	30.08	22.00	21.29	30.00	1.59	2.25	0.75	2.50	52.00	65.00	2	30	6	3	2	1	80.36	4,178.72				
A1725	24.42	41	31	74.55	22.00	49.92	35.50	10.97	14.50	1.24	1.66	2.03	3.50	50.00	75.50	1	30	6	3	2	0			24.42	1,221.00		
	104.78																					80.36	4,178.72	24.42	1,221.00	0.00	0.00

REMOVALS									
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A1716	2010	68733	Construction Limits for Multi-purpose Machine Gun Range (MPMG1)	75.18	3,909.36				
A1725	2010	68733	Multi-purpose Machine Gun Range (MPMG1)			0.95	47.50		
A1725	2010	68733	Construction Limits for Multi-purpose Machine Gun Range (MPMG1)			23.47	1,173.50		
			2010 SUB-TOTAL	75.18	3,909.36	24.42	1,221.00	0.00	0.00
A1716	2011	65070	Multi-purpose Machine Gun Range (MPMG2)	5.18	269.36				
			2011 SUB-TOTAL	5.18	269.36	0.00	0.00	0.00	0.00
			TOTAL REMOVALS	80.36	4,178.72	24.42	1,221.00	0.00	0.00

POST-PROJECT				
	2010		2011	
	Acres	BA	Acres	BA
Suitable Habitat	5.18	269.36	0.00	0.00
Potentially Suitable Habitat	0.00	0.00	0.00	0.00
Future Potential Habitat	0.00	0.00	0.00	0.00
TOTAL	5.18	269.36	0.00	0.00

KEY:		
BA= basal area	Type Burn:	Stand Score
dbh= diameter at breast height	0=no data available	0=Unsuitable
hwd= hardwood	1=non-growing season	1=Suitable
hgc= herbaceous ground cover	2=growing season	
Hardwood Midstory:	Forest Type:	
1 = low, sparse	21 = Longleaf Pine	
2 = low, moderate	31 = Loblolly Pine	
3 = low, dense		
4 = medium, sparse		
5 = tall, sparse		
6 = medium, moderate		
7 = tall, moderate		
8 = medium, dense		
9 = tall, dense		

Appendix Table H-54. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A17-13, Alternative B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																														
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems >14" dbh	Hwd BA >10" dbh	Pine BA >10" dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA		
A1716	80.36	88	21	32.86	10.50	30.08	22.00	21.29	30.00	1.59	2.25	0.75	2.50	52.00	65.00	2	30	6	3	2	4.75	PS			80.36	4,178.72				
A1725	24.42	41	31	74.55	22.00	49.92	35.50	10.97	14.50	1.24	1.66	2.03	3.50	50.00	75.50	1	30	6	3	2	3.84	PS					24.42	1,221.00		
104.78																									0.00	0.00	80.36	4,178.72	24.42	1,221.00

REMOVALS									
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A1716	2010	68733	Construction Limits for Multi-purpose Machine Gun Range (MPMG1)			75.18	3,909.36		
A1725	2010	68733	Multi-purpose Machine Gun Range (MPMG1)					0.95	47.50
A1725	2010	68733	Construction Limits for Multi-purpose Machine Gun Range (MPMG1)					23.47	1,173.50
2010 SUB-TOTAL				0.00	0.00	75.18	3,909.36	24.42	1,221.00
A1716	2011	65070	Multi-purpose Machine Gun Range (MPMG2)			5.18	269.36		
2011 SUB-TOTAL				0.00	0.00	5.18	269.36	0.00	0.00
TOTAL REMOVALS				0.00	0.00	80.36	4,178.72	24.42	1,221.00

POST-PROJECT				
		2010		2011
		Acres	BA	Acres BA
Suitable Habitat		0.00	0.00	0.00 0.00
Potentially Suitable Habitat		5.18	269.36	0.00 0.00
Future Potential Habitat		0.00	0.00	0.00 0.00
TOTAL		5.18	269.36	0.00 0.00

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
0=no data available
1=non-growing season
2=growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Forest Type:
21 = Longleaf Pine
31 = Loblolly Pine

Appendix Table H-55. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A17-14a, Alternative A** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																										
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine Stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems >14" dbh	Hwd BA >10" dbh	Pine BA >10" dbh	Total Stand BA (Pines + Hwds)	Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Potentially Suitable BA	Potentially Suitable Acreage	Future Potential Acreage	Future Potential BA
A1601	8.24	58	31	6.78	2.50	14.87	11.50	14.54	21.50	4.03	3.38	3.85	9.50	33.00	45.00	1	26	20	3	2	1	8.24	271.92			
A1602	15.92	30	32	56.60	17.00	9.06	6.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00	23.00	1	54	0	3	2	0				15.92	95.52
A1709	13.58	42	31	82.75	24.00	38.10	26.50	18.23	26.50	5.35	9.22	2.98	11.50	53.00	88.50	2	31	18	3	2	0			13.58	719.74	
A1716	4.41	88	21	32.86	10.50	30.08	22.00	21.29	30.00	1.59	2.25	0.75	2.50	52.00	65.00	2	30	6	3	2	1	4.41	229.32			
A1717	6.60	77	10	97.34	28.89	59.53	41.11	17.28	21.11	19.22	0.00	1.89	4.44	62.22	95.56	1	33	0	3	2	0			6.60	410.65	
A1719	53.82	88	31	51.22	14.50	42.47	30.50	17.92	26.00	4.54	3.19	1.40	4.50	56.50	75.50	1	33	0	3	2	1	53.82	3,040.83			
102.57																					66.47	3,542.07	20.18	1,130.39	15.92	95.52

REMOVALS				Suitable Acreage		Potentially Suitable	Potentially Suitable BA	Future Potential	Future Potential BA
Stand	Fiscal Year	Project Number	Project Name	Removed	Suitable BA Removed	Acreage Removed	Removed	Acreage Removed	Removed
A1716	2010	n/a	Construction Limits for Multi-purpose Machine Gun Range Complex	2.64	137.28				
TOTAL REMOVALS				2.64	137.28	0.00	0.00	0.00	0.00

POST-PROJECT		2010	
Suitable Habitat	Acres	BA	
Potentially Suitable Habitat	63.83	3,404.79	
Future Potential Habitat	20.18	1,130.39	
TOTAL	15.92	95.52	
	99.93	4,630.70	

Key:		
BA= basal area	Type Burn:	Stand Score
dbh= diameter at breast height	0=no data available	0=Unsuitable
hwd= hardwood	1=non-growing season	1=Suitable
hgc= herbaceous ground cover	2=growing season	
Hardwood Midstory:		
1 = low, sparse	10 = Yellow Pine-Upland Hardwood	
2 = low, moderate	21 = Longleaf Pine	
3 = low, dense	31 = Loblolly Pine	
4 = medium, sparse	32 = Shortleaf Pine	
5 = tall, sparse		
6 = medium, moderate		
7 = tall, moderate		
8 = medium, dense		
9 = tall, dense		

Appendix Table H-56. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A17-14a, Alternative A** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																																																
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd. Stems 4-10" dbh	Hwd. Stems 10-14" dbh	Hwd. Stems >14" dbh	Hwd. BA >10" dbh	Pine BA >10" dbh	Total Stand BA (Pines + Hwds)	Hwd. Midstory Height, Density	HGC (%)	% Hwd. Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA																				
A1601	8.24	58	31	6.78	2.50	14.87	11.50	14.54	21.50	4.03	3.38	3.85	9.50	33.00	45.00	1	26	20	3	2	4.14	PS					8.24	271.92																				
A1602	15.92	30	32	56.60	17.00	9.06	6.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00	23.00	1	54	0	3	2	2.66	NH					15.92	95.52																				
A1709	13.58	42	31	82.75	24.00	38.10	26.50	18.23	26.50	5.35	9.22	2.98	11.50	53.00	88.50	2	31	18	3	2	4.18	PS					13.58	719.74																				
A1716	4.41	88	21	32.86	10.50	30.08	22.00	21.29	30.00	1.59	2.25	0.75	2.50	52.00	65.00	2	30	6	3	2	4.43	PS			4.41	229.32																						
A1717	6.60	77	10	97.34	28.89	59.53	41.11	17.28	21.11	19.22	0.00	1.89	4.44	62.22	95.56	1	33	0	3	2	4.27	PS					6.60	410.65																				
A1719	53.82	88	31	51.22	14.50	42.47	30.50	17.92	26.00	4.54	3.19	1.40	4.50	56.50	75.50	1	33	0	3	2	3.90	PS					53.82	3,040.83																				
102.57																																																
																							0.00	0.00																					4.41	229.32	98.16	4,538.66

REMOVALS						
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed
A1716	2010	n/a	Construction Limits for Multi-purpose Machine Gun Range Complex			2.64
TOTAL REMOVALS				0.00	0.00	2.64

POST-PROJECT		
2010		
Suitable Habitat	Acres	BA
	0.00	0.00
Potentially Suitable Habitat	1.77	92.04
Future Potential Habitat	98.16	4,538.66
TOTAL	99.93	4,630.70

Key:		
BA= basal area	Type Burn:	Suitability
dbh= diameter at breast height	0=no data available	CS= currently suitable
hwd= hardwood	1=non-growing season	PS= potentially suitable
hgc= herbaceous ground cover	2=growing season	NH= non-habitat
Hardwood Midstory:		
1 = low, sparse	10 = Yellow Pine-Upland Hardwood	
2 = low, moderate	21 = Longleaf Pine	
3 = low, dense	31 = Loblolly Pine	
4 = medium, sparse	32 = Shortleaf Pine	
5 = tall, sparse		
6 = medium, moderate		
7 = tall, moderate		
8 = medium, dense		
9 = tall, dense		

Appendix Table H-57. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A17-14a, Alternative B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																																
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems >14" dbh	Hwd BA >10" dbh	Pine BA >10" dbh	Total Stand BA (Pines + Hwds)	Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA					
A1601	8.24	58	31	6.78	2.50	14.87	11.50	14.54	21.50	4.03	3.38	3.85	9.50	33.00	45.00	1	26	20	3	2	1	8.24	271.92			15.92	95.52					
A1602	15.92	30	32	56.60	17.00	9.06	6.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00	23.00	1	54	0	3	2	0											
A1709	13.58	42	31	82.75	24.00	38.10	26.50	18.23	26.50	5.35	9.22	2.98	11.50	53.00	88.50	2	31	18	3	2	0			13.58	719.74							
A1716	4.41	88	21	32.86	10.50	30.08	22.00	21.29	30.00	1.59	2.25	0.75	2.50	52.00	65.00	2	30	6	3	2	1	4.41	229.32									
A1717	6.60	77	10	97.34	28.89	59.53	41.11	17.28	21.11	19.22	0.00	1.89	4.44	62.22	95.56	1	33	0	3	2	0			6.60	410.65							
A1719	53.82	88	31	51.22	14.50	42.47	30.50	17.92	26.00	4.54	3.19	1.40	4.50	56.50	75.50	1	33	0	3	2	1	53.82	3,040.83									
102.57																						66.47	3,542.07	20.18	1,130.39	15.92	95.52					

REMOVALS				Suitable Acreage		Potentially Suitable	Potentially Suitable BA	Future Potential	Future Potential
Stand	Fiscal	Project	Project Name	Removed	Suitable BA Removed	Acreage Removed	Removed	Acreage Removed	Removed
A1601	2010	n/a	Construction Limits for Multi-purpose Machine Gun Range Complex	8.24	271.92				
A1602	2010	n/a	Construction Limits for Multi-purpose Machine Gun Range Complex					11.83	70.98
A1709	2010	68733	Multi-purpose Machine Gun Range (MPMG1)			2.39	126.67		
A1709	2010	n/a	Construction Limits for Multi-purpose Machine Gun Range Complex			11.19	593.07		
A1716	2010	68733	Multi-purpose Machine Gun Range (MPMG1)	4.41	229.32				
A1717	2010	68733	Multi-purpose Machine Gun Range (MPMG1)			6.07	377.68		
A1717	2010	n/a	Construction Limits for Multi-purpose Machine Gun Range Complex			0.53	32.98		
A1719	2010	68733	Multi-purpose Machine Gun Range (MPMG1)	26.06	1,472.39				
A1719	2010	n/a	Construction Limits for Multi-purpose Machine Gun Range Complex	27.76	1,568.44				
A1719	2010	n/a	Construction Limits for Multi-purpose Machine Gun Range Complex	66.47	3,542.07	20.18	1,130.39	11.83	70.98
TOTAL REMOVALS									

POST-PROJECT		2010	
Suitable Habitat	Acres	BA	
Potentially Suitable Habitat	0.00	0.00	
Future Potential Habitat	4.09	24.54	
TOTAL	4.09	24.54	

Key:		
BA= basal area	Type Burn:	Stand Score
dbh= diameter at breast height	0=no data available	0=Unsuitable
hwd= hardwood	1=non-growing season	1=Suitable
hgc= herbaceous ground cover	2=growing season	
Hardwood Midstory:	Forest Type:	
1 = low, sparse	10 = Yellow Pine-Upland Hardwood	
2 = low, moderate	21 = Longleaf Pine	
3 = low, dense	31 = Loblolly Pine	
4 = medium, sparse	32 = Shortleaf Pine	
5 = tall, sparse		
6 = medium, moderate		
7 = tall, moderate		
8 = medium, dense		
9 = tall, dense		

Appendix Table H-58. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A17-14a, Alternative B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																												
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems >14" dbh	Hwd BA >10" dbh	Pine BA >10" dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A1601	8.24	58	31	6.78	2.50	14.87	11.50	14.54	21.50	4.03	3.38	3.85	9.50	33.00	45.00	1	26	20	3	2	4.14	PS					8.24	271.92
A1602	15.92	30	32	56.60	17.00	9.06	6.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00	23.00	1	54	0	3	2	2.66	NH					15.92	95.52
A1709	13.58	42	31	82.75	24.00	38.10	26.50	18.23	26.50	5.35	9.22	2.98	11.50	53.00	88.50	2	31	18	3	2	4.18	PS					13.58	719.74
A1716	4.41	88	21	32.86	10.50	30.08	22.00	21.29	30.00	1.59	2.25	0.75	2.50	52.00	65.00	2	30	6	3	2	4.43	PS			4.41	229.32		
A1717	6.60	77	10	97.34	28.89	59.53	41.11	17.28	21.11	19.22	0.00	1.89	4.44	62.22	95.56	1	33	0	3	2	4.27	PS					6.60	410.65
A1719	53.82	88	31	51.22	14.50	42.47	30.50	17.92	26.00	4.54	3.19	1.40	4.50	56.50	75.50	1	33	0	3	2	3.90	PS					53.82	3,040.63
102.57																							0.00	0.00	4.41	229.32	98.16	4,538.66

REMOVALS								Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
Stand	Fiscal Year	Project Number	Project Name										
A1601	2010	n/a	Construction Limits for Multi-purpose Machine Gun Range Complex									8.24	271.92
A1602	2010	n/a	Construction Limits for Multi-purpose Machine Gun Range Complex									11.83	70.98
A1709	2010	68733	Multi-purpose Machine Gun Range (MPMG1)									2.39	126.67
A1709	2010	n/a	Construction Limits for Multi-purpose Machine Gun Range Complex									11.19	593.07
A1716	2010	68733	Multi-purpose Machine Gun Range (MPMG1)							4.41	229.32		
A1717	2010	68733	Multi-purpose Machine Gun Range (MPMG1)									6.07	377.68
A1717	2010	n/a	Construction Limits for Multi-purpose Machine Gun Range Complex									0.53	32.98
A1719	2010	68733	Multi-purpose Machine Gun Range (MPMG1)									26.06	1,472.39
A1719	2010	n/a	Construction Limits for Multi-purpose Machine Gun Range Complex									27.76	1,568.44
TOTAL REMOVALS								0.00	0.00	4.41	229.32	94.07	4,514.12

POST-PROJECT			2010
	Acres	BA	
Suitable Habitat	0.00	0.00	
Potentially Suitable Habitat	0.00	0.00	
Future Potential Habitat	4.09	24.54	
TOTAL	4.09	24.54	

Key:	Type Burn:	Suitability
BA= basal area	0=no data available	CS= currently suitable
dbh= diameter at breast height	1=non-growing season	PS= potentially suitable
hwd= hardwood	2=growing season	NH= non-habitat
hg= herbaceous ground cover		
Hardwood Midstory:	Forest Type:	
1 = low, sparse	10 = Yellow Pine-Upland Hardwood	
2 = low, moderate	21 = Longleaf Pine	
3 = low, dense	31 = Loblolly Pine	
4 = medium, sparse	32 = Shortleaf Pine	
5 = tall, sparse		
6 = medium, moderate		
7 = tall, moderate		
8 = medium, dense		
9 = tall, dense		

Appendix Table H-59. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A17-14b, Alternative B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																					Number of years since last burn		Matrix Stand Score		Potentially Suitable	Potentially Suitable	Future Potential	Future Potential
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems >14" dbh	Hwd BA >10" dbh	Pine BA >10" dbh	Total Stand BA (Pines + Hwds)	Stand Height, Density	HGc (%)	% Hwd Canopy	years	Burn Type	Score	Suitable Acreage	Suitable BA	Suitable Acreage	Suitable BA	Potential Acreage	Potential BA	
A1602	0.64	30	32	56.60	17.00	9.06	6.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00	23.00	1	54	0	3	2	0				0.64	3.84		
A1608	5.37	45	26	23.59	5.56	11.33	8.89	13.77	18.89	0.00	0.00	1.05	1.11	27.78	34.44	1	42	4	3	2	0				5.37	149.18		
A1719	70.89	88	31	51.22	14.50	42.47	30.50	17.92	26.00	4.54	3.19	1.40	4.50	56.50	75.50	1	33	0	3	2	1	70.89	4,005.29					
A1726	12.02	82	26	51.05	17.00	43.07	31.00	15.77	21.50	3.21	2.15	1.72	4.50	52.50	74.00	1	37	6	3	2	1	12.02	631.05					
88.92																					82.91	4,636.34	0.00	0.00	6.01	153.02		

REMOVALS				Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
Stand	Fiscal Year	Project Number	Project Name						
A1602	2010	n/a	Construction Limits for the Multi-purpose Machine Gun Range Complex					0.64	3.84
A1719	2010	68733	Multi-purpose Machine Gun Range (MPMG1)	9.50	536.75				
A1719	2010	n/a	Construction Limits for the Multi-purpose Machine Gun Range Complex	41.25	2,330.63				
A1726	2010	n/a	Construction Limits for the Multi-purpose Machine Gun Range Complex	5.61	294.53				
TOTAL REMOVALS				56.36	3,161.91	0.00	0.00	0.64	3.84

POST-PROJECT		2010	
	Acres	BA	
Suitable Habitat	26.55	1,474.43	
Potentially Suitable Habitat	0.00	0.00	
Future Potential Habitat	5.37	149.18	
TOTAL	31.92	1,623.61	

Key:		
BA= basal area	Type Burn:	Stand Score
dbh= diameter at breast height	0=no data available	0=Unsuitable
hwd= hardwood	1=non-growing season	1=Suitable
hg= herbaceous ground cover	2=growing season	
Hardwood Midstory:		
1 = low, sparse	26 = Mixed Pine-Longleaf	
2 = low, moderate	31 = Loblolly Pine	
3 = low, dense	32 = Shortleaf Pine	
4 = medium, sparse		
5 = tall, sparse		
6 = medium, moderate		
7 = tall, moderate		
8 = medium, dense		
9 = tall, dense		

Appendix Table H-60. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A17-14b, Alternative B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																												
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems >14" dbh	Hwd BA >10" dbh	Pine BA >10" dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A1602	0.64	30	32	56.60	17.00	9.06	6.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00	23.00	1	54	0	3	2	2.66	NH					0.64	3.84
A1608	5.37	45	26	23.59	5.56	11.33	8.89	13.77	18.89	0.00	0.00	1.05	1.11	27.78	34.44	1	42	4	3	2	4.32	PS					5.37	149.18
A1719	70.89	88	31	51.22	14.50	42.47	30.50	17.92	26.00	4.54	3.19	1.40	4.50	56.50	75.50	1	33	0	3	2	3.90	PS					70.89	4,005.29
A1726	12.02	82	26	51.05	17.00	43.07	31.00	15.77	21.50	3.21	2.15	1.72	4.50	52.50	74.00	1	37	6	3	2	4.65	PS					12.02	631.05
88.92																						0.00	0.00	0.00	0.00	88.92	4,789.36	

REMOVALS								
Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A1602	2010	n/a	Construction Limits for the Multi-purpose Machine Gun Range Complex				0.64	3.84
A1719	2010	68733	Multi-purpose Machine Gun Range (MPMG1)				9.50	536.75
A1719	2010	n/a	Construction Limits for the Multi-purpose Machine Gun Range Complex				41.25	2,330.63
A1726	2010	n/a	Construction Limits for the Multi-purpose Machine Gun Range Complex				5.61	294.53
TOTAL REMOVALS			0.00	0.00	0.00	0.00	57.00	3,165.75

POST-PROJECT			2010
Suitable Habitat	Acres	BA	0.000.00
Potentially Suitable Habitat	0.00	0.00	
Future Potential Habitat	31.92	1,623.61	
TOTAL	31.92	1,623.61	

Key:		
BA= basal area	Type Burn:	Suitability
dbh= diameter at breast height	0=no data available	CS= currently suitable
hwd= hardwood	1=non-growing season	PS= potentially suitable
hgc= herbaceous ground cover	2=growing season	NH= non-habitat
Hardwood Midstory:		
1 = low, sparse	Forest Type:	
2 = low, moderate	26 = Mixed Pine-Longleaf	
3 = low, dense	31 = Loblolly Pine	
4 = medium, sparse	32 = Shortleaf Pine	
5 = tall, sparse		
6 = medium, moderate		
7 = tall, moderate		
8 = medium, dense		
9 = tall, dense		

Appendix Table H-61. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A20-04, Alternatives A and B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																					Forested Acreage							
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems >14" dbh	Hwd BA >10" dbh	Pine BA >10" dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	(within A20 Impact Area)	Future Potential Acreage	Future Potential BA
A0522	23.91	57	21	31.66	10.50	21.32	14.50	6.72	8.50	25.74	1.57	0.32	1.50	23.00	35.00	4	10	6	3	1	0						23.91	549.93
A0523	20.97	58	21	11.51	3.16	37.93	27.37	17.89	23.16	9.18	0.95	1.36	2.63	50.53	56.32	1	13	4	3	1	1	20.97	1,059.61					
A0525	26.79	61	31	151.03	39.00	33.88	22.50	2.57	3.50	0.00	0.61	0.00	0.50	26.00	65.50	4	25	0	3	1	0					26.79	696.54	
A0527	49.25	56	26	32.89	10.00	29.64	21.50	19.03	27.50	9.91	2.09	0.81	2.50	49.00	61.50	5	22	0	3	1	0			49.25	2,413.25			
A0530	10.33	63	31	20.57	5.00	17.03	11.67	12.15	18.33	11.81	1.53	1.15	2.50	30.00	37.50	6	27	0	3	1	0			10.33	309.90			
A0531	4.26	63	31	4.74	2.00	38.81	28.00	25.14	36.00	33.15	10.31	2.80	12.00	64.00	78.00	7	12	0	3	1	0			4.26	272.64			
A0601	11.52	57	31	20.77	5.50	14.19	10.50	10.57	15.50	3.70	1.73	0.61	2.00	26.00	33.50	1	21	0	3	1	0					11.52	299.52	
A0606	10.32	54	26	24.46	6.00	29.49	21.50	12.53	20.00	8.68	0.00	1.80	4.00	41.50	51.50	5	24	0	3	1	0			10.32	428.28			
A2001	155.36	80	25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					155.36		
A2001	16.76	80	25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00		
329.47																						20.97	1,059.61	74.16	3,424.07	155.36	62.22	1,545.99
REMOVALS																					Forested Acreage							
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed		Suitable BA Removed		Potentially Suitable Acreage Removed		Potentially Suitable BA Removed		Forested Acreage (within A20 Impact Area) Removed		Future Potential Acreage Removed		Future Potential BA Removed												
A0523	2010	65557	Repair Existing Training Area Roads, Phase 1	2.50		126.33																						
A0527	2010	65557	Repair Existing Training Area Roads, Phase 1					3.97		194.53																		
A0601	2010	65557	Repair Existing Training Area Roads, Phase 1											1.91		49.66												
TOTAL REMOVALS				2.50		126.33		3.97		194.53		0.00		1.91		49.66												
POST-PROJECT				2009																								
Suitable Habitat				Acres	BA																							
Potentially Suitable Habitat				70.19	3,229.54																							
Forested Acreage				155.36	0.00																							
Future Potential Habitat				60.31	1,496.33																							
TOTAL				304.33	5,659.15																							
Key:																												
BA= basal area				Type Burn:																								
dbh= diameter at breast height				0= no data available																								
hwd= hardwood				1= non-growing season																								
hgcs= herbaceous ground cover				2= growing season																								
Hardwood Midstory:				Forest Type:																								
1 = low, sparse				21 = Longleaf Pine																								
2 = low, moderate				25 = Mixed Pine																								
3 = low, dense				26 = Mixed Pine-Longleaf																								
4 = medium, sparse				31 = Loblolly Pine																								
5 = tall, sparse																												
6 = medium, moderate																												
7 = tall, moderate																												
8 = medium, dense																												
9 = tall, dense																												
Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003).																												
This habitat was not counted towards the total foraging habitat available within the																												

Appendix Table H-61. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A20-04, Alternatives A and B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																							Forested Acreage																									
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems >14" dbh	Hwd BA >10" dbh	Pine BA >10" dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	(within A20 Impact Area)	Future Potential Acreage	Future Potential BA																				
A0522	23.91	57	21	31.66	10.50	21.32	14.50	6.72	8.50	25.74	1.57	0.32	1.50	23.00	35.00	4	10	6	3	1	0						23.91	549.93																				
A0523	20.97	58	21	11.51	3.16	37.93	27.37	17.89	23.16	9.18	0.95	1.36	2.63	50.53	56.32	1	13	4	3	1	1	20.97	1,059.61																									
A0525	26.79	61	31	151.03	39.00	33.88	22.50	2.57	3.50	0.00	0.61	0.00	0.50	26.00	65.50	4	25	0	3	1	0						26.79	696.54																				
A0527	49.25	56	26	32.89	10.00	29.64	21.50	19.03	27.50	9.91	2.09	0.81	2.50	49.00	61.50	5	22	0	3	1	0			49.25	2,413.25																							
A0530	10.33	63	31	20.57	5.00	17.03	11.67	12.15	18.33	11.81	1.53	1.15	2.50	30.00	37.50	6	27	0	3	1	0			10.33	309.90																							
A0531	4.26	63	31	4.74	2.00	38.81	28.00	25.14	36.00	33.15	10.31	2.80	12.00	64.00	78.00	7	12	0	3	1	0			4.26	272.64																							
A0601	11.52	57	31	20.77	5.50	14.19	10.50	10.57	15.50	3.70	1.73	0.61	2.00	26.00	33.50	1	21	0	3	1	0					11.52	299.52																					
A0606	10.32	54	26	24.46	6.00	29.49	21.50	12.53	20.00	8.68	0.00	1.80	4.00	41.50	51.50	5	24	0	3	1	0			10.32	428.28																							
A2001	155.36	80	25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					155.36																						
A2001	16.76	80	25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00																						
329.47																																										20.97	1,059.61	74.16	3,424.07	155.36	62.22	1,545.99

REMOVALS										Forested Acreage						
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Forested Acreage (within A20 Impact Area) Removed	Future Potential Acreage Removed	Future Potential BA Removed						
A0523	2010	65557	Repair Existing Training Area Roads, Phase 1	2.50	126.33											
A0527	2010	65557	Repair Existing Training Area Roads, Phase 1			3.97	194.53									
A0601	2010	65557	Repair Existing Training Area Roads, Phase 1						1.91	49.66						
TOTAL REMOVALS				2.50	126.33	3.97	194.53	0.00	1.91	49.66						

POST-PROJECT			2009
	Acres	BA	
Suitable Habitat	18.47	933.28	
Potentially Suitable Habitat	70.19	3,229.54	
Forested Acreage	155.36	0.00	
Future Potential Habitat	60.31	1,496.33	
TOTAL	304.33	5,659.15	

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
25 = Mixed Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003)
This habitat was not counted towards the total foraging habitat available within the

Appendix Table H-63. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A20-06, Alternative A** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																											
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine Stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems >14" dbh	Hwd BA >10" dbh	Pine BA >10" dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A0708	0.20	73	21	23.62	6.00	12.48	8.50	12.47	20.50	3.84	2.34	0.70	2.50	29.00	37.50	1	41	11	3	2	0					0.20	5.80
A0709	29.08	54	31	31.84	9.47	20.81	15.26	9.63	13.16	8.74	0.00	2.04	4.21	28.42	42.11	1	22	6	3	2	0					29.08	826.45
A0711	12.32	49	26	34.26	10.00	29.29	20.00	10.07	14.00	7.44	0.00	0.23	0.50	34.00	44.50	1	43	1	3	1	1	12.32	418.88				
A0720	0.56	39	31	23.87	8.00	31.91	22.50	12.73	17.00	0.00	0.00	0.00	0.00	39.50	47.50	1	42	0	3	1	1	0.56	22.12				
A0723	21.23	84	31	25.05	8.42	25.04	17.37	5.75	9.47	1.91	0.00	0.81	1.05	26.84	36.32	1	33	3	3	1	0					21.23	569.81
A0725	32.84	50	31	8.28	2.50	16.40	12.50	16.80	28.50	3.67	2.58	1.65	4.50	41.00	48.00	2	34	11	3	1	1	32.84	1,346.44				
A0804	75.83	57	21	31.74	9.00	15.09	10.50	17.29	24.50	5.29	1.09	1.41	3.50	35.00	47.50	1	30	7	3	1	1	75.83	2,654.05				
pp547*	0.46	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.46	0.00
172.52																						121.55	4,441.49	0.00	0.00	50.97	1,402.06

REMOVALS									
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A0711	2010	65557	Repair Existing Training Area Roads, Phase 1	1.73	58.82				
A0725	2010	65557	Repair Existing Training Area Roads, Phase 1	1.85	75.85				
pp547*	2010	65557	Repair Existing Training Area Roads, Phase 1			0.46		0.00	
TOTAL REMOVALS				3.58	134.67	0.00	0.00	0.46	0.00

POST-PROJECT		
	2010 Acres	BA
Suitable Habitat	117.97	4,306.82
Potentially Suitable Habitat	0.00	0.00
Future Potential Habitat	50.51	1,402.06
TOTAL	168.48	5,708.88

Key:		
BA = basal area	Type Burn:	Stand Score
dbh = diameter at breast height	0=no data available	0=Unsuitable
hwd = hardwood	1=non-growing season	1=Suitable
hgc = herbaceous ground cover	2=growing season	
Hardwood Midstory:		
1 = low, sparse		Forest Type:
2 = low, moderate		21 = Longleaf Pine
3 = low, dense		21P= Longleaf Pine Plantation
4 = medium, sparse		26 = Mixed Pine-Longleaf
5 = tall, sparse		31 = Loblolly Pine
6 = medium, moderate		
7 = tall, moderate		
8 = medium, dense		
9 = tall, dense		
* Note: No pine data was collected for pine plantation stands less than 30 years old.		

Appendix Table H-64. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A20-06, Alternative A** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																																																	
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems >14" dbh	Hwd BA > 10" dbh	Pine BA > 10" dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA																					
A0708	0.20	73	21	23.62	6.00	12.48	8.50	12.47	20.50	3.84	2.34	0.70	2.50	29.00	37.50	1	41	11	3	2	4.52	PS					0.20	5.80																					
A0709	29.08	54	31	31.84	9.47	20.81	15.26	9.63	13.16	8.74	0.00	2.04	4.21	28.42	42.11	1	22	6	3	2	3.95	PS					29.08	826.45																					
A0711	12.32	49	26	34.26	10.00	29.29	20.00	10.07	14.00	7.44	0.00	0.23	0.50	34.00	44.50	1	43	1	3	1	3.87	PS					12.32	418.32																					
A0720	0.56	39	31	23.87	8.00	31.91	22.50	12.73	17.00	0.00	0.00	0.00	0.00	39.50	47.50	1	42	0	3	1	3.92	PS					0.56	22.12																					
A0723	21.23	84	31	25.05	8.42	25.04	17.37	5.75	9.47	1.91	0.00	0.81	1.05	26.84	36.32	1	33	3	3	1	3.71	PS					21.23	569.81																					
A0725	32.84	50	31	8.28	2.50	16.40	12.50	16.80	28.50	3.67	2.58	1.65	4.50	41.00	48.00	2	34	11	3	1	4.39	PS					32.84	1,346.44																					
A0804	75.83	57	21	31.74	9.00	15.09	10.50	17.29	24.50	5.29	1.09	1.41	3.50	35.00	47.50	1	30	7	3	1	4.38	PS					75.83	2,654.05																					
pp547*	0.46	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH					0.46	0.00																					
172.52																							0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	172.52	5,843.55

REMOVALS							Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
Stand	Fiscal Year	Project Number	Project Name									
A0711	2010	65557	Repair Existing Training Area Roads, Phase 1								1.73	58.82
A0725	2010	65557	Repair Existing Training Area Roads, Phase 1								1.85	75.85
pp547*	2010	65557	Repair Existing Training Area Roads, Phase 1								0.46	0.00
TOTAL REMOVALS							0.00	0.00	0.00	0.00	4.04	134.67

POST-PROJECT			2009	
	Acres		BA	
Suitable Habitat	0.00		0.00	
Potentially Suitable Habitat	0.00		0.00	
Future Potential Habitat	168.48		5,708.88	
TOTAL	168.48		5,708.88	

Key:	Type Burn:	Suitability
BA= basal area	0=no data available	CS= currently suitable
dbh= diameter at breast height	1=non-growing season	PS= potentially suitable
hwd= hardwood	2=growing season	NH= non-habitat
hgc= herbaceous ground cover		
Hardwood Midstory:	Forest Type:	
1 = low, sparse	21 = Longleaf Pine	
2 = low, moderate	21P= Longleaf Pine Plantation	
3 = low, dense	26 = Mixed Pine-Longleaf	
4 = medium, sparse	31 = Loblolly Pine	
5 = tall, sparse		
6 = medium, moderate		
7 = tall, moderate		
8 = medium, dense		
9 = tall, dense		
* Note: No pine data was collected for pine plantation stands less than 30 years old.		

Appendix Table H-65. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A20-06, Alternative B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																												
Stand	Acres	Pine Age	Forest Type	Pine Stems 4- 10" dbh	Pine BA 4- 10" dbh	Pine Stems 10- 14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd. Stems 4- 10" dbh	Hwd. Stems 10- 14" dbh	Hwd. Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10" dbh	Total Stand BA (Pines + Hwds)	Hwd. Midstory Height, Density	HGC (%)	% Hwd. Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA	
A0708	0.20	73	21	23.62	6.00	12.48	8.50	12.47	20.50	3.84	2.34	0.70	2.50	29.00	37.50	1	41	11	3	2	0					0.20	5.80	
A0709	29.08	54	31	31.84	9.47	20.81	15.26	9.63	13.16	8.74	0.00	2.04	4.21	28.42	42.11	1	22	6	3	2	0					29.08	826.45	
A0711	12.32	49	26	34.26	10.00	29.29	20.00	10.07	14.00	7.44	0.00	0.23	0.50	34.00	44.50	1	43	1	3	1	1	12.32	418.88					
A0720	0.56	39	31	23.87	8.00	31.91	22.50	12.73	17.00	0.00	0.00	0.00	0.00	39.50	47.50	1	42	0	3	1	1	0.56	22.12					
A0723	21.23	84	31	25.05	8.42	25.04	17.37	5.75	9.47	1.91	0.00	0.81	1.05	26.84	36.32	1	33	3	3	1	0					21.23	569.81	
A0725	32.84	50	31	8.28	2.50	16.40	12.50	16.80	28.50	3.67	2.58	1.65	4.50	41.00	48.00	2	34	11	3	1	1	32.84	1,346.44					
A0804	75.83	57	21	31.74	9.00	15.09	10.50	17.29	24.50	5.29	1.09	1.41	3.50	35.00	47.50	1	30	7	3	1	1	75.83	2,654.05					
pp547*	0.46	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.46	0.00	
172.52																							121.55	4,441.49	0.00	0.00	50.97	1,402.06

REMOVALS									
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A0711	2010	65557	Repair Existing Training Area Roads, Phase 1	1.73	58.82				
A0711	2010	65079	Access Road for Automated Combat Pistol Qual Course	1.89	64.26				
A0723	2010	65079	Automated Combat Pistol Qual Course					0.94	25.23
A0723	2010	65079	Construction Limits for Automated Combat Pistol Qual Course					7.63	204.79
A0725	2010	65557	Repair Existing Training Area Roads, Phase 1	1.85	75.85				
A0725	2010	65079	Access Road for Automated Combat Pistol Qual Course	1.68	68.88				
A0725	2010	65079	Construction Limits for Automated Combat Pistol Qual Course	4.52	185.32				
A0804	2010	65079	Construction Limits for Automated Combat Pistol Qual Course	0.07	2.45				
A0804	2010	65079	Beaten Area for Automated Combat Pistol Qual Course	8.72	305.20				
pp547*	2010	65557	Repair Existing Training Area Roads, Phase 1					0.46	0.00
TOTAL REMOVALS				20.46	760.78	0.00	0.00	9.03	230.02

Key:

BA = basal area
dbh = diameter at breast height
hwd = hardwood
hgc = herbaceous ground cover

Hardwood Midstory:

1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:

21 = Longleaf Pine
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine

Stand Score

0=no data available
0=Unsuitable
1=non-growing season
1=Suitable
2=growing season

POST-PROJECT

2010

Suitable Habitat

101.09

Potentially Suitable Habitat

0.00

Future Potential Habitat

41.94

TOTAL

143.03

BA

3,680.71

1,172.04

4,852.75

Appendix Table H-66. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A20-06, Alternative B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																												
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems >14" dbh	Hwd BA >10" dbh	Pine BA >10" dbh	Total Stand BA (Pines + Hwds)	Midstory Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A0708	0.20	73	21	23.62	6.00	12.48	8.50	12.47	20.50	3.84	2.34	0.70	2.50	29.00	37.50	1	41	11	3	2	4.52	PS					0.20	5.80
A0709	29.08	54	31	31.84	9.47	20.81	15.26	9.63	13.16	8.74	0.00	2.04	4.21	28.42	42.11	1	22	6	3	2	3.95	PS					29.08	826.45
A0711	12.32	49	26	34.26	10.00	29.29	20.00	10.07	14.00	7.44	0.00	0.23	0.50	34.00	44.50	1	43	1	3	1	3.87	PS					12.32	418.88
A0720	0.56	39	31	23.87	8.00	31.91	22.50	12.73	17.00	0.00	0.00	0.00	0.00	39.50	47.50	1	42	0	3	1	3.92	PS					0.56	22.12
A0723	21.23	84	31	25.05	8.42	25.04	17.37	5.75	9.47	1.91	0.00	0.81	1.05	26.84	36.32	1	33	3	3	1	3.71	PS					21.23	569.81
A0725	32.84	50	31	8.28	2.50	16.40	12.50	16.80	28.50	3.67	2.58	1.65	4.50	41.00	48.00	2	34	11	3	1	4.39	PS					32.84	1,346.44
A0804	75.83	57	21	31.74	9.00	15.09	10.50	17.29	24.50	5.29	1.09	1.41	3.50	35.00	47.50	1	30	7	3	1	4.38	PS					75.83	2,654.05
pp547*	0.46	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH					0.46	0.00
172.52																							0.00	0.00	0.00	0.00	172.52	5,843.55

REMOVALS								
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A0711	2010	65557	Repair Existing Training Area Roads, Phase 1				1.73	58.82
A0711	2010	65079	Access Road for Automated Combat Pistol Qual Course				1.89	64.26
A0723	2010	65079	Automated Combat Pistol Qual Course				0.94	25.23
A0723	2010	65079	Construction Limits for Automated Combat Pistol Qual Course				7.63	204.79
A0725	2010	65557	Repair Existing Training Area Roads, Phase 1				1.85	75.85
A0725	2010	65079	Access Road for Automated Combat Pistol Qual Course				1.68	68.88
A0725	2010	65079	Construction Limits for Automated Combat Pistol Qual Course				4.52	185.32
A0804	2010	65079	Construction Limits for Automated Combat Pistol Qual Course				0.07	2.45
A0804	2010	65079	Beaten Area for Automated Combat Pistol Qual Course				8.72	305.20
pp547*	2010	65557	Repair Existing Training Area Roads, Phase 1				0.46	0.00
TOTAL REMOVALS				0.00	0.00	0.00	29.49	990.80

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
21P= Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine

* Note: No pine data was collected for pine plantation stands less than 30 years old.

POST-PROJECT		
	2009	
Suitable Habitat	Acres	BA
	0.00	0.00
Potentially Suitable Habitat	0.00	0.00
Future Potential Habitat	143.03	4,852.75
TOTAL	143.03	4,852.75

Appendix Table H-67. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluste **BB03-01R, Alternatives A and B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																						Number of years since last burn		Matrix Stand Score		Suitable Acreage		Suitable BA		Potentially Suitable Acreage		Potentially Suitable BA		Future Acreage		Future Potential BA	
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems >14" dbh	Hwd BA >10" dbh	Pine BA >10" dbh	Total Stand BA (Pines + Hwds)	Hwd Midstor v Height	HGC (%)	% Hwd Canopy	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Acreage	Future Potential BA											
BB0301	0.29	56	10	16.97	5.56	7.61	5.56	9.17	13.89	31.56	18.43	8.28	26.11	19.44	51.11	6	21	61	3	1	0				0.00	0.00											
BB0311	21.27	20	31P	87.02	26.50	6.96	4.00	0.47	0.50	6.88	0.71	0.00	0.50	4.50	31.50	4	30	9	3	1	0				21.27	95.72											
BB0315	2.49	85	13	10.31	3.33	3.91	3.33	27.01	43.33	58.47	21.68	6.73	26.67	46.67	76.67	7	3	48	3	1	0			2.49	116.21												
BB0317	13.94	89	31	4.23	1.33	0.88	0.67	14.95	28.00	11.22	12.58	3.76	16.00	28.67	46.00	6	9	51	3	2	0				13.94	399.66											
BB0318	24.91	79	13	4.59	1.00	3.19	2.00	13.38	27.00	34.84	10.96	7.03	20.00	29.00	50.00	2	8	52	3	1	0				24.91	722.39											
BB0320	11.89	85	31	5.72	2.00	0.54	0.50	12.82	23.50	8.35	1.70	1.16	3.00	24.00	29.00	3	30	18	3	2	0				11.89	285.36											
BB0321	19.03	89	21	6.13	2.50	16.85	12.50	15.77	22.00	3.61	0.00	0.40	1.00	34.50	38.00	1	20	1	3	2	1	19.03	656.54														
BB0323	5.83	66**	26**	26.79	8.00	5.04	3.50	5.17	7.00	39.89	15.98	4.94	18.50	10.50	37.00	5	14	67	3	1	0				0.00	0.00											
BB0330	1.84	62	13	0.00	0.00	5.18	5.00	23.98	45.00	122.03	0.00	0.00	0.00	50.00	50.00	7	0	0	3	2	0			1.84	92.00												
BB0331	6.56	89	21	12.26	4.00	20.19	15.00	10.86	14.50	17.52	4.93	3.19	8.50	29.50	42.00	1	14	21	3	2	0				6.56	193.52											
BB0336	3.23	37	22U	14.41	5.00	16.17	10.50	0.94	1.00	0.00	0.00	0.00	0.00	11.50	16.50	1	40	0	3	2	0				3.23	37.15											
BB0337	2.22	62	31	0.00	0.00	61.71	43.33	8.27	10.00	0.00	0.00	0.00	0.00	53.33	53.33	6	13	0	3	2	0			2.22	118.39												
BB0401	2.37	61	25	55.22	15.71	26.68	18.57	11.35	17.14	6.72	15.08	2.47	15.71	35.71	67.14	2	23	32	3	1	1	0.00	0.00														
BB0411	5.85	61	31	107.60	27.14	26.22	17.14	0.00	0.00	14.99	2.29	1.30	2.86	17.14	47.14	1	20	12	3	1	0				0.00	0.00											
BB0419	4.56	58	31	36.62	9.47	31.35	22.63	12.14	16.84	10.96	11.13	4.53	15.26	39.47	64.21	1	13	26	3	1	1	0.00	0.00														
BB0424	4.45	68	26	42.00	13.00	22.44	16.00	21.17	32.50	6.39	2.96	1.83	4.50	48.50	66.00	2	15	10	3	1	1	4.45	215.83														
BB0425	2.40	49	22P	88.51	26.00	26.97	18.00	2.93	4.00	13.37	2.04	0.00	1.50	22.00	49.50	2	12	6	3	1	0				2.40	52.80											
P0314	33.02	53	10	22.03	5.63	21.47	15.00	17.33	25.63	51.26	11.00	5.94	15.63	40.63	61.88	7	8	30	3	2	0			0.00	0.00												
P0317	3.42	20	31P	185.79	60.00	28.39	17.14	0.00	0.00	16.60	0.00	0.00	0.00	17.14	77.14	5	19	0	3	2	0				0.00	0.00											
P0320	8.47	20	31P	201.40	53.00	8.36	5.00	0.00	0.00	0.00	0.00	0.00	0.00	5.00	58.00	1	16	0	3	2	0				0.00	0.00											
pp530*	0.29	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0				0.00	0.00											
pp754*	0.36	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0				0.00	0.00											
pp755*	15.62	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0				15.62	0.00											
pp876*	8.85	3	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0				0.00	0.00											
pp877*	2.51	3	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0				0.00	0.00											
pp878*	0.78	3	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0				0.78	0.00											
206.45																						23.48	872.37	6.55	326.60	100.60	1,786.60										

REMOVALS		Fiscal Year		Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
BB0315	2010	65557	Repair Existing Training Area Roads, Phase 1					0.48		22.40	
BB0320	2010	65557	Repair Existing Training Area Roads, Phase 1							4.35	104.40
BB0321	2010	65557	Repair Existing Training Area Roads, Phase 1			0.24	8.28				
BB0331	2010	65557	Repair Existing Training Area Roads, Phase 1							1.20	35.40
BB0336	2010	65557	Repair Existing Training Area Roads, Phase 1							1.47	16.91
BB0424	2010	65557	Repair Existing Training Area Roads, Phase 1			0.31	15.04			1.36	29.92
BB0425	2010	65557	Repair Existing Training Area Roads, Phase 1							0.05	0.00
pp878*	2010	65557	Repair Existing Training Area Roads, Phase 1								
TOTAL REMOVALS						0.55	23.32	0.48		22.40	186.63

POST-PROJECT

	2010
Suitable Habitat	22.93
Potentially Suitable Habitat	6.07
Future Potential Habitat	92.17
TOTAL	121.17

2010

Acres	BA
22.93	849.05
6.07	304.20
92.17	1,999.97
TOTAL	121.17

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:

0= no data available
1= non-growing season
2= growing season

Hardwood Midstory:

1= low, sparse
2= low, moderate
3= low, dense
4= medium, sparse
5= tall, sparse
6= medium, moderate
7= tall, moderate
8= medium, dense
9= tall, dense

Forest Type:

10= Yellow Pine-Upland Hardwood
13= Loblolly Pine-Hardwood
21= Longleaf Pine
21P= Longleaf Pine Plantation
22P= Slash Pine Plantation
22U= Slash Pine Underplanted
25= Mixed Pine
26= Mixed Pine-Longleaf
31= Loblolly Pine
31P= Loblolly Pine Plantation
66**= Oak-Hickory (managed for hardwoods)

* Note: No pine data was collected for pine plantation stands less than 30 years old.
Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Appendix Table H-68. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **BB03-01R, Alternatives A and B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																												
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine Stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems >14" dbh	Hwd BA >10" dbh	Pine BA >10" dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
BB0301	0.29	56	10	16.97	5.56	7.61	5.56	9.17	13.89	31.56	18.43	8.28	26.11	19.44	51.11	6	21	61	3	1	3.03	PS					0.00	0.00
BB0311	21.27	20	31P	87.02	26.50	6.96	4.00	0.47	0.50	6.88	0.71	0.00	0.50	4.50	31.50	4	30	9	3	1	2.27	NH					21.27	95.72
BB0315	2.49	85	13	10.31	3.33	3.91	3.33	27.01	43.33	58.47	21.68	6.73	26.67	46.67	76.67	7	3	48	3	1	3.79	PS			2.49	116.21		
BB0317	13.94	89	31	4.23	1.33	0.88	0.67	14.95	28.00	11.22	12.58	3.76	16.00	28.67	46.00	6	9	51	3	2	3.80	PS					13.94	399.66
BB0318	24.91	79	13	4.59	1.00	3.19	2.00	13.38	27.00	34.84	10.96	7.03	20.00	29.00	50.00	2	8	52	3	1	3.88	PS					24.91	722.39
BB0320	11.89	85	31	5.72	2.00	0.54	0.50	12.82	23.50	8.35	1.70	1.16	3.00	24.00	29.00	3	30	18	3	2	4.03	PS					11.89	285.36
BB0321	19.03	89	61	5.13	2.50	16.85	12.50	15.77	22.00	3.61	0.00	0.40	1.00	34.50	38.00	1	20	1	3	2	4.18	PS					19.03	656.54
BB0323	5.83	64	66**	26.79	8.00	5.04	3.50	5.17	7.00	39.89	15.98	4.94	18.50	10.50	37.00	5	14	67	3	1	2.90	PS					0.00	0.00
BB0330	1.84	62	13	0.00	0.00	5.18	5.00	23.98	45.00	122.03	0.00	0.00	0.00	50.00	50.00	7	0	0	3	2	3.94	PS			1.84	92.00		
BB0331	6.56	89	21	12.26	4.00	20.19	15.00	10.86	14.50	17.52	4.93	3.19	8.50	29.50	42.00	1	14	21	3	2	3.70	PS					6.56	193.52
BB0336	3.23	37	22U	14.41	5.00	16.17	10.50	0.94	1.00	0.00	0.00	0.00	0.00	11.50	16.50	1	40	0	3	2	2.80	PS					3.23	37.15
BB0337	2.22	62	31	0.00	0.00	61.71	43.33	8.27	10.00	0.00	0.00	0.00	0.00	53.33	53.33	6	13	0	3	2	3.10	PS					2.22	118.39
BB0401	2.37	61	25	55.22	15.71	26.68	18.57	11.35	17.14	6.72	15.08	2.47	15.71	35.71	67.14	2	23	32	3	1	3.76	PS					0.00	0.00
BB0411	5.85	61	31	107.60	27.14	26.22	17.14	0.00	0.00	14.99	2.29	1.34	0.00	17.14	47.14	1	20	12	3	1	2.84	PS					0.00	0.00
BB0419	4.56	58	31	36.62	9.47	31.35	22.63	12.14	16.84	10.96	11.13	4.53	15.26	39.47	64.21	1	13	26	3	1	3.56	PS					0.00	0.00
BB0424	4.45	68	26	42.00	13.00	22.44	16.00	21.17	32.50	6.39	2.96	1.83	4.50	48.50	66.00	2	15	10	3	1	4.15	PS			4.45	215.83		
BB0425	2.40	49	22P	88.51	26.00	26.97	18.00	2.93	4.00	13.37	2.04	0.00	1.50	22.00	49.50	2	12	6	3	1	2.51	PS					2.40	52.80
P0314	33.02	53	10	22.03	5.63	21.47	15.00	17.33	25.63	51.26	11.00	5.94	15.63	40.63	61.88	7	8	30	3	2	3.64	PS					33.02	1,341.60
P0317	3.42	20	31P	185.79	60.00	28.39	17.14	0.00	0.00	16.60	0.00	0.00	0.00	17.14	77.14	5	19	0	3	2	2.08	NH					3.42	58.62
P0320	8.47	20	31P	201.40	53.00	8.36	5.00	0.00	0.00	0.00	0.00	0.00	0.00	5.00	58.00	1	16	0	3	2	2.31	NH					8.47	42.35
pp530*	0.29	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
pp754*	0.36	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
pp755*	15.62	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					15.62	0.00
pp876*	8.85	3	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
pp877*	2.51	3	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
pp878*	0.78	3	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0.00	NH					0.78	0.00
206.45																							0.00	0.00	8.78	424.04	166.76	4,004.10

REMOVALS									
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
BB0315	2010	65557	Repair Existing Training Area Roads, Phase 1			0.48	22.40	4.35	104.40
BB0320	2010	65557	Repair Existing Training Area Roads, Phase 1					0.24	8.28
BB0331	2010	65557	Repair Existing Training Area Roads, Phase 1					1.20	35.40
BB0336	2010	65557	Repair Existing Training Area Roads, Phase 1					1.47	16.91
BB0424	2010	65557	Repair Existing Training Area Roads, Phase 1			0.31	15.04	1.36	29.92
BB0425	2010	65557	Repair Existing Training Area Roads, Phase 1					0.05	0.00
pp878*	2010	65557	Repair Existing Training Area Roads, Phase 1					8.67	194.91
TOTAL REMOVALS				0.00	0.00	0.79	37.44	8.67	194.91

POST-PROJECT		
	2010 Acres	BA 0.00
Suitable Habitat	7.99	386.60
Potentially Suitable Habitat	158.09	3,809.19
Future Potential Habitat	166.08	4,195.79
TOTAL		

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

POST-PROJECT		
	2010	BA
Suitable Habitat	0.00	0.00
Potentially Suitable Habitat	7.99	386.60
Future Potential Habitat	158.09	3,809.19
TOTAL	166.08	4,195.79

Appendix Table H-69. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Clus **BB04-01R, Alternatives A and B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																											
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems >14" dbh	Hwd BA >10" dbh	Pine BA >10" dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A0613	14.55	57	21	31.05	8.00	30.23	22.00	17.93	24.00	5.42	1.31	0.22	1.50	46.00	55.50	1	14	3	3	2	1	14.55	669.30			3.75	43.13
BB0336	3.75	37	22U	14.41	5.00	16.17	10.50	0.94	1.00	0.00	0.00	0.00	0.00	11.50	16.50	1	40	0	3	2	0						
BB0337	0.11	62	31	0.00	0.00	61.71	43.33	8.27	10.00	0.00	0.00	0.00	0.00	53.33	53.33	6	13	0	3	2	0			0.11	5.87		
BB0407	1.37	53	31	3.06	1.00	11.62	7.50	20.50	41.00	66.27	23.12	4.18	21.00	48.50	70.50	7	11	46	3	1	0			1.37	66.45		
BB0411	9.91	61	31	107.60	27.14	26.22	17.14	0.00	0.00	14.99	2.29	1.30	2.86	17.14	47.14	1	20	12	3	1	0					9.91	169.86
BB0419	19.40	58	31	36.62	9.47	31.35	22.63	12.14	16.84	10.96	11.13	4.53	15.26	39.47	64.21	1	13	26	3	1	1	19.40	765.72				
BB0422	7.81	61	21	44.10	11.50	18.46	12.50	13.12	18.50	22.91	4.61	1.73	5.00	31.00	47.50	1	25	17	3	1	1	7.81	242.11				
BB0424	13.22	68	26	42.00	13.00	22.44	16.00	21.17	32.50	6.39	2.96	1.83	4.50	48.50	66.00	2	15	10	3	1	1	13.22	641.17				
BB0425	11.77	49	22P	88.51	26.00	26.97	18.00	2.93	4.00	13.37	2.04	0.00	1.50	22.00	49.50	2	12	6	3	1	0					11.77	258.94
BB0434	0.18	44	26P	71.25	15.00	71.90	52.50	34.21	50.00	17.85	0.00	0.00	0.00	102.50	117.50	1	15	0	3	1	0			0.18	18.45		
BB0435	0.58	44	10	116.62	35.00	23.49	16.67	6.82	10.00	21.54	2.31	1.98	5.00	26.67	66.67	5	10	12	3	1	0					0.58	15.47
BB0436	10.92	83	31	41.95	11.00	14.02	10.50	11.27	19.00	8.80	6.18	7.56	17.00	29.50	57.50	1	11	35	3	1	0					10.92	322.14
BB0437	10.85	83	21	10.48	2.50	7.20	5.50	23.02	37.00	4.49	2.44	0.83	2.50	42.50	47.50	1	26	10	3	1	1	10.85	461.13				
BB0439	10.00	68	26	24.41	7.00	18.76	12.50	18.21	27.00	17.27	4.23	3.31	8.00	39.50	54.50	1	20	17	3	1	1	10.00	395.00				
BB0442	26.68	59	26	40.10	11.50	22.87	16.50	13.42	19.50	6.01	0.58	3.50	7.00	36.00	54.50	1	13	10	3	1	1	26.68	960.48				
BB0443	2.36	59	22P	114.97	40.00	132.51	85.00	0.00	0.00	0.00	0.00	0.00	0.00	85.00	125.00	1	25	0	3	1	0			2.36	200.60		
HCC10	0.09	77	21	8.69	2.00	11.19	8.00	12.45	19.50	8.63	0.00	1.05	2.00	27.50	31.50	6	31	4	3	1	0					0.00	0.00
pp531*	0.35	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.35	0.00
143.90																						102.51	4,134.91	4.02	291.37	37.28	809.54

REMOVALS									
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A0613	2010	65557	Repair Existing Training Area Roads, Phase 1	7.21	331.66				
BB0336	2010	65557	Repair Existing Training Area Roads, Phase 1					1.60	18.40
BB0425	2010	65557	Repair Existing Training Area Roads, Phase 1					2.43	53.46
BB0439	2010	65557	Repair Existing Training Area Roads, Phase 1						
TOTAL REMOVALS				7.48	342.33	0.00	0.00	4.03	71.86

POST-PROJECT				2010 SUB-TOTAL		non-contiguous habitat		2010 TOTAL	
Suitable Habitat	Acres	BA		95.03	3,792.58	7.34	337.64	87.69	3,454.94
Potentially Suitable Habitat	4.02	291.37		0.00	0.00			4.02	291.37
Future Potential Habitat	33.25	737.68		0.00	0.00			33.25	737.68
TOTAL	132.30	4,821.63		7.34	337.64			124.96	4,483.99

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
0=no data available
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
22P = Slash Pine Plantation
22U = Slash Pine Underplanted
26 = Mixed Pine-Longleaf
26P = Mixed Pine-Longleaf Plantation
31 = Loblolly Pine

* Note: No pine data was collected for pine plantation stands less than 30 years old.
Stand A0613 will be non-contiguous as a result of project impacts and cannot be counted towards the available foraging habitat for the partition.
Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Appendix Table H-70. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **BB04-01R, Alternatives A and B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																												
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine Stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems >14" dbh	Hwd BA >10" dbh	Pine BA >10" dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A0613	14.55	57	21	31.05	8.00	30.23	22.00	17.93	24.00	5.42	1.31	0.22	1.50	46.00	55.50	1	14	3	3	2	3.92	PS					14.55	669.30
BB0336	3.75	37	22U	14.41	5.00	16.17	10.50	0.94	1.00	0.00	0.00	0.00	0.00	11.50	16.50	1	40	0	3	2	3.11	PS					3.75	43.13
BB0337	0.11	62	31	0.00	0.00	61.71	43.33	8.27	10.00	0.00	0.00	0.00	0.00	53.33	53.33	6	13	0	3	2	3.42	PS					0.11	5.87
BB0407	1.37	53	31	3.06	1.00	11.62	7.50	20.50	41.00	66.27	23.12	4.18	21.00	48.50	70.50	7	11	46	3	1	3.81	PS					1.37	66.45
BB0411	9.91	61	31	107.60	27.14	26.22	17.14	0.00	0.00	14.99	2.29	1.30	2.86	17.14	47.14	1	20	12	3	1	3.09	PS					9.91	169.86
BB0419	19.40	58	31	36.62	9.47	31.35	22.63	12.14	16.84	10.96	11.13	4.53	15.26	39.47	64.21	1	13	26	3	1	3.68	PS					19.40	765.72
BB0422	7.81	61	21	44.10	11.50	18.46	12.50	13.12	18.50	22.91	4.61	1.73	5.00	31.00	47.50	1	25	17	3	1	4.05	PS					7.81	242.11
BB0424	13.22	68	26	42.00	13.00	22.44	16.00	21.17	32.50	6.39	2.96	1.83	4.50	48.50	66.00	2	15	10	3	1	4.22	PS			13.22	641.17		
BB0425	11.77	49	22P	88.51	26.00	26.97	18.00	2.93	4.00	13.37	2.04	0.00	1.50	22.00	49.50	2	12	6	3	1	2.82	PS					11.77	258.94
BB0434	0.18	44	26P	71.25	15.00	71.90	52.50	34.21	50.00	17.85	0.00	0.00	0.00	102.50	117.50	1	15	0	3	1	4.08	PS					0.18	18.45
BB0435	0.58	44	10	116.62	35.00	23.49	16.67	6.82	10.00	21.54	2.31	1.98	5.00	26.67	66.67	5	10	12	3	1	2.94	PS					0.58	15.47
BB0436	10.92	83	31	41.95	11.00	14.02	10.50	11.27	19.00	8.80	6.18	7.56	17.00	29.50	57.50	1	11	35	3	1	3.67	PS					10.92	322.14
BB0437	10.85	83	21	10.48	2.50	7.20	5.50	23.02	37.00	4.49	2.44	0.83	2.50	42.50	47.50	1	26	10	3	1	4.65	CS	10.85	461.13				
BB0439	10.00	68	26	24.41	7.00	18.76	12.50	18.21	27.00	17.27	4.23	3.31	8.00	39.50	54.50	1	20	17	3	1	4.36	PS			10.00	395.00		
BB0442	26.68	59	26	40.10	11.50	22.87	16.50	13.42	19.50	6.01	0.58	3.50	7.00	36.00	54.50	1	13	10	3	1	3.92	PS					26.68	960.48
BB0443	2.36	59	22P	114.97	40.00	132.51	85.00	0.00	0.00	0.00	0.00	0.00	0.00	85.00	125.00	1	25	0	3	1	3.04	PS					2.36	200.60
HCC10	0.09	77	21	8.69	2.00	11.19	8.00	12.45	19.50	8.63	0.00	1.05	2.00	27.50	31.50	6	31	4	3	1	3.97	PS					0.00	0.00
pp531*	0.35	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH					0.35	0.00
143.90																						10.85	461.13	23.22	1,036.17	109.74	3,738.52	

REMOVALS									
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A0613	2010	65557	Repair Existing Training Area Roads, Phase 1					7.21	331.66
BB0336	2010	65557	Repair Existing Training Area Roads, Phase 1					1.60	18.40
BB0425	2010	65557	Repair Existing Training Area Roads, Phase 1					2.43	53.46
BB0439	2010	65557	Repair Existing Training Area Roads, Phase 1						
TOTAL REMOVALS				0.00	0.00	0.27	10.67	11.24	403.52

POST-PROJECT					
2010 SUB-TOTAL		non-contiguous habitat		2010 TOTAL	
Suitable Habitat	Acres BA	Acres BA	Acres BA	Acres BA	Acres BA
Potentially Suitable Habitat	22.95 1,025.50	0.00 0.00	0.00 0.00	22.95 1,025.50	
Future Potential Habitat	98.50 3,335.00	7.34 337.64	7.34 337.64	91.16 2,997.36	
TOTAL	132.30 4,821.63	7.34 337.64	7.34 337.64	124.96 4,483.99	

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
0=no data available
1=non-growing season
2=growing season

Suitability:
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
22P = Slash Pine Plantation
22U = Slash Pine Underplanted
26 = Mixed Pine-Longleaf
26P = Mixed Pine-Longleaf Plantation
31 = Loblolly Pine

*Note: No pine data was collected for pine plantation stands less than 30 years old.

Stand A0613 will be non-contiguous as a result of project impacts and cannot be counted towards the available foraging habitat for the partition.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Appendix Table H-71. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **BB05-01R, Alternatives A and B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																														
Stand	Acres	Pine Age	Forest Type	Pine Stems 4- 10" dbh	Pine BA 4- 10" dbh	Pine Stems 10- 14" dbh	Pine BA 10- 14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4- 10" dbh	Hwd Stems 10- 14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10" dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA			
A0606	1.69	54	26	24.46	6.00	29.49	21.50	12.53	20.00	8.68	0.00	1.80	4.00	41.50	51.50	5	24	4	3	1	0			1.69	70.14					
A0613	33.65	57	21	31.05	8.00	30.23	22.00	17.93	24.00	5.42	1.31	0.22	1.50	46.00	55.50	1	14	3	3	2	1		33.65	1,547.90						
BB0406	13.62	67	31	123.57	34.50	46.90	30.00	10.27	14.00	5.78	0.67	0.00	0.50	44.00	79.00	1	21	1	3	1	0			13.62	599.28					
BB0407	1.48	53	31	3.06	1.00	11.62	7.50	20.50	41.00	66.27	23.12	4.18	21.00	48.50	70.50	7	11	46	3	1	0				1.48	71.78				
BB0416	3.22	67	25	174.50	50.00	64.75	45.00	1.66	2.50	25.22	10.21	4.38	15.00	47.50	112.50	1	7	18	3	1	0				3.22	152.95				
BB0417	5.10	67	26	116.53	32.50	56.87	37.50	5.51	7.50	0.00	2.25	0.00	1.25	45.00	78.75	1	9	3	3	1	0				5.10	229.50				
BB0419	2.17	58	31	36.62	9.47	31.35	22.63	12.14	16.84	10.96	11.13	4.53	15.26	39.47	64.21	1	13	26	3	1	1		2.17	85.65						
BB0502	0.70	45	31	86.27	24.00	44.02	35.00	14.91	21.00	9.92	3.57	0.00	3.00	56.00	83.00	6	9	6	3	2	0				0.70	39.20				
BB0504	3.47	50	31	104.49	32.50	61.30	40.00	18.79	22.50	0.00	0.00	0.00	0.00	62.50	95.00	7	10	0	3	2	0				3.47	216.88				
BB0509	7.73	45	31	17.18	4.00	10.53	7.50	11.50	17.50	20.44	8.17	5.51	13.00	25.00	42.00	5	19	38	3	2	0					7.73	193.25			
BB0510	18.91	33	31	30.67	8.50	28.39	20.50	9.11	11.50	0.00	0.69	0.15	1.00	32.00	41.50	8	22	2	3	2	0				18.91	605.12				
BB0516	17.14	50	31	6.62	1.50	7.31	5.50	20.49	42.00	31.34	19.79	3.94	19.50	47.50	68.50	7	14	46	3	2	0				17.14	814.15				
BB0517	15.67	50	31	21.17	6.00	8.67	6.00	14.81	21.00	6.29	1.48	2.76	6.00	27.00	39.00	6	18	15	3	2	0					15.67	423.09			
BB0518	5.78	33	26	75.74	21.11	23.52	16.67	8.13	11.11	0.00	1.15	1.71	3.33	27.78	82.22	6	12	8	3	2	0					5.78	160.57			
BB0519	2.22	33	21	167.41	55.00	23.49	15.00	0.00	0.00	0.00	0.00	0.00	0.00	15.00	70.00	1	25	0	3	2	0					2.22	33.30			
BB0522	15.46	44	42**	2.93	1.00	6.34	5.00	18.31	37.50	45.60	17.92	6.06	22.50	42.50	66.00	7	16	49	3	2	0						0.00	0.00		
BB0523	17.24	50	21	25.33	7.50	22.48	16.50	10.51	14.00	9.87	2.61	1.87	5.00	30.50	43.00	1	29	12	3	2	1		17.24	525.82						
BB0524	23.48	50	26	5.07	2.00	11.79	9.00	17.97	25.50	1.33	1.93	1.23	3.50	34.50	40.00	1	13	10	3	2	1		23.48	810.06						
BB0525	10.71	50	26	39.55	10.50	28.77	20.00	15.13	22.50	1.06	0.00	0.00	0.00	42.50	53.00	1	35	0	3	2	1		10.71	455.18						
BB0527	24.89	44	31	36.37	9.50	21.79	16.50	11.76	16.50	2.38	0.50	2.22	4.00	33.00	46.50	8	17	8	3	2	0				24.89	821.37				
BB0528	3.33	48	21	22.88	6.67	19.48	13.33	6.53	10.00	0.00	4.17	0.00	3.33	23.33	33.33	1	20	14	3	2	0					3.33	77.69			
BB0530	9.36	48	31	21.31	6.67	21.43	15.56	11.58	16.67	0.00	0.00	0.00	0.00	32.22	38.89	8	17	0	3	2	0				9.36	301.58				
BB0532	1.83	48	25	46.19	10.00	12.23	10.00	14.69	20.00	0.00	0.00	0.00	0.00	30.00	40.00	8	45	0	3	2	0				1.83	54.90				
BB0535	15.29	50	31	9.14	3.00	15.77	13.00	11.76	14.50	0.00	1.05	0.73	2.50	27.50	33.00	8	17	6	3	2	0					15.29	420.48			
pp545*	0.13	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.13	0.00			
pp593*	2.03	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					2.03	0.00			
pp594*	3.16	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					3.16	0.00			
259.46																						87.25	3,424.61	101.41	3,976.85	55.34	1,308.38			

REMOVALS												
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed			
A0606	2010	65557	Repair Existing Training Area Roads, Phase			0.59	24.49					
A0613	2010	65557	Repair Existing Training Area Roads, Phase 1	12.62	580.52							
BB0535	2010	65557	Repair Existing Training Area Roads, Phase 1					0.40	11.00			
pp545*	2010	65557	Repair Existing Training Area Roads, Phase 1					0.13	0.00			
TOTAL REMOVALS				12.62	580.52	0.59	24.49	0.53	11.00			

POST-PROJECT		2010	
Suitable Habitat	Acres	BA	
Potentially Suitable Habitat	74.63	2,844.09	
Future Potential Habitat	100.82	3,952.36	
TOTAL	54.81	1,297.38	
	230.26	8,093.83	

Key:		
BA= basal area	Type Burn:	Stand Score
dbh= diameter at breast height	0=no data available	0=Unsuitable
hwd= hardwood	1=non-growing season	1=Suitable
hgc = herbaceous ground cover	2=growing season	
Hardwood Midstory:	Forest Type:	
1 = low, sparse	21 = Longleaf Pine	
2 = low, moderate	21P = Longleaf Pine Plantation	
3 = low, dense	25 = Mixed Pine	
4 = medium, sparse	26 = Mixed Pine-Longleaf	
5 = tall, sparse	31 = Loblolly Pine	
6 = medium, moderate	42** = Upland Hardwood-Yellow Pine	
7 = tall, moderate	(managed for hardwoods)	
8 = medium, dense		
9 = tall, dense		
* No pine data collected for pine plantation stands less than 30 years old.		

Appendix Table H-72. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster
BB05-01R, Alternatives A and B for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																												
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems >14" dbh	Hwd BA >10" dbh	Pine BA >10" dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable/Potentially Suitable Acreage	Suitable/Potentially Suitable BA	Suitable/Potentially Suitable Acreage	Suitable/Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A0606	1.69	54	26	24.46	6.00	29.49	21.50	12.53	20.00	8.68	0.00	1.80	4.00	41.50	51.50	5	24	4	3	1	3.96	PS					1.69	70.14
A0613	33.65	57	21	31.05	8.00	30.23	22.00	17.93	24.00	5.42	1.31	0.22	1.50	46.00	55.50	1	14	3	3	2	3.92	PS					33.65	1,547.90
BB0406	13.62	67	31	123.57	34.50	46.90	30.00	10.27	14.00	5.78	0.67	0.00	0.50	44.00	79.00	1	21	1	3	1	3.91	PS					13.62	599.28
BB0407	1.48	53	31	3.06	1.00	11.62	7.50	20.50	41.00	66.27	23.12	4.18	21.00	48.50	70.50	7	11	46	3	1	3.81	PS					1.48	71.78
BB0416	3.22	67	25	174.50	50.00	64.75	45.00	1.66	2.50	25.22	10.21	4.38	15.00	47.50	112.50	1	7	18	3	1	2.96	PS					3.22	152.95
BB0417	5.10	67	26	116.53	32.50	56.87	37.50	5.51	7.50	0.00	2.25	0.00	1.25	45.00	78.75	1	9	3	3	1	3.42	PS					5.10	229.50
BB0419	2.17	58	31	36.62	9.47	31.35	22.63	12.14	16.84	10.96	11.13	4.53	15.26	39.47	64.21	1	13	26	3	1	3.68	PS					2.17	85.65
BB0502	0.70	45	31	86.27	24.00	44.02	35.00	14.91	21.00	9.92	3.57	0.00	3.00	56.00	83.00	6	9	6	3	2	3.81	PS					0.70	39.20
BB0504	3.47	50	31	104.49	32.50	61.30	40.00	18.79	22.50	0.00	0.00	0.00	0.00	62.50	95.00	7	10	0	3	2	4.06	PS					3.47	216.88
BB0509	7.73	45	31	17.18	4.00	10.53	7.50	11.50	17.50	20.44	8.17	5.51	13.00	25.00	42.00	5	19	38	3	2	3.34	PS					7.73	193.25
BB0510	18.91	33	31	30.67	8.50	28.39	20.50	9.11	11.50	0.00	0.69	0.15	1.00	32.00	41.50	8	22	2	3	2	3.33	PS					18.91	605.12
BB0516	17.14	50	31	6.62	1.50	7.31	5.50	20.49	42.00	31.34	19.79	3.94	19.50	47.50	68.50	7	14	46	3	2	3.96	PS					17.14	814.15
BB0517	15.67	50	31	21.17	6.00	8.67	6.00	14.81	21.00	6.29	1.48	2.76	6.00	27.00	39.00	6	18	15	3	2	4.00	PS					15.67	423.09
BB0518	5.78	33	26	75.74	21.11	23.52	16.67	8.13	11.11	0.00	1.15	1.71	3.33	27.78	52.22	6	12	8	3	2	3.11	PS					5.78	160.57
BB0519	2.22	33	21	167.41	55.00	23.49	15.00	0.00	0.00	0.00	0.00	0.00	0.00	15.00	70.00	1	25	0	3	2	2.86	PS					2.22	33.30
BB0522	15.46	44	42**	2.93	1.00	6.34	5.00	18.31	37.50	45.60	17.92	6.06	22.50	42.50	66.00	7	16	49	3	2	3.83	PS					0.00	0.00
BB0523	17.24	50	21	25.33	7.50	22.48	16.50	10.51	14.00	9.87	2.61	1.87	5.00	30.50	43.00	1	29	12	3	2	3.90	PS					17.24	525.82
BB0524	23.48	50	26	5.07	2.00	11.79	9.00	17.97	25.50	1.33	1.93	1.23	3.50	34.50	40.00	1	13	10	3	2	3.90	PS					23.48	810.06
BB0525	10.71	50	26	39.55	10.50	28.77	20.00	15.13	22.50	1.06	0.00	0.00	0.00	42.50	53.00	1	35	0	3	2	4.54	PS					10.71	455.18
BB0527	24.89	44	31	36.37	9.50	21.79	16.50	11.76	16.50	2.38	0.80	2.22	4.00	33.00	46.50	8	17	8	3	2	3.54	PS					24.89	821.37
BB0528	3.33	48	21	22.88	6.67	19.48	13.33	6.53	10.00	0.00	4.17	0.00	3.33	23.33	33.33	1	20	14	3	2	3.28	PS					3.33	77.69
BB0530	9.36	48	31	21.31	6.67	21.43	15.56	11.58	16.67	0.00	0.00	0.00	0.00	32.22	38.89	8	17	0	3	2	3.52	PS					9.36	301.58
BB0532	1.83	48	25	46.19	10.00	12.23	10.00	14.69	20.00	0.00	0.00	0.00	0.00	30.00	40.00	8	45	0	3	2	4.05	PS					1.83	54.90
BB0535	15.29	50	31	9.14	3.00	15.77	13.00	11.76	14.50	0.00	1.05	0.73	2.50	27.50	33.00	8	17	6	3	2	3.53	PS					15.29	420.48
pp545*	0.13	7	01P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH					0.13	0.00
pp593*	2.03	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH					2.03	0.00
pp594*	3.16	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH					3.16	0.00
259.46																							0.00	0.00	0.00	0.00	244.00	8,709.84

REMOVALS									
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A0606	2010	65557	Repair Existing Training Area Roads, Phase 1					0.59	24.49
A0613	2010	65557	Repair Existing Training Area Roads, Phase 1					12.62	580.52
BB0535	2010	65557	Repair Existing Training Area Roads, Phase 1					0.40	11.00
pp545*	2010	65557	Repair Existing Training Area Roads, Phase 1					0.13	0.00
TOTAL REMOVALS				0.00	0.00	0.00	0.00	13.74	616.01

POST-PROJECT		2010	
Suitable Habitat	Acres	BA	
Potentially Suitable Habitat	0.00	0.00	
Future Potential Habitat	230.26	8,093.83	
TOTAL	230.26	8,093.83	

Key:	Type Burn:	Suitability
BA= basal area	0=no data available	CS= currently suitable
dbh= diameter at breast height	1=non-growing season	PS= potentially suitable
hwd= hardwood	2=growing season	NH= non-habitat
hgc = herbaceous ground cover		
Hardwood Midstory:	Forest Type:	
1 = low, sparse	21 = Longleaf Pine	
2 = low, moderate	21P = Longleaf Pine Plantation	
3 = low, dense	25 = Mixed Pine	
4 = medium, sparse	26 = Mixed Pine-Longleaf	
5 = tall, sparse	31 = Loblolly Pine	
6 = medium, moderate	42** = Upland Hardwood-Yellow Pine (managed for hardwoods)	
7 = tall, moderate		
8 = medium, dense		
9 = tall, dense		

* No pine data collected for pine plantation stands less than 30 years old.

Appendix Table H-73. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **C01-02 Alternative B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																											
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems >14" dbh	Hwd BA >10" dbh	Pine BA >10" dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
C0111	0.30	83	31	7.87	2.50	9.84	7.00	23.64	44.50	7.35	0.00	0.87	1.00	51.50	55.00	1	34	3	3	1	1	0.30	15.45			0.10	0.00
C0113	0.10	24	NM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0						
C0116	47.68	80	26	12.94	3.50	6.38	4.50	21.11	39.50	3.40	0.53	0.75	2.00	44.00	49.50	8	30	4	3	1	0			47.68	2,097.92		
C0117	4.76	24	NM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0					4.76	0.00
C0118	9.43	95	25	202.85	45.56	28.57	18.89	8.40	11.11	0.00	0.00	0.78	1.11	30.00	76.67	6	29	2	3	1	0			9.43	282.90		
C0120	16.36	95	25	29.38	9.50	14.79	10.00	23.19	40.00	29.60	11.46	5.52	15.50	50.00	75.00	7	11	31	3	1	0			16.36	818.00		
EE0223	0.12	52	31	9.83	3.75	18.82	15.00	14.17	22.50	20.08	5.70	3.09	7.50	37.50	48.75	1	14	21	3	1	1	0.12	4.50				
EE0225	61.83	94	31	75.01	20.50	21.53	14.50	14.25	22.00	5.24	4.31	1.67	6.00	36.50	63.00	6	25	14	3	1	0			61.83	2,256.80		
EE0233	9.41	52	31	43.93	14.00	26.87	20.00	18.45	24.00	13.93	1.93	0.41	1.50	44.00	59.50	6	28	5	3	1	0			9.41	414.04		
pp740*	1.97	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					1.97	0.00
pp981*	9.73	1	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					9.73	0.00
pp982*	1.79	1	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					1.79	0.00
Q0203	4.36	57	31	46.04	15.00	38.80	27.50	19.32	25.00	19.76	2.18	0.00	1.50	52.50	69.00	6	50	4	3	1	0			4.36	228.90		
Q0204	18.16	57	31	59.33	17.37	26.80	18.42	9.92	15.26	30.67	2.70	0.00	1.58	33.68	52.63	6	32	7	3	1	0			18.16	611.63		
Q0205	0.05	102	31	22.10	5.00	6.93	5.00	12.92	27.50	11.22	10.11	6.91	18.75	32.50	56.25	8	18	46	3	1	0			0.05	1.63		
186.05																						0.42	19.95	167.28	6,711.82	18.35	0.00

REMOVALS									
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
Q0204	2009	69741	Alternate 19D/K OSUT Training Area Roads			2.34	78.81		
TOTAL REMOVALS				0.00	0.00	2.34	78.81	0.00	0.00

POST-PROJECT			
		2009	
Suitable Habitat	Acres	BA	
Potentially Suitable Habitat	164.94	6,633.01	
Future Potential Habitat	18.35	0.00	
TOTAL	183.71	6,652.96	

Key:

BA = basal area
dbh = diameter at breast height
hwd = hardwood
hgc = herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21P = Longleaf Pine Plantation
25 = Mixed Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
NM = not managed

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Appendix Table H-74. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **C01-02, Alternative B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																																
Stand	Acres	Pine Age	Forest Type	Pine Stems 4- 10" dbh	Pine BA 4- 10" dbh	Pine Stems 10- 14" dbh	Pine BA 10-14" dbh	Pine Stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4- 10" dbh	Hwd Stems 10- 14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10" dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA				
C0111	0.30	83	31	7.87	2.50	9.84	7.00	23.64	44.50	7.35	0.00	0.87	1.00	51.50	55.00	1	34	3	3	1	4.75	CS	0.30	15.45								
C0113	0.10	24	NM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	2.06	NH				0.10	0.00					
C0116	47.68	80	26	12.94	3.50	6.38	4.50	21.11	39.50	3.40	0.53	0.75	2.00	44.00	49.50	8	30	4	3	1	4.30	PS			47.68	2,097.92						
C0117	4.76	24	NM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	2.06	NH				4.76	0.00					
C0118	9.43	95	25	202.85	45.56	28.57	18.89	8.40	11.11	0.00	0.00	0.78	1.11	30.00	76.67	6	29	2	3	1	3.43	PS				9.43	282.90					
C0120	16.36	95	25	29.38	9.50	14.79	10.00	23.19	40.00	29.60	11.46	5.52	15.50	50.00	75.00	7	11	31	3	1	3.93	PS			16.36	818.00						
EE0223	0.12	52	31	9.83	3.75	18.82	15.00	14.17	22.50	20.08	5.70	3.09	7.50	37.50	48.75	1	14	21	3	1	4.08	PS				0.12	4.50					
EE0225	61.83	94	31	75.01	20.50	21.53	14.50	14.25	22.00	5.24	4.31	1.67	6.00	36.50	63.00	6	25	14	3	1	4.05	PS				61.83	2,256.80					
EE0233	9.41	52	31	43.93	14.00	26.87	20.00	18.45	24.00	13.93	1.93	0.41	1.50	44.00	59.50	6	28	5	3	1	4.20	PS				9.41	414.04					
pp740*	1.97	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH				1.97	0.00					
pp981*	9.73	1	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH				9.73	0.00					
pp982*	1.79	1	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH				1.79	0.00					
Q0203	4.36	57	31	46.04	15.00	38.80	27.50	19.32	25.00	19.76	2.18	0.00	1.50	52.50	69.00	6	50	4	3	1	4.40	PS				4.36	228.90					
Q0204	18.16	57	31	59.33	17.37	26.80	18.42	9.92	15.26	30.67	2.70	0.00	1.58	33.68	52.63	6	32	7	3	1	3.78	PS				18.16	611.63					
Q0205	0.05	102	31	22.10	5.00	6.93	5.00	12.92	27.50	11.22	10.11	6.91	18.75	32.50	56.25	8	18	46	3	1	3.23	PS				0.05	1.63					
186.05																											0.30	15.45	64.04	2,915.92	121.71	3,800.40

REMOVALS							
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed
Q0204	2009	69741	Alternate 19DK OSUT Training Area Roads				
TOTAL REMOVALS				0.00	0.00	0.00	0.00

POST-PROJECT			
2009			
Suitable Habitat	Acres	BA	
Potentially Suitable Habitat	64.04	2,915.92	
Future Potential Habitat	119.37	3,721.59	
TOTAL	183.71	6,652.96	

Key:

BA= basal area

dbh= diameter at breast height

hwd= hardwood

hgc= herbaceous ground cover

Hardwood Midstory:

1 = low, sparse

2 = low, moderate

3 = low, dense

4 = medium, sparse

5 = tall, sparse

6 = medium, moderate

7 = tall, moderate

8 = medium, dense

9 = tall, dense

Forest Type:

21P = Longleaf Pine Plantation

25 = Mixed Pine

26 = Mixed Pine-Longleaf

31 = Loblolly Pine

NM = not managed

Suitability

CS= currently suitable

PS= potentially suitable

NH= non-habitat

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Appendix Table H-75. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **C01-03, Alternatives A and B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																												
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems >14" dbh	Hwd BA >10" dbh	Pine BA >10" dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Potentially Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA	
C0105	3.13	72	31	9.85	3.00	9.37	6.50	19.28	36.50	13.87	4.72	1.42	6.00	43.00	52.00	6	31	18	3	1	0			3.13	134.59			
C0108	0.10	24	NM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0					0.00	0.00	
C0110	16.29	24	31	201.01	47.00	7.15	4.50	5.41	11.50	9.40	1.31	0.42	2.50	16.00	65.50	6	22	12	3	1	0					16.29	260.64	
C0113	0.21	24	NM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0					0.00	0.00	
C0116	32.33	80	26	12.94	3.50	6.38	4.50	21.11	39.50	3.40	0.53	0.75	2.00	44.00	49.50	8	30	4	3	1	0			32.33	1,422.52			
C0117	1.57	24	NM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0					0.00	0.00	
C0123	11.55	80	26	0.00	0.00	2.17	2.00	32.17	59.00	4.79	0.00	0.00	0.00	61.00	61.00	1	34	0	3	1	1		11.55	704.55				
EE0213	12.03	73	31	9.37	3.50	9.06	6.50	13.39	26.50	7.86	7.79	2.80	10.00	33.00	46.50	8	25	32	3	1	0			12.03	396.99			
EE0223	7.42	52	31	9.83	3.75	18.82	15.00	14.17	22.50	20.08	5.70	3.09	7.50	37.50	48.75	1	14	21	3	1	1		7.42	278.25				
EE0225	24.32	94	31	75.01	20.50	21.53	14.50	14.25	22.00	5.24	4.31	1.67	6.00	36.50	63.00	6	25	14	3	1	0			24.32	887.68			
pp981*	5.52	1	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					5.52	0.00	
pp982*	3.59	1	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					3.59	0.00	
pp983*	0.50	1	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.50	0.00	
S0303	15.42	62	31	17.93	4.50	8.57	6.50	12.82	20.50	0.00	1.25	0.73	2.00	27.00	33.50	2	31	8	3	1	0					15.42	416.34	
133.98																							18.97	982.80	71.81	2,841.78	41.32	676.98

REMOVALS									
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
C0105	2009	67457	Infrastructure Support - Utilities			0.18	7.74		
C0110	2009	67457	Infrastructure Support - Utilities					0.02	0.32
C0116	2009	67457	Infrastructure Support - Utilities			1.58	69.52		
C0123	2009	67457	Infrastructure Support - Utilities	0.66	40.26				
EE0225	2009	67457	Infrastructure Support - Utilities			0.60	21.90		
2009 SUB-TOTAL				0.66	40.26	2.36	99.16	0.02	0.32
C0105	2010	65557	Repair Existing Training Area Roads, Phase 1			0.16	6.88		
C0110	2010	65557	Repair Existing Training Area Roads, Phase 1					0.03	0.48
C0116	2010	65557	Repair Existing Training Area Roads, Phase 1			1.11	48.84		
C0123	2010	65557	Repair Existing Training Area Roads, Phase 1	0.49	29.89				
EE0213	2010	65557	Repair Existing Training Area Roads, Phase 1			0.10	3.30		
EE0225	2010	65557	Repair Existing Training Area Roads, Phase 1			0.08	2.92		
S0303	2010	65557	Repair Existing Training Area Roads, Phase 1					3.42	92.34
2010 SUB-TOTAL				0.49	29.89	1.45	61.94	3.45	92.82
TOTAL REMOVALS				1.15	70.15	3.81	161.10	3.47	93.14

POST-PROJECT				
	2009		2010	
	Acres	BA	Acres	BA
Suitable Habitat	18.31	942.54	17.82	912.65
Potentially Suitable Habitat	69.45	2,742.62	68.00	2,680.68
Future Potential Habitat	41.30	676.66	37.85	583.84
TOTAL	129.06	4,361.82	123.67	4,177.17

Key:		
BA= basal area	Type Burn:	Stand Score
dbh= diameter at breast height	0=no data available	0=Unsuitable
hwd= hardwood	1=non-growing season	1=Suitable
hgc= herbaceous ground cover	2=growing season	
Hardwood Midstory:	Forest Type:	
1 = low, sparse	ZIP = Longleaf Pine Plantation	
2 = low, moderate	26 = Mixed Pine-Longleaf	
3 = low, dense	31 = Loblolly Pine	
4 = medium, sparse	NM = not managed	
5 = tall, sparse		
6 = medium, moderate		
7 = tall, moderate		
8 = medium, dense		
9 = tall, dense		
* Note: No pine data was collected for pine plantation stand less than 30 years old.		

Appendix Table H-76. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **C01-03, Alternatives A and B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																													
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine Stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd BA 4-10" dbh	Hwd Stems 10-14" dbh	Hwd BA 10-14" dbh	Hwd Stems >14" dbh	Pine BA >10" dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
C0105	3.13	72	31	9.85	3.00	9.37	6.50	19.28	36.50	13.87	4.72	1.42	6.00	43.00	52.00	6	31	18	3	1	4.39	PS				3.13	134.59		
C0108	0.10	24	NM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	2.06	NH					0.00	0.00
C0110	16.29	24	31	201.01	47.00	7.15	4.50	5.41	11.50	9.40	1.31	0.42	2.50	16.00	65.50	6	22	12	3	1	2.71	NH					16.29	260.64	
C0113	0.21	24	NM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	2.06	NH					0.00	0.00
C0116	32.33	80	26	12.94	3.50	6.38	4.50	21.11	39.50	3.40	0.53	0.75	2.00	44.00	49.50	8	30	4	3	1	4.30	PS			32.33	1,422.52			
C0117	1.57	24	NM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	2.06	NH					0.00	0.00
C0122	15.55	80	26	0.00	0.00	2.17	2.00	32.17	58.00	4.79	0.00	0.00	0.00	61.00	61.00	1	34	0	3	1	5	CS		11.55	704.55				
EE0213	12.03	73	31	9.37	3.50	9.06	6.50	13.39	26.50	7.86	7.79	2.80	10.00	33.00	46.50	8	25	32	3	1	3.85	PS					12.03	396.99	
EE0223	7.42	52	31	9.83	3.75	18.82	15.00	14.17	22.50	20.08	5.70	3.09	7.50	37.50	48.75	1	14	21	3	1	4.08	PS					7.42	278.25	
EE0225	24.32	94	31	75.01	20.50	21.53	14.50	14.25	22.00	5.24	4.31	1.67	6.00	36.50	63.00	6	25	14	3	1	4.05	PS					24.32	887.68	
pp981*	5.52	1	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH					5.52	0.00
pp982*	3.59	1	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH					3.59	0.00
pp983*	0.50	1	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH					0.50	0.00
S0303	15.42	62	31	17.93	4.50	8.57	6.50	12.82	20.50	0.00	1.25	0.73	2.00	27.00	33.50	2	31	8	3	1	4.34	PS					15.42	416.34	
133.98																													

REMOVALS									
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
C0105	2009	67457	Infrastructure Support - Utilities			0.18	7.74		
C0110	2009	67457	Infrastructure Support - Utilities					0.02	0.32
C0116	2009	67457	Infrastructure Support - Utilities			1.58	69.52		
C0123	2009	67457	Infrastructure Support - Utilities	0.66	40.26			0.60	21.90
EE0225	2009	67457	Infrastructure Support - Utilities						
2009 SUB-TOTAL				0.66	40.26	1.76	77.26	0.62	22.22
C0105	2010	65557	Repair Existing Training Area Roads, Phase 1			0.16	6.88		
C0110	2010	65557	Repair Existing Training Area Roads, Phase 1					0.03	0.48
C0116	2010	65557	Repair Existing Training Area Roads, Phase 1			1.11	48.84		
C0123	2010	65557	Repair Existing Training Area Roads, Phase 1	0.49	29.89			0.10	3.30
EE0213	2010	65557	Repair Existing Training Area Roads, Phase 1					0.08	2.92
EE0225	2010	65557	Repair Existing Training Area Roads, Phase 1					3.42	92.34
S0303	2010	65557	Repair Existing Training Area Roads, Phase 1	0.49	29.89	1.27	55.72	3.63	99.04
2010 SUB-TOTAL				0.49	29.89	1.27	55.72	3.63	99.04
TOTAL REMOVALS				1.15	70.15	3.03	132.98	4.25	121.26

POST-PROJECT					
		2010		2010	
Suitable Habitat	Acres	BA	Acres	BA	
	10.89	664.29	10.40	634.40	
Potentially Suitable Habitat	33.70	1,479.85	32.43	1,424.13	
Future Potential Habitat	84.47	2,217.68	80.84	2,118.64	
TOTAL	129.06	4,361.82	123.67	4,177.17	

Kec:

BA= basal area

Type Burn:

Suitability

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
0=no data available
1=non-growing season
2=growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
NM = not managed

* Note: No pine data was collected for pine plantation stand less than 30 years old.

Appendix Table H-77. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **C01-06 Alternatives A and B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																												
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd BA 4-10" dbh	Hwd Stems 10-14" dbh	Hwd BA 10-14" dbh	Hwd Stems >14" dbh	Pine BA >10" dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years, since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
C0105	47.07	72	31	9.85	3.00	9.37	6.50	19.28	36.50	13.87	4.72	1.42	6.00	43.00	52.00	6	31	18	3	1	0				47.07	2,024.01		
C0108	1.72	24	NM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0						0.00	0.00
C0109	0.20	24	NM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0						0.00	0.00
C0110	1.11	24	31	201.01	47.00	7.15	4.50	5.41	11.50	9.40	1.31	0.42	2.50	16.00	65.50	6	22	12	3	1	0						1.11	17.76
C0111	1.29	83	31	7.87	2.50	9.84	7.00	23.64	44.50	7.35	0.00	0.87	1.00	51.50	55.00	1	34	3	3	1	1		1.29	66.44				
C0121	25.75	78	31	6.55	2.50	9.10	6.50	21.72	38.00	0.00	0.50	0.71	2.00	44.50	49.00	2	29	4	3	1	1		25.75	1,145.88				
pp983*	9.59	1	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					9.59	0.00
pp984*	6.64	1	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					6.64	0.00
S0209	2.04	58	26	8.42	2.50	9.66	7.00	12.33	21.50	10.30	1.50	3.03	6.00	28.50	37.00	6	23	17	3	1	0					2.04	58.14	
S0210	28.46	69	31	31.33	8.50	14.70	11.00	16.59	27.00	0.00	2.18	1.67	3.50	38.00	50.00	6	29	11	3	1	0				28.46	1,081.48		
123.87																							27.04	1,212.32	75.53	3,105.49	19.38	75.90

REMOVALS									
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
C0105	2009	67457	Infrastructure Support - Utilities			2.74	117.82		
S0210	2009	67457	Infrastructure Support - Utilities			0.79	30.02		
2009 SUB-TOTAL				0.00	0.00	3.53	147.84	0.00	0.00
C0105	2010	65557	Repair Existing Training Area Roads, Phase 1			2.17	93.31		
S0209	2010	65557	Repair Existing Training Area Roads, Phase 1					1.07	30.50
S0210	2010	65557	Repair Existing Training Area Roads, Phase 1			3.74	142.12		
2010 SUB-TOTAL				0.00	0.00	5.91	235.43	1.07	30.50
TOTAL REMOVALS				0.00	0.00	9.44	383.27	1.07	30.50

POST-PROJECT				
	2009		2010	
Suitable Habitat	Acres	BA	Acres	BA
Suitable Habitat	27.04	1,212.32	27.04	1,212.32
Potentially Suitable Habitat	72.00	2,957.65	66.09	2,722.22
Future Potential Habitat	19.38	75.90	18.31	45.40
TOTAL	118.42	4,245.87	111.44	3,979.94

Key:		
BA = basal area	Type Burn:	Stand Score
dbh = diameter at breast height	0=no data available	0=Unsuitable
hwd = hardwood	1=non-growing season	1=Suitable
hgc = herbaceous ground cover	2=growing season	
Hardwood Midstory:	Forest Type:	
1 = low, sparse	21P = Longleaf Pine Plantation	
2 = low, moderate	26 = Mixed Pine-Longleaf	
3 = low, dense	31 = Loblolly Pine	
4 = medium, sparse	NM = not managed	
5 = tall, sparse		
6 = medium, moderate		
7 = tall, moderate		
8 = medium, dense		
9 = tall, dense		
* Note: No pine data was collected for pine plantation stand less than 30 years old.		

Appendix Table H-78. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **C01-06, Alternatives A and B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																												
Stand	Acres	Pine Age	Forest Type	Pine Stems 4 10" dbh	Pine BA 4- 10" dbh	Pine Stems 10- 14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4- 10" dbh	Hwd Stems 10- 14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10" dbh	Total Stand BA (Pines + Hwds)	Stand Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
C0105	47.07	72	31	9.85	3.00	9.37	6.50	19.28	36.50	13.87	4.72	1.42	6.00	43.00	52.00	6	31	18	3	1	4.39	PS			47.07	2,024.01		
C0108	1.72	24	NM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	2.06	NH					0.00	0.00
C0109	0.20	24	NM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	2.06	NH					0.00	0.00
C0110	1.11	24	31	201.01	47.00	7.15	4.50	5.41	11.50	9.40	1.31	0.42	2.50	16.00	65.50	6	22	12	3	1	2.71	NH					1.11	17.76
C0111	1.29	83	31	7.87	2.50	9.84	7.00	23.64	44.50	7.35	0.00	0.87	1.00	51.50	55.00	1	34	3	3	1	4.75	CS	1.29	66.44				
C0121	25.75	78	31	6.55	2.50	9.10	6.50	21.72	38.00	0.00	0.50	0.71	2.00	44.50	49.00	2	29	4	3	1	4.65	CS	25.75	1,145.88				
pp983*	9.59	1	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH					9.59	0.00
pp984*	6.64	1	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH					6.64	0.00
S0209	2.04	58	26	8.42	2.50	9.66	7.00	12.33	21.50	10.30	1.50	3.03	6.00	28.50	37.00	6	23	17	3	1	3.75	PS					2.04	58.14
S0210	28.46	69	31	31.33	8.50	14.70	11.00	16.59	27.00	0.00	2.18	1.67	3.50	38.00	50.00	6	29	11	3	1	4.13	PS					28.46	1,081.48
123.87																						27.04	1,212.32	47.07	2,024.01	47.84	1,157.38	

REMOVALS									
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
C0105	2009	67457	Infrastructure Support - Utilities			2.74	117.82		
S0210	2009	67457	Infrastructure Support - Utilities					0.79	30.02
2009 SUB-TOTAL				0.00	0.00	2.74	117.82	0.79	30.02
C0105	2010	65557	Repair Existing Training Area Roads, Phase 1			2.17	93.31		
S0209	2010	65557	Repair Existing Training Area Roads, Phase 1					1.07	30.50
S0210	2010	65557	Repair Existing Training Area Roads, Phase 1					3.74	142.12
2010 SUB-TOTAL				0.00	0.00	2.17	93.31	4.81	172.62
TOTAL REMOVALS				0.00	0.00	4.91	211.13	5.60	202.64

POST-PROJECT				
	2009		2010	
Suitable Habitat	27.04	1,212.32	27.04	1,212.32
Potentially Suitable Habitat	44.33	1,906.19	42.16	1,812.88
Future Potential Habitat	47.05	1,127.35	42.24	954.74
TOTAL	118.42	4,245.87	111.44	3,979.94

Res:	Type Burn:	Suitability
lB= basal area	sh= diameter at breast height	CS= currently suitable
hwd= hardwood	1=non-growing season	PS= potentially suitable
hgc= herbaceous ground cover	2=growing season	NH= non-habitat

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
0=no data available
1=non-growing season
2=growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
NM = not managed

* Note: No pine data was collected for pine plantation stand less than 30 years old.

Appendix Table H-79. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **C02-02 Alternative B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																				Hwd		Number																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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Appendix Table H-80. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **C02-02, Alternative B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																												
Stand	Acres	Pine Age	Forest Type	Pine Stems 4 10" dbh	Pine BA 4 10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4 10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10" dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
C0120	0.39	95	25	29.38	9.50	14.79	10.00	23.19	40.00	29.60	11.46	5.52	15.50	50.00	75.00	7	11	31	3	1	3.93	PS			0.00	0.00		
C0217	2.95	54	31	55.80	18.00	27.80	18.50	5.97	8.50	37.99	9.01	1.13	7.50	27.00	52.50	1	21	23	3	2	3.39	PS					2.95	79.65
C0218	7.99	22	31P	143.72	45.00	36.06	21.00	1.88	2.00	0.00	0.00	0.00	0.00	23.00	68.00	2	38	0	3	2	2.87	NH					7.99	183.77
C0225	108.48	89	31	25.70	7.37	26.64	19.47	16.56	22.11	22.92	0.96	0.20	1.05	41.58	50.00	6	36	3	3	2	4.51	PS					108.48	4,510.60
C0230	0.11	69	25	42.44	11.05	29.29	21.05	11.71	16.84	18.74	2.22	1.02	3.16	37.89	52.11	5	35	7	3	2	4.10	PS					0.11	4.17
C0237	37.16	87	31	71.84	19.00	21.70	15.00	11.68	18.50	15.35	3.54	1.63	4.50	33.50	57.00	6	33	13	3	2	4.01	PS					37.16	1,244.86
C0237	0.56	87	31U	71.84	19.00	21.70	15.00	11.68	18.50	15.35	3.54	1.63	4.50	33.50	57.00	6	33	13	3	2	4.01	PS					0.56	18.76
C0238	9.17	87	31U	15.56	3.75	3.35	2.50	22.48	37.50	0.00	0.00	0.00	0.00	40.00	43.75	2	50	0	3	2	5.00	CS	9.17	366.80				
C0239	5.19	87	32U	12.22	4.00	2.20	2.00	5.64	8.00	0.00	6.79	0.00	4.00	10.00	18.00	2	40	46	3	2	3.67	PS					5.19	51.90
C0240	18.37	87	31	91.27	25.00	26.71	18.50	8.42	10.50	7.46	0.00	0.00	0.00	29.00	54.00	6	32	0	3	2	3.71	PS					18.37	532.73
C0240	0.15	87	31U	91.27	25.00	26.71	18.50	8.42	10.50	7.46	0.00	0.00	0.00	29.00	54.00	6	32	0	3	2	3.71	PS					0.15	4.35
C0245	12.06	87	31	70.10	18.50	42.49	29.50	9.87	14.50	12.32	2.69	0.48	2.50	44.00	65.00	1	26	6	3	2	4.11	PS					12.06	530.64
EE0225	2.88	94	31	75.01	20.50	21.53	14.50	14.25	22.00	5.24	4.31	1.67	6.00	36.50	63.00	6	25	14	3	1	4.05	PS					2.88	105.12
pp194*	2.55	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH					2.55	0.00
pp195*	2.26	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH					2.26	0.00
pp196*	0.18	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH					0.18	0.00
pp199*	11.05	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH					11.05	0.00
pp33*	10.19	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH					10.19	0.00
pp739*	1.81	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH					1.81	0.00
Q0204	0.36	57	31	59.33	17.37	26.80	18.42	9.92	15.26	30.67	2.70	0.00	1.58	33.68	52.63	6	32	7	3	1	3.78	PS					0.36	12.12
Q0205	8.49	102	31	22.10	5.00	6.93	5.00	12.92	27.50	11.22	10.11	6.91	18.75	32.50	56.25	8	18	46	3	1	3.23	PS					8.49	275.93
Q0208	10.46	56	31	17.58	5.00	22.22	16.50	15.90	21.00	7.81	2.19	1.31	3.00	37.50	45.50	2	35	8	3	1	4.41	PS					10.46	392.25
Q0215	6.58	20	10	132.54	29.00	1.34	1.00	0.65	1.00	21.70	3.48	0.91	3.00	2.00	34.00	5	14	69	3	1	2.01	NH					6.58	13.16
Q0217	22.56	54	31	17.06	4.50	20.83	15.50	14.73	19.50	9.90	2.08	0.00	1.50	35.00	41.00	2	33	6	3	1	4.27	PS					22.56	789.60
Q0218	7.25	20	25	58.68	17.14	14.71	10.00	0.90	1.43	30.20	6.38	1.16	5.71	11.43	34.29	4	17	33	3	1	2.15	NH					7.25	82.87
Q0219	4.20	62	31	103.84	30.00	13.27	10.00	2.44	2.50	6.82	3.08	0.00	2.50	12.50	45.00	6	15	16	3	1	2.67	PS					4.20	52.50
	293.40																						9.17	366.80	0.00	0.00	283.84	8,884.98

REMOVALS									
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
pp33*	2009	69741	Alternate 19D/K OSUT Training Area					6.93	0.00
Q0208	2009	69741	Alternate 19D/K OSUT Training Area					4.67	175.13
Q0215	2009	69741	Alternate 19D/K OSUT Training Area					2.38	4.76
Q0217	2009	69741	Alternate 19D/K OSUT Training Area					11.89	416.15
Q0218	2009	69741	Alternate 19D/K OSUT Training Area					1.95	22.29
				TOTAL REMOVALS	0.00	0.00	0.00	27.82	618.33

POST-PROJECT			
	2009		
Suitable Habitat	9.17	366.80	
Potentially Suitable Habitat	0.00	0.00	
Future Potential Habitat	256.02	8,266.65	
TOTAL	265.19	8,633.45	

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
0= no data available
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
21P = Longleaf Pine Plantation
25 = Mixed Pine
31 = Loblolly Pine
31P = Loblolly Pine Plantation
31U = Loblolly Pine Underplanted
32U = Shortleaf Pine Underplanted

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Appendix Table H-81. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **D05-02R, Alternatives A and B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																																	
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems >14" dbh	Hwd BA >10" dbh	Pine BA >10" dbh	Total Stand BA (Pines + Hwds)	Hwd. Midstory Height Density	HGC (%)	% Hwd. Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA						
D0508	3.45	53	11	8.32	2.00	4.24	3.00	9.81	18.50	78.03	19.09	6.75	23.50	21.50	47.00	7	7	65	3	1	0						3.45	74.18					
D0509	1.56	65	21	4.28	1.00	8.44	6.00	16.67	27.50	28.86	6.64	3.62	10.00	33.50	44.50	1	31	29	3	1	1	1.56	52.26										
D0510	19.04	45	31	16.97	4.00	16.52	12.50	17.68	28.00	6.41	1.11	3.20	7.50	40.50	52.00	1	34	11	3	1	1	19.04	771.12										
D0512	82.87	60	21	2.50	1.00	10.73	8.00	17.09	28.00	1.24	0.55	1.16	2.50	36.00	39.50	1	36	6	3	1	1	82.87	2,983.32										
D0513	22.08	59	25	18.35	4.50	33.22	24.00	19.71	27.50	2.28	3.53	0.91	4.00	51.50	60.00	1	35	8	3	1	1	22.08	1,137.12										
D0514	35.42	52	21	11.97	2.50	1.31	1.00	12.15	21.00	2.46	1.50	0.84	3.00	22.00	27.50	2	33	15	3	1	0					35.42	779.24						
D0604	4.73	84	13	16.37	4.00	4.40	3.50	18.90	42.00	44.26	9.61	3.65	12.00	45.50	61.50	6	4	36	3	1	0			0.00	0.00								
pp226*	0.05	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00						
169.20																						125.55		4,943.82		0.00		0.00		38.87		853.42	

REMOVALS									
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
D0510	2009	69743	Southern Training Area Infrastructure-Maneuver Area	14.26	577.53				
D0512	2009	69743	Southern Training Area Infrastructure-Maneuver Area	6.00	216.00				
D0513	2009	69743	Southern Training Area Infrastructure-Maneuver Area	14.24	733.36				
D0514	2009	69743	Southern Training Area Infrastructure-Maneuver Area			26.88	591.36		
TOTAL REMOVALS				34.50	1,526.89	0.00	0.00	26.88	591.36

POST-PROJECT			2009
Suitable Habitat	Acres	BA	91.05 3,416.93
Potentially Suitable Habitat	0.00	0.00	
Future Potential Habitat	11.99	262.06	
TOTAL	103.04	3,678.99	

Key:		
BA= basal area	Type Burn:	Stand Score
dbh= diameter at breast height	0=no data available	0=unsuitable
hwd= hardwood	1=non-growing season	1=suitable
hgc= herbaceous ground cover	2=growing season	
Hardwood Midstory:	Forest Type:	
1 = low, sparse	11 = Longleaf Pine-Hardwood	
2 = low, moderate	13 = Loblolly Pine-Hardwood	
3 = low, dense	21 = Longleaf Pine	
4 = medium, sparse	21P = Longleaf Pine Plantation	
5 = tall, sparse	25 = Mixed Pine	
6 = medium, moderate	31 = Loblolly Pine	
7 = tall, moderate		
8 = medium, dense		
9 = tall, dense		
* Note: No pine data was collected for pine plantation stands less than 30 years old.		
Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.		

Appendix Table H-82. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **D05-02R, Alternatives A and B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																													
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine Stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems >14" dbh	Hwd BA >10" dbh	Pine BA >10" dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height Density	Hwd Midstory HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA	
D0508	3.45	53	11	8.32	2.00	4.24	3.00	9.81	18.50	78.03	19.09	6.75	23.50	21.50	47.00	7	7	65	3	1	3.12	PS					3.45	74.18	
D0509	1.56	65	21	4.28	1.00	8.44	6.00	16.67	27.50	28.86	6.64	3.62	10.00	33.50	44.50	1	31	29	3	1	4.36	PS					1.56	52.26	
D0510	19.04	45	31	16.97	4.00	16.52	12.50	17.68	28.00	6.41	1.11	3.20	7.50	40.50	52.00	1	34	11	3	1	4.25	PS					19.04	771.12	
D0512	82.87	60	21	2.50	1.00	10.73	8.00	17.09	28.00	1.24	0.55	1.16	2.50	36.00	39.50	1	36	6	3	1	4.54	PS					82.87	2,983.32	
D0513	22.08	59	25	18.35	4.50	33.22	24.00	19.71	27.50	2.28	3.53	0.91	4.00	51.50	60.00	1	35	8	3	1	4.61	PS					22.08	1,137.12	
D0514	35.42	52	21	11.97	2.50	1.31	1.00	12.15	21.00	2.46	1.50	0.84	3.00	22.00	27.50	2	33	15	3	1	4.09	PS					35.42	779.24	
D0804	4.73	84	13	16.37	4.00	4.40	3.50	18.90	42.00	44.26	9.61	3.65	12.00	45.50	61.50	6	4	96	3	1	3.96	CS		0.00	0.00	0.00	0.00		
pp226*	0.05	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH					0.00	0.00	
169.20																							0.00	0.00	0.00	0.00	164.42	5,797.24	

REMOVALS							
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed
D0510	2009	69743	Southern Training Area Infrastructure-Maneuver Area				14.26
D0512	2009	69743	Southern Training Area Infrastructure-Maneuver Area				6.00
D0513	2009	69743	Southern Training Area Infrastructure-Maneuver Area				14.24
D0514	2009	69743	Southern Training Area Infrastructure-Maneuver Area				26.88
2009 SUB-TOTAL				0.00	0.00	0.00	61.38

POST-PROJECT		
	2009	
Suitable Habitat	Acres	BA
Potentially Suitable Habitat	0.00	0.00
Future Potential Habitat	103.04	3,678.99
TOTAL	103.04	3,678.99

Key:		
BA= basal area	Type Burn:	Suitability
dbh= diameter at breast height	0=no data available	CS= currently suitable
hwd= hardwood	1=non-growing season	PS= potentially suitable
hgc= herbaceous ground cover	2=growing season	NH= non-habitat
Hardwood Midstory:	Forest Type:	
1 = low, sparse	11 = Longleaf Pine-Hardwood	
2 = low, moderate	13 = Loblolly Pine-Hardwood	
3 = low, dense	21 = Longleaf Pine	
4 = medium, sparse	21P = Longleaf Pine Plantation	
5 = tall, sparse	25 = Mixed Pine	
6 = medium, moderate	31 = Loblolly Pine	
7 = tall, moderate		
8 = medium, dense		
9 = tall, dense		
* Note: No pine data was collected for pine plantation stands less than 30 years old.		
Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.		

PRE-PROJECT														Number of years since last burn			Matrix Stand Score		Suitable Acreage		Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA					
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10' dbh	Pine BA 4-10' dbh	Pine Stems 10-14' dbh	Pine BA 10-14' dbh	Pine stems ≥14' dbh	Pine BA ≥14' dbh	Hwd Stems 4-10' dbh	Hwd Stems 10-14' dbh	Hwd Stems > 14' dbh	Hwd BA > 10' dbh	Pine BA > 10' dbh (Pines + Hwds)	Total Stand Density	Hwd Midstory Height	HGC (%)	% Hwd Canopy	Burn Type	Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA			
D0410	10.46	49	31	18.68	7.50	40.08	29.50	14.40	20.50	0.00	0.92	0.00	0.50	50.00	58.00	1	30	2	3	2	1	10.46	523.00						
D0411	5.31	41	21	43.28	12.94	12.42	9.41	7.50	10.59	3.00	0.00	0.00	0.00	20.00	32.94	1	24	0	3	2	0					5.31	106.20		
D0412	20.42	47	13	7.79	2.50	12.13	9.50	14.44	21.50	0.00	1.33	4.11	9.50	31.00	43.00	2	39	17	3	2	1	20.42	633.02						
D0413	47.97	76	31	11.37	3.50	20.39	15.50	15.70	24.00	1.11	0.00	0.69	2.00	39.50	45.00	1	21	2	3	2	1	47.97	1,894.82						
D0414	7.30	NM	53**	6.16	1.50	0.52	0.50	2.71	5.00	13.18	6.92	17.90	17.00	5.50	24.00	2	17	81	3										
D0415	49.02	50	31	15.43	4.50	19.88	14.50	19.02	27.50	0.00	0.58	0.67	1.50	42.00	48.00	1	41	3	3	2	1	49.02	2,058.84				0.00	0.00	
D0509	13.99	65	21	4.28	1.00	6.44	6.00	16.67	27.50	28.86	6.64	3.62	10.00	33.50	44.50	1	31	29	3	1	1	13.99	468.67						
D0510	65.71	45	31	16.97	4.00	18.52	12.50	17.68	28.00	6.41	1.11	3.20	7.50	40.00	52.00	1	34	11	3	1	1	65.71	2,661.26						
F0201	3.26	45	25	3.18	1.11	17.78	0.00	0.00	29.01	0.00	0.00	0.00	0.00	32.32	51.00	1	12	0	3				6.52	326.00					
F0202	3.17	53	22P	9.59	0.00	22.76	18.00	13.51	18.00	0.00	0.53	0.00	0.50	36.00	38.50	1	25	1	3	1	1	3.17	114.12						
F0203	0.78	53	10	5.81	2.00	6.52	4.50	9.23	14.50	8.64	3.28	3.75	9.00	19.00	30.00	1	24	31	3	1	0					0.78	14.82		
K2102	0.14	63	21	24.21	5.79	18.01	13.16	17.01	25.79	13.37	6.43	2.47	7.89	38.95	52.63	1	12	20	3	1	1	0.14	5.45						
K2104	6.88	52	31	21.32	6.00	18.25	14.00	19.08	27.00	0.00	0.00	0.00	0.00	41.00	47.00	2	45	0	3	1	1	6.88	282.08						
K2106	0.00	58	21P	7.08	1.67	18.46	16.16	17.44	25.46	5.48	0.46	0.73	1.11	25.36	27.78	2	36	2	3	1	0	0.08	3.20						
K2219	16.23	65	21	22.33	5.88	11.11	8.24	9.77	15.29	4.95	0.94	0.55	1.76	23.53	31.18	1	15	7	3	1	0					16.23	381.89		
K2220	19.51	51	31	19.33	6.00	14.89	11.00	20.80	30.00	3.09	0.00	0.24	0.50	41.50	48.00	1	34	1	3	1	1	19.51	503.07						
pp966*	11.78	1	21P	0.00	0.00	0.00																							

<u>POST-PROJECT</u>	<u>2009</u>		<u>2010</u>	
	<u>Acres</u>	<u>BA</u>	<u>Acres</u>	<u>BA</u>
Suitable Habitat	133.11	5,184.52	122.15	4,747.26

Appendix Table H-84. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **D05-04R, Alternatives A and B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																													
Stand	Acres	Pine Age	Forest Type	Pine Stems 4- 10" dbh	Pine BA 4- 10" dbh	Pine Stems 10- 14" dbh	Pine BA 10- 14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10- 14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10" dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA	
D0410	10.46	49	31	18.68	7.50	40.08	29.50	14.40	20.50	0.00	0.92	0.00	0.50	50.00	58.00	1	30	2	3	2	4.15	PS					10.46	523.00	
D0411	5.31	41	21	43.28	12.94	12.42	9.41	7.50	10.59	3.00	0.00	0.00	0.00	20.00	32.94	1	24	0	3	2	3.24	PS					5.31	106.20	
D0412	20.42	47	13	7.79	2.50	12.13	9.50	14.44	21.50	0.00	1.33	4.11	9.50	31.00	43.00	2	39	17	3	2	4.05	PS					20.42	633.02	
D0413	47.97	76	31	11.37	3.50	20.39	15.50	15.70	24.00	1.11	0.00	0.69	2.00	39.50	45.00	1	21	2	3	2	4.28	PS					47.97	1,894.82	
D0414	7.30	NM	53**	6.16	1.50	0.52	0.50	2.71	5.00	13.18	6.92	6.90	17.00	5.50	24.00	2	17	81	3	2	2.60	NH					0.00	0.00	
D0415	49.02	50	31	15.43	4.50	19.88	14.50	19.02	27.50	0.00	0.58	0.67	1.50	42.00	48.00	1	41	3	3	2	4.41	PS					49.02	2,058.84	
D0509	13.99	65	21	4.28	1.00	8.44	6.00	16.67	27.50	28.86	6.64	3.62	10.00	33.50	44.50	1	31	29	3	1	4.23	PS					13.99	468.67	
D0510	65.71	45	31	16.97	4.00	16.52	12.50	17.68	28.00	6.41	1.11	3.20	7.50	40.50	52.00	1	34	11	3	1	4.00	PS					65.71	2,661.26	
F0201	6.52	45	25	3.18	1.11	23.01	17.78	23.30	32.22	0.00	0.00	0.00	0.00	50.00	51.11	1	12	0	3	1	3.95	PS					6.52	326.00	
F0202	3.17	53	22P	9.59	2.00	22.76	18.00	13.51	18.00	0.00	0.53	0.00	0.50	36.00	38.50	1	25	1	3	1	3.85	PS					3.17	114.12	
F0203	0.78	53	10	5.81	2.00	6.52	4.50	9.23	14.50	8.64	3.28	3.75	9.00	19.00	30.00	1	24	31	3	1	3.41	PS					0.78	14.82	
K2102	0.14	63	21	24.21	5.79	18.01	13.16	17.01	25.79	13.37	6.43	2.47	7.89	38.95	52.63	1	12	20	3	1	4.01	PS					0.14	5.45	
K2104	6.88	52	31	21.32	6.00	18.25	14.00	19.08	27.00	0.00	0.00	0.00	0.00	41.00	47.00	2	45	0	3	1	4.38	PS					6.88	282.08	
K2106	0.08	58	21	7.08	1.67	18.46	14.44	16.16	25.56	5.48	0.00	0.73	1.11	40.00	42.78	2	36	2	3	1	4.14	PS					0.08	3.20	
K2219	16.23	65	21	22.33	5.88	11.11	8.24	9.77	15.29	4.95	0.94	0.55	1.76	23.53	31.18	1	15	7	3	1	3.62	PS					16.23	381.89	
K2220	19.51	51	31	19.33	6.00	14.89	11.00	20.80	30.50	3.09	0.00	0.24	0.50	41.50	48.00	1	34	1	3	1	4.29	PS					19.51	809.67	
pp966*	11.78	1	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0.00	NH					11.78	0.00	
pp967*	3.97	1	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0.00	NH					3.97	0.00	
pp968*	5.33	1	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0.00	NH					5.33	0.00	
pp969*	3.45	1	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0.00	NH					3.45	0.00	
298.02																							0.00	0.00	0.00	0.00	290.72	10,283.04	

REMOVALS										Suitable Acreage Removed						Potentially Suitable Acreage Removed		Potentially Suitable BA Removed		Future Potential Acreage Removed		Future Potential BA Removed					
Stand	Fiscal Year	Project Number	Project Name																								
D0413	2009	69743	Southern Training Area Infrastructure-Maneuver Area																		9.41		371.70				
D0415	2009	69743	Southern Training Area Infrastructure-Upgrade Paved Road and Tank Trails																		2.47		103.74				
D0415	2009	69743	Southern Training Area Infrastructure-Maneuver Area																		40.06		1,682.52				
D0510	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails																		1.23		49.82				
D0510	2009	69743	Southern Training Area Infrastructure-Maneuver Area																		36.93		1,495.67				
F0201	2009	69743	Southern Training Area Infrastructure-Upgrade Paved Road and Tank Trails																		3.66		183.00				
F0201	2009	69743	Southern Training Area Infrastructure-Maneuver Area																		2.87		143.50				
F0202	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails																		1.00		36.00				
F0202	2009	69743	Southern Training Area Infrastructure-Maneuver Area																		2.18		78.48				
F0203	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails																		0.68		12.92				
F0203	2009	69743	Southern Training Area Infrastructure-Maneuver Area																		0.09		1.71				
K2102	2009	69743	Southern Training Area Infrastructure-Maneuver Area																		0.14		5.45				
K2104	2009	69743	Southern Training Area Infrastructure-Maneuver Area																		5.78		236.98				
K2219	2009	69743	Southern Training Area Infrastructure-Maneuver Area																		12.86		302.60				
K2220	2009	69743	Southern Training Area Infrastructure-Maneuver Area																		5.03		208.75				
pp967*	2009	69743	Southern Training Area Infrastructure-Maneuver Area																		3.97		0.00				
pp968*	2009	69743	Southern Training Area Infrastructure-Maneuver Area																		5.33		0.00				
pp968*	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails																		0.55		0.00				
pp969*	2009	69743	Southern Training Area Infrastructure-Maneuver Area																		2.90		0.00				
2009 SUB-TOTAL										0.00	0.00	0.00	0.00	0.00	0.00	137.14	4,912.84										
D0412	2010	65557	Repair Existing Training Area Roads																		1.37		42.47				
D0413	2010	65557	Repair Existing Training Area Roads																		2.15		84.93				
D0415	2010	65557	Repair Existing Training Area Roads																		3.53		148.26				
K2104	2010	65557	Repair Existing Training Area Roads																		1.10		45.10				
K2106	2010	65557	Repair Existing Training Area Roads																		0.08		3.20				
K2219	2010	65557	Repair Existing Training Area Roads																		2.53		59.53				
K2220	2010	65557	Repair Existing Training Area Roads																		2.73		113.30				
2010 SUB-TOTAL										0.00	0.00	0.00	0.00	0.00	0.00	13.49	496.79										
TOTAL REMOVALS										0.00	0.00	0.00	0.00	0.00	0.00	150.63	5,409.63										

POST-PROJECT					
	2009		2010		
Suitable Habitat	0.00	0.00	0.00	0.00	
Potentially Suitable Habitat	0.00	0.00	0.00	0.00	
Future Potential Habitat	153.58	5,370.20	140.09	4,873.41	
TOTAL	153.58	5,370.20	140.09	4,873.41	

Appendix Table H-85. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **D06-01R , Alternatives A and B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																																														
Stand	Acres	Pine Age	Forest Type	Pine Stems 4- 10" dbh	Pine BA 4- 10" dbh	Pine Stems 10-14" dbh	Pine BA 10- 14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4- 10" dbh	Hwd Stems 10- 14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10" dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA																			
D0602	2.21	84	31	201.28	55.00	21.90	15.00	0.00	0.00	0.00	0.00	0.00	0.00	15.00	70.00	6	0	0	3	1	0				0.00	0.00																				
D0604	12.08	84	13	16.37	4.00	4.40	3.50	18.90	42.00	44.26	9.61	3.65	12.00	45.50	61.50	6	4	36	3	1	0																									
D0606	33.61	64	25U	7.12	1.50	3.15	2.50	15.63	29.00	10.82	3.85	3.52	8.50	31.50	41.50	1	2	28	3	1	1	33.61	1,058.72																							
D0608	4.47	66	31P	442.56	110.00	4.97	2.50	0.00	0.00	17.24	0.00	0.00	0.00	2.50	112.50	1	0	0	3	1	0				4.47	11.18																				
D0611	8.88	12	31P	296.20	72.50	4.24	2.50	0.00	0.00	0.00	0.00	1.43	2.50	2.50	77.50	1	1	25	3	1	0				8.88	22.20																				
D0614	7.57	94	25	25.39	6.00	5.33	4.00	14.99	25.00	6.55	5.59	1.49	6.50	29.00	41.50	2	40	26	3	1	0				7.57	219.53																				
D0616	13.21	76	31	13.25	4.00	9.77	7.00	10.54	15.50	14.33	1.71	1.61	4.00	22.50	30.50	2	38	14	3	1	0				13.21	297.23																				
D1621	22.22	51	31	11.62	4.00	19.00	13.50	12.50	17.00	15.39	5.32	1.06	5.50	30.50	40.00	1	32	17	3	1	1	22.22	677.71																							
D1628	7.29	43	21	41.37	12.50	18.19	13.50	11.76	16.50	7.55	5.41	1.48	5.50	30.00	48.00	1	29	19	3	1	1	7.29	218.70																							
D1629	10.71	64	31	25.57	7.00	7.44	5.00	13.76	22.00	6.92	2.23	2.37	6.00	27.00	40.00	2	32	18	3	1	0				10.71	289.17																				
D1630	27.73	74	26U	14.62	3.50	0.64	0.50	12.96	23.00	6.41	0.88	4.58	8.00	23.50	35.00	1	5	29	3	1	0				27.73	651.66																				
pp225*	5.62	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0				5.62	0.00																				
pp226*	1.06	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0				1.06	0.00																				
pp234*	1.73	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0				1.73	0.00																				
pp408*	0.35	12	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0				0.35	0.00																				
pp410*	9.99	12	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0				9.99	0.00																				
pp804*	0.38	12	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0				0.38	0.00																				
pp921*	0.57	2	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0				0.57	0.00																				
169.68																																														
																						63.12	1,955.13	0.00	0.00	92.27	1,490.97																			

REMOVALS																			
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed										
D0606	2009	69743	Southern Training Area Infrastructure-Maneuver Area	0.03	0.95														
D0608	2009	69743	Southern Training Area Infrastructure-Maneuver Area					4.47	11.18										
D0611	2009	69743	Southern Training Area Infrastructure-Maneuver Area					0.09	0.23										
D0614	2009	69743	Southern Training Area Infrastructure-Maneuver Area					5.01	145.29										
D0614	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					1.55	44.95										
D0616	2009	69743	Southern Training Area Infrastructure-Maneuver Area					8.08	181.80										
D0616	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					1.38	31.05										
D1630	2009	69743	Southern Training Area Infrastructure-Maneuver Area					2.56	60.16										
D1630	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					0.75	17.63										
pp225*	2009	69743	Southern Training Area Infrastructure-Maneuver Area					2.54	0.00										
pp225*	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					1.78	0.00										
pp226*	2009	69743	Southern Training Area Infrastructure-Maneuver Area					0.85	0.00										
pp408*	2009	69743	Southern Training Area Infrastructure-Maneuver Area					0.25	0.00										
pp410*	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					3.79	0.00										
pp410*	2009	69743	Southern Training Area Infrastructure-Maneuver Area					5.91	0.00										
pp804*	2009	69743	Southern Training Area Infrastructure-Maneuver Area					0.38	0.00										
TOTAL REMOVALS				0.03	0.95	0.00	0.00	39.39	492.29										

POST-PROJECT											
		2009		non-contiguous habitat		2009 TOTAL					
		Acres	BA	Acres	BA	Acres	BA				
Suitable Habitat		63.09	1,954.18	0.00	0.00	63.09	1,954.18				
Potentially Suitable Habitat		0.00	0.00	0.00	0.00	0.00	0.00				
Future Potential Habitat		52.88	998.68	13.94	135.64	38.94	863.04				
TOTAL		115.97	2,952.86	13.94	135.64	102.03	2,817.22				

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Stands D0611, D0614, D0616, pp408 and pp410 are non-contiguous as a result of project impacts and can no longer be counted towards the available foraging habitat for the partition.

Appendix Table H-86. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster**D06-01R, Alternatives A and B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																												
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems >14" dbh	Hwd BA >10" dbh	Pine BA >10" dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
D0602	2.21	84	31	201.28	55.00	21.90	15.00	0.00	0.00	0.00	0.00	0.00	0.00	15.00	70.00	6	0	0	3	1	2.70	PS					0.00	0.00
D0604	12.08	84	13	16.37	4.00	4.40	3.50	18.90	42.00	44.26	9.61	3.65	12.00	45.50	61.50	6	4	36	3	1	3.96	PS			0.00	0.00		
D0606	33.61	64	25U	7.12	1.50	3.15	2.50	15.63	29.00	10.82	3.85	3.52	8.50	31.50	41.50	1	2	28	3	1	4.00	PS					33.61	1,058.72
D0608	4.47	66	31P	442.56	110.00	4.97	2.50	0.00	0.00	17.24	0.00	0.00	0.00	2.50	112.50	1	0	0	3	1	2.92	PS					4.47	11.18
D0611	8.88	12	31P	296.20	72.50	4.24	2.50	0.00	0.00	0.00	0.00	1.43	2.50	2.50	77.50	1	1	25	3	1	2.18	NH				8.88	22.20	
D0614	7.57	94	25	25.39	6.00	5.33	4.00	14.99	25.00	6.55	5.59	1.49	6.50	29.00	41.50	2	40	26	3	1	4.29	PS					7.57	219.53
D0616	13.21	76	31	13.25	4.00	9.77	7.00	10.54	15.50	14.33	1.71	1.61	4.00	22.50	30.50	2	38	14	3	1	4.09	PS					13.21	297.23
D1621	22.22	51	31	11.62	4.00	19.00	13.50	12.50	17.00	15.39	5.32	1.06	5.50	30.50	40.00	1	32	17	3	1	3.94	PS					22.22	677.71
D1628	7.29	43	21	41.37	12.50	18.19	13.50	11.76	16.50	7.55	5.41	1.48	5.50	30.00	48.00	1	29	19	3	1	3.62	PS					7.29	218.70
D1629	10.71	64	31	25.57	7.00	7.44	5.00	13.76	22.00	6.92	2.23	2.37	6.00	27.00	40.00	2	32	18	3	1	4.35	PS					10.71	289.17
D1630	27.73	74	26U	14.62	3.50	0.64	0.50	12.96	23.00	6.41	0.88	4.58	8.00	23.50	35.00	1	5	29	3	1	3.49	PS					27.73	651.66
pp225*	5.62	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH					5.62	0.00
pp226*	1.06	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH					1.06	0.00
pp234*	1.73	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH					1.73	0.00
pp408*	0.35	12	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH					0.35	0.00
pp410*	9.99	12	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH					9.99	0.00
pp804*	0.38	12	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH					0.38	0.00
pp921*	0.57	2	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH					0.57	0.00
169.68																							0.00	0.00	0.00	0.00	155.39	3,446.10

REMOVALS		Fiscal	Project	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
Stand	Year	Number								
D0606	2009	69743		Southern Training Area Infrastructure-Maneuver Area					0.03	0.95
D0608	2009	69743		Southern Training Area Infrastructure-Maneuver Area					4.47	11.18
D0611	2009	69743		Southern Training Area Infrastructure-Maneuver Area					0.09	0.23
D0614	2009	69743		Southern Training Area Infrastructure-Maneuver Area					5.01	145.29
D0614	2009	69743		Southern Training Area Infrastructure-Upgrade Tank Trails					1.55	44.95
D0616	2009	69743		Southern Training Area Infrastructure-Maneuver Area					8.08	181.80
D0616	2009	69743		Southern Training Area Infrastructure-Upgrade Tank Trails					1.38	31.05
D1630	2009	69743		Southern Training Area Infrastructure-Maneuver Area					2.56	60.16
D1630	2009	69743		Southern Training Area Infrastructure-Upgrade Tank Trails					0.75	17.63
pp225*	2009	69743		Southern Training Area Infrastructure-Maneuver Area					2.54	0.00
pp225*	2009	69743		Southern Training Area Infrastructure-Upgrade Tank Trails					1.78	0.00
pp226*	2009	69743		Southern Training Area Infrastructure-Maneuver Area					0.85	0.00
pp408*	2009	69743		Southern Training Area Infrastructure-Maneuver Area					0.25	0.00
pp410*	2009	69743		Southern Training Area Infrastructure-Upgrade Tank Trails					3.79	0.00
pp410*	2009	69743		Southern Training Area Infrastructure-Maneuver Area					5.91	0.00
pp804*	2009	69743		Southern Training Area Infrastructure-Maneuver Area					0.38	0.00
TOTAL REMOVALS					0.00	0.00	0.00	0.00	39.42	493.24

POST-PROJECT		2009	non-contiguous habitat		2009 TOTAL
Suitable Habitat	Acres	BA	Acres	BA	Acres
Potentially Suitable Habitat	0.00	0.00	0.00	0.00	0.00
Future Potential Habitat	115.97	2,952.86	13.94	135.64	102.03
TOTAL	115.97	2,952.86	13.94	135.64	2,817.22

Key:	Type Burn:	Suitability
BA= basal area	0= no data available	CS= currently suitable
dbh= diameter at breast height	1= non-growing season	PS= potentially suitable
hw= hardwood	2= growing season	NH= non-habitat
hgc= herbaceous ground cover		
Hardwood Midstory:	Forest Type:	
1 = low, sparse	13 = Loblolly Pine-Hardwood	
2 = low, moderate	21 = Longleaf Pine	
3 = low, dense	21P = Longleaf Pine Plantation	
4 = medium, sparse	25 = Mixed Pine	
5 = tall, sparse	25U = Mixed Pine Underplanted	
6 = medium, moderate	26U = Mixed Pine-Longleaf Underplanted	
7 = tall, moderate	31 = Loblolly Pine	
8 = medium, dense	31P = Loblolly Pine Plantation	
9 = tall, dense		

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Stands D0611, D0614, D0616, pp408 and pp410 are non-contiguous as a result of project impacts and can no longer be counted towards the available foraging habitat for the partition.

Appendix Table H-87. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **D08-01R, Alternatives A and B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																											
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems >14" dbh	Hwd BA >10" dbh	Pine BA >10" dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
D0717	0.97	20	31P	311.72	98.00	37.62	22.00	0.00	0.00	9.32	0.00	0.00	0.00	22.00	120.00	1	11	0	3	1	0				0.00	0.00	
D0719	6.47	51	10	45.10	13.33	10.86	7.78	5.94	9.44	10.65	9.20	5.95	15.00	17.22	45.56	6	27	47	3	1	0				0.00	0.00	
D0721	0.37	36	ND	31.13	5.71	15.69	11.43	23.80	35.71	0.00	9.33	6.71	15.71	47.14	68.57	2	17	29	3	1	0				0.00	0.00	
D0805	30.49	93	66****	6.35	1.50	1.06	1.00	3.06	5.00	36.40	29.84	13.02	40.00	6.00	47.50	7	11	91	3	1	0				0.00	0.00	
D0808	12.65	79	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0				12.65	0.00	
D0809	43.77	56	32	28.96	8.95	29.61	20.53	15.32	21.58	4.24	4.59	2.76	6.84	42.11	57.89	1	37	14	3	1	1	43.77	1,843.15				
D0811	17.85	100	31	11.97	3.00	2.23	2.00	7.34	12.00	2.03	4.53	1.79	7.00	14.00	24.00	2	26	40	3	1	0				17.85	249.90	
D0813	8.75	91	42**	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0				0.00	0.00	
D0815	14.21	91	32	17.46	4.50	13.81	9.00	3.16	5.00	27.37	9.27	1.20	8.00	14.00	26.50	1	32	38	3	1	0				14.21	198.94	
D0818	42.24	84	32	23.72	6.32	16.83	12.63	11.94	18.42	8.98	3.43	0.87	4.21	31.05	41.58	1	29	13	3	1	1	42.24	1,311.55				
D0819	51.27	63	42**	3.00	1.05	3.35	2.11	7.35	12.11	36.18	25.41	10.51	34.21	14.21	49.47	2	22	77	3	1	0				0.00	0.00	
D0820	0.38	106	57***	6.05	1.67	2.44	1.67	3.66	5.56	2.31	5.63	3.76	10.00	7.22	18.89	1	47	61	3	1	0				0.00	0.00	
D0914	0.82	59	31U	2.85	1.05	6.12	4.74	18.10	30.00	9.51	0.91	0.67	1.58	34.74	37.37	2	23	6	3	1	1	0.00	0.00				
D0915	36.32	59	32	31.55	7.50	8.92	6.88	11.07	16.88	6.89	5.55	2.28	6.88	23.75	38.13	2	32	28	3	1	0				36.32	862.60	
D0915	0.07	59	32U	31.55	7.50	8.92	6.88	11.07	16.88	6.89	5.55	2.28	6.88	23.75	38.13	2	32	28	3	1	0				0.07	1.66	
D0916	2.00	0	NM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0				2.00	0.00	
D0917	4.17	0	NM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0				4.17	0.00	
D0904	1.69	69	25U	7.74	3.33	11.06	8.33	19.86	35.00	20.16	2.44	2.30	6.67	43.33	53.33	1	18	13	3	1	1	0.00	0.00				
D0905	11.91	69	25	23.06	7.50	23.81	17.50	14.01	18.00	2.68	1.40	0.26	1.50	35.50	44.50	1	31	4	3	1	1	0.00	0.00				
D0312	0.17	61	25	74.91	21.50	24.15	16.00	6.08	8.50	14.02	0.90	0.00	0.50	24.50	46.50	1	20	3	3	1	0				0.17	4.17	
D0402	12.90	41	25	21.76	5.00	12.22	9.50	15.30	24.00	2.31	0.79	0.65	2.00	33.50	40.50	1	46	5	3	1	1	0.00	0.00				
pp115*	5.94	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0				5.94	0.00	
pp116*	5.13	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0				5.13	0.00	
pp117*	16.74	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0				16.74	0.00	
pp233*	1.33	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0				0.00	0.00	
pp437*	3.53	13	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0				3.53	0.00	
pp438*	5.64	13	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0				5.64	0.00	
pp439*	6.83	13	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0				6.83	0.00	
344.61																						86.01	3,154.70	0.00	0.00	131.25	1,317.27

REMOVALS									
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
D0808	2009	69743	Southern Training Area Infrastructure-Maneuver Area					3.82	0.00
D0809	2009	69743	Southern Training Area Infrastructure-Maneuver Area	43.77	1,843.15				
D0818	2009	69743	Southern Training Area Infrastructure-Maneuver Area	2.63	81.66				
D0915	2009	69743	Southern Training Area Infrastructure-Maneuver Area					29.05	689.94
D0915	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					2.22	52.73
D0916	2009	69743	Southern Training Area Infrastructure-Maneuver Area					0.66	0.00
D0917	2009	69743	Southern Training Area Infrastructure-Maneuver Area					3.01	0.00
D0312	2009	69743	Southern Training Area Infrastructure-Maneuver Area					0.17	4.17
pp115*	2009	69743	Southern Training Area Infrastructure-Maneuver Area					0.61	0.00
TOTAL REMOVALS				46.40	1,924.82	0.00	0.00	39.54	746.83

POST-PROJECT			2009
Suitable Habitat	Acres	BA	39.61 1,229.88
Potentially Suitable Habitat	0.00	0.00	
Future Potential Habitat	91.71	570.44	
TOTAL	131.32	1,800.32	

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
21P = Longleaf Pine Plantation
25 = Mixed Pine
25U = Mixed Pine Underplanted
31 = Loblolly Pine
31P = Loblolly Pine Plantation
31U = Loblolly Pine Underplanted
32 = Shortleaf Pine
32U = Shortleaf Pine Underplanted
42** = Upland Hardwood-Yellow Pine (managed for hardwoods)
57*** = Scrub Oak (managed for hardwoods)
66**** = Oak-Hickory (managed for hardwoods)
ND = No data provided
NM = Not managed

* Note: No pine data was collected for pine plantation stands less than 30 years old.
Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Appendix Table H-88. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **D08-01R, Alternatives A and B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																												
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10' dbh	Pine BA 4-10' dbh	Pine Stems 10-14' dbh	Pine BA 10-14' dbh	Pine Stems >14' dbh	Pine BA >14' dbh	Hwd Stems 4-10' dbh	Hwd Stems 10-14' dbh	Hwd Stems >14' dbh	Hwd BA >10' dbh	Pine BA >10' dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
D0717	0.97	20	31P	311.72	98.00	37.62	22.00	0.00	0.00	9.32	0.00	0.00	0.00	22.00	120.00	1	11	0	3	1	2.52	NH					0.00	0.00
D0719	6.47	51	10	45.10	13.33	10.86	7.78	5.94	9.44	10.65	9.20	5.95	15.00	17.22	45.56	6	27	47	3	1	2.87	PS					0.00	0.00
D0721	0.37	36	ND	31.13	5.71	15.69	11.43	23.80	35.71	0.00	9.33	6.71	15.71	47.14	68.57	2	17	29	3	1	3.91	PS					0.00	0.00
D0805	30.49	93	66***	6.35	1.50	1.06	1.00	3.06	5.00	36.40	29.84	13.02	40.00	6.00	47.50	7	11	91	3	1	2.72	PS					0.00	0.00
D0808	12.65	79	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	2.62	PS					12.65	0.00
D0809	43.77	56	32	28.96	8.95	29.61	20.53	15.32	21.58	4.24	4.59	2.76	6.84	42.11	57.89	1	37	14	3	1	4.37	PS					43.77	1,843.15
D0811	17.85	100	31	11.97	3.00	2.23	2.00	7.34	12.00	2.03	4.53	1.79	7.00	14.00	24.00	2	26	40	3	1	3.46	PS					17.85	249.90
D0813	8.75	91	42**	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	2.62	PS					0.00	0.00
D0815	14.21	91	32	17.46	4.50	13.81	9.00	3.16	5.00	27.37	9.27	1.20	8.00	14.00	26.50	1	32	38	3	1	3.27	PS					14.21	198.94
D0818	42.24	84	32	23.72	6.32	16.83	12.63	11.94	18.42	8.98	3.43	0.87	4.21	31.05	41.58	1	29	13	3	1	4.03	PS					42.24	1,311.55
D0819	51.27	63	42**	3.00	1.05	3.35	2.11	7.35	12.11	36.18	25.41	10.51	34.21	14.21	49.47	2	22	77	3	1	3.46	PS					0.00	0.00
D0820	0.38	106	57***	6.05	1.67	2.44	1.67	3.66	5.56	2.31	5.63	3.76	10.00	7.22	18.89	1	47	61	3	1	3.37	PS					0.00	0.00
D0914	0.82	59	31U	2.85	1.05	6.12	4.74	18.10	30.00	9.51	0.91	0.67	1.58	34.74	37.37	2	23	6	3	1	4.46	PS					0.82	28.49
D0915	36.32	59	32	31.55	7.50	8.92	6.88	11.07	16.88	6.89	5.55	2.28	6.88	23.75	38.13	2	32	28	3	1	3.80	PS					36.32	862.60
D0915	0.07	59	32U	31.55	7.50	8.92	6.88	11.07	16.88	6.89	5.55	2.28	6.88	23.75	38.13	2	32	28	3	1	3.80	PS					0.07	1.66
D0916	2.00	0	NM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	2.06	NH					2.00	0.00
D0917	4.17	0	NM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	2.06	NH					4.17	0.00
I0304	1.69	69	25U	1.74	3.33	11.06	8.33	19.86	35.00	20.16	2.44	2.30	6.67	43.33	53.33	1	18	13	3	1	4.48	CS	0.00	0.00				
I0305	11.91	69	25	23.06	7.50	23.81	17.50	14.01	18.00	2.68	1.40	0.26	1.50	35.50	44.50	1	31	4	3	1	4.39	PS					11.91	422.81
I0312	0.17	61	25	74.91	21.50	24.15	16.00	6.08	8.50	14.02	0.90	0.00	0.50	24.50	46.50	1	20	3	3	1	3.42	PS					0.17	4.17
I0402	12.90	41	25	21.76	5.00	12.22	9.50	15.30	24.00	2.31	0.79	0.65	2.00	33.50	40.50	1	46	5	3	1	4.35	PS					12.90	432.15
pp115*	5.94	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH					5.94	0.00
pp116*	5.13	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH					5.13	0.00
pp117*	16.74	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH					16.74	0.00
pp233*	1.33	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH					0.00	0.00
pp437*	3.53	13	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH					3.53	0.00
pp438*	5.64	13	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH					5.64	0.00
pp439*	6.83	13	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH					6.83	0.00
344.61																							0.00	0.00	0.00	0.00	242.89	5,355.42

REMOVALS																			
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed										
D0808	2009	69743	Southern Training Area Infrastructure-Maneuver Area					3.82	0.00										
D0809	2009	69743	Southern Training Area Infrastructure-Maneuver Area					43.77	1,843.15										
D0818	2009	69743	Southern Training Area Infrastructure-Maneuver Area					2.63	81.66										
D0914	2009	69743	Southern Training Area Infrastructure-Maneuver Area					0.82	28.49										
D0915	2009	69743	Southern Training Area Infrastructure-Maneuver Area					29.05	689.94										
D0915	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					2.22	52.73										
D0916	2009	69743	Southern Training Area Infrastructure-Maneuver Area					0.66	0.00										
D0917	2009	69743	Southern Training Area Infrastructure-Maneuver Area					3.01	0.00										
I0305	2009	69743	Southern Training Area Infrastructure-Maneuver Area					10.51	373.11										
I0305	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					1.40	49.70										
I0312	2009	69743	Southern Training Area Infrastructure-Maneuver Area					0.17	4.17										
I0402	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					3.72	124.62										
I0402	2009	69743	Southern Training Area Infrastructure-Maneuver Area					9.17	307.20										
pp115*	2009	69743	Southern Training Area Infrastructure-Maneuver Area					0.61	0.00										
TOTAL REMOVALS				0.00	0.00	0.00	0.00	111.56	3,554.77										

POST-PROJECT			2009		
Suitable Habitat	Acres	BA	Suitable Habitat	Acres	BA
Potentially Suitable Habitat	0.00	0.00	Potentially Suitable Habitat	0.00	0.00
Future Potential Habitat	131.33	1,800.65	Future Potential Habitat	131.33	1,800.65
TOTAL	131.33	1,800.65	TOTAL	131.33	1,800.65

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
21P = Longleaf Pine Plantation
25 = Mixed Pine
25U = Mixed Pine Underplanted
31 = Loblolly Pine
31P = Loblolly Pine Plantation
32 = Shortleaf Pine
32U = Shortleaf Pine Underplanted
42** = Upland Hardwood-Yellow Pine (managed for hardwoods)
57*** = Scrub Oak (managed for hardwoods)
66**** = Oak-Hickory (managed for hardwoods)
ND = No data provided
NM = Not managed

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not

Key:		
BA= basal area	Type Burn:	Suitability
dbh= diameter at breast height	0=no data available	CS= currently suitable
hwd= hardwood	1=non-growing season	PS= potentially suitable
hgc= herbaceous ground cover	2=growing season	NH= non-habitat
Hardwood Midstory:	Forest Type:	
1 = low, sparse	10 = Yellow Pine-Upland Hardwood	
2 = low, moderate	21P = Longleaf Pine Plantation	
3 = low, dense	25 = Mixed Pine	
4 = medium, sparse	25U = Mixed Pine Underplanted	
5 = tall, sparse	31 = Loblolly Pine	
6 = medium, moderate	31P = Loblolly Pine Plantation	
7 = tall, moderate	31U = Loblolly Pine Underplanted	
8 = medium, dense	32 = Shortleaf Pine	
9 = tall, dense	32U = Shortleaf Pine Underplanted	
	42** = Upland Hardwood-Yellow Pine (managed for hardwoods)	
	57*** = Scrub Oak (managed for hardwoods)	
	66**** = Oak-Hickory (managed for hardwoods)	
	ND = No data provided	
	NM = Not managed	

* Note: No pine data was collected for pine plantation stands less than 30 years old.
 Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Appendix Table H-89. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **D10-01 Alternatives A and B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																											
Stand	Acres	Pine Age	Forest Type	Pine Stems 4 10" dbh	Pine BA 4- 10" dbh	Pine Stems 10-14" dbh	Pine BA 10- 14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10- 14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10" dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
D1001	0.14	47	62**	39.31	10.00	6.84	4.74	5.03	9.47	34.67	9.64	8.72	20.00	14.21	44.21	2	26	61	3	1	0					0.00	0.00
D1004	12.57	55	31U	9.59	2.50	22.94	17.50	13.17	17.50	5.16	1.77	2.10	4.50	35.00	42.00	4	59	10	3	1	0						
D1005	3.94	55	31	15.27	5.00	10.52	7.50	23.45	35.00	31.92	3.79	0.00	2.50	42.50	50.00	2	18	10	3	1	1	0.00	0.00				
D1005	0.04	55	31U	15.27	5.00	10.52	7.50	23.45	35.00	31.92	3.79	0.00	2.50	42.50	50.00	2	18	10	3	1	1	0.00	0.00				
D1006	3.20	13	31	237.54	47.50	0.00	0.00	0.00	0.00	18.75	4.41	2.18	5.00	0.00	52.50	1	3	100	3	1	0					3.20	0.00
D1016	1.39	85	13	9.97	2.50	2.21	1.50	8.97	17.50	14.38	12.87	8.22	26.00	19.00	47.50	5	22	65	3	1	0					1.39	26.41
D1112	2.62	91	26	27.98	6.50	9.87	7.50	15.59	23.50	26.72	7.36	6.09	13.50	31.00	51.00	1	33	35	3	1	1	0.00	0.00				
D1114	4.18	57	26	13.70	4.00	5.66	4.00	14.40	24.00	8.13	6.30	2.53	8.00	28.00	40.00	1	41	31	3	1	0					4.18	117.04
D1122	1.11	7	NM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0					0.00	0.00
D1712	1.69	80	21	28.01	7.50	20.18	15.50	17.01	25.00	15.71	4.28	0.24	4.00	40.50	52.00	1	39	11	3	1	1	1.69	68.45				
D1716	3.35	86	25	45.18	11.00	7.34	5.50	15.81	27.00	8.10	0.54	0.00	0.50	32.50	44.00	1	41	2	3	1	1	3.35	108.88				
D1718	2.73	68	31	1.21	0.50	9.38	7.00	16.71	27.50	7.62	1.48	0.63	2.00	34.50	37.00	2	51	7	3	1	1	2.73	94.19				
D1720	6.54	93	66***	22.91	7.00	10.36	7.50	4.10	5.00	47.55	23.77	4.79	25.00	12.50	44.50	1	37	66	3	1	0					0.00	0.00
D1722	12.66	50	25	123.03	33.00	18.77	12.50	3.28	4.50	14.06	1.43	2.32	5.50	17.00	55.50	1	40	15	3	1	0					12.66	215.22
D1724	3.40	46	10	57.98	16.00	17.19	11.50	5.58	7.00	11.40	6.42	2.24	7.50	18.50	42.00	1	42	28	3	1	0					3.40	62.90
D1729	40.41	82	31	8.34	2.50	7.94	6.00	18.15	27.00	1.87	1.22	0.45	1.50	33.00	37.00	1	46	6	3	1	1	40.41	1,333.53				
D1730	14.04	79	32	47.81	13.50	14.11	9.50	10.14	17.00	1.02	4.08	3.42	8.50	26.50	48.50	1	37	24	3	1	0					14.04	372.06
D1733	4.70	73	31	16.19	4.50	14.50	10.00	12.57	19.00	7.27	4.84	2.20	7.50	29.00	41.00	2	23	21	3	1	0					4.70	136.30
pp259*	12.88	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					12.88	0.00
pp394*	0.13	12	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
pp512*	21.86	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					21.86	0.00
pp726*	0.02	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
pp727*	6.15	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
pp728*	11.76	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
pp729*	2.31	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
pp803*	27.44	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					27.44	0.00
TOTAL REMOVALS										2.50	87.75		0.00	0.00		15.39		73.34				48.18	1,605.05	0.00	0.00	105.75	929.93

REMOVALS																			
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed										
D1006	2009	69743	Southern Training Area Infrastructure-Maneuver Area					1.72	0.00										
D1006	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					0.48	0.00										
D1016	2009	69743	Southern Training Area Infrastructure-Maneuver Area					0.43	8.17										
D1016	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					0.96	18.24										
D1114	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					0.92	25.76										
D1712	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails	0.70		28.35													
D1729	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails	1.80		59.40													
D1733	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					0.01	0.29										
D1733	2009	69743	Southern Training Area Infrastructure-Maneuver Area					0.72	20.88										
pp259*	2009	69743	Southern Training Area Infrastructure-Maneuver Area					5.72	0.00										
pp259*	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					1.69	0.00										
pp512*	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					2.74	0.00										
TOTAL REMOVALS				2.50	87.75	0.00	0.00	15.39	73.34										

POST-PROJECT						non-contiguous habitat						2009 TOTAL					
Suitable Habitat	Acres	BA	Suitable Habitat	Acres	BA	Suitable Habitat	Acres	BA	Suitable Habitat	Acres	BA	Suitable Habitat	Acres	BA	Suitable Habitat	Acres	BA
2009 SUB-TOTAL	45.68	1,517.30	2009 SUB-TOTAL	45.68	1,517.30	2009 SUB-TOTAL	45.68	1,517.30	2009 SUB-TOTAL	45.68	1,517.30	2009 SUB-TOTAL	45.68	1,517.30	2009 SUB-TOTAL	45.68	1,517.30
Potentially Suitable Habitat	0.00	0.00	Potentially Suitable Habitat	0.00	0.00	Potentially Suitable Habitat	0.00	0.00	Potentially Suitable Habitat	0.00	0.00	Potentially Suitable Habitat	0.00	0.00	Potentially Suitable Habitat	0.00	0.00
Future Potential Habitat	90.36	856.59	Future Potential Habitat	90.36	856.59	Future Potential Habitat	90.36	856.59	Future Potential Habitat	90.36	856.59	Future Potential Habitat	90.36	856.59	Future Potential Habitat	90.36	856.59
TOTAL	136.04	2,373.89	TOTAL	136.04	2,373.89	TOTAL	136.04	2,373.89	TOTAL	136.04	2,373.89	TOTAL	136.04	2,373.89	TOTAL	136.04	2,373.89

BA= basal area	Type Burn:	Stand Score
dbh= diameter at breast height	0=no data available	0=Unsuitable
hwd= hardwood	1=non-growing season	1=Suitable
hgc= herbaceous ground cover	2=growing season	
Hardwood Midstory:	Forest Type:	
1 = low, sparse	10 = Yellow Pine-Upland Hardwood	
2 = low, moderate	13 = Loblolly Pine-Hardwood	
3 = low, dense	21 = Longleaf Pine	
4 = medium, sparse	21P = Longleaf Pine Plantation	
5 = tall, sparse	25 = Mixed Pine	
6 = medium, moderate	26 = Mixed Pine-Longleaf	
7 = tall, moderate	31 = Loblolly Pine	
8 = medium, dense	31U = Loblolly Pine Underplanted	
9 = tall, dense	32 = Shortleaf Pine	
	62** = Sweetgum-Water Oak-Willow Oak (managed for hardwoods)	
	66*** = Oak-Hickory (managed for hardwoods)	
	NM = not managed	

*Note: No pine data was collected for pine plantation stands less than 30 years old.

Stands D1006 and D1733 are non-contiguous as a result of project impacts and can no longer be counted towards the total foraging habitat available within the partition.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Appendix Table H-90. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **D10-01, Alternatives A and B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																												
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems >14" dbh	Hwd BA >10" dbh	Pine BA >10" dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
D1001	0.14	47	62**	39.31	10.00	6.84	4.74	5.03	9.47	34.67	9.64	8.72	20.00	14.21	44.21	2	26	61	3	1	2.98	PS				0.00	0.00	
D1004	12.57	55	31U	9.59	2.50	22.94	17.50	13.17	17.50	5.16	1.77	2.10	4.50	35.00	42.00	4	59	10	3	1	4.25	PS				12.57	439.95	
D1005	3.94	55	31	15.27	5.00	10.52	7.50	23.45	35.00	31.92	3.79	0.00	2.50	42.50	50.00	2	18	10	3	1	4.34	PS				3.94	167.45	
D1006	0.04	55	31U	15.27	5.00	10.52	7.50	23.45	35.00	31.92	3.79	0.00	2.50	42.50	50.00	2	18	10	3	1	4.34	PS				0.04	1.70	
D1006	3.20	13	31	237.54	47.50	0.00	0.00	0.00	0.00	18.75	4.41	2.18	5.00	0.00	52.50	1	3	100	3	1	2.12	NH				3.20	0.00	
D1016	1.39	85	13	9.97	2.50	2.21	1.50	8.97	17.50	14.38	12.87	8.22	26.00	19.00	47.50	5	22	65	3	1	3.22	PS				1.39	26.41	
D1112	2.62	91	26	27.98	6.50	9.87	7.50	15.59	23.50	26.72	7.36	6.09	13.50	31.00	51.00	1	33	35	3	1	4.22	PS				2.62	81.22	
D1114	4.18	57	26	13.70	4.00	5.66	4.00	14.40	24.00	8.13	6.30	2.53	8.00	28.00	40.00	1	41	31	3	1	4.20	PS				4.18	117.04	
D1122	1.11	7	NM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	2.06	NH				0.00	0.00	
D1712	1.69	80	21	28.01	7.50	20.18	15.50	17.01	25.00	15.71	4.28	0.24	4.00	40.50	52.00	1	39	11	3	1	4.51	PS				1.69	68.45	
D1716	3.35	86	25	45.18	11.00	7.34	5.50	15.81	27.00	8.10	0.54	0.00	0.50	32.50	44.00	1	41	2	3	1	4.52	PS				3.35	108.88	
D1718	2.73	68	31	1.21	0.50	9.38	7.00	16.71	27.50	7.62	1.48	0.63	2.00	34.50	37.00	2	51	7	3	1	4.65	PS				2.73	94.19	
D1720	6.54	93	66***	22.91	7.00	10.36	7.50	4.10	5.00	47.55	23.77	4.79	25.00	12.50	44.50	1	37	66	3	1	3.25	PS				6.54	41.00	
D1722	12.66	50	25	123.03	33.00	18.77	12.50	3.28	4.50	14.06	1.43	2.32	5.50	17.00	55.50	1	40	15	3	1	3.03	PS				12.66	215.22	
D1724	3.40	46	10	57.98	16.00	17.19	11.50	5.58	7.00	11.40	6.42	2.24	7.50	18.50	42.00	1	42	28	3	1	3.20	PS				3.40	62.90	
D1729	40.41	82	31	8.34	2.50	7.94	6.00	18.15	27.00	1.87	1.22	0.45	1.50	33.00	37.00	1	46	6	3	1	4.80	CS	40.41	1,333.53				
D1730	14.04	79	32	47.81	13.50	14.11	9.50	10.14	17.00	1.02	4.08	3.42	8.50	26.50	48.50	1	37	24	3	1	3.89	PS				14.04	372.06	
D1733	4.70	73	31	16.19	4.50	14.50	10.00	12.57	19.00	7.27	4.84	2.20	7.50	29.00	41.00	2	23	21	3	1	3.98	PS				4.70	136.30	
pp259*	12.88	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH				12.88	0.00	
pp394*	0.13	12	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH				0.13	0.00	
pp512*	21.86	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH				21.86	0.00	
pp726*	0.02	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH				0.02	0.00	
pp727*	6.15	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH				0.00	0.00	
pp728*	11.76	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH				0.00	0.00	
pp729*	2.31	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH				0.00	0.00	
pp803*	27.44	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH				27.44	0.00	
201.26																							40.41	1,333.53	0.00	0.00	132.84	1,891.77

REMOVALS									
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
D1004	2009	69743	Southern Training Area Infrastructure-Maneuver Area					9.34	326.90
D1004	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					3.23	113.05
D1005	2009	69743	Southern Training Area Infrastructure-Maneuver Area					2.11	89.68
D1005	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					1.58	67.15
D1006	2009	69743	Southern Training Area Infrastructure-Maneuver Area					1.72	0.00
D1006	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					0.48	0.00
D1016	2009	69743	Southern Training Area Infrastructure-Maneuver Area					0.43	8.17
D1016	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					0.96	18.24
D1114	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					0.92	25.76
D1712	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					0.70	28.35
D1729	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails	1.80	59.40				
D1733	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					0.01	0.29
D1733	2009	69743	Southern Training Area Infrastructure-Maneuver Area					0.72	20.88
pp259*	2009	69743	Southern Training Area Infrastructure-Maneuver Area					5.72	0.00
pp259*	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					1.69	0.00
pp394*	2009	69743	Southern Training Area Infrastructure-Maneuver Area					0.13	0.00
pp512*	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					2.74	0.00
pp726*	2009	69743	Southern Training Area Infrastructure-Maneuver Area					0.02	0.00
TOTAL REMOVALS				1.80	59.40	0.00	0.00	32.50	698.47

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
25 = Mixed Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
31U = Loblolly Pine Underplanted
32 = Shortleaf Pine
62** = Sweetgum-Water Oak-Willow Oak (managed for hardwoods)
66*** = Oak-Hickory (managed for hardwoods)
NM = not managed

*Note: No pine data was collected for pine plantation stands less than 30 years old.
Stands D1005, D1006 and D1733 are non-contiguous as a result of project impacts and can no longer be counted towards the total foraging habitat available within the partition.
Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

POST-PROJECT					
2009		non-contiguous habitat		2009 TOTAL	
Suitable Habitat	Acres	BA	Acres	Acres	BA
	38.61	1,274.13	0.00	38.61	1,274.13
Potentially Suitable Habitat	0.00	0.00	0.00	0.00	0.00
Future Potential Habitat	100.34	1,193.30	5.26	95.08	1,065.85
TOTAL	138.95	2,467.43	5.26	133.69	2,339.98

Appendix Table H-91. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **D11-01 Alternatives A and B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																											
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems >14" dbh	Hwd BA >10" dbh	Pine BA >10" dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
D1102	2.06	88	21	17.18	5.00	20.15	14.50	8.66	11.50	35.55	5.20	2.00	6.50	26.00	37.50	1	28	20	3	1	0					2.06	53.56
D1103	0.25	88	21	10.52	2.50	12.22	9.50	27.54	41.00	3.61	0.68	0.78	1.50	50.50	54.50	1	21	4	3	1	1	0.25	12.63				
D1109	63.99	78	31	19.55	5.50	12.80	9.00	19.33	29.50	25.87	6.42	3.70	10.50	38.50	54.50	1	26	24	3	1	1	63.99	2,463.62				
D1109	0.03	78	31U	19.55	5.50	12.80	9.00	19.33	29.50	25.87	6.42	3.70	10.50	38.50	54.50	1	26	24	3	1	1	0.03	1.16				
D1110	0.92	7	NM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0				0.00	0.00	
D1112	6.77	91	26	27.98	6.50	9.87	7.50	15.59	23.50	26.72	7.36	6.09	13.50	31.00	51.00	1	33	35	3	1	1	6.77	209.87				
D1115	19.09	69	31U	16.31	4.00	9.15	7.00	19.10	29.50	5.16	2.20	2.18	5.50	36.50	46.00	1	40	13	3	1	1	19.09	696.79				
D1122	0.26	7	NM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0				0.00	0.00	
E0406	2.15	76	10	18.48	5.26	10.78	7.37	11.06	16.32	2.76	3.39	4.75	12.11	23.68	41.05	2	48	27	3	1	0				2.15	50.91	
E0413	3.88	79	31	13.21	4.00	7.49	5.50	15.39	25.00	10.36	6.20	5.17	12.00	30.50	46.50	1	44	33	3	1	1	3.88	118.34				
pp513*	13.47	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0				13.47	0.00	
pp514*	26.39	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0				26.39	0.00	
pp537*	0.86	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0				0.86	0.00	
pp538*	2.52	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0				2.52	0.00	
pp729*	2.24	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0				2.24	0.00	
				144.88																		94.01	3,502.41	0.00	0.00	49.69	104.47

REMOVALS									
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
D1102	2009	69743	Southern Training Area Infrastructure-Maneuver Area					1.78	46.28
D1109	2009	69743	Southern Training Area Infrastructure-Maneuver Area	27.16	1,045.66				
D1109	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails	0.01	0.39				
D1115	2009	69743	Southern Training Area Infrastructure-Maneuver Area	16.29	594.59				
D1115	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails	2.53	92.35				
E0406	2009	69743	Southern Training Area Infrastructure-Maneuver Area					0.89	21.08
E0406	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					1.26	29.84
E0413	2009	69743	Southern Training Area Infrastructure-Maneuver Area	2.89	88.15				
E0413	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails	0.98	29.89				
pp513*	2009	69743	Southern Training Area Infrastructure-Maneuver Area					13.47	0.00
pp514*	2009	69743	Southern Training Area Infrastructure-Maneuver Area					11.68	0.00
pp537*	2009	69743	Southern Training Area Infrastructure-Maneuver Area					0.62	0.00
pp537*	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					0.24	0.00
pp538*	2009	69743	Southern Training Area Infrastructure-Maneuver Area					2.01	0.00
pp538*	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					0.51	0.00
pp729*	2009	69743	Southern Training Area Infrastructure-Maneuver Area					2.17	0.00
TOTAL REMOVALS				49.86	1,851.03	0.00	0.00	34.63	97.20

POST-PROJECT			2009	
Suitable Habitat	Acres	BA		
Potentially Suitable Habitat	44.15	1,651.38		
Future Potential Habitat	0.00	0.00		
TOTAL	59.21	1,658.65		

BA= basal area	Type Burn:	Stand Score
dbh= diameter at breast height	0=no data available	0=Unsuitable
hwd= hardwood	1=non-growing season	1=Suitable
hgc= herbaceous ground cover	2=growing season	
Hardwood Midstory:	Forest Type:	
1 = low, sparse	10 = Yellow Pine-Upland Hardwood	
2 = low, moderate	21 = Longleaf Pine	
3 = low, dense	21P = Longleaf Pine Plantation	
4 = medium, sparse	26 = Mixed Pine-Longleaf	
5 = tall, sparse	31 = Loblolly Pine	
6 = medium, moderate	31U = Loblolly Pine Underplanted	
7 = tall, moderate	NM = Not managed	
8 = medium, dense		
9 = tall, dense		

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Appendix Table H-92. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **D11-01, Alternatives A and B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine Stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems >14" dbh	Hwd BA >10" dbh	Pine BA >10" dbh	Total Stand Hwds	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
D1102	2.06	88	21	17.18	5.00	20.15	14.50	8.66	11.50	35.55	5.20	2.00	6.50	26.00	37.50	1	28	20	3	1	3.63	PS					2.06	53.56																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
D1103	0.25	88	21	10.52	2.50	12.22	9.50	27.54	41.00	3.61	0.68	0.78	1.50	50.50	54.50	1	21	4	3	1	4.65	CS	0.25	12.63																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
D1109	63.99	78	31	19.55	5.50	12.80	9.00	19.33	29.50	25.87	6.42	3.70	10.50	38.50	54.50	1	26	24	3	1	4.41	CS	63.99	2,463.62																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
D1109	0.03	78	31U	19.55	5.50	12.80	9.00	19.33	29.50	25.87	6.42	3.70	10.50	38.50	54.50	1	26	24	3	1	4.41	CS	0.03	1.16																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
D1110	0.92	7	NM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	2.06	NH				0.00	0.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
D1112	6.77	91	26	27.98	6.50	9.87	7.50	15.59	23.50	26.72	7.36	6.09	13.50	31.00	51.00	1	33	35	3	1	4.22	PS				6.77	209.87																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
D1115	19.09	69	31U	16.31	4.00	9.15	7.00	19.10	29.50	5.16	2.20	2.18	5.50	36.50	46.00	1	40	13	3	1	4.63	CS	19.09	696.79																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
D1122	0.26	7	NM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	2.06	NH				0.00	0.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
E0406	2.15	76	10	18.48	5.26	10.78	7.37	11.06	16.32	2.76	3.39	4.75	12.11	23.68	41.05	2	48	27	3	1	4.06	PS				2.15	50.91																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
E0413	3.88	79	31	13.21	4.00	7.49	5.50	15.39	25.00	10.36	6.20	5.17	12.00	30.50	46.50	1	44	33	3	1	4.34	PS				3.88	118.34																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
pp513*	13.47	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH				13.47	0.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
pp514*	26.39	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH				26.39	0.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
pp537*	0.86	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH				0.86	0.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
pp538*	2.52	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH				2.52	0.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
pp729*	2.24	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH				2.24	0.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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D11-02, Alternatives A and B for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																												
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems >14" dbh	Hwd BA >14" dbh	Pine BA >10" dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
D1102	15.96	88	21	17.18	5.00	20.15	14.50	8.66	11.50	35.55	5.20	2.00	6.50	26.00	37.50	1	28	20	3	1	0					15.96	414.96	
D1102	0.03	88	21U	17.18	5.00	20.15	14.50	8.66	11.50	35.55	5.20	2.00	6.50	26.00	37.50	1	28	20	3	1	0					0.03	0.78	
D1103	0.29	88	21	10.52	2.50	12.22	9.50	27.54	41.00	3.61	0.68	0.78	1.50	50.50	54.50	1	21	20	4	3	1	1	0.29	14.65				
D1109	45.38	78	31	19.55	5.50	12.80	9.00	19.33	29.50	25.87	6.42	3.70	10.50	38.50	54.50	1	26	24	3	1	1		45.38	1,747.13				
D1115	0.02	69	31U	16.31	4.00	9.15	7.00	19.10	28.50	5.16	2.20	2.18	5.50	36.50	40.00	1	40	13	3	1	1		0.02	0.77				
D1243	1.24	44	25	6.66	2.50	14.75	11.00	10.30	14.50	23.82	2.23	0.39	2.00	25.50	30.00	1	24	9	3	1	0					1.24	31.62	
D1243	4.27	44	25U	6.66	2.50	14.75	11.00	10.30	14.50	23.82	2.23	0.39	2.00	25.50	30.00	1	24	9	3	1	0					4.27	108.89	
E0402	19.88	76	25	17.25	3.50	11.65	8.50	17.22	27.50	10.48	2.82	2.73	7.00	36.00	46.50	1	31	16	3	1	1		19.88	715.68				
E0403	35.28	55	25	13.20	4.00	28.73	19.50	12.01	16.50	1.16	1.31	1.92	4.00	36.00	44.00	1	44	7	3	1	1		35.28	1,270.08				
E0406	30.45	76	10	18.48	5.26	10.87	7.37	11.06	16.32	2.76	3.39	4.75	12.11	23.68	41.05	2	48	27	3	1	0					30.45	721.06	
E0407	0.03	53	26	36.30	12.22	23.76	17.22	10.17	13.33	3.61	1.89	1.11	3.33	30.56	46.11	1	33	8	3	1	1		0.03	0.92				
E0413	4.00	79	31	13.21	4.00	7.49	5.50	15.39	25.00	10.36	6.20	5.17	12.00	30.50	46.50	1	44	33	3	1	1		4.00	122.00				
pp323*	2.96	12	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					2.96	0.00	
	159.79																						104.88	3,871.19	0.00	0.00	54.91	1,277.31

REMOVALS									
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
D1102	2009	69743	Southern Training Area Infrastructure-Maneuver Area					13.10	340.60
D1102	2009	69743	Southern Training Area Infrastructure-Maneuver Tank Trails					2.89	75.14
D1103	2009	69743	Southern Training Area Infrastructure-Maneuver Area	0.28	14.14				
D1103	2009	69743	Southern Training Area Infrastructure-Maneuver Tank Trails	0.01	0.51				
D1109	2009	69743	Southern Training Area Infrastructure-Maneuver Area	41.00	1,578.50				
D1109	2009	69743	Southern Training Area Infrastructure-Maneuver Tank Trails	4.23	162.86				
D1115	2009	69743	Southern Training Area Infrastructure-Maneuver Tank Trails	0.02	0.73				
D1243	2009	69743	Southern Training Area Infrastructure-Maneuver Area					0.15	3.83
D1243	2009	69743	Southern Training Area Infrastructure-Maneuver Tank Trails					1.11	28.31
E0402	2009	69743	Southern Training Area Infrastructure-Maneuver Area	13.03	469.08				
E0402	2009	69743	Southern Training Area Infrastructure-Maneuver Tank Trails	0.44	15.84				
E0403	2009	69743	Southern Training Area Infrastructure-Maneuver Area	23.82	857.52				
E0403	2009	69743	Southern Training Area Infrastructure-Maneuver Tank Trails	2.08	74.88				
E0406	2009	69743	Southern Training Area Infrastructure-Maneuver Area					27.32	646.94
E0406	2009	69743	Southern Training Area Infrastructure-Maneuver Tank Trails					3.01	71.28
E0413	2009	69743	Southern Training Area Infrastructure-Maneuver Area	4.00	122.00			2.96	0.00
pp323*	2009	69743	Southern Training Area Infrastructure-Maneuver Area					50.54	1,166.10
TOTAL REMOVALS				88.91	3,296.06	0.00	0.00	2.96	1,166.10

POST-PROJECT						
	2009		non-contiguous habitat		2009 TOTAL	
	Acres	BA	Acres	BA	Acres	BA
Suitable Habitat	15.97	575.13	15.82	568.36	0.15	5.77
Potentially Suitable Habitat	0.00	0.00	0.00	0.00	0.00	0.00
Future Potential Habitat	4.37	111.21	0.12	2.84	4.25	108.37
TOTAL	20.34	686.34	15.94	572.20	4.40	114.14

Hardwood Midstory:

1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:

10 = Yellow Pine-Upland Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
21U = Longleaf Pine Plantation Underplanted
25 = Mixed Pine
25U = Mixed Pine Underplanted
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
31U = Loblolly Pine Underplanted

*Note: No pine data was collected for pine plantation stands less than 30 years old.

Stands E0402, E0403, E0406 and E0407 will be non-contiguous as a result of project impacts and cannot be counted towards the available foraging habitat for the partition. Future removals from these stands were not considered.

Appendix Table H-94. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **D11-02, Alternatives A and B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																													
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems >14" dbh	Hwd BA >10" dbh	Pine BA >10" dbh	BA (Pines + Hwds)	Total Stand	Hwd Midstory Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Potentially Suitable BA	Potentially Suitable Acreage	Future Potential Acreage	Future Potential BA	
D1102	15.96	88	21	17.18	5.00	20.15	14.50	8.66	11.50	35.55	5.20	2.00	6.50	26.00	37.50	1	28	20	3	1	3.63	PS					15.96	414.96	
D1102	0.03	88	21U	17.18	5.00	20.15	14.50	8.66	11.50	35.55	5.20	2.00	6.50	26.00	37.50	1	28	20	3	1	3.63	PS					0.03	0.78	
D1103	0.29	88	21	10.52	2.50	12.22	9.50	27.54	41.00	3.61	0.68	0.78	1.50	50.50	54.50	1	21	4	3	1	4.65	CS	0.29	14.65					
D1109	45.38	78	31	19.55	5.50	12.80	9.00	19.33	29.50	25.87	6.42	3.70	10.50	38.50	54.50	1	26	24	3	1	4.41	CS	45.38	1,747.13					
D1115	0.02	69	31U	16.31	4.00	9.15	7.00	19.10	29.50	5.16	2.20	2.18	5.50	36.50	46.00	1	40	13	3	1	4.63	CS	0.02	0.73					
D1243	1.24	44	25	6.66	2.50	14.75	11.00	10.30	14.50	23.82	2.23	0.39	2.00	25.50	30.00	1	24	9	3	1	3.63	PS						1.24	31.62
D1243	4.27	44	25U	6.66	2.50	14.75	11.00	10.30	14.50	23.82	2.23	0.39	2.00	25.50	30.00	1	24	9	3	1	3.63	PS						4.27	108.89
E0402	19.88	76	25	17.25	3.50	11.65	8.50	17.22	27.50	10.48	2.82	2.73	7.00	36.00	46.50	1	31	16	3	1	4.42	PS						19.88	715.68
E0403	35.28	55	25	13.20	4.00	28.73	19.50	12.01	16.50	1.16	1.31	1.92	4.00	36.00	44.00	1	44	7	3	1	4.22	PS						35.28	1,270.08
E0406	30.45	76	10	18.48	5.26	10.78	7.37	11.06	16.32	2.76	3.39	4.75	12.11	23.68	41.05	2	48	27	3	1	4.06	PS						30.45	721.06
E0407	0.03	53	26	36.30	12.22	23.76	17.22	10.17	13.33	3.61	1.89	1.11	3.33	30.56	46.11	1	33	8	3	1	3.86	PS						0.03	0.92
E0413	4.00	79	31	13.21	4.00	7.49	5.50	15.39	25.00	10.36	6.20	5.17	12.00	30.50	46.50	1	44	33	3	1	4.34	PS						4.00	122.00
pp323*	2.96	12	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH						2.96	0.00
159.79																						45.69	1,762.51	0.00	0.00	114.10	3,385.99		

REMOVALS									
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
D1102	2009	69743	Southern Training Area Infrastructure-Maneuver Area					13.10	340.60
D1102	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					2.89	75.14
D1103	2009	69743	Southern Training Area Infrastructure-Maneuver Area	0.28	14.14				
D1103	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails	0.01	0.51				
D1109	2009	69743	Southern Training Area Infrastructure-Maneuver Area	41.00	1,578.50				
D1109	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails	4.23	162.86				
D1115	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails	0.02	0.73				
D1243	2009	69743	Southern Training Area Infrastructure-Maneuver Area					0.15	3.83
D1243	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					1.11	28.31
E0402	2009	69743	Southern Training Area Infrastructure-Maneuver Area					13.03	469.08
E0402	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					0.44	15.84
E0403	2009	69743	Southern Training Area Infrastructure-Maneuver Area					23.82	857.52
E0403	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					2.08	74.88
E0406	2009	69743	Southern Training Area Infrastructure-Maneuver Area					27.32	646.94
E0406	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					3.01	71.28
E0413	2009	69743	Southern Training Area Infrastructure-Maneuver Area					4.00	122.00
pp323*	2009	69743	Southern Training Area Infrastructure-Maneuver Area					2.96	0.00
TOTAL REMOVALS				45.54	1,756.74	0.00	0.00	93.91	2,705.42

POST-PROJECT		2009		non-contiguous habitat		2009 TOTAL	
		Acres	BA	Acres	BA	Acres	BA
Suitable Habitat		0.15	5.77	0.00	0.00	0.15	5.77
Potentially Suitable Habitat		0.00	0.00	0.00	0.00	0.00	0.00
Future Potential Habitat		20.19	680.57	15.94	572.20	4.25	108.37
TOTAL		20.34	686.34	15.94	572.20	4.40	114.14

Key:		
BA= basal area	Type Burn:	Suitability
dbh= diameter at breast height	0=no data available	CS= currently suitable
hwd= hardwood	1=non-growing season	PS= potentially suitable
hgc= herbaceous ground cover	2=growing season	NH= non-habitat
Hardwood Midstory:	Forest Type:	
1 = low, sparse	10 = Yellow Pine-Upland Hardwood	
2 = low, moderate	21 = Longleaf Pine	
3 = low, dense	21P = Longleaf Pine Plantation	
4 = medium, sparse	21U = Longleaf Pine Plantation Underplanted	
5 = tall, sparse	25 = Mixed Pine	
6 = medium, moderate	25U = Mixed Pine Underplanted	
7 = tall, moderate	26 = Mixed Pine-Longleaf	
8 = medium, dense	31 = Loblolly Pine	
9 = tall, dense	31U = Loblolly Pine Underplanted	

*Note: No pine data was collected for pine plantation stands less than 30 years old.

Stands E0402, E0403, E0406 and E0407 will be non-contiguous as a result of project impacts and cannot be counted towards the available foraging habitat for the partition. Future removals from these stands were not considered.

Appendix Table H-95. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **D12-01 Alternatives A and B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																											
Stand	Acres	Pine Age	Forest Type	Pine Stems 4 10" dbh	Pine BA 4- 10" dbh	Pine Stems 10- 14" dbh	Pine BA 10- 14" dbh	Pine stems >14"	Pine BA >14" dbh	Hwd Stems 4 10" dbh	Hwd Stems 10- 14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10" dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
D1102	4.02	88	21	17.18	5.00	20.15	14.50	8.66	11.50	35.55	5.20	2.00	6.50	26.00	37.50	1	28	20	3	1	0					4.02	104.52
D1103	40.68	88	21	10.52	2.50	12.22	9.50	27.54	41.00	3.61	0.68	0.78	1.50	50.50	54.50	1	21	4	3	1	1		40.68	2,054.34			
D1103	0.11	88	21U	10.52	2.50	12.22	9.50	27.54	41.00	3.61	0.68	0.78	1.50	50.50	54.50	1	21	4	3	1	1		0.11	5.56			
D1104	15.74	88	31	42.17	13.50	24.43	17.00	13.32	18.00	23.49	6.97	1.29	7.50	35.00	56.00	1	25	18	3	1	1		15.74	550.90			
D1104	0.02	88	31U	42.17	13.50	24.43	17.00	13.32	18.00	23.49	6.97	1.29	7.50	35.00	56.00	1	25	18	3	1	1		0.02	0.70			
D1105	7.68	NM	31	23.10	4.29	5.95	4.29	3.93	7.14	11.91	8.75	0.22	7.14	11.43	22.86	1	37	48	3	1	0					0.00	0.00
D1106	16.93	88	26	2.51	1.00	8.88	6.50	21.84	33.50	4.70	3.07	1.22	4.50	40.00	45.50	1	29	12	3	1	1		16.93	677.20			
D1109	0.64	78	31	19.55	5.50	12.80	9.00	19.33	29.50	25.87	6.42	3.70	10.50	38.50	54.50	1	26	24	3	1	1		0.64	24.64			
D1202	0.50	61	31	33.98	9.00	29.77	20.50	15.84	25.00	3.17	2.49	0.91	3.50	45.50	58.00	2	31	7	3	1	1		0.50	22.75			
D1209	0.37	49	26	32.67	9.00	20.13	14.00	7.36	10.50	29.04	8.50	2.75	9.50	24.50	43.00	2	19	29	3	1	0				0.37	9.07	
D1216	4.90	68	31	23.09	7.50	11.15	8.00	7.82	12.00	9.81	6.10	2.72	8.50	20.00	36.00	1	25	32	3	1	0				4.90	98.00	
D1216	24.66	68	31U	23.09	7.50	11.15	8.00	7.82	12.00	9.81	6.10	2.72	8.50	20.00	36.00	1	25	32	3	1	0				24.66	493.20	
D1217	1.31	47	31	20.19	5.00	24.23	17.50	10.89	16.50	14.09	1.44	0.74	2.00	34.00	41.00	2	36	6	3	1	1		1.31	44.54			
D1218	9.57	47	31	27.56	9.00	37.12	25.50	8.42	12.00	21.03	1.22	1.28	3.00	37.50	49.50	1	26	5	3	1	1		9.57	358.88			
D1219	28.85	51	21	11.49	3.50	12.27	9.50	8.38	12.00	8.49	7.86	2.10	8.00	21.50	33.00	2	29	33	3	1	0				28.85	620.28	
D1219	0.13	51	21U	11.49	3.50	12.27	9.50	8.38	12.00	8.49	7.86	2.10	8.00	21.50	33.00	2	29	33	3	1	0				0.13	2.80	
D1227	7.43	51	21	19.17	4.29	11.97	10.00	27.07	37.14	3.23	6.48	2.09	7.14	47.14	58.57	2	20	18	3	1	1		7.43	350.25			
D1229	13.91	58	26	19.97	7.00	29.60	21.50	28.46	42.00	3.93	2.74	0.97	3.50	63.50	74.00	1	27	6	3	1	1		13.91	883.29			
D1229	0.04	58	26U	19.97	7.00	29.60	21.50	28.46	42.00	3.93	2.74	0.97	3.50	63.50	74.00	1	27	6	3	1	1		0.04	2.54			
D1230	6.40	40	10	35.81	9.50	27.20	18.50	5.58	7.50	20.95	8.66	5.10	14.50	26.00	50.00	1	24	30	3	1	0				6.40	166.40	
D1230	0.23	40	10U	35.81	9.50	27.20	18.50	5.58	7.50	20.95	8.66	5.10	14.50	26.00	50.00	1	24	30	3	1	0				0.23	5.98	
D1243	3.46	44	25	6.66	2.50	14.75	11.00	10.30	14.50	23.82	2.23	0.39	2.00	25.50	30.00	1	24	9	3	1	0				3.46	88.23	
D1243	3.61	44	25U	6.66	2.50	14.75	11.00	10.30	14.50	23.82	2.23	0.39	2.00	25.50	30.00	1	24	9	3	1	0				3.61	92.06	
D1244	3.04	61	31	17.53	6.00	17.51	13.50	5.40	7.50	2.66	5.10	1.47	6.50	21.00	33.50	1	23	22	3	1	0				3.04	63.84	
D1244	12.71	61	31U	17.53	6.00	17.51	13.50	5.40	7.50	2.66	5.10	1.47	6.50	21.00	33.50	1	23	22	3	1	0				12.71	266.91	
pp1027	0.04	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0				0.04	0.00	
pp1079	19.34	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0				19.34	0.00	
226.32																						106.88	4,975.59	0.00	0.00	111.76	2,011.29

REMOVALS															
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed						
D1102	2009	69743	Southern Training Area Infrastructure-Maneuver Area					1.27	33.02						
D1102	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					0.01	0.26						
D1103	2009	69743	Southern Training Area Infrastructure-Maneuver Area	0.31	15.66										
D1103	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails	4.17	210.59										
D1104	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails	3.25	113.75										
D1202	2009	69743	Southern Training Area Infrastructure-Maneuver Area	0.17	7.74										
D1202	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails	0.33	15.02										
D1209	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					0.37	9.07						
D1216	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					2.51	50.20						
D1217	2009	69743	Southern Training Area Infrastructure-Maneuver Area	0.27	9.18										
D1217	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails	0.48	16.32										
D1218	2009	69743	Southern Training Area Infrastructure-Maneuver Area	2.69	100.88										
D1218	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails	0.65	24.38										
D1219	2009	69743	Southern Training Area Infrastructure-Maneuver Area					2.03	43.65						
D1219	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					0.80	17.20						
D1229	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails	1.55	98.43										
D1243	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					0.34	8.67						
D1244	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					1.82	38.22						
pp1027	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					0.01	0.00						
pp1079	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					3.90	0.00						
TOTAL REMOVALS				13.87	611.95	0.00	0.00	13.06	200.29						

POST-PROJECT			2009	
Acres	BA			
Suitable Habitat	93.01	4,363.64		
Potentially Suitable Habitat	0.00	0.00		
Future Potential Habitat	98.70	1,811.00		
TOTAL	191.71	6,174.64		

Key:		
BA = basal area	Type Burn:	Stand Score
dbh = diameter at breast height	0=no data available	0=Unsuitable
hwd = hardwood	1=non-growing season	1=Suitable
hgc = herbaceous ground cover	2=growing season	
Hardwood Midstory:	Forest Type:	
1 = low, sparse	10 = Yellow Pine-Upland Hardwood	
2 = low, moderate	10U = Yellow Pine-Upland Hardwood Underplanted	
3 = low, dense	21 = Longleaf Pine	
4 = medium, sparse	21P = Longleaf Pine Plantation	
5 = tall, sparse	21U = Longleaf Pine Underplanted	
6 = medium, moderate	25 = Mixed Pine	
7 = tall, moderate	25U = Mixed Pine Underplanted	
8 = medium, dense	26 = Mixed Pine-Longleaf	
9 = tall, dense	26U = Mixed Pine-Longleaf Underplanted	
	31 = Loblolly Pine	
	31U = Loblolly Pine Underplanted	
	NM = not managed	
*Note: No pine data was collected for pine plantation stands less than 30 years old.		

Appendix Table H-96. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **D12-01, Alternatives A and B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																																																
Stand	Acres	Pine Age	Forest Type	Pine Stems 4- 10" dbh	Pine BA 4- 10" dbh	Pine Stems 10- 14" dbh	Pine BA 10- 14" dbh	Pine Stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4- 10" dbh	Hwd Stems 10- 14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10" dbh	Total Stand BA (Pines + Hwds)	Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA																				
D1102	4.02	88	21	17.18	5.00	20.15	14.50	8.66	11.50	35.55	5.20	2.00	6.50	26.00	37.50	1	28	20	3	1	3.63	PS					4.02	104.52																				
D1103	40.68	88	21	10.52	2.50	12.22	9.50	27.54	41.00	3.61	0.68	0.78	1.50	50.50	54.50	1	21	4	3	1	4.65	CS	40.68	2,054.34																								
D1103	0.11	88	21U	10.52	2.50	12.22	9.50	27.54	41.00	3.61	0.68	0.78	1.50	50.50	54.50	1	21	4	3	1	4.65	CS	0.11	5.56																								
D1104	15.74	88	31	42.17	13.50	24.43	17.00	13.32	18.00	23.49	6.97	1.29	7.50	35.00	56.00	1	25	18	3	1	4.10	PS					15.74	550.90																				
D1104	0.02	88	31U	42.17	13.50	24.43	17.00	13.32	18.00	23.49	6.97	1.29	7.50	35.00	56.00	1	25	18	3	1	4.10	PS					0.02	0.70																				
D1105	7.68	NM	31	23.10	4.29	5.95	4.29	3.93	7.14	11.91	8.75	0.22	7.14	11.43	22.86	1	37	48	3	1	2.70	NH					0.00	0.00																				
D1106	16.93	88	26	2.51	1.00	8.88	6.50	21.84	33.50	4.70	3.07	1.22	4.50	40.00	45.50	1	29	12	3	1	4.58	CS	16.93	677.20																								
D1109	0.64	78	31	19.55	5.50	12.80	9.00	19.33	29.50	25.87	6.42	3.70	10.50	38.50	54.50	1	26	24	3	1	4.41	CS	0.64	24.64																								
D1202	0.50	61	31	33.98	9.00	29.77	20.50	15.84	25.00	3.17	2.49	0.91	3.50	45.50	58.00	2	31	7	3	1	4.56	PS					0.50	22.75																				
D1209	0.37	49	26	32.67	9.00	20.13	14.00	7.36	10.50	29.04	8.50	2.75	9.50	24.50	43.00	2	19	29	3	1	3.17	PS					0.37	9.07																				
D1216	4.90	68	31	23.09	7.50	11.15	8.00	7.82	12.00	9.81	6.10	2.72	8.50	20.00	36.00	1	25	32	3	1	3.49	PS					4.90	98.00																				
D1216	24.66	68	31U	23.09	7.50	11.15	8.00	7.82	12.00	9.81	6.10	2.72	8.50	20.00	36.00	1	25	32	3	1	3.49	PS					24.66	493.20																				
D1217	1.31	47	31	20.19	5.00	24.23	17.50	10.89	16.50	14.09	1.44	0.74	2.00	34.00	41.00	2	36	6	3	1	3.96	PS					1.31	44.54																				
D1218	9.57	47	31	27.56	9.00	37.12	25.50	8.42	12.00	21.03	1.22	1.28	3.00	37.50	49.50	1	26	5	3	1	3.56	PS					9.57	358.88																				
D1219	28.85	51	21	11.49	3.50	12.27	9.50	8.38	12.00	8.49	7.86	2.10	8.00	21.50	33.00	2	29	33	3	1	3.37	PS					28.85	620.28																				
D1219	0.13	51	21U	11.49	3.50	12.27	9.50	8.38	12.00	8.49	7.86	2.10	8.00	21.50	33.00	2	29	33	3	1	3.37	PS					0.13	2.80																				
D1227	7.43	51	21	19.17	4.29	11.97	10.00	27.07	37.14	3.23	6.48	2.09	7.14	47.14	58.57	2	20	18	3	1	4.38	PS					7.43	350.25																				
D1229	13.91	58	26	19.97	7.00	29.60	21.50	28.46	42.00	3.93	2.74	0.97	3.50	63.50	74.00	1	27	6	3	1	4.46	PS					13.91	853.29																				
D1229	0.04	58	26U	19.97	7.00	29.60	21.50	28.46	42.00	3.93	2.74	0.97	3.50	63.50	74.00	1	27	6	3	1	4.46	PS					0.04	2.54																				
D1230	6.40	40	10	35.81	9.50	27.20	18.50	5.58	7.50	20.95	8.66	5.10	14.50	26.00	50.00	1	24	30	3	1	3.11	PS					6.40	166.40																				
D1230	0.23	40	10U	35.81	9.50	27.20	18.50	5.58	7.50	20.95	8.66	5.10	14.50	26.00	50.00	1	24	30	3	1	3.11	PS					0.23	5.98																				
D1243	3.46	44	25	6.66	2.50	14.75	11.00	10.30	14.50	23.82	2.23	0.39	2.00	25.50	30.00	1	24	9	3	1	3.63	PS					3.46	88.23																				
D1243	3.61	44	25U	6.66	2.50	14.75	11.00	10.30	14.50	23.82	2.23	0.39	2.00	25.50	30.00	1	24	9	3	1	3.63	PS					3.61	92.06																				
D1244	3.04	61	31	17.53	6.00	17.51	13.50	5.40	7.50	2.66	5.10	1.47	6.50	21.00	33.50	1	23	22	3	1	3.49	PS					3.04	63.84																				
D1244	12.71	61	31U	17.53	6.00	17.51	13.50	5.40	7.50	2.66	5.10	1.47	6.50	21.00	33.50	1	23	22	3	1	3.49	PS					12.71	266.91																				
pp1027*	0.04	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH					0.04	0.00																				
pp1079*	19.34	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH					19.34	0.00																				
226.32																																											58.36	2,761.74	0.00	0.00	160.28	4,225.14

REMOVALS																			
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed										
D1102	2009	69743	Southern Training Area Infrastructure-Maneuver Area					1.27	33.02										
D1102	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					0.01	0.26										
D1103	2009	69743	Southern Training Area Infrastructure-Maneuver Area	0.31	15.66														
D1103	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails	4.17	210.59														
D1104	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					3.25	113.75										
D1202	2009	69743	Southern Training Area Infrastructure-Maneuver Area					0.17	7.74										
D1202	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					0.33	15.02										
D1209	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					0.37	9.07										
D1216	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					2.51	50.20										
D1217	2009	69743	Southern Training Area Infrastructure-Maneuver Area					0.27	9.18										
D1217	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					0.48	16.32										
D1218	2009	69743	Southern Training Area Infrastructure-Maneuver Area					2.69	100.88										
D1218	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					0.65	24.38										
D1219	2009	69743	Southern Training Area Infrastructure-Maneuver Area					2.03	43.65										
D1219	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					0.80	17.20										
D1229	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					1.55	98.43										
D1243	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					0.34	8.67										
D1244	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					1.82	38.22										
pp1027*	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					0.01	0.00										
pp1079*	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					3.90	0.00										
TOTAL REMOVALS				4.48	226.25	0.00	0.00	22.45	585.99										

POST-PROJECT			2009	
Suitable Habitat	Acres	BA	53.88	2,535.49
Potentially Suitable Habitat	0.00	0.00		
Future Potential Habitat	137.83	3,639.15		
TOTAL	191.71	6,174.64		

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
0= no data available
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
10U = Yellow Pine-Upland Hardwood Underplanted
21 = Longleaf Pine
21P = Longleaf Pine Underplanted
25 = Mixed Pine
25U = Mixed Pine Underplanted
26 = Mixed Pine-Longleaf
26U = Mixed Pine-Longleaf Underplanted
31 = Loblolly Pine
31U = Loblolly Pine Underplanted
NM = not managed

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Appendix Table H-97. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **D16-01 Alternatives A and B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																											
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems >14" dbh	Hwd BA >10" dbh	Pine BA >10" dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
D0614	0.21	94	25	25.39	6.00	5.33	4.00	14.99	25.00	6.55	5.59	1.49	6.50	29.00	41.50	2	40	26	3	1	0					0.00	0.00
D1613	20.03	57	31	33.99	8.00	9.17	6.50	3.89	6.00	2.17	0.86	3.40	6.00	12.50	26.50	7	27	25	3	1	0					20.03	250.38
D1614	13.37	71	11	4.41	1.50	5.40	4.50	6.17	10.00	15.80	8.66	3.06	11.50	14.50	27.50	1	17	50	3	1	0					13.37	193.87
D1616	8.65	47	26	63.43	15.00	6.18	4.00	10.50	18.00	4.53	1.84	2.24	4.50	22.00	41.50	1	23	20	3	1	0					8.65	190.30
D1621	1.67	51	31	11.62	4.00	19.00	13.50	12.50	17.00	15.39	5.32	1.06	5.50	30.50	40.00	1	32	17	3	1	1	0.00	0.00				
D1624	18.51	36	31	38.33	11.50	38.97	26.00	5.91	7.50	8.21	3.41	0.62	3.50	33.50	48.50	6	30	8	3	1	0				18.51	620.09	
D1627	16.73	77	21	19.70	5.00	16.67	12.50	25.24	37.50	0.00	4.31	2.36	6.50	50.00	61.50	3	38	14	3	1	1	16.73	836.50				
D1627	0.03	77	21U	19.70	5.00	16.67	12.50	25.24	37.50	0.00	4.31	2.36	6.50	50.00	61.50	3	38	14	3	1	1	0.03	1.50				
D1628	21.87	43	21	41.37	12.50	18.19	13.50	11.76	16.50	7.55	5.41	1.48	5.50	30.00	48.00	1	29	19	3	1	1	21.87	656.10				
D1629	60.87	64	31	25.57	7.00	7.44	5.00	13.76	22.00	6.92	2.23	2.37	6.00	27.00	40.00	2	32	18	3	1	0					60.87	1,643.49
D1629	0.06	64	31U	25.57	7.00	7.44	5.00	13.76	22.00	6.92	2.23	2.37	6.00	27.00	40.00	2	32	18	3	1	0					0.06	1.62
D1630	1.45	74	26U	14.62	3.50	0.64	0.50	12.96	23.00	6.41	0.88	4.58	8.00	23.50	35.00	1	5	29	3	1	0					0.00	0.00
D1634	9.90	64	26	30.30	8.00	5.51	4.00	8.62	13.50	15.53	5.35	2.52	7.50	17.50	33.00	6	31	36	3	1	0					9.90	173.25
D1634	0.32	64	26U	30.30	8.00	5.51	4.00	8.62	13.50	15.53	5.35	2.52	7.50	17.50	33.00	6	31	36	3	1	0					0.32	5.60
D1639	0.17	116	32	24.58	6.00	10.93	8.50	3.06	4.50	0.00	1.44	0.00	1.00	13.00	20.00	6	48	9	3	1	0					0.17	2.21
D1639	3.52	116	32U	24.58	6.00	10.93	8.50	3.06	4.50	0.00	1.44	0.00	1.00	13.00	20.00	6	48	9	3	1	0					3.52	45.76
pp135*	3.01	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					3.01	0.00
pp138*	18.18	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					18.18	0.00
pp234*	9.51	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					9.51	0.00
pp289*	19.90	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					19.90	0.00
pp921*	0.45	2	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
228.41																						38.63	1,494.10	18.51	620.09	167.49	2,506.48

REMOVALS										Suitable Acreage Removed		Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
Stand	Fiscal Year	Project Number	Project Name							Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
D1613	2009	69743	Southern Training Area Infrastructure-Maneuver Area											13.37	167.13
D1614	2009	69743	Southern Training Area Infrastructure-Maneuver Area											6.09	88.31
D1616	2009	69743	Southern Training Area Infrastructure-Maneuver Area											1.39	30.58
D1624	2009	69743	Southern Training Area Infrastructure-Maneuver Area									18.50	619.75	0.64	11.20
D1634	2009	69743	Southern Training Area Infrastructure-Maneuver Area											3.01	0.00
pp135*	2009	69743	Southern Training Area Infrastructure-Maneuver Area											1.85	0.00
pp138*	2009	69743	Southern Training Area Infrastructure-Maneuver Area											3.05	0.00
pp289*	2009	69743	Southern Training Area Infrastructure-Maneuver Area												
TOTAL REMOVALS										0.00	0.00	18.50	619.75	29.40	297.22

POST-PROJECT			2009
	Acres	BA	
Suitable Habitat	38.63	1,494.10	
Potentially Suitable Habitat	0.01	0.34	
Future Potential Habitat	138.09	2,209.26	
TOTAL	176.73	3,703.70	

BA = basal area	Type Burn:	Stand Score
dbh = diameter at breast height	0=no data available	0=Unsuitable
hwd = hardwood	1=non-growing season	1=Suitable
hgc = herbaceous ground cover	2=growing season	
Hardwood Midstory:	Forest Type:	
1 = low, sparse	11 = Longleaf Pine-Upland Hardwood	
2 = low, moderate	21 = Longleaf Pine	
3 = low, dense	21P = Longleaf Pine Plantation	
4 = medium, sparse	21U = Longleaf Pine Underplanted	
5 = tall, sparse	25 = Mixed Pine	
6 = medium, moderate	26 = Mixed Pine-Longleaf	
7 = tall, moderate	26U = Mixed Pine-Longleaf Underplanted	
8 = medium, dense	31 = Shortleaf Pine	
9 = tall, dense	31U = Shortleaf Pine Underplanted	
	32 = Loblolly Pine	
	32U = Loblolly Pine Underplanted	
* Note: No pine data was collected for pine plantation stands less than 30 years old.		
Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.		

Appendix Table H-98. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster
D16-01, Alternatives A and B for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																												
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine Stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems >14" dbh	Hwd BA >10" dbh	Pine BA >10" dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
D0614	0.21	94	25	25.39	6.00	5.33	4.00	14.99	25.00	6.55	5.59	1.49	6.50	29.00	41.50	2	40	26	3	1	4.29	PS					0.00	0.00
D1613	20.03	57	31	33.99	8.00	9.17	6.50	3.89	6.00	2.17	0.86	3.40	6.00	12.50	26.50	7	27	25	3	1	2.71	PS					20.03	250.38
D1614	13.37	71	11	4.41	1.50	5.40	4.50	6.17	10.00	15.80	8.66	3.06	11.50	14.50	27.50	1	17	50	3	1	3.36	PS					13.37	193.87
D1616	8.65	47	26	63.43	15.00	6.18	4.00	10.50	18.00	4.53	1.84	2.24	4.50	22.00	41.50	1	23	20	3	1	3.57	PS					8.65	190.30
D1621	1.67	51	31	11.62	4.00	19.00	13.50	12.50	17.00	15.39	5.32	1.06	5.50	30.50	40.00	1	32	17	3	1	3.94	PS					0.00	0.00
D1624	18.51	36	31	38.33	11.50	38.97	26.00	5.91	7.50	9.21	3.41	0.62	3.50	33.50	48.50	6	30	8	3	1	3.01	PS					18.51	620.09
D1627	16.73	77	21	19.70	5.00	16.67	12.50	25.24	37.50	0.00	4.31	2.36	6.50	50.00	61.50	3	38	14	3	1	4.68	CS	16.73	836.50				
D1627	0.03	77	21U	19.70	5.00	16.67	12.50	25.24	37.50	0.00	4.31	2.36	6.50	50.00	61.50	3	38	14	3	1	4.68	CS	0.03	1.50				
D1628	21.87	43	21	41.37	12.50	18.19	13.50	11.76	16.50	7.55	5.41	1.48	5.50	30.00	48.00	1	29	19	3	1	3.62	PS					21.87	656.10
D1629	60.87	64	31	25.57	7.00	7.44	5.00	13.76	22.00	6.92	2.23	2.37	6.00	27.00	40.00	2	32	18	3	1	4.35	PS					60.87	1,643.49
D1629	0.06	64	31U	25.57	7.00	7.44	5.00	13.76	22.00	6.92	2.23	2.37	6.00	27.00	40.00	2	32	18	3	1	4.35	PS					0.06	1.62
D1630	1.45	74	26U	14.62	3.50	0.64	0.50	12.96	23.00	6.41	0.88	4.58	8.00	23.50	35.00	1	5	29	3	1	3.49	PS					0.00	0.00
D1634	9.90	64	26	30.30	8.00	5.51	4.00	8.62	13.50	15.53	5.35	2.52	7.50	17.50	33.00	6	31	36	3	1	3.30	PS					9.90	173.25
D1634	0.32	64	26U	30.30	8.00	5.51	4.00	8.62	13.50	15.53	5.35	2.52	7.50	17.50	33.00	6	31	36	3	1	3.30	PS					0.32	5.60
D1639	0.17	116	32	24.58	6.00	10.93	8.50	3.06	4.50	0.00	1.44	0.00	1.00	13.00	20.00	6	48	9	3	1	3.24	PS					0.17	2.21
D1639	3.52	116	32U	24.58	6.00	10.93	8.50	3.06	4.50	0.00	1.44	0.00	1.00	13.00	20.00	6	48	9	3	1	3.24	PS					3.52	45.76
pp135*	3.01	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH					3.01	0.00
pp138*	18.18	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH					18.18	0.00
pp234*	9.51	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH					9.51	0.00
pp289*	19.90	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH					19.90	0.00
pp921*	0.45	2	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH					0.00	0.00
228.41																												
																						16.76	838.00	0.00	0.00	207.87	3,782.67	

REMOVALS										Suitable Acreage		Potentially Suitable		Potentially Suitable BA		Future Potential		Future Potential	
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Acreage Removed	Removed	Acreage Removed	BA Removed										
D1613	2009	69743	Southern Training Area Infrastructure-Maneuver Area					13.37	167.13										
D1614	2009	69743	Southern Training Area Infrastructure-Maneuver Area					6.09	88.31										
D1616	2009	69743	Southern Training Area Infrastructure-Maneuver Area					1.39	30.58										
D1624	2009	69743	Southern Training Area Infrastructure-Maneuver Area					18.50	619.75										
D1634	2009	69743	Southern Training Area Infrastructure-Maneuver Area					0.64	11.20										
pp135*	2009	69743	Southern Training Area Infrastructure-Maneuver Area					3.01	0.00										
pp138*	2009	69743	Southern Training Area Infrastructure-Maneuver Area					1.85	0.00										
pp289*	2009	69743	Southern Training Area Infrastructure-Maneuver Area					3.05	0.00										
TOTAL REMOVALS				0.00	0.00	0.00	0.00	47.90	916.97										

POST-PROJECT			2009
Suitable Habitat	Acres	BA	
Suitable Habitat	16.76	838.00	
Potentially Suitable Habitat	0.00	0.00	
Future Potential Habitat	159.97	2,865.70	
TOTAL	176.73	3,703.70	

Key:		
BA= basal area	Type Burn:	Suitability
dbh= diameter at breast height	0=no data available	CS= currently suitable
hwd= hardwood	1=non-growing season	PS= potentially suitable
hgc= herbaceous ground cover	2=growing season	NH= non-habitat
Hardwood Midstory:	Forest Type:	
1 = low, sparse	11 = Longleaf Pine-Upland Hardwood	
2 = low, moderate	21 = Longleaf Pine	
3 = low, dense	21P = Longleaf Pine Plantation	
4 = medium, sparse	21U = Longleaf Pine Underplanted	
5 = tall, sparse	25 = Mixed Pine	
6 = medium, moderate	26 = Mixed Pine-Longleaf	
7 = tall, moderate	26U = Mixed Pine-Longleaf Underplanted	
8 = medium, dense	31 = Shortleaf Pine	
9 = tall, dense	31U = Shortleaf Pine Underplanted	
	32 = Loblolly Pine	
	32U = Loblolly Pine Underplanted	
* Note: No pine data was collected for pine plantation stands less than 30 years old.		
Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.		

Appendix Table H-99. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **D16-02, Alternatives A and B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																											
Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems >14" dbh	Hwd BA >10" dbh	Pine BA >10" dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
D0614	13.51	94	25	25.39	6.00	5.33	4.00	14.99	25.00	6.55	5.59	1.49	6.50	29.00	41.50	2	40	26	3	1	0					13.51	391.79
D0618	18.44	67	25	29.44	6.00	7.67	5.50	8.34	13.00	13.36	3.29	0.86	3.50	18.50	28.00	6	26	21	3	1	0					18.44	341.14
D0623	28.14	46	25	59.39	17.00	20.72	14.50	9.67	13.50	23.65	5.81	0.74	5.50	28.00	50.50	2	29	18	3	1	0					28.14	787.92
D0628	0.67	71	41**	10.27	2.50	2.75	2.00	10.45	18.00	21.11	18.56	23.89	59.50	20.00	82.00	7	15	76	3	1	0					0.00	0.00
D0634	11.26	37	31	56.38	13.00	7.63	5.00	4.47	5.50	31.33	2.74	4.22	9.00	10.50	32.50	6	24	37	3	1	0					11.26	118.23
D0704	16.58	42	25	68.39	18.50	16.04	11.50	4.49	5.50	2.48	0.00	0.37	1.00	17.00	36.50	1	35	2	3	1	0					16.58	281.86
D1012	1.40	20	31	61.60	16.67	5.77	5.00	1.41	1.67	18.82	0.00	0.00	0.00	6.67	23.33	1	35	0	3	1	0					1.40	9.34
D1020	5.19	63	25	7.14	1.58	10.21	8.42	16.55	23.68	7.65	3.82	1.86	5.26	32.11	38.95	1	36	17	3	1	1	5.19	166.65				
D1613	5.91	57	31	33.99	8.00	9.17	6.50	3.89	6.00	2.17	0.86	3.40	6.00	12.50	26.50	7	27	25	3	1	0					5.91	73.88
D1632	8.18	56	21	65.54	13.75	6.21	5.00	6.66	8.75	5.77	1.38	0.73	2.50	13.75	30.00	6	26	14	3	1	0					8.18	112.48
D1634	14.49	64	26	30.30	8.00	5.51	4.00	8.62	13.50	15.53	5.35	2.52	7.50	17.50	33.00	6	31	36	3	1	0					14.49	253.58
D1634	0.15	64	26U	30.30	8.00	5.51	4.00	8.62	13.50	15.53	5.35	2.52	7.50	17.50	33.00	6	31	36	3	1	0					0.15	2.63
D1639	0.34	116	32	24.58	6.00	10.93	8.50	3.06	4.50	0.00	1.44	0.00	1.00	13.00	20.00	6	48	9	3	1	0					0.34	4.42
D1639	14.82	116	32U	24.58	6.00	10.93	8.50	3.06	4.50	0.00	1.44	0.00	1.00	13.00	20.00	6	48	9	3	1	0					14.82	192.66
D1641	21.12	53	31	73.90	15.50	4.06	3.00	10.25	17.50	2.65	4.96	1.04	5.00	20.50	41.00	1	28	30	3	1	0					21.12	432.96
D1644	10.96	64	32	27.79	8.00	15.50	10.50	8.11	11.50	8.00	3.39	1.50	5.00	22.00	35.00	6	38	17	3	1	0					10.96	241.12
D1725	8.06	22	31	66.56	18.00	17.74	12.00	5.68	8.00	2.17	0.68	1.09	2.50	20.00	40.50	6	37	7	3	1	0					8.06	161.20
D1735	0.81	54	31	20.51	5.00	10.41	7.50	9.73	15.50	3.92	5.04	5.32	14.50	23.00	42.50	5	25	34	3	1	0					0.81	18.63
D1738	11.36	57	25	12.56	4.00	17.71	14.00	16.33	22.00	2.54	3.39	1.20	5.50	36.00	45.50	1	29	12	3	1	1	11.36	408.96				
pp137*	1.39	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					1.39	0.00
pp235*	2.01	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					2.01	0.00
pp290*	12.59	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					12.59	0.00
pp291*	4.69	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					4.69	0.00
pp292*	9.20	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					9.20	0.00
pp732*	2.13	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					2.13	0.00
pp733*	3.36	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					3.36	0.00
pp734*	0.15	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.15	0.00
226.91																						16.55	575.61	0.00	0.00	209.69	3,423.84

REMOVALS										Key:									
Stand	Year	Fiscal	Project	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed	ba=	basal area	Type Burn:	Stand Score					
D0614	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails						4.99	144.71	dbh=	diameter at breast height	0=no data available	0=Unsuitable					
D0614	2009	69743	Southern Training Area Infrastructure-Maneuver Area						7.50	217.50	hwd=	hardwood	1=non-growing season	1=Suitable					
D0618	2009	69743	Southern Training Area Infrastructure-Maneuver Area						0.58	10.73	hgc=	herbaceous ground cover	2=growing season						
D0623	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trail						6.91	193.48									
D0623	2009	69743	Southern Training Area Infrastructure-Maneuver Area						16.32	456.96									
D0634	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails						1.79	18.80									
D0634	2009	69743	Southern Training Area Infrastructure-Maneuver Area						9.47	99.44									
D0704	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails						4.49	76.33									
D0704	2009	69743	Southern Training Area Infrastructure-Maneuver Area						12.10	205.70									
D1012	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails						0.98	6.54									
D1012	2009	69743	Southern Training Area Infrastructure-Maneuver Area						0.42	2.80									
D1020	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails																
D1020	2009	69743	Southern Training Area Infrastructure-Maneuver Area																
D1613	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails						1.84	23.00									
D1613	2009	69743	Southern Training Area Infrastructure-Maneuver Area						4.06	50.75									
D1632	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails						0.16	2.20									
D1632	2009	69743	Southern Training Area Infrastructure-Maneuver Area						8.01	110.14									
D1634	2009	69743	Southern Training Area Infrastructure-Maneuver Area						5.94	103.95									
D1639	2009	69743	Southern Training Area Infrastructure-Maneuver Area						0.03	0.39									
D1641	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails						5.25	107.63									
D1641	2009	69743	Southern Training Area Infrastructure-Maneuver Area						15.63	320.42									
D1641	2009	69743	Southern Training Area Infrastructure-Urban Training Site						0.24	4.92									
D1644	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails						1.60	35.20									
D1644	2009	69743	Southern Training Area Infrastructure-Maneuver Area						9.36	205.92									
D1725	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails						1.85	37.00									
D1725	2009	69743	Southern Training Area Infrastructure-Maneuver Area						6.21	124.20									
D1735	2009	69743	Southern Training Area Infrastructure-Maneuver Area						0.81	18.63									
D1738	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails																
D1738	2009	69743	Southern Training Area Infrastructure-Maneuver Area																
pp137*	2009	69743	Southern Training Area Infrastructure-Maneuver Area																
pp235*	2009	69743	Southern Training Area Infrastructure-Maneuver Area																
pp290*	2009	69743	Southern Training Area Infrastructure-Maneuver Area																
pp291*	2009	69743	Southern Training Area Infrastructure-Maneuver Area																
pp292*	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails																
pp292*	2009	69743	Southern Training Area Infrastructure-Maneuver Area																
pp732*	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails																
pp732*	2009	69743	Southern Training Area Infrastructure-Maneuver Area																
pp733*	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails																
pp733*	2009	69743	Southern Training Area Infrastructure-Maneuver Area																
pp734*	2009	69743	Southern Training Area Infrastructure-Maneuver Area																
TOTAL REMOVALS					16.55	575.61	0.00	0.00	159.06	2,577.34									

POST-PROJECT			2009	
			Acres	BA
Suitable Habitat			0.00	0.00
Potentially Suitable Habitat			0.00	0.00
Future Potential Habitat			50.63	846.50
SUB-TOTAL			50.63	846.50
non-contiguous habitat			-24.03	-497.47
TOTAL			26.60	349.03

D16-02, Alternatives A and B for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																											
Stand	Acres	Pine Age	Forest Type	Pine Stems	Pine BA 4-10' dbh	Pine Stems 10-14' dbh	Pine BA 10-14' dbh	Pine Stems >14' dbh	Pine BA >14' dbh	Hwd Stems 4-10' dbh	Hwd Stems 10-14' dbh	Hwd Stems >14' dbh	Hwd BA >10' dbh	Pine BA >10' dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
D0614	13.51	94	25	25.39	6.00	5.33	4.00	14.99	25.00	6.55	5.59	1.49	6.50	29.00	41.50	2	40	26	3	1	4.29	PS				13.51	391.79
D0618	18.44	67	25	29.44	6.00	7.67	5.50	8.34	13.00	13.36	3.29	0.86	3.50	18.50	28.00	6	26	21	3	1	3.33	PS				18.44	341.14
D0623	28.14	46	25	59.39	17.00	20.72	14.50	9.67	13.50	23.65	5.81	0.74	5.50	28.00	50.50	2	29	18	3	1	3.46	PS				28.14	787.92
D0628	0.67	71	41**	10.27	2.50	2.75	2.00	10.45	18.00	21.11	18.56	23.89	59.50	20.00	82.00	7	15	76	3	1	3.36	PS				0.00	0.00
D0634	11.26	37	31	56.38	13.00	7.63	5.00	4.47	5.50	31.33	2.74	4.22	9.00	10.50	32.50	6	24	37	3	1	2.44	PS				11.26	118.23
D0704	16.58	42	25	38.39	16.04	11.50	4.49	4.49	5.50	2.48	0.00	0.37	1.00	17.00	36.50	1	35	2	3	1	3.14	PS				16.58	281.86
D1012	1.40	20	31	61.60	16.67	5.77	5.00	1.41	1.67	18.82	0.00	0.00	0.00	6.67	23.33	1	35	0	3	1	2.72	NH				1.40	3.94
D1020	5.19	63	25	7.14	1.58	10.21	8.42	16.55	23.68	7.65	3.82	1.86	5.26	32.11	38.95	1	36	17	3	1	4.37	PS				5.19	166.05
D1613	5.91	57	31	33.99	8.00	9.17	6.50	3.89	6.00	2.17	0.86	3.40	6.00	12.50	26.50	7	27	25	3	1	2.71	PS				5.91	73.88
D1632	8.18	56	21	65.54	13.75	6.21	5.00	3.66	8.75	5.77	1.38	0.73	2.50	13.75	30.00	6	26	14	3	1	3.06	PS				8.18	112.48
D1634	14.49	64	25	14.49	8.00	5.51	4.00	8.62	13.50	15.53	5.35	2.52	7.50	17.50	33.00	6	31	36	3	1	3.30	PS				14.49	253.58
D1634	0.15	64	26U	30.30	8.00	4.00	4.00	8.62	13.50	15.53	5.35	2.52	7.50	17.50	33.00	6	31	36	3	1	3.30	PS				0.15	2.63
D1639	0.34	116	32	24.58	6.00	10.93	8.50	3.06	4.50	0.00	1.44	0.00	1.00	13.00	20.00	6	48	9	3	1	3.24	PS				0.34	4.42
D1639	14.82	116	32U	24.58	6.00	10.93	8.50	3.06	4.50	0.00	1.44	0.00	1.00	13.00	20.00	6	48	9	3	1	3.24	PS				14.82	192.66
D1641	21.12	53	31	73.90	15.50	4.06	3.00	10.25	17.50	2.65	4.96	1.04	5.00	20.50	41.00	1	28	30	3	1	3.65	PS				21.12	432.96
D1644	10.96	64	32	27.79	8.00	15.50	10.50	8.11	11.50	8.00	3.39	1.50	5.00	22.00	35.00	6	38	17	3	1	3.48	PS				10.96	241.12
D1725	8.06	22	31	65.56	18.00	17.74	12.00	5.68	8.00	2.17	0.68	1.09	2.50	20.00	40.50	6	37	7	3	1	2.84	NH				8.06	161.20
D1735	0.81	54	31	20.51	5.00	10.41	7.50	9.73	15.50	3.92	5.04	5.32	14.50	23.00	42.50	5	25	34	3	1	3.42	PS				0.81	18.63
D1738	11.36	57	25	12.56	4.00	17.71	14.00	16.33	22.00	2.54	3.39	1.20	5.50	36.00	45.50	1	29	12	3	1	4.24	PS				11.36	408.96
pp137*	1.39	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH				1.39	0.00
pp235*	2.01	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH				2.01	0.00
pp290*	12.59	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH				12.59	0.00
pp291*	4.59	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH				4.59	0.00
pp292*	9.20	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH				9.20	0.00
pp732*	2.13	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH				2.13	0.00
pp733*	3.36	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH				3.36	0.00
pp734*	0.15	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.91	NH				0.15	0.00
226.91																						0.00	0.00	0.00	0.00	226.24	3,999.45

REMOVALS									
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
D0614	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					4.99	144.71
D0614	2009	69743	Southern Training Area Infrastructure-Maneuver Area					7.50	217.50
D0618	2009	69743	Southern Training Area Infrastructure-Maneuver Area					0.58	10.73
D0623	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					6.91	193.48
D0623	2009	69743	Southern Training Area Infrastructure-Maneuver Area					16.32	456.96
D0634	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					1.79	18.80
D0634	2009	69743	Southern Training Area Infrastructure-Maneuver Area					9.47	99.44
D0704	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					4.49	76.33
D0704	2009	69743	Southern Training Area Infrastructure-Maneuver Area					12.10	205.70
D1012	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					0.98	6.54
D1012	2009	69743	Southern Training Area Infrastructure-Maneuver Area					0.42	2.80
D1020	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					1.20	36.53
D1020	2009	69743	Southern Training Area Infrastructure-Maneuver Area					3.99	128.12
D1613	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					1.84	23.00
D1613	2009	69743	Southern Training Area Infrastructure-Maneuver Area					4.06	50.75
D1632	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					0.16	2.20
D1632	2009	69743	Southern Training Area Infrastructure-Maneuver Area					8.01	110.14
D1634	2009	69743	Southern Training Area Infrastructure-Maneuver Area					5.94	103.95
D1639	2009	69743	Southern Training Area Infrastructure-Maneuver Area					0.23	0.39
D1641	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					5.25	107.63
D1641	2009	69743	Southern Training Area Infrastructure-Maneuver Area					15.63	320.42
D1641	2009	69743	Southern Training Area Infrastructure-Urban Training Site					0.24	4.92
D1644	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					1.60	35.20
D1644	2009	69743	Southern Training Area Infrastructure-Maneuver Area					20.52	96.36
D1725	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					1.85	27.00
D1725	2009	69743	Southern Training Area Infrastructure-Maneuver Area					6.21	124.20
D1735	2009	69743	Southern Training Area Infrastructure-Maneuver Area					0.81	18.63
D1738	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					2.51	90.36
D1738	2009	69743	Southern Training Area Infrastructure-Maneuver Area					8.85	318.60
pp137*	2009	69743	Southern Training Area Infrastructure-Maneuver Area					0.30	0.00
pp235*	2009	69743	Southern Training Area Infrastructure-Maneuver Area					0.30	0.00
pp290*	2009	69743	Southern Training Area Infrastructure-Maneuver Area					12.20	0.00
pp291*	2009	69743	Southern Training Area Infrastructure-Maneuver Area					4.15	0.00
pp292*	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					2.68	0.00
pp292*	2009	69743	Southern Training Area Infrastructure-Maneuver Area					6.53	0.00
pp732*	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					0.66	0.00
pp732*	2009	69743	Southern Training Area Infrastructure-Maneuver Area					1.32	0.00
pp733*	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					0.01	0.00
pp733*	2009	69743	Southern Training Area Infrastructure-Maneuver Area					3.35	0.00
pp734*	2009	69743	Southern Training Area Infrastructure-Maneuver Area					0.02	0.00
TOTAL REMI				0.00	0.00	0.00	0.00	175.61	3,152.95

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
0= no data available
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1= low, sparse
2= low, moderate
3= low, dense
4= medium, sparse
5= tall, sparse
6= medium, moderate
7= tall, moderate
8= medium, dense
9= tall, dense

Forest Type:
21= Longleaf Pine
21P= Longleaf Pine Plantation
25= Mixed Pine
26= Mixed Pine-Longleaf
26U= Mixed Pine-Longleaf Underplanted
31= Loblolly Pine
32= Shortleaf Pine
32U= Shortleaf Pine Underplanted
41**= Cove Hardwood-Yellow Pine (managed for hardwoods)

*Note: No pine data was collected for pine plantation stands less than 30 years old.
Stands D0614, D0618, D0623, pp137 and pp732 will be non-contiguous as a result of project impacts and cannot be counted towards the available foraging habitat for the partition.

POST-PROJECT		2009	
Suitable Habitat	Acres	BA	
Potentially Suitable Habitat	0.00	0.00	
Future Potential Habitat	0.00	0.00	
Future Potential Habitat	50.63	846.50	
SUB-TOTAL	50.63	846.50	
non-contiguous habitat	24.03	497.47	
TOTAL	26.60	349.03	