

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-101. 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 **D17-01 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 (Pines + Hwds)	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
D0704	1.75	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					1.75	29.75
D0705	1.97	80	25	13.01	4.00	7.19	6.00	8.05	12.00	0.00	0.00	3.22	4.00	18.00	26.00	2	24	17	3	1	0					1.97	35.46
D1008	17.87	71	31	23.46	6.00	16.29	12.50	16.22	25.00	3.03	2.13	1.53	4.00	37.50	47.50	1	41	10	3	1	1	17.87	670.13				
D1009	10.52	71	31	29.76	8.50	11.08	8.00	15.99	22.50	7.26	3.43	0.66	3.50	30.50	42.50	6	34	13	3	1	0						
D1010	34.49	64	25	0.00	0.00	15.99	12.50	22.57	31.00	10.96	3.90	1.49	5.50	43.50	49.00	1	44	12	3	1	1	34.49	1,500.32				
D1012	4.43	20	31	61.60	16.67	5.77	5.00	1.41	1.67	18.82	0.00	0.00	6.67	23.33	1	35	0	3	1	0	0					4.43	29.55
D1016	24.70	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					24.70	469.30
D1020	68.28	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	68.28	2,192.47				
D1641	3.34	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					3.34	68.47
D1724	2.55	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					0.00	0.00
D1725	2.70	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					2.70	54.00
D1733	10.56	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					10.56	306.24
D1735	28.81	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					28.81	662.63
D1738	13.39	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	13.39	482.04				
pp136*	2.36	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					2.36	0.00
pp231*	5.16	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
pp232*	1.99	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					1.99	0.00
pp283*	2.75	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					2.75	0.00
pp284*	31.38	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					31.38	0.00
pp371*	10.65	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					10.65	0.00
pp402*	21.12	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					21.12	0.00
pp435*	11.84	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					11.84	0.00
pp436*	0.09	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					0.09	0.00
pp803*	0.07	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
312.77																						134.03	4,844.96	10.52	320.86	160.44	1,655.40

REMOVALS										Key:													
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	BA = basal area	dbh = diameter at breast height	hwd = hardwood	hgc = herbaceous ground cover	Type Burn:	Stand Score								
D0704	2009	69743	Southern Training Area Infrastructure-Maneuver Area					0.58	9.86	0=no data available				0=non-growing season	0=Unsuitable								
D1008	2009	69743	Southern Training Area Infrastructure-Urban Training Site	5.19	194.63					1=mon-growing season				1=non-growing season	1=Suitable								
D1008	2009	69743	Southern Training Area Infrastructure-Maneuver Area	7.41	277.88					2=growing season				2=growing season									
D1010	2009	69743	Southern Training Area Infrastructure-Urban Training Site	4.26	185.31					Hardwood Midstory:				Forest Type:									
D1010	2009	69743	Southern Training Area Infrastructure-Maneuver Area	15.06	655.11					1 = low, sparse				10 = Yellow Pine-Upland Hardwood									
D1010	2009	69743	Southern Training Area Infrastructure-Urban Training Site	1.17	50.90					2 = low, moderate				13 = Loblolly Pine-Hardwood									
D1012	2009	69743	Southern Training Area Infrastructure-Urban Training Site					0.94	6.27	3 = low, dense				21P = Longleaf Pine Plantation									
D1012	2009	69743	Southern Training Area Infrastructure-Maneuver Area					1.57	10.47	4 = medium, sparse				25 = Mixed Pine									
D1012	2009	69743	Southern Training Area Infrastructure-Urban Training Site					1.92	12.81	5 = tall, sparse				31 = Loblolly Pine									
D1016	2009	69743	Southern Training Area Infrastructure-Urban Training Site					0.90	17.10	6 = medium, moderate													
D1016	2009	69743	Southern Training Area Infrastructure-Maneuver Area					2.43	46.17	7 = tall, moderate													
D1020	2009	69743	Southern Training Area Infrastructure-Maneuver Area	15.09	484.54					8 = medium, dense													
D1641	2009	69743	Southern Training Area Infrastructure-Urban Training Site					0.59	12.10	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 D1725, D1773, and D1735 will be non-contiguous as a result of project impacts and cannot be counted towards the available foraging habitat for the partition.							
D1641	2009	69743	Southern Training Area Infrastructure-Maneuver Area					0.56	11.48														
D1641	2009	69743	Southern Training Area Infrastructure-Urban Training Site					2.19	44.90														
D1733	2009	69743	Southern Training Area Infrastructure-Urban Training Site					1.03	29.87														
D1733	2009	69743	Southern Training Area Infrastructure-Maneuver Area					4.85	140.65														
D1735	2009	69743	Southern Training Area Infrastructure-Urban Training Site					1.39	31.97														
D1735	2009	69743	Southern Training Area Infrastructure-Maneuver Area					10.52	241.96														
D1738	2009	69743	Southern Training Area Infrastructure-Urban Training Site	1.26	45.36																		
D1738	2009	69743	Southern Training Area Infrastructure-Maneuver Area	8.83	317.88																		
D1738	2009	69743	Southern Training Area Infrastructure-Urban Training Site	1.46	52.56																		
pp136*	2009	69743	Southern Training Area Infrastructure-Maneuver Area					1.27	0.00														
pp283*	2009	69743	Southern Training Area Infrastructure-Urban Training Site					0.63	0.00														
pp283*	2009	69743	Southern Training Area Infrastructure-Maneuver Area					2.12	0.00														
pp284*	2009	69743	Southern Training Area Infrastructure-Maneuver Area					1.05	0.00														
TOTAL REMOVALS				59.73	2,264.17	0.00	0.00	34.54	615.61														

POST-PROJECT			2009	
Suitable Habitat	Acres	BA	74.30	2,580.79
Potentially Suitable Habitat	10.52	320.86		
Future Potential Habitat	125.90	1,039.79		
SUB-TOTAL	210.72	3,941.44		
non-contiguous habitat	-24.28	-578.42		
TOTAL	186.44	3,363.02		

Appendix Table H-102. 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
D17-01, 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
D0704	1.75	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	3.14	PS					1.75	29.75
D0705	1.97	80	25	13.01	4.00	7.19	6.00	8.05	12.00	0.00	0.00	3.22	4.00	18.00	26.00	2	24	17	3	1	3.58	PS					1.97	35.46
D1008	17.87	71	31	23.46	6.00	16.29	12.50	16.22	25.00	3.03	2.13	1.53	4.00	37.50	47.50	1	41	10	3	1	4.57	PS					17.87	670.13
D1009	10.52	71	31	29.76	8.50	11.08	8.00	15.99	22.50	7.26	3.43	0.66	3.50	30.50	42.50	6	34	13	3	1	4.18	PS					10.52	320.86
D1010	34.49	64	25	0.00	0.00	15.99	12.50	22.57	31.00	10.96	3.90	1.49	5.50	43.50	49.00	1	44	12	3	1	4.79	CS	34.49	1,500.32				
D1012	4.43	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					4.43	29.55
D1016	24.70	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					24.70	469.30
D1020	68.28	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					68.28	2,192.47
D1641	3.34	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					3.34	68.47
D1724	2.55	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			0.00	0.00		
D1725	2.70	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	2.84	NH					2.70	54.00
D1733	10.56	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					10.56	306.24
D1735	28.81	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					28.81	662.63
D1738	13.39	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					13.39	482.04
pp136*	2.36	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					2.36	0.00
pp231*	5.16	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
pp232*	1.99	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					1.99	0.00
pp283*	2.75	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					2.75	0.00
pp284*	31.38	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					31.38	0.00
pp371*	10.65	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					10.65	0.00
pp402*	21.12	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					21.12	0.00
pp435*	11.84	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					11.84	0.00
pp436*	0.09	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					0.09	0.00
pp803*	0.07	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					0.00	0.00
	312.77																						34.49	1,500.32	0.00	0.00	270.50	5,320.90

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					
D0704	2009	69743	Southern Training Area Infrastructure-Maneuver Area				0.58	9.86					
D1008	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails				5.19	194.63					
D1008	2009	69743	Southern Training Area Infrastructure-Maneuver Area				7.41	277.88					
D1010	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails	4.26		185.31							
D1010	2009	69743	Southern Training Area Infrastructure-Maneuver Area	15.06		655.11							
D1010	2009	69743	Southern Training Area Infrastructure-Urban Training Site	1.17		50.90							
D1012	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails				0.94	6.27					
D1012	2009	69743	Southern Training Area Infrastructure-Maneuver Area				1.57	10.47					
D1012	2009	69743	Southern Training Area Infrastructure-Urban Training Site				1.92	12.81					
D1016	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails				0.90	17.10					
D1016	2009	69743	Southern Training Area Infrastructure-Maneuver Area				2.43	46.17					
D1020	2009	69743	Southern Training Area Infrastructure-Maneuver Area				15.09	484.54					
D1641	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails				0.59	12.10					
D1641	2009	69743	Southern Training Area Infrastructure-Maneuver Area				0.56	11.48					
D1641	2009	69743	Southern Training Area Infrastructure-Urban Training Site				2.19	44.90					
D1733	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails				1.03	29.87					
D1733	2009	69743	Southern Training Area Infrastructure-Maneuver Area				4.85	140.65					
D1735	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails				1.39	31.97					
D1735	2009	69743	Southern Training Area Infrastructure-Maneuver Area				10.52	241.96					
D1738	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails				1.26	45.36					
D1738	2009	69743	Southern Training Area Infrastructure-Maneuver Area				8.63	317.89					
D1738	2009	69743	Southern Training Area Infrastructure-Urban Training Site				1.46	52.56					
pp136*	2009	69743	Southern Training Area Infrastructure-Maneuver Area				1.27	0.00					
pp283*	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails				0.63	0.00					
pp283*	2009	69743	Southern Training Area Infrastructure-Maneuver Area				2.12	0.00					
pp284*	2009	69743	Southern Training Area Infrastructure-Maneuver Area				1.05	0.00					
TOTAL REMOVALS				20.49	891.32	0.00	0.00	1,988.46					

Key:

BA= basal area
dbh= diameter at breast height
hw= hardwood
hg= 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

* 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 D1725, D1773, and D1735 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		14.00	609.00
Future Potential Habitat		0.00	0.00
Sub-TOTAL		196.72	3,332.44
Non-contiguous habitat		210.72	3,941.44
TOTAL		-24.28	-578.42
		186.44	3,363.02

Appendix Table H-103. 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 **D17-03 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	Hwd BA >14" 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
D1114	3.50	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							3.50	98.00
D1240	5.82	54	26	17.40	4.50	6.42	5.00	13.82	21.50	4.80	2.21	1.99	5.00	26.50	36.00	1	40	17	3	1	0							5.82	154.23
D1241	0.12	57	26	7.30	2.00	13.36	9.50	12.06	19.00	18.20	4.44	3.53	8.00	28.50	38.50	1	38	24	3	1	0							0.12	3.42
D1613	16.01	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							16.01	200.13
D1709	9.96	70	31	30.88	7.00	9.47	7.50	12.89	20.50	0.00	4.12	0.58	3.50	28.00	38.50	2	40	17	3	1	0							9.96	278.88
D1712	28.52	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			28.52	1,155.06				
D1713	22.91	80	26	9.21	3.00	12.16	9.50	10.25	15.00	1.47	0.90	1.02	3.00	24.50	30.50	1	49	8	3	1	0							22.91	561.30
D1714	13.00	80	21	15.27	5.00	26.21	18.50	18.46	27.50	1.04	1.15	1.47	3.50	46.00	54.50	1	28	6	3	1	1			13.00	598.00				
D1715	10.05	64	31	23.65	6.50	10.14	8.00	17.58	27.00	0.00	0.00	2.13	3.00	35.00	44.50	1	50	7	3	1	1			10.05	351.75				
D1716	9.71	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			9.71	315.58				
D1718	52.81	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			52.81	1,821.95				
D1722	1.92	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							1.92	32.64
D1724	11.16	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							11.16	206.46
D1725	12.35	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							12.35	247.00
pp803*	5.87	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	0.00	0	0	0	0	0	0						5.87	0.00
203.71																													

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								
D1114	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					1.04	29.12								
D1240	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					1.86	49.29								
D1613	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					4.08	51.00								
D1613	2009	69743	Southern Training Area Infrastructure-Maneuver Area					11.94	149.25								
D1709	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					2.61	73.08								
D1709	2009	69743	Southern Training Area Infrastructure-Maneuver Area					7.35	205.80								
D1712	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails	3.28	132.84												
D1713	2009	69743	Southern Training Area Infrastructure-Maneuver Area					7.91	193.80								
D1714	2009	69743	Southern Training Area Infrastructure-Maneuver Area	12.81	589.26												
D1715	2009	69743	Southern Training Area Infrastructure-Maneuver Area	10.05	351.75												
D1718	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails	2.15	74.18												
D1718	2009	69743	Southern Training Area Infrastructure-Maneuver Area	34.01	1,173.35												
D1724	2009	69743	Southern Training Area Infrastructure-Maneuver Area					7.07	130.80								
D1725	2009	69743	Southern Training Area Infrastructure-Maneuver Area					8.27	165.40								
pp803*	2009	69743	Southern Training Area Infrastructure-Maneuver Area					0.28	0.00								
TOTAL REMOVALS				62.30	2,321.38	0.00	0.00	52.41	1,047.54								

POST-PROJECT				2009	
Suitable Habitat	Acres	BA			
Potentially Suitable Habitat	0.00	0.00			
Future Potential Habitat	37.21	734.52			
TOTAL	89.00	2,655.48			

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	25 = Mixed Pine	
5 = tall, sparse	26 = Mixed Pine-Longleaf	
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.

Appendix Table H-104. 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 **D17-03, 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	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
D1114	3.50	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					3.50	98.00
D1240	5.82	54	26	17.40	4.50	6.42	5.00	13.82	21.50	4.80	2.21	1.99	5.00	26.50	36.00	1	40	17	3	1	4.28	PS					5.82	154.23
D1241	0.12	57	26	7.30	2.00	13.36	9.50	12.06	19.00	18.20	4.44	3.53	8.00	28.50	38.50	1	38	24	3	1	3.87	PS					0.12	3.42
D1613	16.01	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					16.01	200.13
D1709	9.96	70	31	30.88	7.00	9.47	7.50	12.89	20.50	0.00	4.12	0.58	3.50	28.00	38.50	2	40	17	3	1	4.19	PS					9.96	278.88
D1712	28.52	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					28.52	1,155.06
D1713	22.91	80	26	9.21	3.00	12.16	9.50	10.25	15.00	1.47	0.90	1.02	3.00	24.50	30.50	1	49	8	3	1	4.25	PS					22.91	561.30
D1714	13.00	80	21	15.27	5.00	26.21	18.50	18.46	27.50	1.04	1.15	1.47	3.50	46.00	54.50	1	28	6	3	1	4.65	CS	13.00	598.00				
D1715	10.05	64	31	23.65	6.50	10.14	8.00	17.58	27.00	0.00	0.00	2.13	3.00	35.00	44.50	1	50	7	3	1	4.63	PS					10.05	351.75
D1716	9.71	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					9.71	315.58
D1718	52.81	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					52.81	1,821.95
D1722	1.92	40	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					1.92	32.64
D1724	11.16	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					11.16	206.46
D1725	12.35	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	2.84	NH					12.35	247.00
pp803*	5.87	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					5.87	0.00
203.71																							13.00	598.00	0.00	0.00	190.71	5,426.40

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
D1114	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					1.04	25.12
D1240	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					1.86	49.29
D1613	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					4.08	51.00
D1613	2009	69743	Southern Training Area Infrastructure-Maneuver Area					11.94	149.25
D1709	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					2.61	73.08
D1709	2009	69743	Southern Training Area Infrastructure-Maneuver Area					7.35	205.80
D1712	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					3.28	132.84
D1713	2009	69743	Southern Training Area Infrastructure-Maneuver Area					7.91	193.80
D1714	2009	69743	Southern Training Area Infrastructure-Maneuver Area	12.81	589.26				
D1715	2009	69743	Southern Training Area Infrastructure-Maneuver Area					10.05	351.75
D1718	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					2.15	74.18
D1718	2009	69743	Southern Training Area Infrastructure-Maneuver Area					34.01	1,173.35
D1724	2009	69743	Southern Training Area Infrastructure-Maneuver Area					7.07	130.80
D1725	2009	69743	Southern Training Area Infrastructure-Maneuver Area					8.27	165.40
pp803*	2009	69743	Southern Training Area Infrastructure-Maneuver Area					0.28	0.00
TOTAL REMOVALS				12.81	589.26	0.00	0.00	101.90	2,779.66

POST-PROJECT			2009	
Suitable Habitat	Acres	BA		
Potentially Suitable Habitat	0.19	8.74		
Future Potential Habitat	88.81	2,646.74		
TOTAL	89.00	2,655.48		

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	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		
9 = tall, dense		
* Note: No pine data was collected for pine plantation stands less than 30 years old.		

Appendix Table H-105. 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 **D17-04R 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 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			
D1237	10.88	63	31	32.52	6.50	5.54	4.50	8.74	15.50	2.17	0.67	0.99	2.00	20.00	28.50	1	44	10	3	1	0					10.88	217.60			
D1241	12.28	57	26	7.30	2.00	13.36	9.50	12.06	19.00	18.20	4.44	3.53	8.00	28.50	38.50	1	38	24	3	1	0					12.28	349.98			
D1613	9.35	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					9.35	116.88			
D1702	15.50	62	21	16.46	5.00	8.74	6.50	10.32	16.00	5.57	13.06	4.26	14.50	22.50	42.00	1	24	48	3	1	0					15.50	348.75			
D1704	10.48	62	21	13.24	5.00	18.04	13.00	16.90	24.50	13.62	4.99	2.59	8.00	37.50	50.50	1	20	18	3	1	1	10.48	393.00							
D1705	0.84	62	57**	15.59	4.00	2.61	1.50	3.17	4.50	3.65	6.40	3.69	10.00	6.00	20.00	1	28	64	3	1	0					0.00	0.00			
D1706	29.73	63	21	18.27	4.50	15.77	11.00	19.87	31.50	3.73	1.80	0.43	2.50	42.50	49.50	1	23	6	3	1	1	29.73	1,263.53							
D1707	20.45	63	26	16.20	4.00	22.78	16.00	15.48	29.50	17.44	3.79	0.89	4.00	36.50	44.50	1	22	11	3	1	1	20.45	746.43							
D1709	25.22	70	31	30.88	7.00	9.47	7.50	12.89	20.50	0.00	4.12	0.58	3.50	28.00	38.50	2	40	17	3	1	0					25.22	706.16			
D1711	10.97	62	26	64.28	17.50	22.44	15.50	10.48	17.00	3.64	2.65	1.56	4.00	32.50	54.00	1	31	11	3	1	1	10.97	356.53							
D1712	11.32	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	11.32	458.46							
D1713	5.15	80	26	9.21	3.00	12.16	9.50	10.25	15.00	1.47	0.90	1.02	3.00	24.50	30.50	1	49	8	3	1	0					5.15	126.18			
D1714	4.82	80	21	15.27	5.00	26.21	18.50	18.46	27.50	1.04	1.15	1.47	3.50	46.00	54.50	1	28	6	3	1	1	4.82	221.72							
D1715	3.02	64	31	23.65	6.50	10.14	8.00	17.58	27.00	0.00	0.00	2.13	3.00	35.00	44.50	1	50	7	3	1	1	3.02	105.70							
pp134*	1.98	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					1.98	0.00			
pp609*	21.44	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					21.44	0.00			
193.43																								90.79	3,545.37	0.00	0.00	101.80	1,865.55	
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																
D1237	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails													1.56	31.20													
D1241	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails													3.51	100.04													
D1613	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails													2.33	29.13													
D1613	2009	69743	Southern Training Area Infrastructure-Maneuver Area													7.02	87.75													
D1702	2009	69743	Southern Training Area Infrastructure-Maneuver Area													14.80	333.00													
D1704	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails				0.85				31.88																			
D1704	2009	69743	Southern Training Area Infrastructure-Maneuver Area				8.00				300.00																			
D1706	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails				5.20				221.00																			
D1707	2009	69743	Southern Training Area Infrastructure-Maneuver Area				9.45				344.93																			
D1709	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails										3.07		85.96															
D1709	2009	69743	Southern Training Area Infrastructure-Maneuver Area										22.15		620.20															
D1711	2009	69743	Southern Training Area Infrastructure-Maneuver Area				10.84				352.30																			
D1712	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails				1.45				58.73																			
D1713	2009	69743	Southern Training Area Infrastructure-Maneuver Area											0.01	0.25															
D1714	2009	69743	Southern Training Area Infrastructure-Maneuver Area				4.42				203.32																			
D1715	2009	69743	Southern Training Area Infrastructure-Maneuver Area				3.02				105.70																			
TOTAL REMOVALS							43.23			1,617.86		0.00		0.00		54.45		1,287.53												
POST-PROJECT																														
				2009																										
Suitable Habitat				47.56	1,927.51																									
Potentially Suitable Habitat				0.00	0.00																									
Future Potential Habitat				47.35	578.02																									
TOTAL				94.91	2,505.53																									
*Note: No pine data was collected for pine plantation stands less than 30 years old.																														

Appendix Table H-106. 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 **D17-04R, 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 + Hwts)	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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
D1237	10.88	63	31	32.52	6.50	5.54	4.50	8.74	15.50	2.17	0.67	0.99	2.00	20.00	28.50	1	44	10	3	1	4.01	PS					10.88	217.60																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
D1241	12.28	57	26	7.30	2.00	13.36	9.50	12.06	19.00	18.20	4.44	3.53	8.00	28.50	38.50	1	38	24	3	1	3.87	PS					12.28	349.98																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
D1613	9.35	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					9.35	116.88																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
D1702	15.50	62	21	16.46	5.00	8.74	6.50	10.32	16.00	5.57	13.06	4.26	14.50	22.50	42.00	1	24	48	3	1	3.80	PS					15.50	348.75																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
D1704	10.48	62	21	13.24	5.00	18.04	13.00	16.90	24.50	13.62	4.99	2.59	8.00	37.50	50.50	1	20	18	3	1	4.32	PS					10.48	393.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
D1705	0.84	62	57**	15.59	4.00	2.61	1.50	3.17	4.50	3.65	6.40	3.69	10.00	6.00	20.00	1	28	64	3	1	3.03	PS					0.00	0.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
D1706	29.73	63	21	19.27	4.50	15.77	11.00	19.87	31.50	3.73	1.80	0.43	2.50	42.50	49.50	1	23	6	3	1	4.65	CS	29.73	1,263.53																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
D1707	20.45	63	26	16.20	4.00	22.78	16.00	15.48	20.50	17.44	3.79	0.89	4.00	36.50	44.50	1	22	11	3	1	4.38	PS					20.45	746.43																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
D1709	25.22	70	31	30.88	7.00	9.47	7.50	12.89	20.50	0.00	4.12	0.58	3.50	28.00	38.50	2	40	17	3	1	4.19	PS					25.22	706.16																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
D1711	10.97	62	26	64.28	17.50	22.44	15.50	10.48	17.00	3.64	2.65	1.56	4.00	32.50	54.00	1	31	11	3	1	4.04	PS					10.97	356.53																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
D1712	11.32	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					11.32	458.46																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
D1713	5.15	80	26	9.21	3.00	12.16	9.50	10.25	15.00	1.47	0.90	1.02	3.00	24.50	30.50	1	49	8	3	1	4.25	PS					5.15	126.18																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
D1714	4.82	80	21	15.27	5.00	26.21	18.50	18.46	27.50	1.04	1.15	1.47	3.50	46.00	54.50	1	29	6	3	1	4.65	CS	4.82	221.72																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
D1715	3.02	64	31	23.65	6.50	10.14	8.00	17.58	27.00	0.00	0.00	2.13	3.00	35.00	44.50	1	50	7	3	1	4.63	PS					3.02	105.70																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
pp134*	1.98	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					1.98	0.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
pp609*	21.44	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					21.44	0.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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Appendix Table H-107. 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 **E02-01, 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																				
E0201	73.92	62	21	18.78	5.50	13.14	9.50	13.64	21.50	0.00	1.92	3.75	7.00	31.00	43.50	2	39	17	3	1	1	73.92	2,291.52	17.16	514.80																						
E0202	17.16	61	21	33.52	8.50	11.45	8.00	14.28	22.00	4.02	5.20	0.89	4.50	30.00	43.00	5	32	19	3	1	0																										
E0204	9.76	51	25	26.40	7.00	15.88	11.50	12.86	23.00	10.53	2.72	3.20	7.50	34.50	49.00	2	22	17	3	1	1	9.76	336.72																								
E0206	0.93	51	21	21.75	6.00	21.09	15.50	7.99	11.00	3.95	6.80	2.94	8.50	26.50	41.00	2	32	25	3	1	0					0.93	24.65																				
E0209	4.79	62	21	18.78	5.50	13.14	9.50	13.64	21.50	0.00	1.92	3.75	7.00	31.00	43.50	2	39	17	3	1	1	4.79	148.49																								
E0801	0.92	62	26	7.69	2.50	23.00	16.50	21.46	32.00	7.66	2.79	0.80	3.50	48.50	54.50	1	37	7	3	2	1	0.92	44.62																								
pp340*	1.37	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					1.37	0.00																				
pp341*	20.04	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					20.04	0.00																				
pp466*	28.05	16	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					28.05	0.00																				
pp467*	8.44	16	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					8.44	0.00																				
pp635	0.41	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					0.41	0.00																				
T0525	40.89	16	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																				
T0526	14.00	54	21	16.76	4.50	13.76	10.00	10.66	16.50	3.26	0.00	0.00	0.00	26.50	31.00	1	32	0	3	1	0					14.00	371.00																				
T0527	7.02	17	NM	304.15	62.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	62.00	1	42	0	3	1	0					0.00	0.00																				
T0714	1.91	42	31	40.22	11.67	16.70	12.22	13.79	20.00	4.17	1.61	1.20	2.78	32.22	46.67	5	32	8	0	0	0			1.91	61.54																						
229.61																																										89.39	2,821.35	19.07	576.34	73.24	395.65

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
E0201	2010	65557	Repair Existing Training Area Roads, Phase 1	0.75	23.25				
E0206	2010	65557	Repair Existing Training Area Roads, Phase 1					0.37	9.81
E0209	2010	65557	Repair Existing Training Area Roads, Phase 1	0.52	16.12				
pp340*	2010	65557	Repair Existing Training Area Roads, Phase 1			0.69	22.23	0.60	0.00
T0714	2010	65557	Repair Existing Training Area Roads, Phase 1			0.69	22.23	0.97	9.81
TOTAL REMOVALS				1.27	39.37	0.69	22.23	0.97	9.81

POST-PROJECT		
	2010	
	Acres	BA
Suitable Habitat	88.12	2,781.98
Potentially Suitable Habitat	18.38	554.11
Future Potential Habitat	72.27	385.84
TOTAL	178.77	3,721.93

Key:	Type Burn:	Stand Score
BA= basal area		
dbh= diameter at breast height	G= no data available	O= Unsuitable

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
31 = Loblolly Pine
NM = Not Managed

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

Appendix Table H-108. 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 **E02-01, 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				
E0201	73.92	62	21	18.78	5.50	13.14	9.50	13.64	21.50	0.00	1.92	3.75	7.00	31.00	43.50	2	39	17	3	1	4.37	PS					73.92	2,291.52				
E0202	17.16	61	21	33.52	8.50	11.45	8.00	14.28	22.00	4.02	5.20	0.89	4.50	30.00	43.00	5	32	19	3	1	4.10	PS					17.16	514.80				
E0204	9.76	51	25	26.40	7.00	15.88	11.50	12.86	23.00	10.53	2.72	3.20	7.50	34.50	49.00	2	22	17	3	1	4.00	PS					9.76	336.72				
E0206	0.93	51	21	21.75	6.00	21.09	15.50	7.99	11.00	3.95	6.80	2.94	8.50	26.50	41.00	2	32	25	3	1	3.52	PS					0.93	24.65				
E0209	4.79	62	21	18.78	5.50	13.14	9.50	13.64	21.50	0.00	1.92	3.75	7.00	31.00	43.50	2	39	17	3	1	4.37	PS					4.79	148.49				
E0801	0.92	62	26	7.69	2.50	23.00	16.50	21.46	32.00	7.66	2.79	0.80	3.50	48.50	54.50	1	37	7	3	2	4.90	CS	0.92	44.62								
pp340*	1.37	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					1.37	0.00				
pp341*	20.04	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					20.04	0.00				
pp466*	28.05	16	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					28.05	0.00				
pp467*	8.44	16	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					8.44	0.00				
pp635	0.41	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					0.41	0.00				
T0525	40.89	16	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				
T0526	14.00	54	21	16.76	4.50	13.76	10.00	10.66	16.50	3.26	0.00	0.00	0.00	26.50	31.00	1	32	0	3	1	4.01	PS					14.00	371.00				
T0527	7.02	17	NM	304.15	62.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	62.00	1	42	0	3	1	2.77	NH					0.00	0.00				
T0714	1.91	42	31	40.22	11.67	16.70	12.22	13.79	20.00	4.17	1.61	1.20	2.78	32.22	46.67	5	32	8	0	0	3.76	PS					1.91	61.54				
229.61																											0.92	44.62	0.00	0.00	180.78	3,748.72

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
E0201	2010	65557	Repair Existing Training Area Roads, Phase 1			0.75		23.25	
E0206	2010	65557	Repair Existing Training Area Roads, Phase 1			0.37		9.81	
E0209	2010	65557	Repair Existing Training Area Roads, Phase 1			0.52		16.12	
pp340*	2010	65557	Repair Existing Training Area Roads, Phase 1			0.60		0.00	
T0714	2010	65557	Repair Existing Training Area Roads, Phase 1			0.69		22.23	
TOTAL REMOVALS				0.00	0.00	0.00	0.00	2.93	71.41

POST-PROJECT			2010	
Suitable Habitat	Acres	BA		
Potentially Suitable Habitat	0.92	44.62		
Future Potential Habitat	0.00	0.00		
TOTAL	177.85	3,677.31		
	178.77	3,721.93		

KEY:
BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover
Forest Type:
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:
21 = Longleaf Pine
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-109. 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 **E04-01, 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	0.29	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				0.29	7.54																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
D1102	0.05	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				0.05	1.30																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
D1109	3.86	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	3.86	148.61																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
D1109	0.34	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	0.34	13.09																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
D1217	2.94	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	2.94	99.96																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
D1225	0.32	46	10U	3.54	1.00	24.76	18.50	14.50	20.00	9.09	3.97	0.33	3.00	38.50	42.50	1	33	10	3	1	1	0.32	12.32																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
D1242	14.55	46	31	5.85	2.00	18.42	13.50	11.02	17.00	11.57	4.52	3.81	8.00	30.50	40.50	1	22	22	3	1	1	14.55	443.78																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
D1242	11.55	46	31U	5.85	2.00	18.42	13.50	11.02	17.00	11.57	4.52	3.81	8.00	30.50	40.50	1	22	22	3	1	1	11.55	352.28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
D1243	4.78	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			4.78	121.89																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
D1243	6.51	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			6.51	166.01																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
E0303	19.30	19	31	25.56	7.50	30.17	21.50	18.91	26.50	11.32	3.52	3.07	7.50	48.00	63.00	1	29	12	3	1	0			19.30	926.40																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
E0304	11.90	19	31P	305.39	73.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	73.00	1	30	0	3	1	0			11.90	0.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
E0401	6.06	76	21	23.02	5.00	4.72	3.33	45.69	91.67	0.00	0.00	1.58	1.67	95.00	101.67	1	20	3	3	1	1	6.06	575.70																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
E0402	39.79	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	39.79	1,432.44																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
E0407	1.33	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	1.33	40.64																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
pp1027*	0.17	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				0.17	0.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
pp855*	8.12	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				8.12	0.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
T0407	1.24	70	21	10.40	3.00	7.19	5.50	16.36	24.00	17.69	9.18	1.51	9.00	29.50	41.50	1	28	31	3	1	0				1.24	36.58																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
T0416	13.17	55	25	10.77	3.00	22.08	15.00	14.46	21.50	8.25	4.54	3.25	7.50	36.50	47.00	1	28	18	3	1	1	13.17	480.71																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
T0507	15.64	55	25	52.56	11.50	22.15	17.00	18.40	25.50	12.90	5.00	2.89	9.00	42.50	63.00	1	36	16	3	1	1	15.64	664.70																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
T0520	5.45	68	21	7.25	2.00	9.30	7.50	25.10	37.50	3.49	0.56	0.53	1.50	45.00	48.50	1	41	3	3	1	1	5.45	245.25																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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Appendix Table H-110. 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 **E04-01, 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
D1102	0.29	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					0.29	7.54
D1102	0.05	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					0.05	1.30
D1109	3.86	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	3.86	148.61				
D1109	0.34	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	0.34	13.09				
D1217	2.94	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					2.94	99.96
D1225	0.32	46	10U	3.54	1.00	24.76	18.50	14.50	20.00	9.09	3.97	0.33	3.00	38.50	42.50	1	33	10	3	1	4.27	PS					0.32	12.32
D1242	14.55	46	31	5.85	2.00	18.42	13.50	11.02	17.00	11.57	4.52	3.81	8.00	30.50	40.50	1	22	22	3	1	3.70	PS					14.55	443.78
D1242	11.55	46	31U	5.85	2.00	18.42	13.50	11.02	17.00	11.57	4.52	3.81	8.00	30.50	40.50	1	22	22	3	1	3.70	PS					11.55	352.28
D1243	4.78	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					4.78	121.89
E0303	19.30	19	31	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					6.51	166.01
E0303	19.30	19	31	25.56	7.50	30.17	21.50	18.91	26.50	11.32	3.52	3.07	7.50	48.00	63.00	1	29	12	3	1	4.01	NH					19.30	926.40
E0304	11.90	19	31P	305.39	73.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	73.00	1	30	0	3	1	2.67	NH					11.90	0.00	
E0401	6.06	76	21	23.02	5.00	4.72	3.33	45.69	91.67	0.00	0.00	1.58	1.67	95.00	101.67	1	20	3	3	1	4.63	PS			6.06	575.70		
E0402	39.79	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					39.79	1,432.44
pp1027	0.17	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					0.17	0.00
pp855*	8.12	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	1.91	NH					8.12	0.00
T0407	1.24	70	21	10.40	3.00	7.19	5.50	16.36	24.00	17.69	9.18	1.51	9.00	29.50	41.50	1	28	31	3	1	4.14	PS					1.24	36.58
T0416	13.17	55	25	10.77	3.00	22.08	15.00	14.46	21.50	8.25	4.54	3.25	7.50	36.50	47.00	1	28	18	3	1	4.18	PS					13.17	480.71
T0507	15.64	55	25	52.56	11.50	22.15	17.00	18.40	25.50	12.90	5.00	2.89	9.00	42.50	63.00	1	36	16	3	1	4.41	PS					15.64	664.70
T0520	5.45	68	21	7.25	2.00	9.30	7.50	25.10	37.50	3.49	0.56	0.53	1.50	45.00	48.50	1	41	3	3	1	4.85	CS	5.45	245.25				
	167.36																						9.65	406.95	6.06	575.70	151.65	4,786.55

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-Upgrade Tank Trails					0.33	8.58						
D1102	2009	69743	Southern Training Area Infrastructure-Maneuver Area					0.01	0.26						
D1109	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails			1.85	71.23								
D1109	2009	69743	Southern Training Area Infrastructure-Maneuver Area			2.35	90.48								
D1242	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					3.54	107.87						
D1243	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					0.72	18.36						
E0303	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					0.33	15.84						
E0303	2009	69743	Southern Training Area Infrastructure-Maneuver Area					6.06	290.88						
E0304	2009	69743	Southern Training Area Infrastructure-Maneuver Area					0.98	0.00						
E0401	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails				3.09	293.55							
E0402	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					3.09	111.24						
E0402	2009	69743	Southern Training Area Infrastructure-Maneuver Area					33.23	1,196.28						
pp1027	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					0.12	0.00						
pp855*	2009	69743	Southern Training Area Infrastructure-Maneuver Area					1.44	0.00						
T0407	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					0.54	15.93						
T0416	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					1.19	43.44						
T0507	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					0.93	39.53						
TOTAL REMOVALS				4.20	161.70	3.09	293.55	52.51	1,919.54						

POST-PROJECT			2009	
	Acres	BA		
Suitable Habitat	5.45	245.25		
Potentially Suitable Habitat	2.97	282.15		
Future Potential Habitat	99.14	2,867.01		
TOTAL	107.56	3,394.41		

Key:

Type Burn: Suitability

0=no data available CS= currently suitable

1=non-growing season PS= potentially suitable

2=growing season NH= non-habitat

Hardwood Midstory: Forest Type:

1 = low, sparse 10U = Yellow Pine-Upland Hardwood Underplanted

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 25U = Mixed Pine Underplanted

7 = tall, moderate 26 = Mixed Pine-Longleaf

8 = medium, dense 31 = Loblolly Pine

9 = tall, dense 31P = Loblolly Pine Plantation

31U = Loblolly Pine Underplanted

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

Appendix Table H-113. 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 **HCC-08R, 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 + Hwys)	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
EE0111	0.59	108	31	31.80	8.50	17.52	12.50	11.69	21.50	34.09	5.01	1.85	6.50	34.00	49.00	2	7	19	3	1	1	0.59		20.06			
EE0116	15.58	86	31	32.99	8.50	13.05	9.00	14.11	26.50	0.00	0.00	0.10	0.50	35.50	44.50	2	23	0	3	1	1	15.58	553.09				
EE0201	15.47	85	31	3.98	1.00	5.95	4.00	11.54	26.50	5.18	1.20	0.45	1.50	30.50	33.00	1	36	9	3	1	1	15.47	471.84				
EE0201	0.12	85	31U	3.98	1.00	5.95	4.00	11.54	26.50	5.18	1.20	0.45	1.50	30.50	33.00	1	36	9	3	1	1	0.12	3.66				
EE0202	14.53	64	31	94.21	22.22	14.48	10.56	14.25	21.67	3.49	0.00	0.17	0.56	32.22	55.00	6	26	1	3	1	0			14.53	468.16		
EE0203	6.22	85	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	3	1	0					6.22	0.00
EE0206	0.28	104	31	0.00	0.00	6.08	4.71	12.61	27.06	1.49	1.38	3.02	7.06	31.76	38.82	1	54	19	3	1	1	0.28	8.89				
EE0206	11.99	104	31U	0.00	0.00	6.08	4.71	12.61	27.06	1.49	1.38	3.02	7.06	31.76	38.82	1	54	19	3	1	1	11.99	380.80				
EE0207	33.29	57	31	26.85	7.50	12.26	9.00	11.66	22.00	25.81	8.50	4.56	13.50	31.00	52.00	7	9	35	3	1	0			33.29	1,031.99		
EE0208	2.58	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
EE0212	68.29	106	31	105.86	24.74	20.39	14.21	8.99	14.74	6.39	1.00	0.00	0.53	28.95	54.21	1	29	3	3	1	0					68.29	1,977.00
EE0212	0.03	106	31U	105.86	24.74	20.39	14.21	8.99	14.74	6.39	1.00	0.00	0.53	28.95	54.21	1	29	3	3	1	0					0.03	0.87
EE0213	2.22	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			2.22	73.26		
EE0215	17.51	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					17.51	420.24
EE0221	2.74	81	13	19.74	5.50	7.11	5.50	19.91	37.50	16.61	6.04	4.72	12.00	43.00	60.50	1	17	28	3	1	1	2.74	117.82				
pd120*	0.04	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					0.04	0.00
191.48																						46.77	1,556.16	50.04	1,573.41	92.09	2,398.11

REMOVALS						
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Potentially Suitable Acreage Removed	Future Potential Acreage Removed
EE0221	2009	67457	Infrastructure Support - Utilities	0.61	26.23	0.00
TOTAL REMOVALS				0.61	26.23	0.00

POST-PROJECT		2009	
	Acres	BA	
Suitable Foraging Habitat	46.16	1,529.93	
Potentially Suitable Habitat	50.04	1,573.41	
Future Potential Habitat	92.09	2,398.11	
TOTAL	188.29	5,501.45	

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

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:
13 = Loblolly Pine-Hardwood
21P = Longleaf Pine Plantation
31 = Loblolly Pine
31U = 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-114. 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 **HCC-08R, 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
EE0111	0.59	108	31	31.80	8.50	17.52	12.50	11.69	21.50	34.09	5.01	1.85	6.50	34.00	49.00	2	7	19	3	1	3.94	PS					0.59	20.06
EE0116	15.58	86	31	32.99	8.50	13.05	9.00	14.11	26.50	0.00	0.00	0.10	0.50	35.50	44.50	2	23	0	3	1	4.42	PS					15.58	553.09
EE0201	15.47	85	31	3.98	1.00	5.95	4.00	11.54	26.50	5.18	1.20	0.45	1.50	30.50	33.00	1	36	9	3	1	4.34	PS					15.47	471.84
EE0201	0.12	85	31U	3.98	1.00	5.95	4.00	11.54	26.50	5.18	1.20	0.45	1.50	30.50	33.00	1	36	9	3	1	4.34	PS					0.12	3.66
EE0202	14.53	64	31	94.21	22.22	14.48	10.56	14.25	21.67	3.49	0.00	0.17	0.56	32.22	55.00	6	26	1	3	1	3.95	PS					14.53	468.16
EE0203	6.22	85	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	3	1	2.62	PS					6.22	0.00
EE0204	0.28	104	31	0.00	0.00	6.08	4.71	12.61	27.06	1.49	1.38	3.02	7.06	31.76	38.82	1	54	19	3	1	4.32	PS					0.28	8.99
EE0206	11.99	104	31U	0.00	0.00	6.08	4.71	12.61	27.06	1.49	1.38	3.02	7.06	31.76	38.82	1	54	19	3	1	4.32	PS					11.99	380.80
EE0207	33.29	57	31	26.85	7.50	12.26	9.00	11.66	22.00	25.81	8.50	4.56	13.50	31.00	52.00	7	9	35	3	1	3.28	PS					33.29	1,031.99
EE0208	2.58	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
EE0212	68.29	106	31	105.86	24.74	20.39	14.21	8.99	14.74	6.39	1.00	0.00	0.53	28.95	54.21	1	29	3	3	1	3.68	PS					68.29	1,977.00
EE0212	0.03	106	31U	105.86	24.74	20.39	14.21	8.99	14.74	6.39	1.00	0.00	0.53	28.95	54.21	1	29	3	3	1	3.68	PS					0.03	0.87
EE0213	2.22	73	31	9.37	3.50	9.06	6.50	13.99	26.50	7.86	7.79	2.80	10.00	33.00	46.50	8	25	32	3	1	3.74	PS					2.22	73.26
EE0215	17.51	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	3.34	PS					17.51	420.24
EE0221	2.74	81	13	19.74	5.50	7.11	5.50	19.91	37.50	16.61	6.04	4.72	12.00	43.00	60.50	1	17	28	3	1	4.36	CS	2.74	117.82				
pp120*	0.04	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					0.04	0.00
191.48																							2.74	117.82	0.00	0.00	186.16	5,409.86

REMOVALS							
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed
EE0221	2009	67457	Infrastructure Support - Utilities	0.61	26.23		
2009 SUB-TOTAL				0.61	26.23	0.00	0.00

POST-PROJECT			2009	
	Acres	BA		
Suitable Foraging Habitat	2.13	91.59		
Potentially Suitable Habitat	0.00	0.00		
Future Potential Habitat	186.16	5,409.86		
TOTAL	188.29	5,501.45		

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	13 = Loblolly Pine-Hardwood	
2 = low, moderate	21P = Longleaf Pine Plantation	
3 = low, dense	31 = Loblolly Pine	
4 = medium, sparse	31U = Loblolly Pine Underplanted	
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.		
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-115. 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 **HCC-10R, 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
A0711	0.70	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	0.70	23.80				
A0725	0.92	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	0.92	37.72				
A0804	2.16	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	2.16	75.60				
EE0105	0.29	73	21	17.61	4.50	14.72	11.00	8.62	11.00	23.98	3.38	0.33	3.00	22.00	29.50	1	14	14	3	1	0					0.00	0.00
EE0107	3.67	73	21	9.00	2.50	8.87	6.50	15.65	23.50	0.00	1.31	0.29	2.00	30.00	34.50	8	30	6	3	1	0			3.67	110.10		
EE0110	36.73	60	26	12.13	4.00	3.56	2.50	16.62	32.00	2.67	0.00	1.09	1.50	34.50	40.00	1	9	5	3	1	1	36.73	1,267.19				
EE0111	50.91	108	31	31.80	8.50	17.52	12.50	11.69	21.50	34.09	5.01	1.85	6.50	34.00	49.00	2	7	19	3	1	1	50.91	1,730.94				
EE0112	11.27	98	26	0.00	0.00	6.08	5.00	17.17	27.00	10.02	1.99	0.99	2.00	32.00	34.00	1	18	11	3	1	1	11.27	360.64				
EE0113	10.52	86	21	27.76	5.50	5.10	3.50	8.82	15.50	0.00	0.00	0.11	0.50	19.00	25.00	9	27	1	3	1	0				10.52	199.88	
EE0116	0.99	86	31	32.99	8.50	13.05	9.00	14.11	26.50	0.00	0.00	0.10	0.50	35.50	44.50	2	23	0	3	1	1	0.99	35.15				
EE0117	8.07	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			8.07	347.01		
EE0121	0.10	98	21	2.85	1.00	7.63	5.50	14.19	22.50	1.06	0.00	2.04	3.00	28.00	32.00	6	30	9	3	1	0				0.10	2.80	
EE0122	0.06	73	21	17.61	4.50	14.72	11.00	8.62	11.00	23.98	3.38	0.33	3.00	22.00	29.50	1	14	14	3	1	0				0.06	1.32	
pp122*	0.39	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					0.39	0.00
S0110	0.62	68	NM	35.42	7.78	3.49	3.33	3.12	7.78	0.00	0.00	1.74	2.22	11.11	21.11	2	47	21	3	1	0					0.00	0.00
S0120	18.55	68	31	4.04	1.50	22.82	16.50	16.06	25.00	7.15	1.19	0.45	2.00	41.50	45.00	2	16	4	3	1	1	18.55	769.83				
S0125	0.05	86	31	22.78	6.19	16.22	11.90	13.73	26.67	2.20	1.26	0.00	0.95	38.57	45.71	3	20	4	3	1	1	0.05	1.93				
	146.00																					122.28	4,302.80	11.74	457.11	11.07	204.00

REMOVALS											SUITABLE ACRES						POTENTIALLY SUITABLE ACRES						FUTURE POTENTIAL ACRES							
Stand	Fiscal Year	Project Number	Project Name	SUITABLE ACRES		POTENTIALLY SUITABLE ACRES		FUTURE POTENTIAL ACRES		FUTURE POTENTIAL BA		SUITABLE BA REMOVED		POTENTIALLY SUITABLE BA REMOVED		FUTURE POTENTIAL BA REMOVED		SUITABLE ACRES		POTENTIALLY SUITABLE ACRES		FUTURE POTENTIAL ACRES		SUITABLE BA		POTENTIALLY SUITABLE BA		FUTURE POTENTIAL BA		
A0804	2009	69358	Range Access Road, Good Hope MTA		0.28								9.80																	
EE0110	2009	69358	Range Access Road, Good Hope MTA		4.90								169.05																	
EE0110	2009	67457	Infrastructure Support - Utilities		0.53								18.29																	
EE0111	2009	69358	Range Access Road, Good Hope MTA		4.08								138.72																	
EE0112	2009	69358	Range Access Road, Good Hope MTA		0.64								20.48																	
EE0112	2009	67457	Infrastructure Support - Utilities		1.92								61.44																	
EE0117	2009	69358	Range Access Road, Good Hope MTA						0.39					16.77																
EE0117	2009	67457	Infrastructure Support - Utilities						0.19					8.17																
EE0121	2009	69358	Range Access Road, Good Hope MTA														0.03										0.84			
pp122*	2009	67457	Infrastructure Support - Utilities														0.14										0.00			
S0120	2009	69358	Range Access Road, Good Hope MTA		3.32							137.78																		
			2009 SUB-TOTAL		15.67				0.58				555.56		24.94		0.17										0.84			
A0711	2010	65557	Repair Existing Training Area Roads, Phase		0.18							6.12																		
A0725	2010	65557	Repair Existing Training Area Roads, Phase 1		0.16							6.56																		
A0804	2010	65557	Repair Existing Training Area Roads, Phase 1		1.13							39.55																		
EE0121	2010	65557	Repair Existing Training Area Roads, Phase 1														0.07										1.96			
EE0122	2010	65557	Repair Existing Training Area Roads, Phase 1														0.05										1.10			
			2010 SUB-TOTAL		1.47				0.00			52.23		0.00		0.12											3.06			
EE0107	2012	65246	Recreation Center, Harmony Church						1.12					33.60													0.00			
			2012 SUB-TOTAL		0.00				1.12				33.60				0.00										0.00			
			TOTAL REMOVALS		17.14				1.70			607.79		58.54		0.29											3.90			

POST-PROJECT											2009						2010 Sub-total						2010 Sub-total						2012					
Stand	Acres	BA	Acres	BA	Acres	BA	Acres	BA	Acres	BA	Acres	BA	Acres	BA	Acres	BA	Acres	BA	Acres	BA	Acres	BA	Acres	BA	Acres	BA	Acres	BA	Acres	BA	Acres	BA		
Suitable Foraging Habitat	106.61	3,747.24	105.14	3,695.01	2.03	75.09	103.11	3,619.92	103.11	3,619.92	103.11	3,619.92	103.11	3,619.92	103.11	3,619.92	103.11	3,619.92	103.11	3,619.92	103.11	3,619.92	103.11	3,619.92	103.11	3,619.92	103.11	3,619.92	103.11	3,619.92	103.11	3,619.92		
Potentially Suitable Habitat	11.16	432.17	11.16	432.17	0.00	0.00	11.16	432.17	11.16	432.17	11.16	432.17	11.16	432.17	11.16	432.17	11.16	432.17	11.16	432.17	11.16	432.17	11.16	432.17	11.16	432.17	11.16	432.17	11.16	432.17	11.16	432.17		
Future Potential Habitat	10.90	283.16	10.78	280.10	0.00	0.00	10.78	280.10	10.78	280.10	10.78	280.10	10.78	280.10	10.78	280.10	10.78	280.10	10.78	280.10	10.78	280.10	10.78	280.10	10.78	280.10	10.78	280.10	10.78	280.10	10.78	280.10		
TOTAL	128.67	4,382.57	127.08	4,327.28	2.03	75.09	125.05	4,252.19	125.05	4,252.19	125.05	4,252.19	125.05	4,252.19	125.05	4,252.19	125.05	4,252.19	125.05	4,252.19	125.05	4,252.19	125.05	4,252.19	125.05	4,252.19	125.05	4,252.19	125.05	4,252.19	125.05	4,252.19		

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

Stands A0711, A0725 and A0804 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.

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

Stand Score
0=Unsuitable
1=Suitable

Forest Type:
21= Longleaf Pine
21P= Longleaf Pine Plantation
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.

Stands A0711, A0725 and A0804 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-116. 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 **HCC-10R, 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	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A0711	0.70	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	3.56	PS					0.70	23.80
A0725	0.92	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	4.00	PS					0.92	37.72
A0804	2.16	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	4.06	PS					2.16	75.60
EE0105	0.29	73	21	17.61	4.50	14.72	11.00	8.62	11.00	23.98	3.38	0.33	3.00	22.00	29.50	1	14	14	3	1	3.34	PS					0.00	0.00
EE0107	3.67	73	21	9.00	2.50	8.87	6.50	15.65	23.50	0.00	1.31	0.29	2.00	30.00	34.50	8	30	6	3	1	3.74	PS					3.67	110.10
EE0110	36.73	60	26	12.13	4.00	3.56	2.50	16.62	32.00	2.67	0.00	1.09	1.50	34.50	40.00	1	9	5	3	1	3.85	PS					36.73	1,267.19
EE0111	50.91	108	31	31.80	8.50	17.52	12.50	11.69	21.50	34.09	5.01	1.85	6.50	34.00	49.00	2	7	19	3	1	3.75	PS					50.91	1,730.94
EE0112	11.27	98	26	0.00	0.00	6.08	5.00	17.17	27.00	10.02	1.99	0.99	2.00	32.00	34.00	1	18	11	3	1	3.85	PS					11.27	360.64
EE0113	10.52	86	21	27.76	5.50	5.10	3.50	8.82	15.50	0.00	0.00	0.11	0.50	19.00	25.00	9	27	1	3	1	3.05	PS					10.52	199.88
EE0116	0.99	86	31	32.99	8.50	13.05	9.00	14.11	26.50	0.00	0.00	0.10	0.50	35.50	44.50	2	23	0	3	1	4.08	PS					0.99	35.15
EE0117	8.07	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	3.89	PS			8.07	347.01		
EE0121	0.10	98	21	2.85	1.00	7.63	5.50	14.19	22.50	1.06	0.00	2.04	3.00	28.00	32.00	6	30	9	3	1	3.23	PS					0.10	2.80
EE0122	0.06	73	21	17.61	4.50	14.72	11.00	8.62	11.00	23.98	3.38	0.33	3.00	22.00	29.50	1	14	14	3	1	3.60	PS					0.06	1.32
pp122*	0.39	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	1.60	NH					0.39	0.00
S0110	0.62	68	NM	35.42	7.78	3.49	3.33	3.12	7.78	0.00	0.00	1.74	2.22	11.11	21.11	2	47	21	3	1	3.27	PS					0.00	0.00
S0120	18.55	68	31	4.04	1.50	22.82	16.50	16.06	25.00	7.15	1.19	0.45	2.00	41.50	45.00	2	16	4	3	1	4.08	PS					18.55	769.83
S0125	0.05	86	31	22.78	6.19	16.22	11.90	13.73	26.67	2.20	1.26	0.00	0.95	38.57	45.71	3	20	4	3	1	4.01	PS					0.05	1.93
146.00																												

REMOVALS										SUITABLE ACRES						FUTURE POTENTIAL ACRES					
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					0.28	9.80												
EE0110	2009	69358	Range Access Road, Good Hope MTA					4.90	169.05												
EE0110	2009	67457	Infrastructure Support - Utilities					0.53	18.29												
EE0111	2009	69358	Range Access Road, Good Hope MTA					4.08	138.72												
EE0112	2009	69358	Range Access Road, Good Hope MTA					0.64	20.48												
EE0112	2009	67457	Infrastructure Support - Utilities					1.92	61.44												
EE0117	2009	69358	Range Access Road, Good Hope MTA				0.39	16.77													
EE0117	2009	67457	Infrastructure Support - Utilities				0.19	8.17													
EE0121	2009	69358	Range Access Road, Good Hope MTA					0.03	0.84												
pp122*	2009	67457	Infrastructure Support - Utilities					0.14	0.00												
S0120	2009	69358	Range Access Road, Good Hope MTA					3.32	137.78												
2009 SUB-TOTAL				0.00	0.00	0.58	24.94	15.84	556.40												
A0711	2010	65557	Repair Existing Training Area Roads, Phase 1					0.18	6.12												
A0725	2010	65557	Repair Existing Training Area Roads, Phase 1					0.16	6.56												
A0804	2010	65557	Repair Existing Training Area Roads, Phase 1					1.13	39.55												
EE0121	2010	65557	Repair Existing Training Area Roads, Phase 1					0.07	1.96												
EE0122	2010	65557	Repair Existing Training Area Roads, Phase 1					0.05	1.10												
2010 SUB-TOTAL				0.00	0.00	0.00	0.00	1.59	55.29												
EE0107	2012	65246	Recreation Center, Harmony Church					1.12	33.60												
2012 SUB-TOTAL				0.00	0.00	0.00	0.00	1.12	33.60												
TOTAL REMOVALS				0.00	0.00	0.58	24.94	18.55	645.29												

POST-PROJECT										2009						2010 Sub-total						2012					
Stand	Acres	BA	Acres	BA	Acres	BA	Acres	BA	Acres	BA	Acres	BA	Acres	BA	Acres	BA	Acres	BA	Acres	BA	Acres	BA	Acres	BA	Acres	BA	
Suitable Foraging Habitat	0.00	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		
Potentially Suitable Habitat	7.49	322.07	7.49	322.07	0.00	0.00	7.49	322.07	7.49	322.07	7.49	322.07	7.49	322.07	7.49	322.07	7.49	322.07	7.49	322.07	7.49	322.07	7.49	322.07	7.49	322.07	
Future Potential Habitat	121.18	4,060.50	119.59	4,005.21	2.03	75.09	117.56	3,930.12	116.44	3,896.52	123.93	4,218.59	123.93	4,218.59	123.93	4,218.59	123.93	4,218.59	123.93	4,218.59	123.93	4,218.59	123.93	4,218.59	123.93	4,218.59	
TOTAL	128.67	4,382.57	127.08	4,327.28	2.03	75.09	125.05	4,252.19	123.93	4,218.59	123.93	4,218.59	123.93	4,218.59	123.93	4,218.59	123.93	4,218.59	123.93	4,218.59	123.93	4,218.59	123.93	4,218.59	123.93	4,218.59	

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
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.

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 A0711, A0725 and A0804 will be non-contiguous as a result of project impacts and cannot be counted towards the available foraging habitat for the partition.

Key:
 BA= basal area
 dbh= diameter at breast height
 hwd= hardwood
 rgc= 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
 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.
 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 A0711, A0725 and A0804 will be non-contiguous as a result of project impacts and cannot be counted towards the available foraging habitat for the partition.

Appendix Table H-117. 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 **HCC-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)	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 Acreage	Future Potential BA																					
A0704	12.37	60	31	9.05	3.50	12.21	8.00	2.92	3.50	1.08	1.51	0.66	2.00	11.50	17.00	8	20	13	3	1	0					12.37	142.26																					
A0708	7.30	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					7.30	211.70																					
A0709	35.02	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					35.02	995.27																					
BB0336	10.70	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					10.70	123.05																					
BB0337	1.05	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			1.05	56.00																							
BB0339	9.57	56	26	8.00	2.50	27.67	19.00	8.43	12.50	13.98	7.84	4.14	11.50	31.50	45.50	1	22	25	3	2	1	9.57	301.46																									
BB0343	4.27	56	26	10.87	5.00	8.20	7.50	9.63	17.50	14.11	13.61	6.98	20.00	25.00	50.00	5	8	54	3	2	0					4.27	106.75																					
BB0425	0.33	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					0.33	7.26																					
BB0439	1.74	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	1.74	68.73																									
BB0442	0.42	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	0.42	15.12																									
HCC10	107.28	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					107.28	2,950.20																					
HCC13	5.99	69	21	5.87	1.50	5.69	4.50	9.34	16.00	0.00	0.52	0.64	2.00	20.50	24.00	8	15	7	3	1	0					5.99	122.80																					
HCC13	1.03	69	21	5.87	1.50	5.69	4.50	9.34	16.00	0.00	0.52	0.64	2.00	20.50	24.00	8	15	7	3	1	0					0.00	0.00																					
pp247*	1.12	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					1.12	0.00																					
pp490*	0.23	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					0.23	0.00																					
pp523*	3.82	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					3.82	0.00																					
pp527*	0.91	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					0.91	0.00																					
pp528*	4.89	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					4.89	0.00																					
pp792*	1.13	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					1.13	0.00																					
pp878*	0.70	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					0.70	0.00																					
209.87																																																

Appendix Table H-118. 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 **HCC-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		
A0704	12.37	60	31	9.05	3.50	12.21	8.00	2.92	3.50	1.08	1.51	0.66	2.00	11.50	17.00	8	20	13	3	1	2.87	PS					12.37	142.26		
A0708	7.30	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					7.30	211.70		
A0709	35.02	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					35.02	995.27		
BB0336	10.70	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					10.70	123.05		
BB0337	1.05	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					1.05	56.00		
BB0339	9.57	56	26	8.00	2.50	27.67	19.00	8.43	12.50	13.98	7.84	4.14	11.50	31.50	45.50	1	22	25	3	2	3.63	PS					9.57	301.46		
BB0343	4.27	56	26	10.87	5.00	8.20	7.50	9.63	17.50	14.11	13.61	6.98	20.00	25.00	50.00	5	8	54	3	2	3.38	PS					4.27	106.75		
BB0425	0.33	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					0.33	7.26		
BB0439	1.74	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		1.74	68.73					
BB0442	0.42	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				0.42	15.12			
HCC10	107.28	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					107.28	2,950.20		
HCC13	5.99	69	21	5.87	1.50	5.69	4.50	9.34	16.00	0.00	0.52	0.64	2.00	20.50	24.00	8	15	7	3	1	3.61	PS					5.99	122.80		
HCC13	1.03	69	21	5.87	1.50	5.69	4.50	9.34	16.00	0.00	0.52	0.64	2.00	20.50	24.00	8	15	7	3	1	3.61	PS					0.00	0.00		
pp247*	1.12	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					1.12	0.00		
pp490*	0.23	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					0.23	0.00		
pp523*	3.82	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					3.82	0.00		
pp527*	0.91	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					0.91	0.00		
pp528*	4.89	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					4.89	0.00		
pp792*	1.13	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	1.91	NH					1.13	0.00		
pp878*	0.70	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	1.91	NH					0.70	0.00		
209.87																									0.00	0.00	1.74	68.73	207.10	5,031.87

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						
A0708	2010	65557	Repair Existing Training Area Roads, Phase 1					2.43	70.47						
A0709	2010	65557	Repair Existing Training Area Roads, Phase 1					5.07	144.09						
BB0336	2010	65557	Repair Existing Training Area Roads, Phase 1					1.04	11.96						
BB0425	2010	65557	Repair Existing Training Area Roads, Phase 1					0.33	7.26						
BB0439	2010	65557	Repair Existing Training Area Roads, Phase 1			0.93	36.74								
HCC10	2010	65557	Repair Existing Training Area Roads, Phase 1					3.64	100.10						
pp523*	2010	65557	Repair Existing Training Area Roads, Phase 1					0.46	0.00						
pp528*	2010	65557	Repair Existing Training Area Roads, Phase 1					0.19	0.00						
TOTAL REMOVALS				0.00	0.00	0.93	36.74	13.16	333.88						

POST-PROJECT															
		2010		non-contiguous habitat		2010 TOTAL									
		Acres	BA	Acres	BA	Acres	BA								
Suitable Habitat		0.00	0.00	0.00	0.00	0.00	0.00								
Potentially Suitable Habitat		0.81	31.99	0.81	31.99	0.00	0.00								
Future Potential Habitat		193.94	4,697.99	0.42	15.12	193.52	4,682.87								
SUB-TOTAL		194.75	4,729.98	1.23	47.11	193.52	4,682.87								

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 22P = Slash Pine Plantation

4 = medium, sparse 22U = Slash Pine Underplanted

5 = tall, sparse 26 = Mixed Pine-Longleaf

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.

Stands BB0439 and BB0442 will be non-contiguous as a result of project removals and cannot be counted towards the available foraging habitat for the partition.

Appendix Table H-119. 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 **J01-02R 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
J0104	10.20	81	21	5.06	2.00	2.28	2.00	15.72	23.00	22.84	7.41	4.14	12.00	25.00	39.00	1	25	39	3	2	0					10.20	255.00
J0111	0.02	1	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	2	0					0.00	0.00
J0119	0.05	2	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	2	0					0.00	0.00
J0120	21.88	113	13	2.94	1.00	2.54	1.50	8.10	17.50	31.06	12.62	6.48	20.50	19.00	40.50	2	18	64	3	2	0					21.88	415.72
J0121	10.45	62	32	18.95	6.50	16.81	13.00	18.32	32.00	1.08	4.46	2.21	7.00	45.00	58.50	2	26	16	3	2	1	10.45	470.25				
J0122	8.36	1	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	2	0					0.00	0.00
J0123	1.13	25	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	2	0					0.00	0.00
J0126	3.23	121	26	0.00	0.00	6.53	4.29	10.89	20.00	13.71	8.10	3.75	11.43	24.29	35.71	2	24	40	3	2	0					0.00	0.00
J0211	8.66	128	21	4.33	0.71	0.00	0.00	19.07	41.43	0.00	2.34	3.05	7.14	41.43	49.29	2	14	22	3	1	1	0.00	0.00				
J0212	36.81	86	21	8.84	2.50	18.90	14.50	15.44	25.00	0.00	0.00	1.44	3.00	39.50	45.00	1	23	4	3	1	1	36.81	1,454.00				
J0218	20.12	40	31	18.17	5.50	14.66	9.50	11.84	17.50	5.56	1.15	2.11	5.50	27.00	38.00	1	17	11	3	1	0					20.12	543.24
J0312	24.77	89	26	14.29	4.00	1.80	1.50	18.97	32.50	20.83	11.02	1.48	9.50	34.00	47.50	6	14	38	3	1	1			0.00	0.00		
J0319	3.62	89	26	33.16	10.00	21.29	20.00	38.61	60.00	0.00	0.00	0.00	0.00	80.00	90.00	2	13	0	3	1	1	3.62	289.60				
J0326	0.04	96	25	59.37	15.00	24.78	16.00	13.63	20.50	22.64	5.28	2.64	8.50	36.50	60.00	1	18	17	3	1	1	0.04	1.46				
J0329	0.09	46	25	47.54	15.00	30.67	21.00	9.80	15.50	11.95	1.46	0.39	2.00	36.50	53.50	2	40	4	3	1	1	0.00	0.00				
pp1025*	1.29	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					1.29	0.00
pp1074*	0.07	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					0.00	0.00
pp52*	5.68	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					5.68	0.00
pp53*	6.59	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					6.59	0.00
pp54*	4.83	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					4.83	0.00
pp56*	0.73	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
pp617*	22.36	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					22.36	0.00
pp683*	1.05	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					1.05	0.00
pp684*	8.73	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
pp913*	5.88	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					5.88	0.00
pp933*	26.04	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					26.04	0.00
pp978*	21.94	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					21.94	0.00
254.62																		50.92	2,215.31	0.00	0.00	147.86	1,213.96				

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
J0122	2009	65554	Construct Training Area Roads Paved						
J0123	2009	65554	Construct Training Area Roads Paved						
J0319	2009	65554	Construct Training Area Roads Paved	2.87		229.60		0.19	0.00
J0329	2009	65554	Construct Training Area Roads Paved	0.01		0.37		0.10	0.00
pp933*	2009	65554	Construct Training Area Roads Paved					3.19	0.00
TOTAL REMOVALS				2.88		229.97	0.00	3.48	0.00

POST-PROJECT			
	Acres	BA	2009
Suitable Habitat	48.04	1,985.34	
Potentially Suitable Habitat	0.00	0.00	
Future Potential Habitat	144.38	1,213.96	
TOTAL	192.42	3,199.30	

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:
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
25 = Mixed Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
32 = Shortleaf Pine
NM = not managed

* Note: No pine data was collected for pine plantation stand 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-121. 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 **J02-02R 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
J0218	10.58	40	31	18.17	5.50	14.66	9.50	11.84	17.50	5.56	1.15	2.11	5.50	27.00	38.00	1	17	11	3	1	0				10.58	285.66	
J0218	15.09	40	31U	18.17	5.50	14.66	9.50	11.84	17.50	5.56	1.15	2.11	5.50	27.00	38.00	1	17	11	3	1	0				15.09	407.43	
J0221	7.23	55	26	39.25	10.50	7.85	5.00	18.83	32.50	6.37	1.32	1.65	4.00	37.50	52.00	8	22	10	3	1	0			7.23	271.13		
J0227	6.00	109	21	14.11	3.89	4.44	3.33	11.95	23.89	4.42	5.85	3.52	8.89	27.22	40.00	6	23	36	3	1	0				6.00	163.32	
J0227	15.03	109	21U	14.11	3.89	4.44	3.33	11.95	23.89	4.42	5.85	3.52	8.89	27.22	40.00	6	23	36	3	1	0				15.03	409.12	
pp1025	0.85	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				0.85	0.00	
pp246*	3.13	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	
pp55*	1.47	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				1.47	0.00	
pp974*	7.75	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				7.75	0.00	
pp975*	6.03	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				6.03	0.00	
R0203	2.08	25	31	176.82	40.00	0.00	0.00	11.24	15.00	0.00	0.00	0.00	0.00	15.00	55.00	4	20	0	3	1	0				0.00	0.00	
R0211	0.35	68	31	9.10	3.16	3.58	2.63	16.40	32.11	20.40	17.55	9.45	26.32	34.74	64.21	6	3	57	3	1	0			0.00	0.00		
T0201	5.48	96	31	3.89	1.50	3.46	2.50	9.37	20.00	10.40	5.61	6.78	18.50	22.50	42.50	2	21	49	3	1	0				5.48	123.30	
T0201	6.36	96	31U	3.89	1.50	3.46	2.50	9.37	20.00	10.40	5.61	6.78	18.50	22.50	42.50	2	21	49	3	1	0				6.36	143.10	
T0202	10.52	109	26	5.40	2.00	5.04	4.00	21.99	38.50	1.27	0.76	2.17	3.50	42.50	48.00	2	28	10	3	1	1	10.52	447.10				
T0202	0.29	109	26U	5.40	2.00	5.04	4.00	21.99	38.50	1.27	0.76	2.17	3.50	42.50	48.00	2	28	10	3	1	1	0.29	12.33				
T0204	41.45	96	10	4.77	2.00	10.94	7.00	10.04	21.50	27.16	22.17	13.12	37.50	28.50	68.00	7	17	63	3	1	0				41.45	1,181.33	
T0204	0.13	96	10U	4.77	2.00	10.94	7.00	10.04	21.50	27.16	22.17	13.12	37.50	28.50	68.00	7	17	63	3	1	0				0.13	3.71	
T0214	6.30	73	21	23.38	6.00	2.72	2.00	5.69	10.00	21.45	6.89	5.72	14.50	12.00	32.50	5	24	60	3	1	0				6.30	75.60	
T0220	2.85	109	13	0.00	0.00	4.24	3.50	22.11	46.00	99.66	21.73	7.04	28.50	49.50	78.00	5	3	52	3	2	0			0.00	0.00		
148.97																											
10.81 459.43 7.23 271.13 122.52 2,792.57																											
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													
pp974*	2009	65554	Construct Training Area Roads-OSUT Maneuver Corridor									0.04		0.00													
T0201	2009	65554	Construct Training Area Roads-OSUT Maneuver Corridor									5.12		115.20													
T0202	2009	65554	Construct Training Area Roads-OSUT Maneuver Corridor	4.69		199.33																					
T0204	2009	65554	Construct Training Area Roads-OSUT Maneuver Corridor									6.52		185.82													
TOTAL REMOVALS				4.69		199.33		0.00		0.00		11.68		301.02													
POST-PROJECT																											
				2009																							
				Acres	BA																						
Suitable Habitat				6.12	260.10 <th colspan="21"></th>																						
Potentially Suitable Habitat				7.23	271.13 <th colspan="21"></th>																						
Future Potential Habitat				110.84	2,491.55 <th colspan="21"></th>																						
TOTAL				124.19	3,022.78 <th colspan="21"></th>																						
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											13 = Loblolly Pine-Hardwood																
4 = medium, sparse											21 = Longleaf Pine																
5 = tall, sparse											21P = Longleaf Pine Plantation																
6 = medium, moderate											21U = Longleaf Pine Plantation Underplanted																
7 = tall, moderate											26 = Mixed Pine-Longleaf																
8 = medium, dense											26U = Mixed Pine-Longleaf Underplanted																
9 = tall, dense											31 = Loblolly Pine																
											31U = 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-121. 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 **J02-02R 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
J0218	10.58	40	31	18.17	5.50	14.66	9.50	11.84	17.50	5.56	1.15	2.11	5.50	27.00	38.00	1	17	11	3	1	0				10.58	285.66	
J0218	15.09	40	31U	18.17	5.50	14.66	9.50	11.84	17.50	5.56	1.15	2.11	5.50	27.00	38.00	1	17	11	3	1	0				15.09	407.43	
J0221	7.23	55	26	39.25	10.50	7.85	5.00	18.83	32.50	6.37	1.32	1.65	4.00	37.50	52.00	8	22	10	3	1	0			7.23	271.13		
J0227	6.00	109	21	14.11	3.89	4.44	3.33	11.95	23.89	4.42	5.85	3.52	8.89	27.22	40.00	6	23	36	3	1	0				6.00	163.32	
J0227	15.03	109	21U	14.11	3.89	4.44	3.33	11.95	23.89	4.42	5.85	3.52	8.89	27.22	40.00	6	23	36	3	1	0				15.03	409.12	
pp1025	0.85	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				0.85	0.00	
pp246*	3.13	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	
pp55*	1.47	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				1.47	0.00	
pp974*	7.75	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				7.75	0.00	
pp975*	6.03	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				6.03	0.00	
R0203	2.08	25	31	176.82	40.00	0.00	0.00	11.24	15.00	0.00	0.00	0.00	0.00	15.00	55.00	4	20	0	3	1	0				0.00	0.00	
R0211	0.35	68	31	9.10	3.16	3.58	2.63	16.40	32.11	20.40	17.55	9.45	26.32	34.74	64.21	6	3	57	3	1	0			0.00	0.00		
T0201	5.48	96	31	3.89	1.50	3.46	2.50	9.37	20.00	10.40	5.61	6.78	18.50	22.50	42.50	2	21	49	3	1	0				5.48	123.30	
T0201	6.36	96	31U	3.89	1.50	3.46	2.50	9.37	20.00	10.40	5.61	6.78	18.50	22.50	42.50	2	21	49	3	1	0				6.36	143.10	
T0202	10.52	109	26	5.40	2.00	5.04	4.00	21.99	38.50	1.27	0.76	2.17	3.50	42.50	48.00	2	28	10	3	1	1	10.52	447.10				
T0202	0.29	109	26U	5.40	2.00	5.04	4.00	21.99	38.50	1.27	0.76	2.17	3.50	42.50	48.00	2	28	10	3	1	1	0.29	12.33				
T0204	41.45	96	10	4.77	2.00	10.94	7.00	10.04	21.50	27.16	22.17	13.12	37.50	28.50	68.00	7	17	63	3	1	0				41.45	1,181.33	
T0204	0.13	96	10U	4.77	2.00	10.94	7.00	10.04	21.50	27.16	22.17	13.12	37.50	28.50	68.00	7	17	63	3	1	0				0.13	3.71	
T0214	6.30	73	21	23.38	6.00	2.72	2.00	5.69	10.00	21.45	6.89	5.72	14.50	12.00	32.50	5	24	60	3	1	0				6.30	75.60	
T0220	2.85	109	13	0.00	0.00	4.24	3.50	22.11	46.00	99.66	21.73	7.04	28.50	49.50	78.00	5	3	52	3	2	0			0.00	0.00		
148.97																											
10.81 459.43 7.23 271.13 122.52 2,792.57																											

REMOVALS								
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Potentially Suitable Acreage Removed	Future Potential Acreage Removed	Potentially Suitable BA Removed	Future Potential BA Removed
pp974*	2009	65554	Construct Training Area Roads-OSUT Maneuver Corridor			0.04		0.00
T0201	2009	65554	Construct Training Area Roads-OSUT Maneuver Corridor			5.12		115.20
T0202	2009	65554	Construct Training Area Roads-OSUT Maneuver Corridor	4.69	199.33			
T0204	2009	65554	Construct Training Area Roads-OSUT Maneuver Corridor			6.52		185.82
TOTAL REMOVALS				4.69	199.33	11.68	0.00	301.02

POST-PROJECT		
	2009	BA
Suitable Habitat	6.12	260.10
Potentially Suitable Habitat	7.23	271.13
Future Potential Habitat	110.84	2,491.55
TOTAL	124.19	3,022.78

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
10U = Yellow Pine-Upland Hardwood Underplanted
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
21U = Longleaf Pine Plantation Underplanted
26 = Mixed Pine-Longleaf
26U = Mixed Pine-Longleaf Underplanted
31 = Loblolly Pine
31U = 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-122. 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 **J02-02R, 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	Suitability	Suitable Acreage	Suitable BA	Potential Suitable Acreage	Potential Suitable BA	Future Potential Acreage	Future Potential BA
J0218	10.58	40	31	18.17	5.50	14.66	9.50	11.84	17.50	5.56	1.15	2.11	5.50	27.00	38.00	1	17	11	3	1	3.66	PS				10.58	285.66	
J0218	15.09	40	31U	18.17	5.50	14.66	9.50	11.84	17.50	5.56	1.15	2.11	5.50	27.00	38.00	1	17	11	3	1	3.66	PS				15.09	407.43	
J0221	7.23	55	26	39.25	10.50	7.85	5.00	18.83	32.50	6.37	1.32	1.65	4.00	37.50	52.00	8	22	10	3	1	3.99	PS				7.23	271.13	
J0227	6.00	109	21	14.11	3.89	4.44	3.33	11.95	23.89	4.42	5.85	3.52	8.89	27.22	40.00	6	23	36	3	1	3.76	PS				6.00	163.32	
J0227	15.03	109	21U	14.11	3.89	4.44	3.33	11.95	23.89	4.42	5.85	3.52	8.89	27.22	40.00	6	23	36	3	1	3.76	PS				15.03	409.12	
pp1025*	0.85	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				0.85	0.00	
pp246*	3.13	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	
pp55*	1.47	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				1.47	0.00	
pp974*	7.75	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				7.75	0.00	
pp975*	6.03	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				6.03	0.00	
R0203	2.08	25	31	176.82	40.00	0.00	0.00	11.24	15.00	0.00	0.00	0.00	0.00	15.00	55.00	4	20	0	3	1	3.18	NH				0.00	0.00	
R0211	0.35	68	31	9.10	3.16	3.58	2.63	16.40	32.11	20.40	17.55	9.45	26.32	34.74	64.21	6	3	57	3	1	3.76	PS				0.00	0.00	
T0201	5.48	96	31	3.89	1.50	3.46	2.50	9.37	20.00	10.40	5.61	6.78	18.50	22.50	42.50	2	21	49	3	1	3.94	PS				5.48	123.30	
T0201	6.36	96	31U	3.89	1.50	3.46	2.50	9.37	20.00	10.40	5.61	6.78	18.50	22.50	42.50	2	21	49	3	1	3.94	PS				6.36	143.10	
T0202	10.52	109	26	5.40	2.00	5.04	4.00	21.99	38.50	1.27	0.76	2.17	3.50	42.50	48.00	2	28	10	3	1	4.65	CS	10.52	447.10				
T0202	0.29	109	26U	5.40	2.00	5.04	4.00	21.99	38.50	1.27	0.76	2.17	3.50	42.50	48.00	2	28	10	3	1	4.65	CS	0.29	12.33				
T0204	41.45	96	10	4.77	2.00	10.94	7.00	10.04	21.50	27.16	22.17	13.12	37.50	28.50	68.00	7	17	63	3	1	3.55	PS				41.45	1,181.33	
T0204	0.13	96	10U	4.77	2.00	10.94	7.00	10.04	21.50	27.16	22.17	13.12	37.50	28.50	68.00	7	17	63	3	1	3.55	PS				0.13	3.71	
T0214	6.30	73	21	23.38	6.00	2.72	2.00	5.69	10.00	21.45	6.89	5.72	14.50	12.00	32.50	5	24	60	3	1	3.22	PS				6.30	75.60	
T0220	2.85	109	13	0.00	0.00	4.24	3.50	22.11	46.00	99.66	21.73	7.04	28.50	49.50	78.00	5	3	52	3	2	4.12	PS			0.00	0.00		
	148.97																						10.81	459.43	0.00	0.00	129.75	3,063.70

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
pp974*	2009	65554	Construct Training Area Roads-OSUT Maneuver Corridor				0.04	0.00
T0201	2009	65554	Construct Training Area Roads-OSUT Maneuver Corridor				5.12	115.20
T0202	2009	65554	Construct Training Area Roads-OSUT Maneuver Corridor	4.69	199.33			
T0204	2009	65554	Construct Training Area Roads-OSUT Maneuver Corridor				6.52	185.82
TOTAL REMOVALS				4.69	199.33	0.00	11.68	301.02

POST-PROJECT		
	2009	
Suitable Habitat	Acres	BA
	6.12	260.10
Potentially Suitable Habitat	0.00	0.00
Future Potential Habitat	118.07	2,762.68
TOTAL	124.19	3,022.78

Key:

BA= basal area
dbh= diameter at breast height
hwc= 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
10U = Yellow Pine-Upland Hardwood Underplanted
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
21U = Longleaf Pine Plantation Underplanted
26 = Mixed Pine-Longleaf
26U = Mixed Pine-Longleaf Underplanted
31 = Loblolly Pine
31U = 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-123. 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 **J06-03, 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 Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA	
D1202	32.73	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	32.73	1,489.22				
D1205	0.01	75	26	46.21	14.00	19.05	12.50	11.62	17.00	17.21	5.91	2.00	7.50	29.50	51.00	1	20	21	3	1	0				0.01	0.30	
D1217	31.64	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	31.64	1,075.76				
D1217	0.18	47	31U	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	0.18	6.12				
D1218	1.91	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	1.91	71.63				
D1225	11.37	46	10U	3.54	1.00	24.76	18.50	14.50	20.00	9.09	3.97	0.33	3.00	38.50	42.50	1	33	10	3	1	1	11.37	437.75				
D1227	0.07	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	0.07	3.30				
D1242	0.22	46	31	5.85	2.00	18.42	13.50	11.02	17.00	11.57	4.52	3.81	8.00	30.50	40.50	1	22	22	3	1	1	0.22	6.71				
D1242	0.01	46	31U	5.85	2.00	18.42	13.50	11.02	17.00	11.57	4.52	3.81	8.00	30.50	40.50	1	22	22	3	1	1	0.01	0.31				
J0628	1.43	82	21	14.23	4.00	7.96	6.50	21.40	31.00	1.98	2.19	1.00	3.00	37.50	44.50	2	28	10	3	1	1	1.43	53.63				
J0633	35.50	74	21	7.97	2.50	19.77	14.50	11.68	16.50	3.80	2.25	0.31	2.00	31.00	35.50	2	20	8	3	1	1	35.50	1,100.50				
J0634	10.55	69	66***	20.41	5.50	7.26	5.50	6.67	9.00	35.01	20.48	7.40	23.50	14.50	43.50	7	22	67	3	1	0				0.00	0.00	
J0635	13.55	59	31	12.83	2.50	9.52	7.00	17.57	25.00	1.33	0.59	0.00	0.50	32.00	35.00	3	30	2	3	1	1	13.55	433.60	0.13	4.04		
J0637	0.13	85	31	18.20	5.79	11.66	8.42	15.52	22.63	5.19	2.23	1.29	3.68	31.05	40.53	8	11	11	3	1	0				0.00	0.00	
J0638	1.30	93	53**	9.98	3.50	6.11	4.50	5.80	8.50	32.61	20.33	9.17	28.50	13.00	45.00	4	11	71	3	1	0						
J0639	37.35	93	26	23.19	7.00	7.79	5.50	13.20	20.00	12.28	6.69	0.78	5.50	25.50	38.00	1	25	26	3	1	0				37.35	952.43	
J0640	53.47	67	21	18.79	5.50	17.63	13.00	13.75	22.00	5.60	3.35	3.15	7.00	35.00	47.50	2	24	17	3	1	1	53.47	1,871.45				
T0406	27.27	52	26	23.02	6.50	20.08	14.50	16.88	22.00	4.77	2.00	1.31	3.50	36.50	46.50	1	30	8	3	1	1	27.27	995.36				
T0407	35.94	70	21	10.40	3.00	7.19	5.50	16.36	24.00	17.69	9.18	1.51	9.00	29.50	41.50	1	28	31	3	1	0				35.94	1,060.23	
T0416	5.66	55	25	10.77	3.00	22.08	15.00	14.46	21.50	8.25	4.54	3.25	7.50	36.50	47.00	1	28	18	3	1	1	5.66	206.59				
300.29																						215.01	7,751.93	0.13	4.04	73.30	2,012.96

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						
D1202	2009	65554	Construct Training Area Roads, Paved	5.11	232.51										
D1202	2009	69743	Southern Training Area Infrastructure-Maneuver Area	4.50	204.75										
D1202	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails	1.89	86.00										
D1217	2009	69743	Southern Training Area Infrastructure-Maneuver Area	8.51	289.34										
D1217	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails	4.36	148.24										
D1218	2009	69743	Southern Training Area Infrastructure-Maneuver Area	0.12	4.50										
D1225	2009	69743	Southern Training Area Infrastructure-Maneuver Area	2.91	112.04										
D1225	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails	2.74	105.49										
D1242	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails	0.04	1.22										
J0628	2009	65554	Construct Training Area Roads, Paved	0.46	17.25										
J0635	2009	65554	Construct Training Area Roads, Paved	3.38	108.16										
J0640	2009	65554	Construct Training Area Roads, Paved	1.23	43.05										
J0640	2009	69743	Southern Training Area Infrastructure-Maneuver Area	1.74	60.90			3.90	115.05						
T0407	2009	69743	Southern Training Area Infrastructure-Maneuver Area					3.40	100.30						
T0407	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails												
TOTAL REMOVALS				36.99	1,413.45	0.00	0.00	7.30	215.35						

POST-PROJECT				2009	
Suitable Habitat	Acres	BA			
Potentially Suitable Habitat	0.13	4.04			
Future Potential Habitat	66.00	1,797.61			
SUB-TOTAL	244.15	8,140.13			

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
	2=growing season	
Hardwood Midstory:	Forest Type:	
1 = low, sparse	10U = Yellow Pine-Upland Hardwood Underplanted	
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	31U = Loblolly Pine Underplanted	
7 = tall, moderate	53** = White Oak-Red Oak-Hickory (managed for hardwoods)	
8 = medium, dense	66*** = Oak-Hickory (managed for hardwoods)	
9 = tall, dense		

Appendix Table H-124. 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 **J06-03, 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	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
D1202	32.73	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					32.73	1,499.22
D1205	0.01	75	26	46.21	14.00	19.05	12.50	11.62	17.00	17.21	5.91	2.00	7.50	29.50	51.00	1	20	21	3	1	3.80	PS					0.01	0.30
D1217	31.64	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					31.64	1,075.76
D1217	0.18	47	31U	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					0.18	6.12
D1218	1.91	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					1.91	71.63
D1225	11.37	46	10U	3.54	1.00	24.76	18.50	14.50	20.00	9.09	3.97	0.33	3.00	38.50	42.50	1	33	10	3	1	4.27	PS					11.37	437.75
D1227	0.07	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					0.07	3.30
D1242	0.22	46	31	5.85	2.00	18.42	13.50	11.02	17.00	11.57	4.52	3.81	8.00	30.50	40.50	1	22	22	3	1	3.70	PS					0.22	6.71
D1242	0.01	46	31U	5.85	2.00	18.42	13.50	11.02	17.00	11.57	4.52	3.81	8.00	30.50	40.50	1	22	22	3	1	3.70	PS					0.01	0.31
J0628	1.43	82	21	14.23	4.00	7.96	6.50	21.40	31.00	1.98	2.19	1.00	3.00	37.50	44.50	2	28	10	3	1	4.60	CS	1.43	53.63				
J0633	35.50	74	21	7.97	2.50	19.77	14.50	11.68	16.50	3.80	2.25	0.31	2.00	31.00	35.50	2	20	8	3	1	4.00	PS					35.50	1,100.50
J0634	10.55	69	66***	20.41	5.50	7.26	5.50	6.67	9.00	35.01	20.48	7.40	23.50	14.50	43.50	7	22	67	3	1	2.96	PS					0.00	0.00
J0635	13.55	59	31	12.83	2.50	9.52	7.00	17.57	25.00	1.33	0.59	0.00	0.50	32.00	35.00	3	30	2	3	1	4.25	PS					13.55	433.60
J0637	0.13	85	31	18.20	5.79	11.66	8.42	15.52	22.63	5.19	2.23	1.29	3.68	31.05	40.53	8	11	11	3	1	3.89	PS					0.13	4.04
J0638	1.30	93	53**	9.98	3.50	6.11	4.50	5.80	8.50	32.61	20.33	9.17	28.50	13.00	45.00	4	11	71	3	1	3.10	PS					0.00	0.00
J0639	37.35	93	26	23.19	7.00	7.79	5.50	13.20	20.00	12.28	6.69	0.78	5.50	25.50	38.00	1	25	26	3	1	4.14	PS					37.35	952.43
J0640	53.47	67	21	18.79	5.50	17.63	13.00	13.75	22.00	5.60	3.35	3.15	7.00	35.00	47.50	2	24	17	3	1	4.32	PS					53.47	1,871.45
T0406	27.27	52	26	23.02	6.50	20.08	14.50	16.88	22.00	4.77	2.00	1.31	3.50	36.50	46.50	1	30	8	3	1	4.39	PS					27.27	995.36
T0407	35.94	70	21	10.40	3.00	7.19	5.50	16.36	24.00	17.69	9.18	1.51	9.00	29.50	41.50	1	28	31	3	1	4.14	PS					35.94	1,060.23
T0416	5.66	55	25	10.77	3.00	22.08	15.00	14.46	21.50	8.25	4.54	3.25	7.50	36.50	47.00	1	28	18	3	1	4.18	PS					5.66	206.59
300.29																							1.43	53.63	0.00	0.00	287.01	9,715.30

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
D1202	2009	65554	Construct Training Area Roads, Paved					5.11	232.51
D1202	2009	69743	Southern Training Area Infrastructure-Maneuver Area					4.50	204.75
D1202	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					1.89	86.00
D1217	2009	69743	Southern Training Area Infrastructure-Maneuver Area					8.51	289.34
D1217	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					4.36	148.24
D1218	2009	69743	Southern Training Area Infrastructure-Maneuver Area					0.12	4.50
D1225	2009	69743	Southern Training Area Infrastructure-Maneuver Area					2.91	112.04
D1225	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					2.74	105.49
D1242	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					0.04	1.22
J0628	2009	65554	Construct Training Area Roads, Paved	0.46		17.25			
J0635	2009	65554	Construct Training Area Roads, Paved					3.38	108.16
J0640	2009	65554	Construct Training Area Roads, Paved					1.23	43.05
J0640	2009	69743	Southern Training Area Infrastructure-Maneuver Area					1.74	60.90
T0407	2009	69743	Southern Training Area Infrastructure-Maneuver Area					3.90	115.05
T0407	2009	69743	Southern Training Area Infrastructure-Upgrade Tank Trails					3.40	100.30
TOTAL REMOVALS				0.46	17.25	0.00	0.00	43.83	1,611.55

POST-PROJECT			2009
Suitable Habitat	Acres	BA	0.97 36.38
Potentially Suitable Habitat	0.00	0.00	
Future Potential Habitat	243.18	8,103.75	
SUB-TOTAL	244.15	8,140.13	

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
	2=growing season	
Hardwood Midstory:	Forest Type:	
1 = low, sparse	10U = Yellow Pine-Upland Hardwood Underplanted	
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	31U = Loblolly Pine Underplanted	
7 = tall, moderate	53** = White Oak-Red Oak-Hickory (managed for hardwoods)	
8 = medium, dense	66*** = Oak-Hickory (managed for hardwoods)	
9 = tall, dense		

Appendix Table H-125. 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 **K02-01 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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
O0918	3.48	65	21	27.41	7.65	14.93	10.59	12.05	18.24	16.03	3.96	4.89	9.41	28.82	45.88	6	25	25	3	1	0					3.48	100.29																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
O0928	0.44	63	31	81.35	24.74	31.37	21.58	6.96	10.00	22.27	5.83	3.93	10.53	31.58	66.84	9	7	20	3	1	0			0.44	13.90	3.48	100.29																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
O0929	18.54	63	21	16.06	4.50	10.84	8.00	11.70	17.50	4.32	1.65	0.00	1.00	25.50	31.00	2	29	7	3	1	0				18.54	472.77																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
O0931	58.36	98	26	37.01	11.50	25.65	17.50	6.14	8.00	18.33	5.62	2.00	6.50	25.50	43.50	2	47	19	3	1	0				58.36	1,488.18																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
O0935	65.34	73	21	55.34	15.50	18.58	14.00	11.57	15.00	10.60	5.16	2.81	8.00	29.00	52.50	1	25	21	3	1	0				65.34	1,894.86																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
O0936	37.11	103	22P	74.41	22.38	16.57	10.95	2.35	3.33	4.52	0.00	0.00	0.00	14.29	36.67	2	19	0	3	1	0				37.11	530.30																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
O0937	0.33	45	26	113.48	30.00	23.34	16.00	6.22	9.50	19.63	2.56	0.66	3.00	25.50	56.50	1	39	10	3	1	0				0.00	0.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
O0939	3.09	42	22P	152.83	50.00	35.82	20.00	0.91	1.43	6.01	0.00	0.00	0.00	21.43	71.43	2	26	0	3	1	0				3.09	66.22																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
O0940	3.41	58	22P	71.70	23.33	20.22	13.33	5.76	6.67	43.63	0.00	0.00	0.00	20.00	43.33	4	30	0	3	1	0				3.41	68.20																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
O0942	50.23	90	11	22.89	7.50	10.68	7.50	6.63	10.00	16.34	4.77	4.78	11.00	17.50	36.00	7	15	36	3	1	0				50.23	879.03																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
O0944	6.15	40	22P	225.43	55.00	21.01	13.33	2.36	3.33	23.97	0.00	0.00	0.00	16.67	71.67	2	18	0	3	1	0				6.15	102.52																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
O0950	10.21	80	31	61.89	16.50	14.34	11.00	12.41	20.00	18.86	7.18	2.86	9.00	31.00	56.50	7	29	27	3	1	0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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K02-01, Alternatives A and B for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																						Hwd Midstory		Number of years since last burn		Matrix Stand Score		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- 10-14' dbh	Pine BA 10-14' dbh	Pine Stems 10- 10-14' dbh	Pine BA 10-14' dbh	Hwd Stems 4 10' dbh	Hwd BA 4 10' dbh	Hwd Stems > 14' dbh	Hwd BA > 14' dbh	Total Stand BA (Pines + Hwds)	Hwd Density	HGC (%)	% Hwd Canopy	Burn Type	Suitability	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA									
O0918	3.48	65	21	27.41	7.65	14.93	10.59	12.05	18.24	16.03	3.96	4.89	9.1	28.82	45.88	6	25	25	3	1	3.66	PS	3.48	100.29									
O0928	0.44	63	31	81.35	24.74	31.37	21.58	6.96	10.00	22.27	5.83	3.93	10.53	31.58	66.84	9	7	20	3	1	2.62	PS	0.44	13.90									
O0929	18.54	63	21	16.06	4.50	10.84	8.00	11.70	17.50	4.32	1.65	0.00	1.00	25.50	31.00	2	29	7	3	1	4.05	PS	18.54	472.77									
O0931	58.36	98	26	37.01	11.50	25.65	17.50	6.14	8.00	18.33	5.62	2.00	6.50	25.50	43.50	2	47	19	3	1	3.63	PS	58.36	1,488.18									
O0935	65.34	73	21	15.54	3.54	18.50	14.00	11.57	15.00	10.60	5.16	2.81	8.00	29.00	52.50	1	25	21	3	1	3.90	PS	65.34	1,694.66									
O0936	37.11	103	22P	74.01	22.38	16.57	10.95	2.35	3.33	4.52	0.00	0.00	0.00	14.29	36.67	2	19	0	3	1	3.08	PS	37.11	530.30									
O0937	0.33	45	26	113.48	30.00	23.34	16.00	6.22	9.50	19.63	2.56	0.66	3.00	25.50	58.50	1	39	10	3	1	3.29	PS	0.00	0.00									
O0939	3.09	42	22P	152.83	50.00	35.82	20.00	0.91	1.43	6.01	0.00	0.00	0.00	21.43	71.43	2	26	0	3	1	2.90	PS	3.09	66.22									
O0940	3.41	58	22P	71.70	23.33	20.22	13.33	5.76	6.67	43.63	0.00	0.00	0.00	20.00	43.33	4	30	0	3	1	3.29	PS	3.41	68.20									
O0942	50.23	90	11	22.89	7.50	10.68	7.50	6.63	10.00	16.34	4.77	4.78	11.00	17.50	36.00	7	15	36	3	1	3.00	PS	50.23	879.03									
O0944	3.15	40	22P	225.43	55.00	21.01	13.33	2.36	3.33	23.67	0.00	0.00	0.00	3.33	71.67	2	18	0	3	1	2.75	PS	6.15	102.52									
O0950	10.21	80	31	61.89	16.50	14.34	11.00	12.41	20.00	18.86	7.18	2.86	9.00	31.00	56.50	7	29	27	3	1	3.61	PS	10.21	316.51									
	256.69																				0.00	0.00	0.00	256.36	5,932.78								

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
00918	2009	65383	Stationary Tank Range (ST2)				3.48	100.29
00928	2009	65383	Stationary Tank Range (ST2)				10.11	
00928	2009	65383	Construction Limits for Stationary Tank Range (ST2)				0.08	2.53
00929	2009	65383	Stationary Tank Range (ST2)				15.74	401.37
00929	2009	65383	Construction Limits for Stationary Tank Range (ST2)				1.03	26.27
00931	2009	65383	Stationary Tank Range (ST2)				58.36	1,488.18
00935	2009	65383	Stationary Tank Range (ST2)				15.69	453.85
00935	2009	65383	Construction Limits for Stationary Tank Range (ST2)				18.82	545.78
00936	2009	65383	Stationary Tank Range (ST2)				29.05	415.12
00936	2009	65383	Construction Limits for Stationary Tank Range (ST2)				8.06	115.18
00939	2009	65383	Stationary Tank Range (ST2)				1.19	25.50
00939	2009	65383	Construction Limits for Stationary Tank Range (ST2)				1.62	34.72
00942	2009	65383	Construction Limits for Stationary Tank Range (ST2)				9.99	174.83
			2009 SUB-TOTAL	0.00	0.00	0.00	0.00	163.39
00939	2011	65383	Beaten Area for Stationary Tank Range (ST2)				0.28	6.00
00940	2011	65383	Beaten Area for Stationary Tank Range (ST2)				2.10	42.00
00942	2011	65383	Beaten Area for Stationary Tank Range (ST2)				1.69	29.58
00944	2011	65383	Beaten Area for Stationary Tank Range (ST2)				3.59	59.85
00950	2011	65383	Beaten Area for Stationary Tank Range (ST2)				0.08	2.48
			TOTAL REMOVALS	0.00	0.00	0.00	0.00	7.74
							171.13	3,933.64

Key:		
Ba= basal area	Type Burn:	Suitability
dbr= diameter at breast height	0= no data available	CS= currently suitable
hw= hardwood	1= non-growing stage	PS= potentially suitable
hg= herbaceous ground cover	2= growing stage	NH= non-habitat
Hardwood Midstory:	Forest Type:	
1 = low, sparse	11 = Longleaf Pine-Hardwood	
2 = low, moderate	21 = Longleaf Pine	
3 = low, dense	22P = Slash 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		
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 09044 and 09050 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		2011 SUB-TOTAL		non-contiguous habitat		2011 TOTAL	
	Acres	BA	Acres	BA	Acres	BA	Acres	BA
Suitable Habitat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Potentially Suitable Habitat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Future Potential Habitat	92.97	2,139.05	85.23	1,999.14	12.69	356.70	72.54	1,642.44
TOTAL	92.97	2,139.05	85.23	1,999.14	12.69	356.70	72.54	1,642.44

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 O0944 and O0950 will be non-contiguous as a result of project impacts and cannot be counted towards the available foraging habitat for the partition.

Appendix Table H-127. 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 **K08-03 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	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
K0807	60.26	73	21	18.82	5.50	8.63	6.50	17.45	26.00	23.05	11.84	1.50	10.00	32.50	48.00	2	28	34	3	1	1	60.26	1,958.45				
K0820	37.72	73	31	9.82	2.50	12.26	10.00	21.62	32.50	3.88	3.76	2.51	5.50	42.50	50.50	2	40	16	3	1	1	37.72	1,603.10				
pp704*	28.84	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					28.84	0.00
pp705*	0.09	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					0.09	0.00
126.91																						97.98	3,561.55	0.00	0.00	28.93	0.00

REMOVALS						
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed
K0807	2009	65554	Construct Training Area Roads Paved	9.72	315.90	
K0820	2009	65554	Construct Training Area Roads Paved	2.78	118.15	
TOTAL REMOVALS				12.50	434.05	0.00

POST-PROJECT		
	2009 Acres	BA
Suitable Habitat	85.48	3,127.50
Potentially Suitable Habitat	0.00	0.00
Future Potential Habitat	28.93	0.00
TOTAL	114.41	3,127.50

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	31 = Loblolly Pine	
4 = medium, sparse		
5 = tall, sparse		
6 = medium, moderate		
7 = tall, moderate		
8 = medium, dense		
9 = tall, dense		
* Note: No pine data provided for stands less than 30 years of age.		

Appendix Table H-128. 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 **K08-03R, 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
K0807	60.26	73	21	18.82	5.50	8.63	6.50	17.45	26.00	23.05	11.84	1.50	10.00	32.50	48.00	2	28	34	3	1	4.14	PS					60.26	1958.45
K0820	37.72	73	31	9.82	2.50	12.26	10.00	21.62	32.50	3.88	3.76	2.51	5.50	42.50	50.50	2	40	16	3	1	4.79	CS	37.72	1,603.10				
pp704*	28.84	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					28.84	0.00
pp705*	0.09	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					0.09	0.00
126.91																							37.72	1,603.10	0.00	0.00	89.19	1,958.45

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	Acreage Removed	Removed
K0807	2009	65554	Construct Training Area Roads Paved				9.72	
K0820	2009	65554	Construct Training Area Roads Paved	2.78	118.15			315.90
TOTAL REMOVALS				2.78	118.15	0.00	0.00	315.90

POST-PROJECT			2009
			BA
Suitable Habitat	34.94	1,484.95	
Potentially Suitable Habitat	0.00	0.00	
Future Potential Habitat	79.47	1,642.55	
TOTAL	114.41	3,127.50	

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:		
1 = low, sparse	21 = Longleaf Pine	
2 = low, moderate	21P = Longleaf Pine Plantation	
3 = low, dense	31 = Loblolly Pine	
4 = medium, sparse		
5 = tall, sparse		
6 = medium, moderate		
7 = tall, moderate		
8 = medium, dense		
9 = tall, dense		
* Note: No pine data provided for stands less than 30 years of age.		

Appendix Table H-129. 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 **K08-04, 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	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA	
K0807	49.95	73	21	18.82	5.50	8.63	6.50	17.45	26.00	23.05	11.84	1.50	10.00	32.50	48.00	2	28	34	3	1	1	49.95	1,623.38				
K0810	70.08	73	31	13.84	4.00	18.31	14.00	17.01	26.00	7.31	3.82	1.26	4.50	40.00	48.50	1	33	13	3	1	1	70.08	2,803.20				
K0820	23.14	73	31	9.82	2.50	12.26	10.00	21.62	32.50	3.88	3.76	2.51	5.50	42.50	50.50	2	40	16	3	1	1	23.14	983.45				
K0902	6.45	18	31P	328.62	84.00	16.09	10.00	0.98	1.00	0.00	0.00	0.00	0.00	11.00	95.00	2	21	0	3	1	0				6.45	70.95	
K0909	31.97	90	31	5.42	2.00	13.47	9.33	15.67	23.33	10.06	2.33	2.00	4.00	32.67	38.67	1	30	13	3	1	1	31.97	1,044.46				
K0912	1.99	91	21	28.44	7.50	13.65	9.50	13.23	20.00	20.73	11.28	0.00	7.50	29.50	44.50	5	29	30	3	2	0				1.99	58.71	
K0915	5.46	82	26	21.08	6.50	11.02	8.50	18.25	29.50	24.11	17.43	3.66	17.50	38.00	62.00	1	19	42	3	2	1	5.46	207.48				
pp705*	3.35	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				3.35	0.00	
192.39																						180.60	6,661.97	0.00	0.00	11.79	129.66

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
K0807	2009	65554	Construct Training Area Roads, Paved	2.14	69.55				
K0810	2009	65554	Construct Training Area Roads, Paved	5.19	207.60				
K0820	2009	65554	Construct Training Area Roads, Paved	2.48	105.40				
K0909	2009	65554	Construct Training Area Roads, Paved	1.46	47.70				
K0912	2009	65554	Construct Training Area Roads, Paved					1.36	40.12
K0915	2009	65554	Construct Training Area Roads, Paved	2.51	95.38				
TOTAL REMOVALS				13.78	525.63	0.00	0.00	1.36	40.12

POST-PROJECT		2009 SUB-TOTAL		non-contiguous habitat		2009 TOTAL	
Suitable Habitat	Acres	BA	Acres	BA	Acres	BA	
Potentially Suitable Habitat	0.00	0.00	0.00	0.00	0.00	0.00	
Future Potential Habitat	10.43	89.54	7.08	89.54	3.35	0.00	
SUB-TOTAL	177.25	6,225.88	37.59	1,086.30	139.66	5,139.58	

Key:

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	31P = Loblolly Pine Plantation	
7 = tall, moderate		
8 = medium, dense		
9 = tall, dense		
* Note: No pine data was provided for pine plantation stands less than 30 years old.		
Stands K0902, K0909 and K0912 will be non-contiguous as a result of project impacts and cannot be counted towards the available foraging habitat for the partition.		

Appendix Table H-130. 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 **K08-04, 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	Suitability	Suitable Acreage	Suitable BA	Potential Suitable Acreage	Potential Suitable BA	Future Potential Acreage	Future Potential BA
K0807	49.95	73	21	18.82	5.50	8.63	6.50	17.45	26.00	23.05	11.84	1.50	10.00	32.50	48.00	2	28	34	3	1	4.08	PS					49.95	1,623.38
K0810	70.08	73	31	13.84	4.00	18.31	14.00	17.01	26.00	7.31	3.82	1.26	4.50	40.00	48.50	1	33	13	3	1	4.28	PS					70.08	2,803.20
K0820	23.14	73	31	9.82	2.50	12.26	10.00	21.62	32.50	3.88	3.76	2.51	5.50	42.50	50.50	2	40	16	3	1	4.53	CS	23.14	983.45				
K0902	6.45	18	31P	328.62	84.00	16.09	10.00	0.98	1.00	0.00	0.00	0.00	0.00	11.00	95.00	2	21	0	3	1	2.26	NH					6.45	70.95
K0909	31.97	90	31	5.42	2.00	13.47	9.33	15.67	23.33	10.06	2.33	2.00	4.00	32.67	38.67	1	30	13	3	1	4.18	PS					31.97	1,044.46
K0912	1.99	91	21	28.44	7.50	13.05	9.50	13.23	20.00	20.73	11.28	0.00	7.50	29.50	44.50	5	29	30	3	2	3.98	PS					1.99	58.71
K0915	5.46	82	26	21.08	6.50	11.02	8.50	18.25	29.50	24.11	17.43	3.66	17.50	38.00	62.00	1	19	42	3	2	4.32	PS			5.46	207.48		
gp705*	3.35	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					3.35	0.00
192.39																							23.14	983.45	5.46	207.48	163.79	5,600.70

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									
K0807	2009	65554	Construct Training Area Roads, Paved								2.14	69.55
K0810	2009	65554	Construct Training Area Roads, Paved								5.19	207.60
K0820	2009	65554	Construct Training Area Roads, Paved			2.48		105.40				
K0909	2009	65554	Construct Training Area Roads, Paved								1.46	47.70
K0912	2009	65554	Construct Training Area Roads, Paved								1.36	40.12
K0915	2009	65554	Construct Training Area Roads, Paved						2.51	95.38		
TOTAL REMOVALS							2.48	105.40	2.51	95.38	10.15	364.97

POST-PROJECT	2009 SUB-TOTAL		non-contiguous habitat		2009 TOTAL	
	Acres	BA	Acres	BA	Acres	BA
Suitable Habitat	20.66	878.05	0.00	0.00	20.66	878.05
Potentially Suitable Habitat	2.95	112.10	0.00	0.00	2.95	112.10
Future Potential Habitat	153.64	5,235.73	37.59	1,086.30	116.05	4,149.43
TOTAL	177.25	6,225.88	37.59	1,086.30	139.66	5,139.58

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	31P = Loblolly Pine Plantation	
6 = medium, moderate		
7 = tall, moderate		
8 = medium, dense		
9 = tall, dense		
* Note: No pine data was provided for pine plantation stands less than 30 years old.		
Stands K0902, K0909 and K0912 will be non-contiguous as a result of project impacts and cannot be counted towards the available foraging habitat for the partition.		

Appendix Table H-131. 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 **K09-01 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
K0820	2.44	73	31	9.82	2.50	12.26	10.00	21.62	32.50	3.88	3.76	2.51	5.50	42.50	50.50	2	40	16	3	1	1	2.44	103.70				
K0909	0.15	90	31	5.42	2.00	13.47	9.33	15.67	23.33	10.06	2.33	2.00	4.00	32.67	38.67	1	30	13	3	1	1	0.15	4.90				
K0912	40.40	91	21	28.44	7.50	13.65	9.50	13.23	20.00	20.73	11.28	0.00	7.50	29.50	44.50	5	29	30	3	2	0					40.40	1,191.80
K0913	18.62	80	21S	24.77	7.89	11.62	8.95	10.48	16.84	28.37	8.68	0.78	6.84	25.79	40.53	7	17	30	3	2	0					18.62	480.21
K0914	0.44	79	21	29.97	9.50	13.48	10.00	25.29	40.00	4.75	3.26	2.11	5.00	50.00	64.50	5	29	12	3	2	0						
K0915	26.65	82	26	21.08	6.50	11.02	8.50	18.25	29.50	24.11	17.43	3.66	17.50	38.00	62.00	1	19	42	3	2	1	26.65	1,012.70	0.44	22.00		
K0916	46.96	91	21	13.63	3.50	18.06	14.00	19.60	31.50	4.34	0.94	0.91	2.00	45.50	51.00	1	33	5	3	2	1	46.96	2,136.68				
K0917	13.64	50	26	12.17	4.00	13.69	10.50	20.53	30.00	19.40	7.00	3.85	10.50	40.50	55.00	1	24	24	3	2	1	13.64	552.42				
K0921	34.68	61	66**	21.55	6.32	6.07	4.74	7.21	10.53	18.27	9.63	4.38	13.68	15.26	35.26	2	22	51	3	2	0					0.00	0.00
183.98																						89.84	3,810.40	0.44	22.00	59.02	1,672.01

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
K0909	2009	65554	Construct Training Area Roads, Paved	0.15	4.90				
K0912	2009	65554	Construct Training Area Roads, Paved					2.23	65.79
K0915	2009	65554	Construct Training Area Roads, Paved						
TOTAL REMOVALS				1.05	39.90	0.00	0.00	2.23	65.79

POST-PROJECT

	Acres	BA
Suitable Habitat	88.64	3,765.60
Potentially Suitable Habitat	0.44	22.00
Future Potential Habitat	56.79	1,606.22
TOTAL	145.87	5,393.82

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:
21 = Longleaf Pine
21S = Longleaf Pine Scrub Oak
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
66** = Oak-Hickory (managed for hardwoods)

Stand Score
0=Unsuitable
1=Suitable

Appendix Table H-132. 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 **K09-01, 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	Hwc 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	Potential Suitable Acreage	Potential Suitable BA	Future Potential Acreage	Future Potential BA
K0820	2.44	73	31	9.82	2.50	12.26	10.00	21.62	32.50	3.88	3.76	2.51	5.50	42.50	50.50	2	40	16	3	1	4.53	CS	2.44	103.70				
K0909	0.15	90	31	5.42	2.00	13.47	9.33	15.67	23.33	10.06	2.33	2.00	4.00	32.67	38.67	1	30	13	3	1	4.18	PS					0.15	4.90
K0912	40.40	91	21	28.44	7.50	13.65	9.50	13.23	20.00	20.73	11.28	0.00	7.50	29.50	44.50	5	29	30	3	2	3.98	PS					40.40	1,191.80
K0913	18.62	80	21S	24.77	7.89	11.62	8.95	10.48	16.84	28.37	8.68	0.78	6.84	25.79	40.53	7	17	30	3	2	3.43	PS					18.62	480.21
K0914	0.44	79	21	29.97	9.50	13.48	10.00	25.29	40.00	4.75	3.26	2.11	5.00	50.00	64.50	5	29	12	3	2	4.23	PS			0.44	22.00		
K0915	26.65	82	26	21.08	6.50	11.02	8.50	18.25	29.50	24.11	17.43	3.66	17.50	38.00	62.00	1	19	42	3	2	4.32	PS			26.65	1,012.70		
K0916	46.96	91	21	13.63	3.50	18.06	14.00	19.60	31.50	4.34	0.94	0.91	2.00	45.50	51.00	1	33	5	3	2	4.58	CS	46.96	2,136.68				
K0917	13.64	50	26	12.17	4.00	13.69	10.50	20.53	30.00	19.40	7.00	3.85	10.50	40.50	55.00	1	24	24	3	2	4.21	PS				13.64	552.42	
K0921	34.68	61	66**	21.55	6.32	6.07	4.74	7.21	10.53	18.27	9.63	4.38	13.68	15.26	35.26	2	22	51	3	2	3.53	PS					0.00	0.00
183.98																												

REMOVALS							
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed
K0909	2009	65554	Construct Training Area Roads, Paved			0.15	4.90
K0912	2009	65554	Construct Training Area Roads, Paved			2.23	65.79
K0915	2009	65554	Construct Training Area Roads, Paved			1.05	39.90
TOTAL REMOVALS				0.00	0.00	1.05	39.90

POST-PROJECT		2009	
	Acres	BA	
Suitable Habitat	49.40	2,240.38	
Potentially Suitable Habitat	26.04	994.80	
Future Potential Habitat	70.43	2,158.64	
TOTAL	145.87	5,393.82	

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	21S = Longleaf Pine Scrub Oak	
3= low, dense	26 = Mixed Pine-Longleaf	
4= medium, sparse	31 = Loblolly Pine	
5= tall, sparse	66** = Oak-Hickory (managed for hardwoods)	
6= medium, moderate		
7= tall, moderate		
8= medium, dense		
9= tall, dense		

Appendix Table H-133. 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 **K09-02R 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 BA 4-10" 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	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
K0905	0.05	50	31	27.08	7.22	7.50	5.56	18.94	28.89	21.67	8.49	1.15	7.78	34.44	49.44	2	19	27	3	1	1	0.05	1.72				
K0912	0.21	91	21	28.44	7.50	13.65	9.50	13.23	20.00	20.73	11.28	0.00	7.50	29.50	44.50	5	29	30	3	2	0					0.21	6.20
K0913	1.51	80	21S	24.77	7.89	11.62	8.95	10.48	16.84	28.37	8.68	0.78	6.84	25.79	40.53	7	17	30	3	2	0					1.51	38.94
K0914	2.04	79	21	29.97	9.50	13.48	10.00	25.29	40.00	4.75	3.26	2.11	5.00	50.00	64.50	5	29	12	3	2	0			2.04	102.00		
K0916	0.02	91	21	13.63	3.50	18.06	14.00	19.60	31.50	4.34	0.94	0.91	2.00	45.50	51.00	1	33	5	3	2	1	0.02	0.91				
K0917	76.71	50	26	12.17	4.00	13.69	10.50	20.53	30.00	19.40	7.00	3.85	10.50	40.50	55.00	1	24	24	3	2	1	76.71	3,106.76				
K0921	23.46	61	66*	21.55	6.32	6.07	4.74	7.21	10.53	18.27	9.63	4.38	13.68	15.26	35.26	2	22	51	3	2	0					0.00	0.00
K0923	36.59	113	21	16.92	5.50	7.13	5.50	16.35	24.50	30.65	13.81	3.02	14.00	30.00	49.50	1	31	42	3	2	1	36.59	1,097.70				
K0925	12.62	77	26	7.97	2.50	5.25	3.50	12.53	21.00	28.09	8.78	3.07	10.00	24.50	37.00	1	35	40	3	1	0					12.62	309.19
K0927	2.42	71	10	2.51	1.00	15.51	11.50	18.50	28.50	34.43	12.11	5.45	16.50	40.00	57.50	1	13	34	3	1	1	2.42	96.80				
K1201	6.26	61	21	15.62	4.50	4.23	3.00	2.02	2.50	20.61	6.97	0.30	5.50	15.50	5	45	54	0	0	0	0					0.00	0.00
K1203	11.85	107	11	18.82	4.50	6.82	5.00	3.67	5.50	12.52	4.09	0.00	2.50	10.50	17.50	6	29	28	0	0	0					11.85	124.43
K1205	9.16	80	31	7.89	2.35	13.81	10.00	16.43	24.71	14.07	5.81	3.34	10.59	34.71	47.65	1	11	23	0	0	1	9.16	317.94				
182.90																						124.95	4,621.83	2.04	102.00	26.19	478.76

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
K0905	2009	64551	Construction Limits for Multi-purpose Training Range (MPTR)	0.04	1.38				
K0917	2009	64551	Multi-purpose Training Range (MPTR)	1.36	55.08				
K0917	2009	64551	Construction Limits for Multi-purpose Training Range (MPTR)	6.15	249.08				
K0925	2009	64551	Multi-purpose Training Range (MPTR)					12.62	309.19
K0927	2009	64551	Multi-purpose Training Range (MPTR)	2.42	96.80				
K1203	2009	64551	Multi-purpose Training Range (MPTR)					5.31	55.76
K1203	2009	64551	Construction Limits for Multi-purpose Training Range (MPTR)					4.80	50.40
K1205	2009	64551	Multi-purpose Training Range (MPTR)	9.16	317.94				
2009 SUB-TOTAL				19.13	720.28	0.00	0.00	22.73	415.35
K0923	2011	64551	Beaten Area for Multi-purpose Training Range (MPTR)	0.77	23.10			1.74	18.27
K1203	2011	64551	Beaten Area for Multi-purpose Training Range (MPTR)	0.77	23.10	0.00	0.00	1.74	18.27
SUB-TOTAL				0.77	23.10	0.00	0.00	1.74	18.27
TOTAL REMOVALS				19.90	743.38	0.00	0.00	24.47	433.62

POST-PROJECT				
	2009		2011	
	Acres	BA	Acres	BA
Suitable Habitat	105.82	3,901.55	105.05	3,878.45
Potentially Suitable Habitat	2.04	102.00	2.04	102.00
Future Potential Habitat	3.46	63.41	1.72	45.14
TOTAL	111.32	4,066.96	108.81	4,025.59

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	Forest Type:
2 = low, moderate	11 = Longleaf Pine-Hardwood	
3 = low, dense	21 = Longleaf Pine	
4 = medium, sparse	21S = Longleaf Pine Scrub Oak	
5 = tall, sparse	26 = Mixed Pine-Longleaf	
6 = medium, moderate	31 = Loblolly Pine	
7 = tall, moderate	66* = Oak-Hickory (managed for hardwoods)	
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-134. 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 **K09-02R, 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	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
K0905	0.05	50	31	27.08	7.22	7.50	5.56	18.94	28.89	21.67	8.49	1.15	7.78	34.44	49.44	2	19	27	3	1	4.14	PS					0.05	1.72
K0912	0.21	91	21	28.44	7.50	13.65	9.50	13.23	20.00	20.73	11.28	0.00	7.50	29.50	44.50	5	29	30	3	2	4.10	PS					0.21	6.20
K0913	1.51	80	21S	24.77	7.89	11.62	8.95	10.48	16.84	28.37	8.68	0.78	6.84	25.79	40.53	7	17	30	3	2	3.49	PS					1.51	38.94
K0914	2.04	79	21	29.97	9.50	13.48	10.00	25.29	40.00	4.75	3.26	2.11	5.00	50.00	64.50	5	29	12	3	2	4.48	PS			2.04	102.00		
K0916	0.02	91	21	13.63	3.50	18.06	14.00	19.60	31.50	4.34	0.94	0.91	2.00	45.50	51.00	1	33	5	3	2	4.90	CS	0.02	0.91				
K0917	76.71	50	26	12.17	4.00	13.69	10.50	20.53	30.00	19.40	7.00	3.85	10.50	40.50	55.00	1	24	24	3	2	4.47	PS					76.71	3,106.76
K0921	23.46	61	66*	21.55	6.32	6.07	4.74	7.21	10.53	18.27	9.63	4.38	13.68	15.26	35.26	2	22	51	3	2	3.60	PS					0.00	0.00
K0923	36.59	113	21	16.92	5.50	7.13	5.50	16.35	24.50	30.65	13.81	3.02	14.00	30.00	49.50	1	31	42	3	2	4.39	PS					36.59	1,097.70
K0925	12.62	77	26	7.97	2.50	5.25	3.50	12.53	21.00	28.09	8.78	3.07	10.00	24.50	37.00	1	35	40	3	1	4.04	PS					12.62	309.19
K0927	2.42	71	10	2.51	1.00	15.51	11.50	18.50	28.50	34.43	12.11	5.45	16.50	40.00	57.50	1	13	34	3	1	4.29	CS	2.42	96.80				
K1201	6.26	61	21	15.62	4.50	4.23	3.00	2.02	2.90	20.61	6.97	0.30	5.50	5.50	15.50	5	45	54	0	0	2.85	PS					0.00	0.00
K1203	11.85	107	11	18.82	4.50	6.82	5.00	3.67	5.50	12.52	4.09	0.00	2.50	10.50	17.50	6	29	28	0	0	2.85	PS					11.85	124.43
K1205	9.16	80	31	7.89	2.35	13.81	10.00	16.43	24.71	14.07	5.81	3.34	10.59	34.71	47.65	1	11	23	0	0	4.00	PS					9.16	317.94
182.90																							2.44	97.71	2.04	102.00	148.70	5,002.88

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
K0905	2009	n/a	Construction Limits for Multi-purpose Training Range (MPTR)					0.04	1.38
K0917	2009	64551	Multi-purpose Training Range (MPTR)					1.36	55.08
K0917	2009	n/a	Construction Limits for Multi-purpose Training Range (MPTR)					6.15	249.08
K0925	2009	64551	Multi-purpose Training Range (MPTR)					12.62	309.19
K0927	2009	64551	Multi-purpose Training Range (MPTR)	2.42	96.80			5.31	55.76
K1203	2009	64551	Multi-purpose Training Range (MPTR)					4.80	50.40
K1203	2009	64551	Construction Limits for Multi-purpose Training Range (MPTR)					9.16	317.94
K1205	2009	64551	Multi-purpose Training Range (MPTR)						
2009 SUB-TOTAL				2.42	96.80	0.00	0.00	39.44	1,038.83
K0923	2011	64551	Beaten Area for Multi-purpose Training Range (MPTR)					0.77	23.10
K1203	2011	64551	Beaten Area for Multi-purpose Training Range (MPTR)					1.74	18.27
SUB-TOTAL				0.00	0.00	0.00	0.00	2.51	41.37
TOTAL REMOVALS				2.42	96.80	0.00	0.00	41.95	1,080.20

POST-PROJECT					
	2009		2011		
	Acres	BA	Acres	BA	
Suitable Habitat	0.02	0.91	0.02	0.91	
Potentially Suitable Habitat	2.04	102.00	2.04	102.00	
Future Potential Habitat	109.26	3,954.05	106.75	3,922.68	
TOTAL	111.32	4,056.96	108.81	4,025.59	

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	10 = Yellow Pine-Upland Hardwood	
2 = low, moderate	11 = Longleaf Pine-Hardwood	
3 = low, dense	21 = Longleaf Pine	
4 = medium, sparse	215 = Longleaf Pine Scrub Oak	
5 = tall, sparse	26 = Mixed Pine-Longleaf	
6 = medium, moderate	31 = Loblolly Pine	
7 = tall, moderate	66* = Oak-Hickory (managed for hardwoods)	
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-135. 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 **K09-03R, 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 Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA	
K0903	16.47	18	31P	281.45	67.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	67.00	1	36	0	3	1	0				16.47	0.00	
K0905	96.46	50	31	27.08	7.22	7.50	5.56	18.94	28.89	21.67	8.49	1.15	7.78	34.44	49.44	2	19	27	3	1	1	96.46	3,322.08				
K0909	13.34	90	31	5.42	2.00	13.47	9.33	15.67	23.33	10.06	2.33	2.00	4.00	32.67	38.67	1	30	13	3	1	1	13.34	435.82				
K0910	4.05	79	31P	277.83	65.00	4.97	2.50	0.00	0.00	12.73	0.00	0.00	0.00	2.50	67.50	1	33	0	3	1	0				4.05	10.13	
K0911	58.73	71	31	61.06	15.50	13.82	9.50	16.96	26.00	8.86	2.54	0.83	3.00	35.50	54.00	1	29	10	3	1	1	0.00	0.00				
K0912	0.78	91	21	28.44	7.50	13.65	9.50	13.23	20.00	20.73	11.28	0.00	7.50	29.50	44.50	5	29	30	3	2	0				0.78	23.01	
K0913	23.69	80	21S	24.77	7.89	11.62	8.95	10.48	15.84	28.37	8.68	0.78	6.84	25.79	40.53	7	17	30	3	2	0				23.69	610.97	
K0914	44.32	79	21	29.97	9.50	13.48	10.00	25.29	40.00	4.75	3.26	2.11	5.00	50.00	64.50	5	29	12	3	2	0			44.32	2,216.00		
K0917	34.62	50	26	12.17	4.00	13.69	10.50	20.53	30.00	19.40	7.00	3.85	10.50	40.50	55.00	1	24	24	3	2	1	34.62	1,402.11				
K0919	0.99	71	31	16.93	5.79	17.96	13.68	22.72	34.74	18.32	11.19	2.28	11.58	48.42	65.79	1	17	25	3	1	1	0.00	0.00				
K1104	0.64	53	22P	109.43	33.00	40.66	25.50	1.95	2.50	3.60	2.64	0.85	3.50	28.00	64.50	1	39	0	3	1	0				0.00	0.00	
K1108	12.39	57	31	17.63	5.50	12.46	9.00	16.38	24.50	0.00	0.74	0.00	0.50	33.50	39.50	2	52	0	3	1	1	0.00	0.00				
K1113	3.48	57	10	44.97	11.50	11.71	7.50	9.33	14.00	23.60	2.17	1.00	3.00	21.50	36.00	5	24	0	3	1	0				0.00	0.00	
pp706*	13.24	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				13.24	0.00	
pp707*	4.24	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				0.00	0.00	
327.44																						144.42	5,160.01	44.32	2,216.00	58.23	644.11

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
K0905	2009	64551	Multi-purpose Training Range (MPTR)	1.47	50.63				
K0905	2009	65554	Construct Training Area Roads, Paved	6.20	213.53				
K0909	2009	65554	Construct Training Area Roads, Paved	1.56	50.97				
K0910	2009	65554	Construct Training Area Roads, Paved					2.33	5.83
K0912	2009	65554	Construct Training Area Roads, Paved					0.71	20.95
K0913	2009	65554	Construct Training Area Roads, Paved					3.16	81.50
K0914	2009	65554	Construct Training Area Roads, Paved			0.61	30.50		
pp706*	2009	65554	Construct Training Area Roads, Paved					1.18	0.00
TOTAL REMOVALS				9.23	315.13	0.61	30.50	7.38	108.28

POST-PROJECT			
	2009		
	Acres	BA	
Suitable Habitat	135.19	4,844.88	
Potentially Suitable Habitat	43.71	2,185.50	
Future Potential Habitat	50.85	535.83	
TOTAL	229.75	7,566.21	

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
21S = Longleaf Pine Scrub Oak
22P = Slash Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
31P = Loblolly Pine Plantation

* Note: No pine data provided for pine plantation stand 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-136. 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 **K09-03R, 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	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				
K0903	16.47	18	31P	281.45	67.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	67.00	1	36	0	3	1	2.67	NH					16.47	0.00				
K0905	96.46	50	31	27.08	7.22	7.50	5.56	18.94	28.89	21.67	8.49	1.15	7.78	34.44	49.44	2	19	27	3	1	4.14	PS					96.46	3,322.08				
K0909	13.34	90	31	5.42	2.00	13.47	9.33	15.67	23.33	10.06	2.33	2.00	4.00	32.67	38.67	1	30	13	3	1	4.43	PS					13.34	435.82				
K0910	4.05	79	31P	277.83	65.00	4.97	2.50	0.00	0.00	12.73	0.00	0.00	0.00	2.50	67.50	1	33	0	3	1	3.23	PS					4.05	10.13				
K0911	58.73	71	31	61.06	15.50	13.82	9.50	16.96	26.00	8.86	2.54	0.83	3.00	35.50	54.00	1	29	10	3	1	4.37	PS					0.00	0.00				
K0912	0.78	91	21	28.44	7.50	13.65	9.50	13.23	20.00	20.73	11.28	0.00	7.50	29.50	44.50	5	29	30	3	2	4.10	PS					0.78	23.01				
K0913	23.69	80	21S	24.77	7.89	11.62	8.95	10.48	16.84	28.37	8.68	0.78	6.84	25.79	40.53	7	17	30	3	2	3.49	PS					23.69	610.97				
K0914	44.32	79	21	29.97	9.50	13.48	10.00	25.29	40.00	4.75	3.26	2.11	5.00	50.00	64.50	5	29	12	3	2	4.48	PS			44.32	2,216.00						
K0917	34.62	50	26	12.17	4.00	13.69	10.50	20.53	30.00	19.40	7.00	3.85	10.50	40.50	55.00	1	24	24	3	2	4.47	PS					34.62	1,402.11				
K0919	0.99	71	31	16.93	5.79	17.96	13.68	22.72	34.74	18.32	11.19	2.28	11.58	48.42	65.79	1	17	25	3	1	4.36	CS	0.00	0.00								
K1104	0.64	53	22P	109.43	33.00	40.66	25.50	1.95	2.50	3.60	2.64	0.85	3.50	28.00	64.50	1	39	0	3	1	3.19	PS					0.00	0.00				
K1108	12.39	57	31	17.63	5.50	12.46	9.00	16.38	24.50	0.00	0.74	0.00	0.50	33.50	39.50	2	52	0	3	1	4.51	PS					0.00	0.00				
K1113	3.48	57	10	44.97	11.50	11.71	7.50	9.33	14.00	23.60	2.17	1.00	3.00	21.50	36.00	5	24	0	3	1	3.40	PS					0.00	0.00				
pp706*	13.24	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					13.24	0.00				
pp707*	4.24	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					0.00	0.00				
327.44																											0.00	0.00	44.32	2,216.00	202.65	5,804.12

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
K0905	2009	64551	Multi-purpose Training Range (MPTR)					1.47	50.63
K0905	2009	65554	Construct Training Area Roads, Paved					6.20	213.53
K0909	2009	65554	Construct Training Area Roads, Paved					1.56	50.97
K0910	2009	65554	Construct Training Area Roads, Paved					2.33	5.93
K0912	2009	65554	Construct Training Area Roads, Paved					0.71	20.95
K0913	2009	65554	Construct Training Area Roads, Paved					3.16	81.50
K0914	2009	65554	Construct Training Area Roads, Paved			0.61	30.50		
pp706*	2009	65554	Construct Training Area Roads, Paved					1.18	0.00
TOTAL REMOVALS				0.00	0.00	0.61	30.50	16.61	423.41

POST-PROJECT		
	2009	
Suitable Habitat	Acres	BA
	0.00	0.00
Potentially Suitable Habitat	43.71	2,185.50
Future Potential Habitat	186.04	5,380.71
TOTAL	229.75	7,566.21

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	21S = Longleaf Pine Scrub Oak	
5 = tall, sparse	22P = Slash Pine Plantation	
6 = medium, moderate	26 = Mixed Pine-Longleaf	
7 = tall, moderate	31 = Loblolly Pine	
8 = medium, dense	31P = Loblolly Pine Plantation	
9 = tall, dense		
* Note: No pine data provided for pine plantation stand 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-137. 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 **K11-02, 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	Potentially Suitable Acreage Suitable BA	Potentially Suitable Acreage Suitable BA	Future Potential Acreage	Future Potential BA	
K1035	5.12	42	31	50.23	14.00	31.93	21.00	7.60	13.00	25.14	2.35	0.81	2.50	34.00	50.50	6	22	7	3	2	0			5.12	174.08		
K1106	8.91	67	13	10.62	3.50	7.45	5.00	12.01	20.00	43.95	8.56	3.60	10.50	25.00	39.00	7	25	38	3	1	0				8.91	222.75	
K1115	36.76	65	31	15.93	4.00	9.93	7.50	19.00	33.00	4.65	0.86	0.90	2.00	40.50	46.50	2	29	6	3	1	1	36.76	1,488.78				
K1117	31.39	82	26	9.74	2.00	6.14	4.50	22.72	39.00	18.08	7.37	1.65	6.50	43.50	52.00	2	24	24	3	1	1	31.39	1,365.47				
K1119	12.93	60	10	16.53	4.00	11.06	9.00	9.82	15.50	26.58	17.78	5.78	21.00	24.50	49.50	7	23	53	3	1	0				0.00	0.00	
K1120	50.29	80	13	32.48	9.47	15.23	10.53	15.08	26.32	32.59	19.30	5.71	20.53	36.84	66.84	1	13	45	3	1	1	50.29	1,852.68				
K1120	0.01	80	13U	32.48	9.47	15.23	10.53	15.08	26.32	32.59	19.30	5.71	20.53	36.84	66.84	1	13	45	3	1	1	0.01	0.37				
K1121	67.28	80	21	17.06	5.00	11.72	9.00	16.04	26.00	12.29	6.32	2.16	7.50	35.00	47.50	1	29	23	3	1	1	67.28	2,354.80				
K1121	0.12	80	21U	17.06	5.00	11.72	9.00	16.04	26.00	12.29	6.32	2.16	7.50	35.00	47.50	1	29	23	3	1	1	0.12	4.20				
K1122	33.35	83	21	27.11	8.00	15.02	11.50	14.89	24.00	10.92	7.57	5.91	14.50	35.50	58.00	1	22	31	3	1	1	33.35	1,183.93				
K1125	9.12	91	21	27.36	8.00	13.22	10.00	5.39	7.50	14.31	3.26	1.29	4.00	17.50	29.50	2	36	20	3	1	0				9.12	159.60	
K1125	0.21	91	21U	27.36	8.00	13.22	10.00	5.39	7.50	14.31	3.26	1.29	4.00	17.50	29.50	2	36	20	3	1	0				0.21	3.68	
K1127	0.03	81	26	7.10	1.82	5.63	4.55	17.33	24.55	6.48	3.96	1.22	4.55	29.09	35.45	2	17	18	3	1	0				0.03	0.87	
pp109*	39.57	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				39.57	0.00	
pp112*	2.03	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	
pp111*	0.51	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				0.51	0.00	
pp711*	297.63																					219.20	8,250.23	5.12	174.08	58.35	386.90

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
K1106	2009	64551	Construction Limits for Multi-purpose Training Range (MPTR)					5.93	148.25
K1106	2009	65554	Construct Training Area Roads Paved					2.44	61.00
K1115	2009	64551	Construction Limits for Multi-purpose Training Range (MPTR)	33.39	1,352.30				
K1115	2009	65554	Construct Training Area Roads Paved	1.18	47.79				
K1115	2009	64551	Access Road for Multi-purpose Training Range (MPTR)	1.54	62.37				
K1117	2009	64551	Construction Limits for Multi-purpose Training Range (MPTR)	0.69	30.02				
K1117	2009	65554	Construct Training Area Roads Paved	3.70	160.95				
K1120	2009	64551	Construction Limits for Multi-purpose Training Range (MPTR)	13.89	511.71				
K1120	2009	65554	Construct Training Area Roads Paved	4.84	178.31				
K1121	2009	65554	Construct Training Area Roads Paved	0.11	3.85				
K1125	2009	65554	Construct Training Area Roads Paved					2.79	48.83
pp109*	2009	65554	Construct Training Area Roads Paved					3.16	0.00
TOTAL REMOVALS				59.34	2,347.30	0.00	0.00	14.32	258.08

POST-PROJECT			
	2009		
Suitable Habitat	Acres	BA	
	159.86	5,902.93	
Potentially Suitable Habitat	5.12	174.08	
Future Potential Habitat	44.03	128.82	
TOTAL	209.01	6,205.83	

Key:		
BA= basal area	Type Burn:	Stand Score
dbh= diameter at breast height	1=non-growing season	0=Unsuitable
hwd= hardwood	2=growing season	1=Suitable
hgc= herbaceous ground cover		
Hardwood Midstory:	Forest Type:	
1 = low, sparse	10 = Yellow Pine-Upland Hardwood	
2 = low, moderate	13 = Loblolly Pine-Hardwood	
3 = low, dense	13U = Loblolly Pine-Hardwood Underplanted	
4 = medium, sparse	21 = Longleaf Pine	
5 = tall, sparse	21P = Longleaf Pine Plantation	
6 = medium, moderate	21U = Longleaf Pine Underplanted	
7 = tall, moderate	26 = Mixed Pine-Longleaf	
8 = medium, dense	31 = Loblolly Pine	
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.		

K11-02, Alternatives A and B for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

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
K1106	2009	64551	Construction Limits for Multi-purpose Training Range (MPTR)					5.93	148.25
K1106	2009	65554	Construct Training Area Roads Paved					2.44	61.00
K1115	2009	64551	Construction Limits for Multi-purpose Training Range (MPTR)	33.39	1,352.30				
K1115	2009	65554	Construct Training Area Roads Paved	1.18	47.79				
K1115	2009	64551	Access Road for Multi-purpose Training Range (MPTR)	1.54	62.37				
K1117	2009	64551	Construction Limits for Multi-purpose Training Range (MPTR)	0.69	30.02				
K1117	2009	65554	Construct Training Area Roads Paved	3.70	160.95				
K1120	2009	64551	Construction Limits for Multi-purpose Training Range (MPTR)					13.89	511.71
K1120	2009	65554	Construct Training Area Roads Paved					4.84	178.31
K1121	2009	65554	Construct Training Area Roads Paved					0.11	3.85
K1125	2009	65554	Construct Training Area Roads Paved					2.79	48.83
pp109*	2009	65554	Construct Training Area Roads Paved					3.16	0.00
TOTAL REMOVALS				40.50	1,653.43	0.00	0.00	33.16	951.95

<u>POST-PROJECT</u>	<u>2009</u>	
	<u>Acres</u>	<u>BA</u>
<u>Suitable Habitat</u>	27.65	1,200.82
<u>Potentially Suitable Habitat</u>	0.00	0.00
<u>Future Potential Habitat</u>	<u>181.36</u>	<u>5,005.01</u>
TOTAL	209.01	6,205.83

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
hgcc= 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	13U = Loblolly Pine-Hardwood Underplanted	
4 = medium, sparse	21 = Longleaf Pine	
5 = tall, sparse	21P = Longleaf Pine Plantation	
6 = medium, moderate	21U = Longleaf Pine Underplanted	
7 = tall, moderate	26 = Mixed Pine-Longleaf	
8 = medium, dense	31 = Loblolly Pine	
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-139. 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 **K11-04R, 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	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
K1026	4.14	79	42**	11.29	2.50	1.57	1.00	5.40	8.00	29.06	12.99	8.59	22.00	9.00	33.50	7	18	76	3	2	0					0.00	0.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
K1028	0.55	76	21	16.42	6.25	40.88	31.25	27.15	37.50	3.17	0.00	0.00	0.00	68.75	75.00	1	26	0	3	2	1	0.00	0.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
K1033	7.41	60	31	28.36	7.00	25.86	19.00	8.27	12.00	32.72	5.09	0.56	4.50	31.00	42.50	1	23	14	3	2	1	7.41	229.71																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
K1104	1.97	53	22P	109.43	33.00	40.66	25.50	1.95	2.50	3.60	2.64	0.85	3.50	28.00	64.50	1	39	8	3	1	0					0.00	0.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
K1104	0.03	53	22PU	109.43	33.00	40.66	25.50	1.95	2.50	3.60	2.64	0.85	3.50	28.00	64.50	1	39	8	3	1	0					0.00	0.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
K1106	77.25	67	13	10.62	3.50	7.45	5.00	12.01	20.00	43.95	8.56	3.60	10.50	25.00	39.00	7	25	38	3	1	0					77.25	1,931.25																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
K1106	1.40	67	13U	10.62	3.50	7.45	5.00	12.01	20.00	43.95	8.56	3.60	10.50	25.00	39.00	7	25	38	3	1	0					1.40	35.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
K1113	0.01	57	10	44.97	11.50	11.71	7.50	9.33	14.00	23.60	2.17	1.00	3.00	21.50	36.00	5	24	13	3	1	0					0.00	0.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
K1115	7.46	65	31	15.93	4.00	9.93	7.50	19.00	33.00	4.65	0.86	0.90	2.00	40.50	46.50	2	29	6	3	1	1	7.46	302.13																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
K1117	9.49	82	26	9.74	2.00	6.14	4.50	22.72	39.00	18.08	7.37	1.65	6.50	43.50	52.00	2	24	24	3	1	1	9.49	412.82																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
K1117	0.03	82	26	9.74	2.00	6.14	4.50	22.72	39.00	18.08	7.37	1.65	6.50	43.50	52.00	2	24	24	3	1	1	0.03	1.31																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
K1122	21.96	83	21	27.11	8.00	15.02	11.50	14.89	24.00	10.92	7.57	5.91	14.50	35.50	58.00	1	22	31	3	1	1	21.96	779.58																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
K1122	0.15	83	21	27.11	8.00	15.02	11.50	14.89	24.00	10.92	7.57	5.91	14.50	35.50	58.00	1	22	31	3	1	1	0.15	5.33																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
pp110*	28.83	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					28.83	0.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
pp111*	5.60	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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
pp708*	14.95	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					14.95	0.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
pp709*	3.02	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					3.02	0.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
pp710*	2.09	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					2.09	0.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
pp711*	2.39	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					2.39	0.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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Appendix Table H-140. 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 **K11-04R, 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	
K1026	4.14	79	42**	11.29	2.50	1.57	1.00	5.40	8.00	29.06	12.99	8.59	22.00	9.00	33.50	7	18	76	3	2	3.03	PS					0.00	0.00	
K1028	0.55	76	21	16.42	6.25	40.88	31.25	27.15	37.50	3.17	0.00	0.00	0.00	68.75	75.00	1	26	0	3	2	4.80	CS	0.00	0.00					
K1033	7.41	60	31	28.36	7.00	25.86	19.00	8.27	12.00	32.72	5.09	0.56	4.50	31.00	42.50	1	23	14	3	2	3.87	PS					7.41	229.71	
K1104	1.97	53	22P	109.43	33.00	40.66	25.50	1.95	2.50	3.60	2.64	0.85	3.50	28.00	64.50	1	39	8	3	1	3.19	PS					0.00	0.00	
K1104	0.03	53	22PU	109.43	33.00	40.66	25.50	1.95	2.50	3.60	2.64	0.85	3.50	28.00	64.50	1	39	8	3	1	3.19	PS					0.00	0.00	
K1106	77.25	67	13	10.62	3.50	7.45	5.00	12.01	20.00	43.95	8.56	3.60	10.50	25.00	39.00	7	25	38	3	1	3.60	PS					77.25	1,931.25	
K1106	1.40	67	13U	10.62	3.50	7.45	5.00	12.01	20.00	43.95	8.56	3.60	10.50	25.00	39.00	7	25	38	3	1	3.60	PS					1.40	35.00	
K1113	0.01	57	10	44.97	11.50	11.71	7.50	9.33	14.00	23.60	2.17	1.00	3.00	21.50	36.00	5	24	13	3	1	3.40	PS					0.00	0.00	
K1115	7.46	65	31	15.93	4.00	9.93	7.50	19.00	33.00	4.65	0.86	0.90	2.00	40.50	46.50	2	29	6	3	1	4.65	CS	7.46	302.13					
K1117	9.49	82	26	9.74	2.00	6.14	4.50	22.72	39.00	18.08	7.37	1.65	6.50	43.50	52.00	2	24	24	3	1	4.46	CS	9.49	412.82					
K1117	0.03	82	26	9.74	2.00	6.14	4.50	22.72	39.00	18.08	7.37	1.65	6.50	43.50	52.00	2	24	24	3	1	4.46	CS	0.03	1.31					
K1122	21.96	93	21	27.11	8.00	15.02	11.50	14.89	24.00	10.92	7.57	5.91	14.50	35.50	58.00	1	22	31	3	1	4.17	PS					21.96	779.58	
K1122	0.15	93	21	27.11	8.00	15.02	11.50	14.89	24.00	10.92	7.57	5.91	14.50	35.50	58.00	1	22	31	3	1	4.17	PS					0.15	5.33	
pp110*	28.83	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					28.83	0.00	
pp111*	5.60	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					0.00	0.00	
pp708*	14.95	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					14.95	0.00	
pp709*	3.02	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					3.02	0.00	
pp710*	2.09	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					2.09	0.00	
pp711*	2.39	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					2.39	0.00	
188.73																								16.98	716.26	0.00	0.00	159.45	2,980.87

REMOVALS										Suitable Acreage						Future Potential			
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											
K1106	2009	64551	Construction Limits for Multi-purpose Training Range (MPTR)				32.87	821.75											
K1106	2009	65554	Construct Training Area Roads Paved				10.78	269.50											
K1106	2009	64551	Access Road for Multi-purpose Training Range (MPTR)				2.40	60.00											
K1115	2009	64551	Construction Limits for Multi-purpose Training Range (MPTR)	5.60		226.80													
K1115	2009	64551	Access Road for Multi-purpose Training Range (MPTR)	1.86		75.33													
K1117	2009	65554	Construct Training Area Roads Paved	1.83		79.61													
pp110*	2009	64551	Construction Limits for Multi-purpose Training Range (MPTR)				17.81	0.00											
pp110*	2009	65554	Construct Training Area Roads Paved				6.22	0.00											
pp708*	2009	65554	Construct Training Area Roads Paved				0.40	0.00											
TOTAL REMOVALS				9.29	381.74	0.00	0.00	70.48	1,151.25										

POST-PROJECT			2009	
	Acres	BA		
Suitable Habitat	7.69	334.52		
Potentially Suitable Habitat	0.00	0.00		
Future Potential Habitat	88.97	1,829.62		
TOTAL	96.66	2,164.14		

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	13 = Loblolly Pine-Hardwood	
3 = low, dense	13U = Loblolly Pine-Hardwood Underplanted	
4 = medium, sparse	21 = Longleaf Pine	
5 = tall, sparse	21P = Longleaf Pine Plantation	
6 = medium, moderate	22P = Loblolly Pine Plantation	
7 = tall, moderate	22PU = Loblolly Pine Plantation Underplanted	
8 = medium, dense	26 = Mixed Pine-Longleaf	
9 = tall, dense	31 = Loblolly Pine	
	42** = Upland Hardwood-Yellow Pine	
* Note: No pine data provided for stands less than 30 years of age.		
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-141. 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 **K12-01 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
K1212	83.19	69	21	1.82	0.50	10.62	8.00	21.56	35.00	0.00	0.00	0.00	0.00	43.00	43.50	1	42	0	0	0	1	83.19	3,577.17			27.06	392.37
K1404	27.06	56	26	9.51	2.50	6.16	5.00	6.73	9.50	3.04	2.20	0.68	2.50	14.50	19.50	1	33	18	3	1	0						
K1406	0.19	80	32	33.13	8.50	17.51	13.00	8.01	12.50	1.93	3.76	0.28	3.00	25.50	37.00	1	29	14	3	1	0					0.19	4.85
K1407	35.83	69	21	12.19	3.89	18.25	15.00	16.31	23.89	7.54	0.58	0.51	1.11	38.89	43.89	1	19	3	3	1	1	35.83	1,393.43				
K1407	0.03	69	21U	12.19	3.89	18.25	15.00	16.31	23.89	7.54	0.58	0.51	1.11	38.89	43.89	1	19	3	3	1	1	0.03	1.17				
K1409	9.84	59	31	4.67	2.00	3.41	3.00	28.71	42.00	0.00	0.00	0.00	0.00	45.00	47.00	1	20	0	3	1	1	9.84	442.80				
K1410	8.22	56	26	18.95	5.50	34.57	25.00	10.64	14.00	0.00	0.00	0.00	0.00	39.00	44.50	1	44	0	0	0	1	8.22	320.58				
pp270*	36.82	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					36.82	0.00
pp805*	1.20	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					1.20	0.00
	202.38																					137.11	5,735.15	0.00	0.00	65.27	397.22

REMOVALS							
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed
K1212	2011	64551	Beaten Area for Multi-purpose Training Range (MPTR)	43.90	1,887.70		
K1407	2011	64551	Beaten Area for Multi-purpose Training Range (MPTR)	1.92	74.67		
TOTAL REMOVALS				45.82	1,962.37	0.00	0.00

POST-PROJECT			2011
Suitable Habitat	Acres	BA	91.29 3,772.78
Potentially Suitable Habitat	0.00	0.00	
Future Potential Habitat	65.27	397.22	
TOTAL	156.56	4,170.00	

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:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
21U = Longleaf Pine Underplanted
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
32 = Shortleaf Pine

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

Appendix Table H-142. 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 **K12-01, 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																				
K1212	83.19	69	21	1.82	0.50	10.62	8.00	21.56	35.00	0.00	0.00	0.00	0.00	43.00	43.50	1	42	0	0	0	4.70	CS	83.19	3,577.17																								
K1404	27.06	56	26	9.51	2.50	6.16	5.00	6.73	9.50	3.04	2.20	0.68	2.50	14.50	19.50	1	33	18	3	1	3.41	PS					27.06	392.37																				
K1406	0.19	80	32	33.13	8.50	17.51	13.00	8.01	12.50	1.93	3.76	0.28	3.00	25.50	37.00	1	29	14	3	1	3.66	PS					0.19	4.85																				
K1407	35.83	69	21	12.19	3.89	18.25	15.00	16.31	23.89	7.54	0.58	0.51	1.11	38.89	43.89	1	19	3	3	1	2.62	PS					35.83	1,393.43																				
K1407	0.03	69	21U	12.19	3.89	18.25	15.00	16.31	23.89	7.54	0.58	0.51	1.11	38.89	43.89	1	19	3	3	1	2.62	PS					0.03	1.17																				
K1409	9.84	59	31	4.67	2.00	3.41	3.00	28.71	42.00	0.00	0.00	0.00	0.00	45.00	47.00	1	20	0	3	1	2.48	PS					9.84	442.80																				
K1410	8.22	56	26	18.95	5.50	34.57	25.00	10.64	14.00	0.00	0.00	0.00	0.00	39.00	44.50	1	44	0	0	0	4.08	PS					8.22	320.58																				
pp270*	36.82	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					36.82	0.00																				
pp805*	1.20	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					1.20	0.00																				
202.38																																											83.19	3,577.17	0.00	0.00	119.19	2,555.20

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
K1212	2011	64551	Beaten Area for Multi-purpose Training Range (MPTR)	43.90	1,887.70				
K1407	2011	64551	Beaten Area for Multi-purpose Training Range (MPTR)			1.92	74.67		
TOTAL REMOVALS				43.90	1,887.70	0.00	0.00	1.92	74.67

POST-PROJECT			2011	
Suitable Habitat	Acres	BA	39.29	1,689.47
Potentially Suitable Habitat	0.00	0.00		
Future Potential Habitat	117.27	2,480.53		
TOTAL	156.56	4,170.00		

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:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
21U = Longleaf Pine Underplanted
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
32 = Shortleaf Pine

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-143. 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 **K13-02 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
K1305	7.51	90	21	22.06	7.00	19.94	15.00	17.29	25.00	7.14	8.46	3.03	9.50	40.00	56.50	5	30	24	3	1	0			7.51	300.40		
K1307	5.00	81	42**	9.00	3.00	4.31	3.00	8.45	14.50	42.14	8.60	7.44	18.00	17.50	38.50	1	20	56	3	1	0					0.00	0.00
K1310	50.78	73	10	16.38	4.50	13.46	10.00	13.21	18.00	16.71	6.81	3.45	9.00	28.00	41.50	5	28	28	3	1	0					50.78	1,421.84
K1311	13.03	85	21	4.85	1.54	33.45	24.62	32.00	44.62	0.00	0.79	0.00	0.77	69.23	71.54	1	28	1	3	1	1	13.03	902.07				
K1312	32.05	85	31	15.68	5.00	13.02	9.00	26.59	42.00	16.26	6.13	3.05	9.00	51.00	65.00	1	26	19	3	1	1	32.05	1,634.55				
K1314	18.06	83	21	32.44	10.50	28.95	22.00	15.04	18.50	9.15	0.82	0.44	1.00	40.50	52.00	1	28	3	3	1	1	18.06	731.43				
K1320	29.33	85	31	22.56	7.50	25.10	18.00	15.51	20.50	3.64	1.47	1.27	2.50	38.50	48.50	1	27	6	3	1	1	29.33	1,129.21				
pp826*	0.81	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					0.81	0.00
pp827*	1.07	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					1.07	0.00
157.64																						92.47	4,397.26	7.51	300.40	52.66	1,421.84

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									
K1310	2011	64551	Beaten Area for Multi-purpose Training Range				0.29	20.08		17.51	490.28	
K1311	2011	64551	Beaten Area for Multi-purpose Training Range				10.70	545.70				
K1312	2011	64551	Beaten Area for Multi-purpose Training Range				18.06	731.43				
K1314	2011	64551	Beaten Area for Multi-purpose Training Range				29.33	1129.21				
K1320	2011	64551	Beaten Area for Multi-purpose Training Range							0.35	0.00	
pp826*	2011	64551	Beaten Area for Multi-purpose Training Range							1.07	0.00	
pp827*	2011	64551	Beaten Area for Multi-purpose Training Range									
TOTAL REMOVALS							58.38	2,426.42	0.00	0.00	18.93	490.28

POST-PROJECT			2011
Suitable Habitat	Acres	BA	
Potentially Suitable Habitat	34.09	1,970.84	
Future Potential Habitat	7.51	300.40	
TOTAL	33.73	931.56	
	75.33	3,202.80	

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
21 = Longleaf Pine
21P = Longleaf Pine Plantation
31 = Loblolly Pine
42* = Upland Hardwood-Yellow Pine (managed for hardwoods)

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

Appendix Table H-144. 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 **K13-02, 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	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
K1305	7.51	90	21	22.06	7.00	19.94	15.00	17.29	25.00	7.14	8.46	3.03	9.50	40.00	56.50	5	30	24	3	1	4.06	PS					7.51	300.40
K1307	5.00	81	42**	9.00	3.00	4.31	3.00	8.45	14.50	42.14	8.60	7.44	18.00	17.50	38.50	1	20	56	3	1	3.36	NH					0.00	0.00
K1310	50.78	73	10	16.38	4.50	13.46	10.00	13.21	18.00	16.71	6.81	3.45	9.00	28.00	41.50	5	28	28	3	1	3.84	PS					50.78	1,421.84
K1311	13.03	85	21	4.85	1.54	33.45	24.62	32.00	44.62	0.00	0.79	0.00	0.77	69.23	71.54	1	28	1	3	1	4.65	CS	13.03	902.07				
K1312	32.05	85	31	15.68	5.00	13.02	9.00	26.59	42.00	16.26	6.13	3.05	9.00	51.00	65.00	1	26	19	3	1	4.52	CS	32.05	1,634.55				
K1314	18.06	83	21	32.44	10.50	28.95	22.00	15.04	18.50	9.15	0.82	0.44	1.00	40.50	52.00	1	28	3	3	1	4.30	PS					18.06	731.43
K1320	29.33	85	31	22.56	7.50	25.10	18.00	15.51	20.50	3.64	1.47	1.27	2.50	38.50	48.50	1	27	6	3	1	4.43	PS					29.33	1,129.21
pp826*	0.81	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	1.91	NH					0.81	0.00
pp827*	1.07	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	1.91	NH					1.07	0.00
157.64																							45.08	2,536.62	0.00	0.00	107.56	3,582.88

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	Removed	Acreage Removed	BA Removed
K1310	2011	64551	Beaten Area for Multi-purpose Training Range						17.51	490.28
K1311	2011	64551	Beaten Area for Multi-purpose Training Range	0.29		20.08				
K1312	2011	64551	Beaten Area for Multi-purpose Training Range	10.70		545.70				
K1314	2011	64551	Beaten Area for Multi-purpose Training Range						18.06	731.43
K1320	2011	64551	Beaten Area for Multi-purpose Training Range						29.33	1,129.21
pp826*	2011	64551	Beaten Area for Multi-purpose Training Range						0.35	0.00
pp827*	2011	64551	Beaten Area for Multi-purpose Training Range						1.07	0.00
TOTAL REMOVALS				10.99	565.78	0.00	0.00	66.32	2,350.92	

POST-PROJECT		2011	
Suitable Habitat	Acres	BA	
Potentially Suitable Habitat	34.09	1,970.84	
Future Potential Habitat	0.00	0.00	
TOTAL	41.24	1,231.97	
	75.33	3,202.81	

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	31 = Loblolly Pine	
5 = tall, sparse	42** = Upland Hardwood Yellow Pine (managed for hardwoods)	
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-145. 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 **K13-04 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	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
K1309	1.23	65	13	34.66	10.00	21.25	15.50	16.57	22.00	16.95	5.10	3.44	8.50	37.50	56.00	1	23	18	3	1	1	1.23	46.13				
K1310	25.72	73	10	16.38	4.50	13.46	10.00	13.21	18.00	16.71	6.81	3.45	9.00	28.00	41.50	5	28	28	3	1	0					25.72	720.16
K1316	15.14	43	31	103.86	31.00	45.61	32.00	11.66	15.50	7.74	6.01	0.69	4.50	47.50	83.00	1	25	10	3	1	0			15.14	719.15		
K1317	26.63	137	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					26.63	0.00
K1322	11.54	52	31	65.13	18.33	19.67	13.89	13.54	20.00	4.13	0.92	0.41	1.11	33.89	53.33	1	29	4	3	1	1	11.54	391.09				
K1323	41.30	52	21	14.92	5.00	10.96	8.00	15.74	24.50	3.03	1.26	2.05	4.00	32.50	41.50	1	25	11	3	1	1	41.30	1,342.25				
K1324	24.90	40	31	87.02	24.50	38.13	26.50	12.92	19.00	19.92	1.12	1.11	2.50	45.50	72.50	1	22	4	3	1	0			24.90	1,132.95		
K1329	0.70	66	31	21.88	7.50	20.06	13.50	21.64	33.50	3.19	1.52	1.04	2.50	47.00	57.00	5	30	6	3	1	0			0.70	32.90		
K1330	26.09	41	25P	159.25	46.50	39.81	26.50	2.22	3.00	0.00	0.00	0.00	0.00	29.50	76.00	1	25	0	3	1	0					0.00	0.00
pp602*	2.53	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					0.00	0.00
pp603*	8.27	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					0.00	0.00
pp826*	28.70	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					28.70	0.00
pp827*	2.99	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					2.99	0.00
215.74																						54.07	1,779.47	40.74	1,885.00	84.04	720.16

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
K1317	2011	64551	Beaten Area for Multi-purpose Training Range (MPTR)					3.12	0.00
K1322	2011	64551	Beaten Area for Multi-purpose Training Range (MPTR)	3.71	125.73				
K1323	2011	64551	Beaten Area for Multi-purpose Training Range (MPTR)	33.29	1,081.93				
K1324	2011	64551	Beaten Area for Multi-purpose Training Range (MPTR)			24.90	1,132.95		
pp826*	2011	64551	Beaten Area for Multi-purpose Training Range (MPTR)					25.76	0.00
pp827*	2011	64551	Beaten Area for Multi-purpose Training Range (MPTR)					2.99	0.00
TOTAL REMOVALS				37.00	1,207.66	24.90	1,132.95	31.87	0.00

POST-PROJECT		
	2011	
Suitable Habitat	17.07	571.81
Potentially Suitable Habitat	15.84	752.05
Future Potential Habitat	52.17	720.16
TOTAL	85.08	2,044.02

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
25P = Mixed Pine Plantation
31 = Loblolly Pine
ND = no data provided

* 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-146. 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**K13-04, 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	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
K1309	1.23	65	13	34.66	10.00	21.25	15.50	16.57	22.00	16.95	5.10	3.44	8.50	37.50	56.00	1	23	18	3	1	4.25	PS					1.23	46.13
K1310	25.72	73	10	16.38	4.50	13.46	10.00	13.21	18.00	16.71	6.81	3.45	9.00	28.00	41.50	5	28	28	3	1	3.84	PS					25.72	720.16
K1316	15.14	43	31	103.86	31.00	45.61	32.00	11.66	15.50	7.74	6.01	0.69	4.50	47.50	83.00	1	25	10	3	1	3.71	PS					15.14	719.15
K1317	26.63	137	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					26.63	0.00
K1322	11.54	52	31	65.13	18.33	19.67	13.89	13.54	20.00	4.13	0.92	0.41	1.11	33.89	53.33	1	29	4	3	1	3.65	PS					11.54	391.09
K1323	41.30	52	21	14.92	5.00	10.96	8.00	15.74	24.50	3.03	1.26	2.05	4.00	32.50	41.50	1	25	11	3	1	4.19	PS					41.30	1,342.25
K1324	24.90	40	31	87.02	24.50	38.13	26.50	12.92	19.00	19.92	1.12	1.11	2.50	45.50	72.50	1	22	4	3	1	3.49	PS					24.90	1,132.95
K1329	0.70	66	31	21.88	7.50	20.06	13.50	21.64	33.50	3.19	1.52	1.04	2.50	47.00	57.00	5	30	6	3	1	4.51	PS			0.70	32.90		
K1330	26.09	41	25P	159.25	46.50	39.81	26.50	2.22	3.00	0.00	0.00	0.00	0.00	29.50	76.00	1	25	0	3	1	2.95	PS					0.00	0.00
pp602*	2.53	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					0.00	0.00
pp603*	8.27	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					0.00	0.00
pp826*	28.70	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	1.91	NH					28.70	0.00
pp827*	2.99	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	1.91	NH					2.99	0.00
215.74																							0.00	0.00	0.70	32.90	178.15	4,351.73

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
K1317	2011	64551	Beaten Area for Multi-purpose Training Range (MPTR)					3.12	0.00
K1322	2011	64551	Beaten Area for Multi-purpose Training Range (MPTR)					3.71	125.73
K1323	2011	64551	Beaten Area for Multi-purpose Training Range (MPTR)					33.29	1,081.93
K1324	2011	64551	Beaten Area for Multi-purpose Training Range (MPTR)					24.90	1,132.95
pp826*	2011	64551	Beaten Area for Multi-purpose Training Range (MPTR)					25.76	0.00
pp827*	2011	64551	Beaten Area for Multi-purpose Training Range (MPTR)					2.99	0.00
TOTAL REMOVALS				0.00	0.00	0.00	0.00	93.77	2,340.61

POST-PROJECT		
	2011	
Suitable Habitat	Acres	BA
	0.00	0.00
Potentially Suitable Habitat	0.70	32.90
Future Potential Habitat	84.38	2,011.12
TOTAL	85.08	2,044.02

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	21 = Longleaf Pine	
4 = medium, sparse	21P = Longleaf Pine Plantation	
5 = tall, sparse	25P = Mixed Pine Plantation	
6 = medium, moderate	31 = Loblolly Pine	
7 = tall, moderate	ND = no data provided	
8 = medium, dense		
9 = tall, dense		
* Note: No pine data was collected for pine plantation stands less than 30 years old.		
Non-configurable 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-147. 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 **K13-05R 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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
K0820	0.45	73	31	9.82	2.50	12.26	10.00	21.62	32.50	3.88	3.76	2.51	5.50	42.50	50.50	2	40	16	3	1	1	0.45	19.13			0.00	0.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
K0921	18.75	61	66**	21.55	6.32	6.07	4.74	7.21	10.53	18.27	9.63	4.38	13.68	15.26	35.26	2	22	51	3	2	0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
K1201	9.38	61	21	15.62	4.50	4.23	3.00	2.02	2.50	20.61	6.97	0.30	5.50	5.50	15.50	5	45	54	0	0	0				9.38	51.59																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
K1302	13.97	101	21	13.37	4.21	21.85	15.26	22.37	38.42	10.19	0.55	0.47	1.05	53.68	58.95	1	21	2	3	1	1	13.97	749.91																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
K1303	44.91	81	21	16.65	5.00	11.89	8.50	10.46	14.00	16.20	8.08	3.37	11.00	22.50	38.50	2	20	34	3	1	0					44.91	1,010.48																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
K1307	18.66	81	42**	9.00	3.00	4.31	3.00	8.45	14.50	42.14	8.60	7.44	18.00	17.50	38.50	1	20	56	3	1	0				0.00	0.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
K1308	22.90	81	21	25.99	9.00	27.80	19.50	18.72	24.00	12.12	4.12	2.50	5.50	43.50	58.00	2	18	12	3	1	1	22.90	996.15																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
K1312	5.18	85	31	15.68	5.00	13.02	9.00	26.59	42.00	16.26	6.13	3.05	9.00	51.00	65.00	1	26	19	3	1	1	5.18	264.18																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
K1314	12.57	83	21	32.44	10.50	28.95	22.00	15.04	18.50	9.15	0.82	0.44	1.00	40.50	52.00	1	28	3	3	1	1	12.57	509.09																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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Appendix Table H-148. 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 **K13-05R, 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
K0820	0.45	73	31	9.82	2.50	12.26	10.00	21.62	32.50	3.88	3.76	2.51	5.50	42.50	50.50	2	40	16	3	1	4.79	CS	0.45	19.13				
K0921	18.75	61	66**	21.55	6.32	6.07	4.74	7.21	10.53	18.27	9.63	4.38	13.68	15.26	35.26	2	22	51	3	2	3.60	PS					0.00	0.00
K1201	9.38	61	21	15.62	4.50	4.23	3.00	2.02	2.50	20.61	6.97	0.30	5.50	5.50	15.50	5	45	54	0	0	2.85	PS					9.38	51.59
K1302	13.97	101	21	13.37	4.21	21.85	15.26	22.37	38.42	10.19	0.55	0.47	1.05	53.68	58.95	1	21	2	3	1	4.65	CS	13.97	749.91				
K1303	44.91	81	21	16.65	5.00	11.89	8.50	10.46	14.00	16.20	8.08	3.37	11.00	22.50	38.50	2	20	34	3	1	3.66	PS					44.91	1,010.48
K1307	18.66	81	42**	9.00	3.00	4.31	3.00	8.45	14.50	42.14	8.60	7.44	18.00	17.50	38.50	1	20	56	3	1	3.36	PS					0.00	0.00
K1308	22.90	81	21	25.89	9.00	27.80	19.50	18.72	24.00	12.12	4.12	2.50	5.50	43.50	58.00	2	18	12	3	1	4.47	PS			22.90	996.15		
K1312	5.18	85	31	15.68	5.00	13.02	9.00	26.59	42.00	16.26	6.13	3.05	9.00	51.00	65.00	1	26	19	3	1	4.52	CS	5.18	264.18				
K1314	12.57	83	21	32.44	10.50	28.95	22.00	15.04	18.50	9.15	0.82	0.44	1.00	40.50	52.00	1	28	3	3	1	4.30	PS					12.57	509.09
146.77																							19.60	1,033.22	22.90	996.15	66.86	1,571.16

REMOVALS							
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed
K1201	2011	64551	Beaten Area for Multi-purpose Training Range (MPTR)				
K1303	2011	64551	Beaten Area for Multi-purpose Training Range (MPTR)				
K1312	2011	64551	Beaten Area for Multi-purpose Training Range (MPTR)	0.25	12.75		
K1314	2011	64551	Beaten Area for Multi-purpose Training Range (MPTR)				
TOTAL REMOVALS				0.25	12.75	0.00	0.00

POST-PROJECT			2011	
Suitable Habitat	Acres	BA		
Potentially Suitable Habitat	19.35	1,020.47		
Future Potential Habitat	22.90	996.15		
TOTAL	42.25	2,016.62		

Key:		
BA= basal area	Type Burn:	Suitability
dbh= diameter at breast height	0=no data available	CS= currently suitable
hwds= hardwood	1=non-growing season	PS= potentially suitable
hgcs= herbaceous ground cover	2=growing season	NH= non-habitat
Hardwood Midstory:	Forest Type:	
1= low, sparse	21= Longleaf Pine	
2= low, moderate	31= Loblolly Pine	
3= low, dense	42**= Upland Hardwood-Yellow Pine	
4= medium, sparse	(managed for hardwoods)	
5= tall, sparse	66**= Oak-Hickory (managed for hardwoods)	
6= medium, moderate		
7= tall, moderate		
8= medium, dense		
9= tall, dense		

Appendix Table H-149. 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 **K13-06 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)	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																					
K0729	2.78	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				2.78	0.00																						
K1315	12.03	46	31	115.64	31.50	22.71	16.00	13.24	20.50	4.43	5.57	1.37	5.50	36.50	73.50	5	28	16	3	1	0			12.03	439.10																							
K1316	0.51	43	31	103.86	31.00	45.61	32.00	11.66	15.50	7.74	6.01	0.69	4.50	47.50	83.00	1	25	10	3	1	0			0.00	0.00																							
K1322	6.77	52	31	65.13	18.33	19.67	13.89	13.54	20.00	4.13	0.92	0.41	1.11	33.89	53.33	1	29	4	3	1	1	6.77	229.44																									
K1323	15.45	52	21	14.92	5.00	10.96	8.00	15.74	24.50	3.03	1.26	2.05	4.00	32.50	41.50	1	25	11	3	1	1	15.45	502.13																									
K1327	11.53	70	31	12.45	3.64	21.57	16.36	15.62	21.82	0.00	3.65	0.60	3.64	38.18	45.45	2	28	10	3	1	1	11.53	440.22																									
K1328	41.60	70	31	27.75	6.67	12.71	9.44	17.34	26.11	5.69	0.00	0.00	0.00	35.56	42.22	4	25	0	3	1	0			41.60	1,479.30																							
K1329	75.85	66	31	21.88	7.50	20.06	13.50	21.64	33.50	3.19	1.52	1.04	2.50	47.00	57.00	5	30	6	3	1	0			75.85	3,564.95																							
K1330	13.97	41	25P	159.25	46.50	39.81	26.50	2.22	3.00	0.00	0.00	0.00	0.00	29.50	76.00	1	25	0	3	1	0				0.00	0.00																						
K1334	21.14	43	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				21.14	0.00																						
pp419*	13.85	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				13.85	0.00																						
pp603*	0.01	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				0.00	0.00																						
pp828*	3.37	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				3.37	0.00																						
pp829*	5.56	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				5.56	0.00																						
224.42																																											33.75	1,171.79	129.48	5,483.35	46.70	0.00

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
K1328	2010	65557	Repair Existing Training Area Roads, Phase 1		0.63	22.40		
K1334	2010	65557	Repair Existing Training Area Roads, Phase 1				1.87	0.00
pp828*	2010	65557	Repair Existing Training Area Roads, Phase 1				1.43	0.00
pp829*	2010	65557	Repair Existing Training Area Roads, Phase 1				1.35	0.00
TOTAL REMOVALS				0.00	0.63	22.40	4.65	0.00

POST-PROJECT		
	2010	
Suitable Habitat	33.75	1,171.79
Potentially Suitable Habitat	128.85	5,460.95
Future Potential Habitat	42.05	0.00
TOTAL	204.65	6,632.74

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	25P = Mixed Pine Plantation	
4 = medium, sparse	31 = Loblolly Pine	
5 = tall, sparse	NM = not managed	
6 = medium, moderate	ND = no data provided	
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-150. 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 **K13-06, 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)	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
K0729	2.78	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					2.78	0.00
K1315	12.03	46	31	115.64	31.50	22.71	16.00	13.24	20.50	4.43	5.57	1.37	5.50	36.50	73.50	5	28	16	3	1	3.66	PS					12.03	439.10
K1316	0.51	43	31	103.86	31.00	45.61	32.00	11.66	15.50	7.74	6.01	0.69	4.50	47.50	83.00	1	25	10	3	1	3.71	PS					0.00	0.00
K1322	6.77	52	31	65.13	18.33	19.67	13.89	13.54	20.00	4.13	0.92	0.41	1.11	33.89	53.33	1	29	4	3	1	3.65	PS					6.77	229.44
K1323	15.45	52	21	14.92	5.00	10.96	8.00	15.74	24.50	3.03	1.26	2.05	4.00	32.50	41.50	1	25	11	3	1	4.19	PS					15.45	502.13
K1327	11.53	70	31	12.45	3.64	21.57	16.36	15.62	21.82	0.00	3.65	0.60	3.64	38.18	45.45	2	28	10	3	1	4.38	PS					11.53	440.22
K1328	41.60	70	31	27.75	6.67	12.71	9.44	17.34	26.11	5.69	0.00	0.00	0.00	35.56	42.22	4	25	0	3	1	4.30	PS					41.60	1,479.30
K1329	75.85	66	31	21.88	7.50	20.06	13.50	21.64	33.50	3.19	1.52	1.04	2.50	47.00	57.00	5	30	6	3	1	4.51	PS			75.85	3,564.95		
K1330	13.97	41	25P	159.25	46.50	39.81	26.50	2.22	3.00	0.00	0.00	0.00	0.00	29.50	76.00	1	25	0	3	1	2.95	PS					0.00	0.00
K1334	21.14	43	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	2.34	PS					21.14	0.00
pp419*	13.85	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					13.85	0.00
pp603*	0.01	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					0.00	0.00
pp828*	3.37	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	1.91	NH					3.37	0.00
pp829*	5.56	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					5.56	0.00
224.42																												

REMOVALS								
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Potentially Suitable BA Removed	Potentially Suitable Acreage Removed	Future Potential Acreage Removed	Future Potential BA Removed
K1328	2010	65557	Repair Existing Training Area Roads, Phase 1				0.63	22.40
K1334	2010	65557	Repair Existing Training Area Roads, Phase 1				1.87	0.00
pp828*	2010	65557	Repair Existing Training Area Roads, Phase 1				1.43	0.00
pp829*	2010	65557	Repair Existing Training Area Roads, Phase 1				1.35	0.00
TOTAL REMOVALS				0.00	0.00	0.00	5.28	22.40

POST-PROJECT		
	2009	BA
Suitable Habitat	0.00	0.00
Potentially Suitable Habitat	75.85	3,564.95
Future Potential Habitat	128.80	3,067.79
TOTAL	204.65	6,632.74

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	25P = Mixed Pine Plantation	
4 = medium, sparse	31 = Loblolly Pine	
5 = tall, sparse	NM = not managed	
6 = medium, moderate	ND = no data provided	
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-151. 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 **K21-02R 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
K1819	76.49	42	31	19.17	6.00	12.52	9.00	7.99	10.00	10.92	0.85	0.50	1.00	19.00	26.00	1	37	6	3	1	0					0.00	0.00
K1820	6.72	51	21	36.36	12.00	31.91	22.00	6.83	9.50	4.51	0.00	0.00	0.00	31.50	43.50	1	29	0	3	1	1	0.00	0.00				
K2102	97.16	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	97.16	3,784.38				
K2103	51.25	87	21	17.50	4.50	13.19	10.00	25.81	41.50	0.00	0.00	0.72	2.00	51.50	58.00	1	30	2	3	1	1	51.25	2,639.38				
K2104	21.76	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	21.76	892.16				
K2106	4.85	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	1	4.85	194.00				
K2214	0.01	40	31	65.42	17.50	34.64	23.50	10.13	14.00	17.30	3.80	1.37	4.50	37.50	59.50	1	23	10	3	1	1	0.00	0.00				
K2219	33.15	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				33.15	780.02	
291.39																						175.02	7,509.92	0.00	0.00	33.15	780.02
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													
K2102	2009	69743	Southern Training Area Infrastructure-Maneuver Area	16.75		652.41																					
K2104	2009	69743	Southern Training Area Infrastructure-Maneuver Area	15.03		616.23																					
K2106	2009	69743	Southern Training Area Infrastructure-Maneuver Area	0.41		16.40																					
K2219	2009	69743	Southern Training Area Infrastructure-Maneuver Area									4.66		109.65													
TOTAL REMOVALS				32.19		1,285.04		0.00		0.00		4.66		109.65													
POST-PROJECT				2009																							
				Acres	BA																						
Suitable Habitat				142.83	6,224.88																						
Potentially Suitable Habitat				0.00	0.00																						
Future Potential Habitat				28.49	870.37																						
TOTAL				171.32	6,895.25																						

Appendix Table H-152. 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 **K21-02R, 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	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA				
K1819	76.49	42	31	19.17	6.00	12.52	9.00	7.99	10.00	10.92	0.85	0.50	1.00	19.00	26.00	1	37	6	3	1	3.53	PS					0.00	0.00				
K1820	6.72	51	21	36.36	12.00	31.91	22.00	6.83	9.50	4.51	0.00	0.00	0.00	31.50	43.50	1	29	0	3	1	3.47	PS					0.00	0.00				
K2102	97.16	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	4.20	PS					97.16	3,784.38				
K2103	51.25	87	21	17.50	4.50	13.19	10.00	25.81	41.50	0.00	0.00	0.72	2.00	51.50	58.00	1	30	2	3	1	4.65	CS	51.25	2,639.38								
K2104	21.76	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	4.70	PS					21.76	892.16				
K2106	4.85	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	4.46	PS					4.85	194.00				
K2214	0.01	40	31	65.42	17.50	34.64	23.50	10.13	14.00	17.30	3.80	1.37	4.50	37.50	59.50	1	23	10	3	1	3.57	PS					0.00	0.00				
K2219	33.15	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	3.94	PS					33.15	780.02				
291.39																											51.25	2,639.38	0.00	0.00	156.92	5,650.56
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																							
K2102	2009	69743	Southern Training Area Infrastructure-Maneuver Area					16.75	652.41																							
K2104	2009	69743	Southern Training Area Infrastructure-Maneuver Area					15.03	616.23																							
K2106	2009	69743	Southern Training Area Infrastructure-Maneuver Area					0.41	16.40																							
K2219	2009	69743	Southern Training Area Infrastructure-Maneuver Area					4.66	109.65																							
TOTAL REMOVALS				0.00	0.00	0.00	0.00	36.85	1,394.69																							
POST-PROJECT																																
				2009																												
Suitable Habitat				Acres	BA																											
Potentially Suitable Habitat				0.00	0.00 <th colspan="22"></th>																											
Future Potential Habitat				120.07	4,255.87 <th colspan="22"></th>																											
TOTAL				171.32	6,895.25																											
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										31 = Loblolly Pine																						
3 = low, dense																																
4 = medium, sparse																																
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.																																
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-153. 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 **K21-05R 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																					
F0201	3.32	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	1	3.32	166.00																									
F0202	8.49	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	1	8.49	305.64																									
F0203	0.03	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					0.03	0.57																					
F0205	1.93	64	13	2.90	1.43	10.34	7.14	18.39	30.00	9.04	0.00	1.83	2.86	37.14	41.43	2	9	6	3	1	1	1.93	71.68																									
K2103	2.30	87	21	17.50	4.50	13.19	10.00	25.81	41.50	0.00	0.00	0.72	2.00	51.50	58.00	1	30	2	3	1	1	2.30	118.45																									
K2104	4.96	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	4.96	203.36																									
K2106	110.04	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	1	110.04	4,401.60																									
K2108	90.06	62	31	10.27	2.11	16.79	12.63	21.05	32.63	12.26	4.37	2.35	6.84	45.26	54.21	1	15	15	3	1	1	90.06	4,076.12																									
K2109	2.42	82	31	39.58	12.00	28.84	19.50	18.35	27.00	1.77	0.00	1.62	2.50	46.50	61.00	1	22	3	3	1	1	2.42	112.53																									
K2111	10.89	67	21	17.48	3.68	10.76	7.89	13.19	21.58	10.44	8.37	6.93	17.89	29.47	51.05	2	28	39	3	1	0					10.89	320.93																					
K2113	17.06	65	21	6.16	2.50	16.14	13.00	24.23	36.00	1.51	0.74	1.17	3.50	49.00	55.00	1	33	5	3	1	1	17.06	835.94																									
K2115	4.80	65	21	2.46	0.50	20.86	15.50	12.74	18.50	5.73	0.94	3.01	6.00	34.00	40.50	1	28	10	3	1	1	4.80	163.20																									
pp1042	2.11	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					2.11	0.00																					
pp1044	14.36	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					14.36	0.00																					
																																										245.38	10,454.52	0.00	0.00	27.39	321.50	

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						
F0201	2009	69743	Southern Training Area Infrastructure-Maneuver Area	1.92	96.00										
F0202	2009	69743	Southern Training Area Infrastructure-Maneuver Area	7.04	253.44										
F0203	2009	69743	Southern Training Area Infrastructure-Maneuver Area					0.03	0.57						
F0205	2009	69743	Southern Training Area Infrastructure-Maneuver Area	0.86	31.94										
K2104	2009	69743	Southern Training Area Infrastructure-Maneuver Area	4.95	202.95										
K2106	2009	69743	Southern Training Area Infrastructure-Maneuver Area	42.05	1,682.00										
K2108	2009	69743	Southern Training Area Infrastructure-Maneuver Area	2.39	108.17										
2009 SUB-TOTAL				59.21	2,374.50	0.00	0.00	0.03	0.57						
F0201	2010	65557	Repair Existing Training Area Roads, Phase 1	1.40	70.00										
F0202	2010	65557	Repair Existing Training Area Roads, Phase 1	1.45	52.20										
F0205	2010	65557	Repair Existing Training Area Roads, Phase 1	1.06	39.37										
K2104	2010	65557	Repair Existing Training Area Roads, Phase 1	0.01	0.41										
K2106	2010	65557	Repair Existing Training Area Roads, Phase 1	4.12	164.80										
K2108	2010	65557	Repair Existing Training Area Roads, Phase 1	1.53	69.25										
2010 SUB-TOTAL				9.57	396.03	0.00	0.00	0.00	0.00						
TOTAL REMOVALS				68.78	2,770.53	0.00	0.00	0.03	0.57						

POST-PROJECT											
		2009		2010							
		Acres	BA	Acres	BA						
Suitable Habitat		186.17	8,080.02	176.60	7,683.99						
Potentially Suitable Habitat		0.00	0.00	0.00	0.00						
Future Potential Habitat		27.36	320.93	27.36	320.93						
TOTAL		213.53	8,400.95	203.96	8,004.92						

Key:

BA = basal area Type Burn: Stand Score

dbh = diameter at breast height dbn = 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 22P = Slash Pine Plantation

6 = medium, moderate 25 = Mixed Pine

7 = tall, moderate 31 = Loblolly Pine

8 = medium, dense

9 = tall, dense

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

Appendix Table H-154. 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 **K21-05R, 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
F0201	3.32	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	4.27	PS					3.32	166.00
F0202	8.49	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	4.17	PS					8.49	305.64
F0203	0.03	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	3.47	PS					0.03	0.57
F0205	1.93	64	13	2.90	1.43	10.34	7.14	18.39	30.00	9.04	0.00	1.83	2.86	37.14	41.43	2	9	6	3	1	4.39	CS	1.93	71.68				
K2103	2.30	87	21	17.50	4.50	13.19	10.00	25.81	41.50	0.00	0.00	0.72	2.00	51.50	58.00	1	30	2	3	1	4.65	CS	2.30	118.45				
K2104	4.96	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	4.70	PS					4.96	203.36
K2106	110.04	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	4.46	PS					110.04	4,401.60
K2108	90.06	62	31	10.27	2.11	16.79	12.63	21.05	32.63	12.26	4.37	2.35	6.84	45.26	54.21	1	15	15	3	1	4.48	CS	90.06	4,076.12				
K2109	2.42	82	31	39.58	12.00	28.84	19.50	18.35	27.00	1.77	0.00	1.62	2.50	46.50	61.00	1	22	3	3	1	4.58	PS			2.42	112.53		
K2111	10.89	67	21	17.48	3.68	10.76	7.89	13.19	21.58	10.44	8.37	6.93	17.89	29.47	51.05	2	28	39	3	1	4.14	PS					10.89	320.93
K2113	17.06	65	21	6.16	2.50	16.14	13.00	24.23	36.00	1.51	0.74	1.17	3.50	49.00	55.00	1	33	5	3	1	4.75	CS	17.06	835.94				
K2115	4.80	65	21	2.46	0.50	20.86	15.50	12.74	18.50	5.73	0.94	3.01	6.00	34.00	40.50	1	28	10	3	1	4.09	PS					4.80	163.20
pp1042*	2.11	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					2.11	0.00
pp1044*	14.36	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					14.36	0.00
272.77																							111.35	5,102.19	2.42	112.53	159.00	5,561.30

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																									
F0201	2009	69743	Southern Training Area Infrastructure-Maneuver Area																									
F0202	2009	69743	Southern Training Area Infrastructure-Maneuver Area																									
F0203	2009	69743	Southern Training Area Infrastructure-Maneuver Area																									
F0205	2009	69743	Southern Training Area Infrastructure-Maneuver Area							0.86				31.94														
K2104	2009	69743	Southern Training Area Infrastructure-Maneuver Area																									
K2106	2009	69743	Southern Training Area Infrastructure-Maneuver Area																									
K2108	2009	69743	Southern Training Area Infrastructure-Maneuver Area							2.39				108.17														
2009 SUB-TOTAL										3.25				140.11		0.00		0.00		55.99		2,234.96						
F0201	2010	65557	Repair Existing Training Area Roads, Phase 1																									
F0202	2010	65557	Repair Existing Training Area Roads, Phase 1																									
F0205	2010	65557	Repair Existing Training Area Roads, Phase 1							1.06				39.37														
K2104	2010	65557	Repair Existing Training Area Roads, Phase 1																									
K2106	2010	65557	Repair Existing Training Area Roads, Phase 1																									
K2108	2010	65557	Repair Existing Training Area Roads, Phase 1							1.53				69.25														
2010 SUB-TOTAL										2.59				108.62		0.00		0.00		6.98		287.41						
TOTAL REMOVALS										5.84				248.73		0.00		0.00		62.97		2,522.37						

POST-PROJECT				2009				2010			
Suitable Habitat	Acres	BA		108.10	4,962.08			105.51	4,853.46		
Potentially Suitable Habitat	2.42	112.53						2.42	112.53		
Future Potential Habitat	103.01	3,326.34						96.03	3,038.93		
TOTAL	213.53	8,400.95						203.96	8,004.92		

Key:

BA= basal area

dbh= diameter at breast height

hwd= hardwood

hgc= herbaceous ground cover

Hardwood Midstory:

1 = low, sparse

2 = low, moderate

Type Burn:

0=no data available

1=non-growing season

2=growing season

Forest Type:

10 = Yellow Pine-Upland Hardwood

13 = Loblolly Pine-Hardwood

Suitability

CS= currently suitable

PS= potentially suitable

NH= non-habitat

Legend:

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
11 = Loblolly Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
22P = Slash Pine Plantation
25 = Mixed Pine
31 = Loblolly Pine

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

Appendix Table H-155. 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 **KPR-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
E0101	25.69	87	31	21.13	6.00	10.30	7.50	23.66	38.50	13.12	5.79	2.52	8.50	46.00	60.50	2	30	20	3	1	1	25.69	1,181.74				
E0204	0.17	51	25	26.40	7.00	15.88	11.50	12.86	23.00	10.53	2.72	3.20	7.50	34.50	49.00	2	22	17	3	1	1	0.17	5.87				
E0206	15.81	51	21	21.75	6.00	21.09	15.50	7.99	11.00	3.95	6.80	2.94	8.50	26.50	41.00	2	32	25	3	1	0					15.81	418.97
E0207	0.12	51	13	1.13	0.50	3.16	2.50	10.51	21.00	14.82	11.15	14.92	36.50	23.50	60.50	6	11	66	3	1	0					0.12	2.82
KPR01	34.73	87	26	24.09	6.00	15.97	12.50	25.74	39.50	7.58	1.14	0.00	1.00	52.00	59.00	9	61	3	3	1	0			34.73	1,805.96		
KPR02	18.75	51	10	4.81	2.00	6.88	5.50	21.90	39.50	25.27	7.30	5.02	12.50	45.00	59.50	1	26	30	3	1	1	18.75	843.75				
pp307*	1.26	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					0.00	0.00
pp340*	3.99	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
pp634*	8.10	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					8.10	0.00
T0713	5.21	12	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	0	0	0					0.00	0.00
T0714	33.02	42	31	40.22	11.67	16.70	12.22	13.79	20.00	4.17	1.61	1.20	2.78	32.22	46.67	5	32	8	0	0	0			33.02	1,063.90		
T0719	3.47	36	31	64.39	14.29	8.57	5.71	10.88	17.14	18.19	8.36	2.63	10.00	22.86	47.14	1	54	36	0	0	0					3.47	79.32
T0721	37.42	42	31	27.92	7.00	36.21	24.50	30.21	42.00	19.84	7.17	2.99	8.50	66.50	82.00	1	12	13	0	0	1	37.42	2,488.43				
187.74																						82.03	4,519.79	67.75	2,869.86	27.50	501.11

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
E0101	2010	65557	Repair Existing Training Area Roads, Phase 1	3.28	150.88				
E0206	2010	65557	Repair Existing Training Area Roads, Phase 1					2.63	69.70
KPR01	2010	65557	Repair Existing Training Area Roads, Phase 1			3.51	182.52		
KPR02	2010	65557	Repair Existing Training Area Roads, Phase 1	1.35	60.75				
T0714	2010	65557	Repair Existing Training Area Roads, Phase 1			4.29	138.22		
T0719	2010	65557	Repair Existing Training Area Roads, Phase 1					0.59	13.49
T0721	2010	65557	Repair Existing Training Area Roads, Phase 1	6.00	399.00				
TOTAL REMOVALS				10.63	610.63	7.80	320.74	3.22	83.19

POST-PROJECT			2010
Suitable Habitat	Acres	BA	71.40 3,909.16
Potentially Suitable Habitat	59.95	2,549.12	
Future Potential Habitat	24.28	417.92	
TOTAL	155.63	6,876.20	

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	2=growing season	
hgc = herbaceous ground cover		
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	NM = not managed	
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-156. 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
KPR-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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
E0101	25.69	87	31	21.13	6.00	10.30	7.50	23.66	38.50	13.12	5.79	2.52	8.50	46.00	60.50	2	30	20	3	1	4.61	PS			25.69	1,181.74																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
E0204	0.17	51	25	26.40	7.00	15.88	11.50	12.86	23.00	10.53	2.72	3.20	7.50	34.50	49.00	2	22	17	3	1	4.00	PS					0.17	5.87																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
E0206	15.81	51	21	21.75	6.00	21.09	15.50	7.99	11.00	3.95	6.80	2.94	8.50	26.50	41.00	2	32	25	3	1	3.52	PS					15.81	418.97																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
E0207	0.12	51	13	1.13	0.50	3.16	2.50	10.51	21.00	14.82	11.15	14.92	36.50	23.50	60.50	6	11	66	3	1	3.47	PS					0.12	2.82																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
KPR01	34.73	87	26	24.09	6.00	15.97	12.50	25.74	39.50	7.58	1.14	0.00	1.00	52.00	59.00	9	61	3	3	1	4.38	PS			34.73	1,805.96																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
KPR02	18.75	51	10	4.81	2.00	6.88	5.50	21.90	39.50	25.27	7.30	5.02	12.50	45.00	59.50	1	26	30	3	1	4.26	PS					18.75	843.75																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
pp307*	1.26	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					0.00	0.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
pp340*	3.99	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					0.00	0.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
pp634*	8.10	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					8.10	0.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
T0713	5.21	12	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	0	0	1.91	NH					0.00	0.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
T0714	33.02	42	31	40.22	11.67	16.70	12.22	13.79	20.00	4.17	1.61	1.20	2.78	32.22	46.67	5	32	8	0	0	3.76	PS					33.02	1,063.90																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
T0719	3.47	36	31	64.39	14.29	8.57	5.71	10.88	17.14	18.19	8.36	2.63	10.00	22.86	47.14	1	54	36	0	0	3.35	PS					3.47	79.32																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
T0721	37.42	42	31	27.92	7.00	36.21	24.50	30.21	42.00	19.84	7.17	2.99	8.50	66.50	82.00	1	12	13	0	0	2.19	PS					37.42	2,488.43																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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Appendix Table H-159. 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 **L02-02R, 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		
L0104	13.75	61	31	48.50	12.78	33.02	22.22	13.87	20.00	15.08	0.65	1.97	2.78	42.22	57.78	1	34	5	3	1	1	13.75	580.53						
L0118	19.27	53	22P	167.71	48.00	22.20	14.00	0.42	0.50	3.61	2.55	0.86	3.00	14.50	65.50	1	19	13	3	1	0					19.27	279.42		
L0120	2.09	40	31	53.26	16.00	24.71	17.00	6.89	10.00	21.52	5.71	2.35	7.00	27.00	50.00	2	17	20	3	1	0					2.09	56.43		
L0201	9.19	87	31	59.50	20.00	18.22	13.33	6.47	16.67	7.86	0.00	1.34	2.22	30.00	52.22	8	28	5	3	1	0			9.19	275.70				
L0202	4.86	87	21	34.08	7.50	17.25	12.50	29.31	50.00	0.00	0.00	2.09	2.50	62.50	72.50	1	15	4	3	1	1	4.86	303.75						
L0203	7.38	87	31	45.22	11.43	27.69	20.00	13.87	18.57	0.00	0.00	0.00	0.00	38.57	50.00	1	34	0	3	1	1	7.38	284.65						
L0204	90.79	87	21	7.01	2.35	9.13	7.06	19.00	30.59	4.06	1.74	2.31	5.88	37.65	45.88	1	21	13	3	1	1	90.79	3,418.24						
L0205	25.06	87	31	31.93	10.00	12.40	8.46	6.35	10.77	15.21	5.68	0.72	4.62	19.23	33.85	8	18	25	3	1	0					25.06	481.90		
L0208	0.47	45	13	17.08	6.67	14.08	10.00	3.26	3.33	37.54	4.46	0.00	3.33	13.33	23.33	5	10	20	3	1	0					0.47	6.27		
L0305	16.78	44	31	41.20	12.50	22.67	17.50	7.30	10.50	32.32	7.25	2.24	9.50	28.00	50.00	7	17	24	3	1	0					16.78	469.84		
L0310	14.98	83	31	7.16	2.50	17.35	13.13	20.94	38.75	7.98	6.70	1.66	6.88	51.88	61.25	8	26	18	3	1	0			14.98	777.16				
L0312	0.44	61	42**	16.14	4.50	7.35	5.50	9.49	20.00	19.77	10.59	5.89	18.00	25.50	48.00	7	22	49	3	1	0					0.00	0.00		
L0315	19.37	83	13	16.01	5.00	5.42	3.89	10.99	19.44	9.97	9.00	8.39	17.22	23.33	45.56	2	21	51	3	1	0					19.37	451.90		
L0401	0.06	45	31S	59.75	15.00	22.36	15.00	5.53	7.50	16.51	0.00	0.00	0.00	22.50	37.50	1	20	0	3	1	0					0.06	1.35		
Q1236	3.52	95	31	17.59	5.50	8.36	6.00	5.84	7.50	49.36	12.90	5.98	18.00	13.50	37.00	7	11	57	3	1	0					3.52	47.52		
Q1237	9.54	50	31	16.19	4.50	8.36	6.00	10.79	17.50	5.76	1.59	0.30	1.50	23.50	29.50	1	28	9	3	1	0					9.54	224.19		
Q1337	0.53	50	31P	52.68	15.50	43.67	30.50	14.73	19.50	21.75	6.53	2.95	9.50	50.00	75.00	1	22	14	3	1	1	0.53	26.50						
Q1339	8.64	50	31	25.03	6.67	10.56	7.22	9.15	14.44	6.91	0.72	1.56	3.33	21.67	31.67	1	36	10	3	1	0					8.64	187.23		
pp104*	6.40	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					6.40	0.00		
pp688*	0.86	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					0.86	0.00		
253.98																						117.31	4,613.67	24.17	1,052.86	112.06	2,206.05		

REMOVALS															
Stand	Year	Fiscal	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					
L0104	2009	65554		Construct Training Area Roads, Paved	0.46	19.42									
L0118	2009	65554		Construct Training Area Roads, Paved											
L0120	2009	65554		Construct Training Area Roads, Paved											
L0201	2009	65554		Construct Training Area Roads, Paved			2.12	63.60							
L0203	2009	65554		Construct Training Area Roads, Paved	3.34	128.82									
L0204	2009	65554		Construct Training Area Roads, Paved	9.49	357.30									
Q1337	2009	65554		Construct Training Area Roads, Paved	0.39	19.50									
Q1339	2009	65554		Construct Training Area Roads, Paved					0.53	11.49					
pp688*	2009	65554		Construct Training Area Roads, Paved					0.50	0.00					
2009 SUB-TOTAL					13.68	525.04	2.12	63.60	1.53	21.12					
L0104	2010	65557		Repair Existing Training Area Roads, Phase 1	0.35	14.78									
L0201	2010	65557		Repair Existing Training Area Roads, Phase 1			1.00	30.00							
L0305	2010	65557		Repair Existing Training Area Roads, Phase 1					3.05	85.40					
Q1237	2010	65557		Repair Existing Training Area Roads, Phase 1					6.84	160.74					
Q1337	2010	65557		Repair Existing Training Area Roads, Phase 1	0.16	8.00									
Q1339	2010	65557		Repair Existing Training Area Roads, Phase 1					2.57	55.69					
2010 SUB-TOTAL					0.51	22.78	1.00	30.00	12.46	301.83					
TOTAL REMOVALS					14.19	547.82	3.12	93.60	13.99	322.95					

POST-PROJECT											
		2009		2010							
		Acres	BA	Acres	BA						
Suitable Habitat		103.63	4,088.63	103.12	4,065.85						
Potentially Suitable Habitat		22.05	989.26	21.05	959.26						
Future Potential Habitat		110.53	2,184.93	98.07	1,883.10						
TOTAL		236.21	7,262.82	222.24	6,908.21						

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	22P = Slash Pine Plantation	
5 = tall, sparse	31 = Loblolly Pine	
6 = medium, moderate	31P = Loblolly pine plantation	
7 = tall, moderate	31S = Loblolly Pine Scrub Oak	
8 = medium, dense	42** = Upland Hardwood+Yellow Pine (managed for hardwoods)	
9 = tall, dense		

* Note: No pine data 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-160. 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 **L02-02R, 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	Potentially Suitable BA	Potentially Suitable BA	Future Potential Acreage	Future Potential BA			
L0104	13.75	61	31	48.50	12.78	33.02	22.22	13.87	20.00	15.08	0.65	1.97	2.78	42.22	57.78	1	34	5	3	1	3.65	PS				13.75	580.53			
L0118	19.27	53	22P	167.71	48.00	22.20	14.00	0.42	0.50	3.61	2.55	0.86	3.00	14.50	65.50	1	19	13	3	1	2.57	PS				19.27	279.42			
L0120	2.09	40	31	53.26	16.00	24.71	17.00	6.89	10.00	21.52	5.71	2.35	7.00	27.00	50.00	2	17	20	3	1	2.88	PS				2.09	56.43			
L0201	9.19	87	31	59.50	20.00	18.22	13.33	6.47	16.67	7.86	0.00	1.34	2.22	30.00	52.22	8	28	5	3	1	3.19	PS				9.19	275.70			
L0202	4.86	87	21	34.08	7.50	17.25	12.50	29.31	50.00	0.00	0.00	2.09	2.50	62.50	72.50	1	15	4	3	1	4.19	PS		4.86	303.75					
L0203	7.38	87	31	45.22	11.43	27.69	20.00	13.87	18.57	0.00	0.00	0.00	0.00	38.57	50.00	1	34	0	3	1	4.01	PS				7.38	284.65			
L0204	90.79	87	21	7.01	2.35	9.13	7.06	19.00	30.59	4.06	1.74	2.31	5.88	37.65	45.88	1	21	13	3	1	4.28	CS	90.79	3,418.24						
L0205	25.06	87	31	31.93	10.00	12.40	8.46	6.35	10.77	15.21	5.68	0.72	4.62	19.23	33.85	8	18	25	3	1	2.90	PS				25.06	481.90			
L0208	0.47	45	13	17.08	6.67	14.08	10.00	3.26	3.33	37.54	4.46	0.00	3.33	13.33	23.33	5	10	20	3	1	2.36	PS				0.47	6.27			
L0305	16.78	44	31	41.20	12.50	22.67	17.50	7.30	10.50	32.32	7.25	2.24	9.50	28.00	50.00	7	17	24	3	1	2.70	PS				16.78	469.84			
L0310	14.98	83	31	7.16	2.50	17.35	13.13	20.94	38.75	7.98	6.70	1.66	6.88	51.88	61.25	8	26	18	3	1	2.70	PS		14.98	777.16					
L0312	0.44	61	42**	16.14	4.50	7.35	5.50	9.49	20.00	19.77	10.59	5.89	18.00	25.50	48.00	7	22	49	3	1	3.99	PS				0.00	0.00			
L0315	19.37	53	13	16.01	5.00	5.42	3.99	10.99	19.44	9.97	9.00	8.39	17.22	23.33	45.56	2	21	51	3	1	3.53	PS				19.37	451.90			
O0401	0.06	45	31S	59.75	15.00	22.36	15.00	5.53	7.50	16.51	0.00	0.00	0.00	22.50	37.50	1	20	0	3	1	3.74	PS				0.06	1.35			
O1236	3.52	95	31	17.59	5.50	8.36	6.00	5.84	7.50	49.36	12.90	5.98	18.00	13.50	37.00	7	11	57	3	1	2.95	PS				3.52	47.52			
O1237	9.54	50	31	16.19	4.50	8.36	6.00	10.79	17.50	5.76	1.59	0.30	1.50	23.50	29.50	1	28	9	3	1	3.46	PS				9.54	224.19			
O1337	0.53	50	31P	52.68	15.50	43.67	30.50	14.73	19.50	21.75	6.53	2.95	9.50	50.00	75.00	1	22	14	3	1	4.08	PS				0.53	26.50			
O1339	8.64	50	31	25.03	6.67	10.56	7.22	9.15	14.44	6.91	0.72	1.56	3.33	21.67	31.67	1	36	10	3	1	3.41	PS				8.64	187.23			
pp104*	6.40	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	1.60	NH				6.40	0.00			
pp688*	0.86	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				0.86	0.00			
253.98																									90.79	3,418.24	19.84	1,080.91	142.91	3,373.43

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
L0104	2009	65554	Construct Training Area Roads, Paved					0.46	19.42
L0118	2009	65554	Construct Training Area Roads, Paved					0.31	4.50
L0120	2009	65554	Construct Training Area Roads, Paved					0.19	5.13
L0201	2009	65554	Construct Training Area Roads, Paved					2.12	63.60
L0203	2009	65554	Construct Training Area Roads, Paved					3.34	128.82
L0204	2009	65554	Construct Training Area Roads, Paved	9.49	357.30			0.39	19.50
O1337	2009	65554	Construct Training Area Roads, Paved					0.53	11.49
O1339	2009	65554	Construct Training Area Roads, Paved					0.50	0.00
pp688*	2009	65554	Construct Training Area Roads, Paved					0.50	0.00
2009 SUB-TOTAL				9.49	357.30	0.00	0.00	7.84	252.46
L0104	2010	65557	Repair Existing Training Area Roads, Phase 1					0.35	14.78
L0201	2010	65557	Repair Existing Training Area Roads, Phase 1					1.00	30.00
L0305	2010	65557	Repair Existing Training Area Roads, Phase 1					3.05	85.40
O1237	2010	65557	Repair Existing Training Area Roads, Phase 1					6.84	160.74
O1337	2010	65557	Repair Existing Training Area Roads, Phase 1					0.16	8.00
O1339	2010	65557	Repair Existing Training Area Roads, Phase 1					2.57	55.69
2010 SUB-TOTAL				0.00	0.00	0.00	0.00	13.97	354.61
TOTAL REMOVALS				9.49	357.30	0.00	0.00	21.81	607.07

POST-PROJECT				2009				2010			
Suitable Habitat		Acres	BA	Suitable Habitat		Acres	BA	Suitable Habitat		Acres	BA
Potentially Suitable Habitat		19.84	1,080.91	Potentially Suitable Habitat		19.84	1,080.91	Potentially Suitable Habitat		19.84	1,080.91
Future Potential Habitat		135.07	3,120.97	Future Potential Habitat		121.10	2,766.36	Future Potential Habitat		121.10	2,766.36
TOTAL		236.21	7,262.82	TOTAL		222.24	6,908.21	TOTAL		222.24	6,908.21

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

22P = Slash Pine Plantation

31 = Loblolly Pine

31P = Loblolly pine plantation

31S = Loblolly Pine Scrub Oak

42** = Upland Hardwood-Yellow Pine (managed for hardwoods)

* Note: No pine data 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-161. 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 **L03-01, 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 Density	Hwd Midstory Height	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA																				
L0303	10.79	84	31	14.82	4.50	12.23	9.00	13.81	21.00	1.77	2.02	1.78	3.50	30.00	38.00	1	40	13	3	1	1	10.79	323.70																							
L0305	13.39	44	31	41.20	12.50	22.67	17.50	7.30	10.50	32.32	7.25	2.24	9.50	28.00	50.00	7	17	24	3	1	0				13.39	374.92																				
L0307	27.26	84	31U	0.00	0.00	0.00	0.00	23.94	54.00	0.00	0.00	1.42	4.00	54.00	58.00	1	39	6	3	1	1	27.26	1,472.04																							
L0310	4.59	83	31	7.16	2.50	17.35	13.13	20.94	38.75	7.98	6.70	1.66	6.88	51.88	61.25	8	26	18	3	1	0		4.59	238.13																						
L0312	55.18	61	42**	16.14	4.50	7.35	5.50	9.49	20.00	19.77	10.59	5.89	18.00	25.50	48.00	7	22	49	3	1	0				0.00	0.00																				
L0312	0.15	61	42U**	16.14	4.50	7.35	5.50	9.49	20.00	19.77	10.59	5.89	18.00	25.50	48.00	7	22	49	3	1	0				0.00	0.00																				
O1233	20.21	73	21	9.48	3.00	11.64	8.50	8.63	12.50	10.66	4.06	0.88	4.00	21.00	28.00	6	27	20	3	1	0				20.21	424.41																				
O1236	1.49	95	31	17.59	5.50	8.36	6.00	5.84	7.50	49.36	12.90	5.98	18.00	13.50	37.00	7	11	57	3	1	0				1.49	20.12																				
O1237	13.65	50	31	16.19	4.50	8.36	6.00	10.79	17.50	5.76	1.59	0.30	1.50	23.50	29.50	1	28	9	3	1	0				13.65	320.78																				
O1238	3.54	95	31	47.23	10.00	37.04	28.33	14.80	20.00	0.00	0.00	3.78	6.67	48.33	65.00	3	25	7	3	1	1	3.54	171.09																							
O1241	4.31	95	31	76.43	17.50	39.44	27.50	7.32	10.00	22.52	12.70	2.44	10.00	37.50	65.00	7	20	24	3	1	0		4.31	161.63																						
pp103*	0.03	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				0.03	0.00																				
pp236*	5.24	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				5.24	0.00																				
pp362*	2.09	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				2.09	0.00																				
pp622*	1.30	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				1.30	0.00																				
163.22																																														
																						41.59	1,966.83	8.90	399.76	57.40	1,140.23																			

REMOVALS																			
Stand	Year	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									
L0303	2009	69741		Training Area Infrastructure-19D/K OSUT	4.46	133.80													
L0305	2009	69741		Training Area Infrastructure-19D/K OSUT															
L0307	2009	69741		Training Area Infrastructure-19D/K OSUT	7.24	390.96													
L0310	2009	69741		Training Area Infrastructure-19D/K OSUT			1.75	90.79	4.16	116.48									
O1237	2009	69741		Training Area Infrastructure-19D/K OSUT					1.07	25.15									
O1241	2009	69741		Training Area Infrastructure-19D/K OSUT			2.02	75.75											
pp103*	2009	69741		Training Area Infrastructure-19D/K OSUT					0.03	0.00									
pp236*	2009	69741		Training Area Infrastructure-19D/K OSUT					1.47	0.00									
pp622*	2009	69741		Training Area Infrastructure-19D/K OSUT					1.30	0.00									
2009 SUB-TOTAL					11.70	524.76	3.77	166.54	8.03	141.63									
L0303	2010	65557		Repair Existing Training Area Roads, Phase 1															
O1237	2010	65557		Repair Existing Training Area Roads, Phase 1	2.35	70.50													
O1238	2010	65557		Repair Existing Training Area Roads, Phase 1	0.29	14.02			7.67	180.25									
2010 SUB-TOTAL					2.64	84.52	0.00	0.00	7.67	180.25									
TOTAL REMOVALS					14.34	609.28	3.77	166.54	15.70	321.88									

POST-PROJECT									
		2009 TOTAL					2010 TOTAL		
		Acres	BA				Acres	BA	
Suitable Habitat		29.89	1,442.07				27.25	1,357.55	
Potentially Suitable Habitat		5.13	233.22				5.13	233.22	
Future Potential Habitat		49.37	998.60				41.70	818.35	
TOTAL		84.39	2,673.89				74.08	2,409.12	

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

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

Type Burn:

0=no data available

1=non-growing season

2=growing season

Forest Type:

21 = Longleaf Pine

21P = Longleaf Pine Plantation

31 = Loblolly Pine

31U = Loblolly Pine Underplanted

42** = Upland Hardwood-Yellow Pine (managed for hardwoods)

42U** = Upland Hardwood-Yellow Pine Underplanted (managed for hardwoods)

Stand Score:

0=Unsuitable

1=Suitable

Appendix Table H-162. 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
L03-01, 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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
L0303	10.79	84	31	14.82	4.50	12.23	9.00	13.81	21.00	1.77	2.02	1.78	3.50	30.00	38.00	1	40	13	3	1	4.53	PS				10.79	323.70																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
L0305	13.39	44	31	41.20	12.50	22.67	17.50	7.30	10.50	32.32	7.25	2.24	9.50	28.00	50.00	7	17	24	3	1	2.82	PS				13.39	374.92																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
L0307	27.26	84	31U	0.00	0.00	0.00	0.00	23.94	54.00	0.00	0.00	1.42	4.00	54.00	58.00	1	39	6	3	1	4.75	CS	27.26	1,472.04																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
L0310	4.59	83	31	7.16	2.50	17.35	13.13	20.94	38.75	7.98	6.70	1.66	6.88	51.88	61.25	8	26	18	3	1	4.18	PS			4.59	238.13																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
L0312	55.18	61	42**	16.14	4.50	7.35	5.50	9.49	20.00	19.77	10.59	5.89	18.00	25.50	48.00	7	22	49	3	1	3.60	PS				0.00	0.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
L0312	0.15	61	42U**	16.14	4.50	7.35	5.50	9.49	20.00	19.77	10.59	5.89	18.00	25.50	48.00	7	22	49	3	1	3.60	PS				0.00	0.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
O1232	20.21	73	21	9.48	3.00	11.64	8.50	8.63	12.50	10.66	4.06	0.88	4.00	21.00	28.00	6	27	20	3	1	3.41	PS				20.21	424.41																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
O1236	1.49	95	31	17.59	5.50	8.36	6.00	5.84	7.50	49.36	12.90	5.98	18.00	13.50	37.00	7	11	57	3	1	2.87	PS				1.49	20.12																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
O1237	13.65	50	31	16.19	4.50	8.36	6.00	10.79	17.50	5.76	1.59	0.30	1.50	23.50	29.50	1	28	9	3	1	3.91	PS				13.65	320.78																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
O1238	3.54	95	31	47.23	10.00	37.04	28.33	14.80	20.00	0.00	0.00	3.78	6.67	48.33	65.00	3	25	7	3	1	3.79	PS				3.54	171.09																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
O1241	4.31	95	31	76.43	17.50	39.44	27.50	7.32	10.00	22.52	12.70	2.44	10.00	37.50	65.00	7	20	24	3	1	3.23	PS				4.31	161.63																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
pp103*	0.03	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				0.03	0.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
pp236*	5.24	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				5.24	0.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
pp362*	2.09	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				2.09	0.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
pp622*	1.30	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				1.30	0.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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Appendix Table H-163. 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 **L03-01, 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	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
L0303	10.79	84	31	14.82	4.50	12.23	9.00	13.81	21.00	1.77	2.02	1.78	3.50	30.00	38.00	1	40	13	3	1	1	10.79	323.70				
L0305	13.39	44	31	41.20	12.50	22.67	17.50	7.30	10.50	32.32	7.25	2.24	9.50	28.00	50.00	7	17	24	3	1	0				13.39	374.92	
L0307	27.26	84	31U	0.00	0.00	0.00	0.00	23.94	54.00	0.00	0.00	1.42	4.00	54.00	58.00	1	39	6	3	1	1	27.26	1,472.04				
L0310	4.59	83	31	7.16	2.50	17.35	13.13	20.94	38.75	7.98	6.70	1.66	6.88	51.88	61.25	8	26	18	3	1	0			4.59	238.13		
L0312	55.18	61	42**	16.14	4.50	7.35	5.50	9.49	20.00	19.77	10.59	5.89	18.00	25.50	48.00	7	22	49	3	1	0				0.00	0.00	
L0312	0.15	61	42U**	16.14	4.50	7.35	5.50	9.49	20.00	19.77	10.59	5.89	18.00	25.50	48.00	7	22	49	3	1	0				0.00	0.00	
O1233	20.21	73	21	9.48	3.00	11.64	8.50	8.63	12.50	10.66	4.06	0.88	4.00	21.00	28.00	6	27	20	3	1	0				20.21	424.41	
O1236	1.49	95	31	17.59	5.50	8.36	6.00	5.84	7.50	49.36	12.90	5.98	18.00	13.50	37.00	7	11	57	3	1	0				1.49	20.12	
O1237	13.65	50	31	16.19	4.50	8.36	6.00	10.79	17.50	5.76	1.59	0.30	1.50	23.50	29.50	1	28	9	3	1	0				13.65	320.78	
O1238	3.54	95	31	47.23	10.00	37.04	28.33	14.80	20.00	0.00	0.00	3.78	6.67	48.33	65.00	3	25	7	3	1	1	3.54	171.09				
O1241	4.31	95	31	76.43	17.50	39.44	27.50	7.32	10.00	22.52	12.70	2.44	10.00	37.50	65.00	7	20	24	3	1	0			4.31	161.63		
pp103*	0.03	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				0.03	0.00	
pp236*	5.24	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				5.24	0.00	
pp362*	2.09	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				2.09	0.00	
pp622*	1.30	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				1.30	0.00	
163.22																						41.59	1,966.83	8.90	399.76	57.40	1,140.23

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
L0303	2010	65557	Repair Existing Training Area Roads, Phase 1	2.35	70.50				
O1237	2010	65557	Repair Existing Training Area Roads, Phase 1					8.74	205.39
O1238	2010	65557	Repair Existing Training Area Roads, Phase 1	0.29	14.02				
O1241	2010	65557	Repair Existing Training Area Roads, Phase 1			2.02	75.75	8.74	205.39
TOTAL REMOVALS				2.64	84.52	2.02	75.75	8.74	205.39

POST-PROJECT		2010	
	Acres	BA	
Suitable Habitat	38.95	1,882.31	
Potentially Suitable Habitat	6.88	324.01	
Future Potential Habitat	48.66	934.84	
TOTAL	94.49	3,141.16	

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	31 = Loblolly Pine	
4 = medium, sparse	31U = Loblolly Pine Underplanted	
5 = tall, sparse	42** = Upland Hardwood-Yellow Pine (managed for hardwoods)	
6 = medium, moderate	42U* = Upland Hardwood-Yellow Pine Underplanted (managed for hardwoods)	
7 = tall, moderate		
8 = medium, dense		
9 = tall, dense		
* Note: No pine data was collected for pine plantation less than 30 years old.		

Appendix Table H-164. 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 **L03-01, 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	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
L0303	10.79	84	31	14.82	4.50	12.23	9.00	13.81	21.00	1.77	2.02	1.78	3.50	30.00	38.00	1	40	13	3	1	4.53	PS					10.79	323.70
L0305	13.39	44	31	41.20	12.50	22.67	17.50	7.30	10.50	32.32	7.25	2.24	9.50	28.00	50.00	7	17	24	3	1	2.82	PS					13.39	374.92
L0307	27.26	84	31U	0.00	0.00	0.00	0.00	23.94	54.00	0.00	0.00	1.42	4.00	54.00	58.00	1	39	6	3	1	4.75	CS	27.26	1,472.04				
L0310	4.59	83	31	7.16	2.50	17.35	13.13	20.94	38.75	7.98	6.70	1.66	6.88	51.88	61.25	8	26	18	3	1	4.18	PS			4.59	238.13		
L0312	55.18	61	42**	16.14	4.50	7.35	5.50	9.49	20.00	19.77	10.59	5.89	18.00	25.50	48.00	7	22	49	3	1	3.60	PS					0.00	0.00
L0312	0.15	61	42U**	16.14	4.50	7.35	5.50	9.49	20.00	19.77	10.59	5.89	18.00	25.50	48.00	7	22	49	3	1	3.60	PS					0.00	0.00
O1233	20.21	73	21	9.48	3.00	11.64	8.50	8.63	12.50	10.66	4.06	0.88	4.00	21.00	28.00	6	27	20	3	1	3.41	PS					20.21	424.41
O1236	1.49	95	31	17.59	5.50	8.36	6.00	5.84	7.50	49.36	12.90	5.98	18.00	13.50	37.00	7	11	57	3	1	2.87	PS					1.49	20.12
O1237	13.65	50	31	16.19	4.50	8.36	6.00	10.79	17.50	5.76	1.59	0.30	1.50	23.50	29.50	1	28	9	3	1	3.91	PS					13.65	320.78
O1238	3.54	95	31	47.23	10.00	37.04	28.33	14.80	20.00	0.00	0.00	3.78	6.67	48.33	65.00	3	25	7	3	1	3.79	PS					3.54	171.09
O1241	4.31	95	31	76.43	17.50	39.44	27.50	7.32	10.00	22.52	12.70	2.44	10.00	37.50	65.00	7	20	24	3	1	3.23	PS					4.31	161.63
pp103*	0.03	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					0.03	0.00
pp236*	5.24	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					5.24	0.00
pp362*	2.09	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					2.09	0.00
pp622*	1.30	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					1.30	0.00
163.22																						27.26	1,472.04	4.59	238.13	76.04	1,796.65	

REMOVALS						
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed
L0303	2010	65557	Repair Existing Training Area Roads, Phase 1			
O1237	2010	65557	Repair Existing Training Area Roads, Phase 1			
O1238	2010	65557	Repair Existing Training Area Roads, Phase 1			
O1241	2010	65557	Repair Existing Training Area Roads, Phase 1			
TOTAL REMOVALS				0.00	0.00	0.00
						0.00
						13.40
						365.66

POST-PROJECT		2010	
	Acres	BA	
Suitable Habitat	27.26	1,472.04	
Potentially Suitable Habitat	4.59	238.13	
Future Potential Habitat	62.64	1,430.99	
TOTAL	94.49	3,141.16	

Key:		
BA= basal area	Type Burn:	Suitability
dbh= diameter at breast height	1= non-growing season	CS= currently suitable
hwd= hardwood	2= growing season	PS= potentially suitable
hgc= herbaceous ground cover		NH= non-habitat
Hardwood Midstory:		
1 = low, sparse	Forest Type:	21 = Longleaf Pine
2 = low, moderate		21P = Longleaf Pine Plantation
3 = low, dense		31 = Loblolly Pine
4 = medium, sparse		31U = Loblolly Pine Underplanted
5 = tall, sparse		42** = Upland Hardwood-Yellow Pine (managed for hardwoods)
6 = medium, moderate		42U** = Upland Hardwood-Yellow Pine Underplanted (managed for hardwoods)
7 = tall, moderate		
8 = medium, dense		
9 = tall, dense		
* Note: No pine data was collected for pine plantation less than 30 years old.		

Appendix Table H-165. 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 **M01-01 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 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	
M0101	28.46	59	21	40.52	11.50	7.45	5.50	13.97	21.00	21.71	8.16	2.69	10.50	26.50	48.50	1	23	34	3	2	0						28.46	754.19	
M0102	42.78	63	21	32.91	9.50	18.34	13.50	19.17	31.50	19.44	3.15	2.86	5.50	45.00	60.00	2	13	14	3	2	1		42.78	1,925.10					
M0103	2.44	63	31	46.03	13.50	24.64	17.50	16.79	28.00	14.35	9.33	4.40	12.00	45.50	71.00	1	19	25	3	2	1		2.44	111.02					
M0106	2.51	86	13	31.40	9.50	15.56	10.50	9.79	15.50	30.94	14.12	5.15	18.50	26.00	54.00	1	11	43	3	2	0					0.00	0.00		
M0107	8.01	61	31	60.21	16.19	19.19	13.33	8.87	12.86	15.92	0.76	0.82	1.90	26.19	44.29	2	28	5	3	2	0					0.00	0.00		
M0109	3.51	61	21	29.84	9.00	21.62	16.00	18.72	30.50	2.86	0.00	0.00	0.00	46.50	55.50	2	32	0	3	2	1		0.00	0.00					
M0637	2.55	61	21	29.26	7.50	11.40	8.50	10.74	17.50	13.95	3.14	2.64	6.00	26.00	39.50	2	23	21	0	0	0					2.55	66.30		
M0657	0.15	40	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	0	0	0					0.00	0.00		
O1417	3.09	66	31	29.64	8.00	17.15	12.50	12.89	19.00	14.72	6.46	3.00	9.50	31.50	49.00	2	20	24	3	1	1		3.09	97.34					
O1423	8.59	87	42**	11.70	3.50	12.76	9.50	9.76	14.50	26.77	19.26	3.01	18.00	24.00	45.50	7	24	50	3	1	0					8.59	206.16		
O1430	1.79	19	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		
O1431	11.19	78	21	62.86	16.50	18.56	12.50	9.28	14.00	7.33	1.12	2.78	5.50	26.50	48.50	6	15	12	3	1	0					11.19	296.54		
pp540*	0.30	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					0.30	0.00		
pp962*	14.05	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					14.05	0.00		
				129.42																			48.31	2,133.46	0.00	0.00	65.14	1,323.19	

REMOVALS										Suitable Acreage		Potentially Suitable Acreage		Potentially Suitable BA		Future Potential Acreage		Future Potential BA	
Stand	Fiscal Year	Project Number	Project Name	Removed	Suitable BA Removed	Removed	Potentially Suitable Acreage Removed	Removed	Potentially Suitable BA	Removed	BA Removed	Removed	Potentially Suitable Acreage Removed	Removed	BA Removed	Removed	Potentially Suitable Acreage Removed	Removed	BA Removed
M0101	2010	65557	Repair Existing Training Area Roads, Phase 1																
M0102	2010	65557	Repair Existing Training Area Roads, Phase 1	1.28	57.60														
M0103	2010	65557	Repair Existing Training Area Roads, Phase 1	0.38	17.29														
M0637	2010	65557	Repair Existing Training Area Roads, Phase 1																
O1417	2010	65557	Repair Existing Training Area Roads, Phase 1	0.03	0.95														
O1431	2010	65557	Repair Existing Training Area Roads, Phase 1																
pp540*	2010	65557	Repair Existing Training Area Roads, Phase 1																
pp962*	2010	65557	Repair Existing Training Area Roads, Phase 1																
TOTAL REMOVALS				1.69	75.84	0.00	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

POST-PROJECT			2010
Suitable Habitat	Acres	BA	
Potentially Suitable Habitat	46.62	2,057.62	
Future Potential Habitat	0.00	0.00	
TOTAL	63.04	1,271.78	
	109.66	3,329.40	

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	13 = Loblolly Pine-Hardwood	
2 = low, moderate	21 = Longleaf Pine	
3 = low, dense	21P = Longleaf Pine Plantation	
4 = medium, sparse	31 = Loblolly Pine	
5 = tall, sparse	42** = Upland Hardwood-Yellow Pine	
6 = medium, moderate	NM = not managed	
7 = tall, moderate	ND = no data provided	
8 = medium, dense		
9 = tall, dense		
* Note: No pine data was collected for pine plantation stand 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-166. 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 **M01-01, 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
M0101	28.46	59	21	40.52	11.50	7.45	5.50	13.97	21.00	21.71	8.16	2.69	10.50	26.50	48.50	1	23	34	3	2	4.03	PS					28.46	754.19
M0102	42.78	63	21	32.91	9.50	18.34	13.50	19.17	31.50	19.44	3.15	2.86	5.50	45.00	60.00	2	13	14	3	2	4.58	PS			42.78	1,925.10		
M0103	2.44	63	31	46.03	13.50	24.64	17.50	16.79	28.00	14.35	9.33	4.40	12.00	45.50	71.00	1	19	25	3	2	4.28	PS					2.44	111.02
M0106	2.51	86	13	31.40	9.50	15.56	10.50	9.79	15.50	30.94	14.12	5.15	18.50	26.00	54.00	1	11	43	3	2	3.82	PS					0.00	0.00
M0107	8.01	61	31	60.21	16.19	19.19	13.33	8.87	12.86	15.92	0.76	0.82	1.90	26.19	44.29	2	28	5	3	2	3.81	PS					0.00	0.00
M0109	3.51	61	21	29.84	9.00	21.62	16.00	19.72	30.50	2.86	0.00	0.00	0.00	46.50	55.50	2	32	0	3	2	4.87	PS		0.00	0.00			
M0637	2.55	61	21	29.26	7.50	11.40	8.50	10.74	17.50	13.95	3.14	2.64	6.00	26.00	39.50	2	23	21	0	0	3.75	PS					2.55	66.30
M0657	0.15	40	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	0	0	2.19	PS				0.00	0.00	
O1417	3.09	66	31	29.64	8.00	17.15	12.50	12.89	19.00	14.72	6.46	3.00	9.50	31.50	49.00	2	20	24	3	1	3.89	PS					3.09	97.34
O1423	8.59	87	42**	11.70	3.50	12.76	9.50	9.76	14.50	26.77	19.26	3.01	18.00	24.00	45.50	7	24	50	3	1	3.32	PS					8.59	206.16
O1430	1.79	19	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
O1431	11.19	78	21	62.86	16.50	18.56	12.50	9.28	14.00	7.33	1.12	2.78	5.50	26.50	48.50	6	15	12	3	1	3.42	PS					11.19	296.54
pp540*	0.30	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					0.30	0.00
pp962*	14.05	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					14.05	0.00
129.42																							0.00	0.00	42.78	1,925.10	70.67	1,531.55

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
M0101	2010	65557	Repair Existing Training Area Roads, Phase 1				1.28	57.60	1.06
M0102	2010	65557	Repair Existing Training Area Roads, Phase 1						28.09
M0103	2010	65557	Repair Existing Training Area Roads, Phase 1					0.38	17.29
M0637	2010	65557	Repair Existing Training Area Roads, Phase 1					0.01	0.26
O1417	2010	65557	Repair Existing Training Area Roads, Phase 1					0.03	0.95
O1431	2010	65557	Repair Existing Training Area Roads, Phase 1					0.87	23.06
pp540*	2010	65557	Repair Existing Training Area Roads, Phase 1					0.01	0.00
pp962*	2010	65557	Repair Existing Training Area Roads, Phase 1					0.15	0.00
TOTAL REMOVALS				0.00	0.00	1.28	57.60	2.51	69.65

POST-PROJECT		
	2010	BA
Suitable Habitat	0.00	0.00
Potentially Suitable Habitat	41.50	1,867.50
Future Potential Habitat	68.16	1,461.90
TOTAL	109.66	3,329.40

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:
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
31 = Loblolly Pine
42* = Upland Hardwood-Yellow Pine
NM = not managed
ND = no data provided

* Note: No pine data was collected for pine plantation stand 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-167. 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 **M08-01 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 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	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
M0715	5.88	51	31	65.26	18.00	7.86	6.00	13.17	18.00	7.48	0.00	0.00	0.00	24.00	42.00	6	32	0	3	1	0						5.88	141.12
M0716	90.58	55	31	39.68	12.50	20.95	14.00	10.62	15.50	8.93	4.78	1.48	5.50	29.50	47.50	6	26	17	3	1	0						90.58	2,672.11
M0727	26.18	53	13	12.79	3.50	9.02	7.00	8.12	12.50	31.09	13.28	6.77	20.00	19.50	43.00	6	17	54	3	1	0						26.18	510.51
M0812	4.16	54	21	51.35	14.50	30.25	22.00	13.64	19.50	11.88	1.92	1.91	4.00	41.50	60.00	1	18	8	3	2	1		4.16	172.64				
M0813	2.06	46	26	26.36	9.00	25.68	19.00	15.82	22.50	18.18	3.01	1.08	3.50	41.50	54.00	1	37	9	3	2	1		2.06	85.49				
M0820	8.95	85	31	34.78	8.89	18.66	13.33	14.84	22.22	6.13	8.74	3.32	11.11	35.56	55.56	2	19	26	3	2	1		8.95	318.26				
M0821	42.47	57	31	37.12	12.50	28.36	20.00	18.07	29.00	0.00	8.77	2.53	9.50	49.00	71.00	2	21	20	3	2	1		42.47	2,081.03				
M0825	25.51	48	26	27.09	8.00	32.12	24.00	15.55	20.50	24.91	4.32	3.44	8.00	44.50	60.50	1	25	14	3	2	1		25.51	1,135.20				
M0831	31.81	46	31	61.35	16.32	33.31	22.11	16.94	23.68	19.96	8.62	1.67	8.95	45.79	71.05	1	6	17	3	2	1		31.81	1,456.58				
M0832	19.96	85	31	3.92	1.50	6.40	4.50	13.28	33.50	37.67	20.07	4.59	21.00	38.00	60.50	4	12	56	3	2	0				19.96	758.48		
M0841	0.17	56	31	40.14	11.50	19.24	14.00	17.47	31.00	52.16	11.77	3.86	13.50	45.00	70.00	1	16	30	3	2	1		0.17	7.65				
pp492*	8.49	16	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						8.49	0.00
pp699*	2.01	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						2.01	0.00
pp937*	9.37	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						9.37	0.00
	277.60																						115.13	5,256.85	19.96	758.48	133.14	3,323.74

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																		
M0716	2010	65557	Repair Existing Training Area Roads, Phase 1					2.08	61.36																		
M0727	2010	65557	Repair Existing Training Area Roads, Phase 1					4.04	78.78																		
M0812	2010	65557	Repair Existing Training Area Roads, Phase 1	0.72	29.88																						
M0820	2010	65557	Repair Existing Training Area Roads, Phase 1		3.95		140.46																				
M0821	2010	65557	Repair Existing Training Area Roads, Phase 1	1.81	88.69																						
M0831	2010	65557	Repair Existing Training Area Roads, Phase 1	5.50	251.85																						
M0841	2010	65557	Repair Existing Training Area Roads, Phase 1	0.07	3.15																						
pp699*	2010	65557	Repair Existing Training Area Roads, Phase 1																								
TOTAL REMOVALS				12.05	514.03	0.00	0.00	6.30	140.14																		

POST-PROJECT		2010	
Suitable Habitat	Acres	BA	
Potentially Suitable Habitat	103.08	4,742.82	
Future Potential Habitat	126.84	3,183.60	
TOTAL	249.88	8,684.90	

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

* Note: No pine data was collected for pine plantation stand 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-168. 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 **M08-01, 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
M0715	5.88	51	31	65.26	18.00	7.86	6.00	13.17	18.00	7.48	0.00	0.00	0.00	24.00	42.00	6	32	0	3	1	3.83	PS					5.88	141.12
M0716	90.58	55	31	39.68	12.50	20.95	14.00	10.62	15.50	8.93	4.78	1.48	5.50	29.50	47.50	6	26	17	3	1	3.54	PS					90.58	2,672.11
M0727	26.18	53	13	12.79	3.50	9.02	7.00	8.12	12.50	31.09	13.28	6.77	20.00	19.50	43.00	6	17	54	3	1	2.99	PS					26.18	510.51
M0812	4.16	54	21	51.35	14.50	30.25	22.00	13.64	19.50	11.88	1.92	1.91	4.00	41.50	60.00	1	18	8	3	2	4.19	PS					4.16	172.64
M0813	2.06	46	26	26.36	9.00	25.68	19.00	15.82	22.50	18.18	3.01	1.08	3.50	41.50	54.00	1	37	9	3	2	4.44	PS					2.06	85.49
M0820	8.95	85	31	34.78	8.89	18.66	13.33	14.84	22.22	6.13	8.74	3.32	11.11	35.56	55.56	2	19	26	3	2	4.27	PS					8.95	318.26
M0821	42.47	57	31	37.12	12.50	28.36	20.00	18.07	29.00	0.00	8.77	2.53	9.50	49.00	71.00	2	21	20	3	2	4.47	PS					42.47	2,081.03
M0825	25.51	48	26	27.09	8.00	32.12	24.00	15.55	20.50	24.91	4.32	3.44	8.00	44.50	60.50	1	25	14	3	2	4.28	PS					25.51	1,135.20
M0831	31.81	46	31	61.35	16.32	33.31	22.11	16.94	23.68	19.96	8.62	1.67	8.95	45.79	71.05	1	6	17	3	2	3.94	PS					31.81	1,456.58
M0832	19.96	85	31	3.92	1.50	6.40	4.50	13.28	33.50	37.67	20.07	4.59	21.00	38.00	60.50	4	12	56	3	2	4.13	PS					19.96	758.48
M0841	0.17	56	31	40.14	11.50	19.24	14.00	17.47	31.00	52.16	11.77	3.86	13.50	45.00	70.00	1	16	30	3	2	4.14	PS					0.17	7.65
pp492*	8.49	16	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					8.49	0.00
pp699*	2.01	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					2.01	0.00
pp937*	9.37	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
277.60																							0.00	0.00	0.00	268.23	9,339.07	

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
M0716	2010	65557	Repair Existing Training Area Roads, Phase 1					2.08
M0727	2010	65557	Repair Existing Training Area Roads, Phase 1					4.04
M0812	2010	65557	Repair Existing Training Area Roads, Phase 1					0.72
M0820	2010	65557	Repair Existing Training Area Roads, Phase 1					3.95
M0821	2010	65557	Repair Existing Training Area Roads, Phase 1					1.61
M0831	2010	65557	Repair Existing Training Area Roads, Phase 1					5.50
M0841	2010	65557	Repair Existing Training Area Roads, Phase 1					0.07
pp699*	2010	65557	Repair Existing Training Area Roads, Phase 1					0.18
TOTAL REMOVALS				0.00	0.00	0.00	0.00	18.35

POST-PROJECT			2010
Suitable Habitat	Acres	BA	
Potentially Suitable Habitat	0.00	0.00	
Future Potential Habitat	249.88	8,684.90	
TOTAL	249.88	8,684.90	

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	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 collected for pine plantation stand 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-169. 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 **M08-02a 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	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
M0801	0.26	110	21	38.61	11.05	14.80	11.05	21.92	34.21	1.22	4.79	0.00	3.68	45.26	60.00	1	32	12	3	2	1	0.26	11.77				
M0803	9.57	71	31	75.61	24.50	47.20	34.00	13.59	19.50	8.37	7.98	0.28	6.00	53.50	84.00	1	26	12	3	2	0			9.57	512.00		
M0804	14.74	76	21	2.17	0.50	22.60	16.50	27.43	40.00	6.83	2.15	0.00	1.50	56.50	58.50	1	30	4	3	2	1	14.74	832.81				
M0805	8.08	43	26	28.21	8.89	24.43	17.78	12.62	18.89	11.19	2.21	1.38	3.33	36.67	48.89	1	26	9	3	2	1	8.08	296.29				
M0808	6.10	76	21	11.31	3.75	40.06	28.75	33.96	47.50	0.00	0.00	0.78	1.25	76.25	81.25	1	18	1	3	2	1	6.10	465.13				
M0809	11.08	43	11	3.47	1.50	11.32	7.50	6.43	9.50	25.62	3.75	0.40	3.00	17.00	21.50	1	47	19	3	2	0					11.08	188.36
M0810	0.53	43	22P	170.11	51.25	55.75	36.25	4.01	5.00	9.63	3.61	1.91	5.00	41.25	97.50	1	11	8	3	2	0			0.53	21.86		
M0814	0.95	46	26	75.97	20.00	35.27	22.50	5.64	8.75	2.96	8.54	2.11	10.00	31.25	61.25	1	19	21	3	2	0			0.95	29.69		
M0815	28.80	71	21	47.14	14.21	14.58	10.53	19.03	28.95	28.07	4.65	1.17	4.74	39.47	58.42	1	22	15	3	2	1	28.80	1,136.74				
M0815	2.47	71	21U	47.14	14.21	14.58	10.53	19.03	28.95	28.07	4.65	1.17	4.74	39.47	58.42	1	22	15	3	2	1	2.47	97.49				
M0817	4.13	63	21	56.08	13.75	28.51	20.00	3.25	3.75	16.90	3.66	7.91	12.50	23.75	50.00	1	34	27	3	2	0					4.13	98.09
M0818	0.69	54	31	43.07	11.67	29.20	20.00	16.15	23.33	5.29	2.16	0.00	1.67	43.33	56.67	1	23	5	3	2	1	0.69	29.90				
M0825	20.84	48	26	27.09	8.00	32.12	24.00	15.55	20.50	24.91	4.32	3.44	8.00	44.50	60.50	1	25	14	3	2	1	20.84	927.38				
M0825	15.90	48	26U	27.09	8.00	32.12	24.00	15.55	20.50	24.91	4.32	3.44	8.00	44.50	60.50	1	25	14	3	2	1	15.90	707.55				
M0826	5.17	45	21	111.85	32.00	49.10	33.00	8.18	10.50	20.63	6.10	4.43	10.50	43.50	86.00	1	21	16	3	2	0			5.17	224.90		
M0827	1.03	45	22P	127.64	40.00	50.58	33.50	6.85	7.50	12.18	4.35	2.30	6.00	41.00	87.00	1	5	10	3	2	0			1.03	42.23		
O0220	18.22	73	21	13.10	3.68	26.75	19.47	19.23	27.37	10.86	2.42	0.67	3.16	46.84	53.68	1	19	6	3	1	1	18.22	853.42				
O0223	7.54	73	31	13.02	3.50	12.63	9.00	21.56	34.50	20.50	3.89	2.46	6.00	43.50	53.00	2	21	16	3	1	1	7.54	327.99				
pp492*	2.34	16	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					2.34	0.00
158.44																						123.64	5,686.47	17.25	830.68	17.55	286.45

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
M0803	2010	65557	Repair Existing Training Area Roads, Phase 1		0.50	26.75		
M0804	2010	65557	Repair Existing Training Area Roads, Phase 1	2.11	119.22			
M0805	2010	65557	Repair Existing Training Area Roads, Phase 1	1.59	58.31			
O0220	2010	65557	Repair Existing Training Area Roads, Phase 1	4.74	222.02			
O0223	2010	65557	Repair Existing Training Area Roads, Phase 1	0.22	9.57			
TOTAL REMOVALS				8.66	409.12	0.50	0.00	0.00

POST-PROJECT		
Acres	BA	
Suitable Habitat	114.98	5,277.35
Potentially Suitable Habitat	16.75	803.93
Future Potential Habitat	17.55	286.45
TOTAL	149.28	6,367.73

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:
11 = Longleaf Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
21U = Longleaf Pine Underplanted
22P = Slash Pine
26 = Mixed Pine-Longleaf
26U = Mixed Pine-Longleaf Underplanted
31 = Loblolly Pine

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

Appendix Table H-170. 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 **M08-02a, 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	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA	
M0801	0.26	110	21	38.61	11.05	14.80	11.05	21.92	34.21	1.22	4.79	0.00	3.68	45.26	60.00	1	32	12	3	2	4.77	PS			0.26	11.77			
M0803	9.57	71	31	75.61	24.50	47.20	34.00	13.59	19.50	8.37	7.98	0.28	6.00	53.50	84.00	1	26	12	3	2	4.32	PS					9.57	512.00	
M0804	14.74	76	21	2.17	0.50	22.60	16.50	27.43	40.00	6.83	2.15	0.00	1.50	56.50	58.50	1	30	4	3	2	4.90	CS	14.74	832.81					
M0805	8.08	43	26	28.21	8.89	24.43	17.78	12.62	18.89	11.19	2.21	1.38	3.33	36.67	48.89	1	26	9	3	2	4.00	PS					8.08	296.29	
M0808	6.10	76	21	11.31	3.75	40.06	28.75	33.96	47.50	0.00	0.00	0.78	1.25	76.25	81.25	1	18	1	3	2	4.70	CS	6.10	465.13					
M0809	11.08	43	11	3.47	1.50	11.32	7.50	6.43	9.50	25.62	3.75	0.40	3.00	17.00	21.50	1	47	19	3	2	3.52	PS					11.08	188.36	
M0810	0.53	43	22P	170.11	51.25	55.75	36.25	4.01	5.00	9.63	3.61	1.91	5.00	41.25	97.50	1	11	8	3	2	3.24	PS					0.53	21.86	
M0814	0.95	46	26	75.97	20.00	35.27	22.50	5.64	8.75	2.96	8.54	2.11	10.00	31.25	61.25	1	19	21	3	2	3.22	PS					0.95	29.69	
M0815	28.80	71	21	47.14	14.21	14.58	10.53	19.03	28.95	28.07	4.65	1.17	4.74	39.47	58.42	1	22	15	3	2	4.61	PS			28.80	1,136.74			
M0815	2.47	71	21U	47.14	14.21	14.58	10.53	19.03	28.95	28.07	4.65	1.17	4.74	39.47	58.42	1	22	15	3	2	4.61	PS			2.47	97.49			
M0817	4.13	63	21	56.08	13.75	28.51	20.00	3.25	3.75	16.90	3.66	7.91	12.50	23.75	50.00	1	34	27	3	2	3.32	PS					4.13	98.09	
M0818	0.69	54	31	43.07	11.67	29.20	20.00	16.15	23.33	5.29	2.16	0.00	1.67	43.33	56.67	1	23	5	3	2	4.43	PS					0.69	29.90	
M0825	20.84	48	26	27.09	8.00	32.12	24.00	15.55	20.50	24.91	4.32	3.44	8.00	44.50	60.50	1	25	14	3	2	4.28	PS					20.84	927.38	
M0825	15.90	48	26U	27.09	8.00	32.12	24.00	15.55	20.50	24.91	4.32	3.44	8.00	44.50	60.50	1	25	14	3	2	4.28	PS					15.90	707.55	
M0826	5.17	45	21	111.85	32.00	49.10	33.00	8.18	10.50	20.63	6.10	4.43	10.50	43.50	86.00	1	21	16	3	2	3.57	PS					5.17	224.90	
M0827	1.03	45	22P	127.64	40.00	50.58	33.50	6.85	7.50	12.18	4.35	2.30	6.00	41.00	87.00	1	5	10	3	2	3.23	PS					1.03	42.23	
O0220	18.22	73	21	13.10	3.68	26.75	19.47	19.23	27.37	10.86	2.42	0.67	3.16	46.84	53.68	1	19	6	3	1	4.55	CS	18.22	853.42					
O0223	7.54	73	31	13.02	3.50	12.63	9.00	21.56	34.50	20.50	3.89	2.46	6.00	43.50	53.00	2	21	16	3	1	4.58	CS	7.54	327.99					
pp492*	2.34	16	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					2.34	0.00	
158.44																						46.60	2,479.35	31.53	1,246.00	80.31	3,078.25		

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
M0803	2010	65557	Repair Existing Training Area Roads, Phase 1					0.50	26.75
M0804	2010	65557	Repair Existing Training Area Roads, Phase 1	2.11	119.22				
M0805	2010	65557	Repair Existing Training Area Roads, Phase 1					1.59	58.31
O0220	2010	65557	Repair Existing Training Area Roads, Phase 1	4.74	222.02				
O0223	2010	65557	Repair Existing Training Area Roads, Phase 1	0.22	9.57				
TOTAL REMOVALS				7.07	350.81	0.00	0.00	2.09	85.06

POST-PROJECT			2010	
Suitable Habitat	Acres	BA		
Potentially Suitable Habitat	39.53	2,128.54		
Future Potential Habitat	31.53	1,246.00		
TOTAL	78.22	2,993.19		
	149.28	6,367.73		

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:
11 = Longleaf Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
21U = Longleaf Pine Underplanted
22P = Slash Pine
26 = Mixed Pine-Longleaf
26U = Mixed Pine-Longleaf Underplanted
31 = Loblolly Pine

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

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

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

Appendix Table H-171. 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 **M08-02b 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
M0801	17.82	110	21	38.61	11.05	14.80	11.05	21.92	34.21	1.22	4.79	0.00	3.68	45.26	60.00	1	32	12	3	2	1	17.82	806.53				
M0803	2.31	71	31	75.61	24.50	47.20	34.00	13.59	19.50	8.37	7.98	0.28	6.00	53.50	84.00	1	26	12	3	2	0			2.31	123.59		
M0812	8.63	54	21	51.35	14.50	30.25	22.00	13.64	19.50	11.88	1.92	1.91	4.00	41.50	60.00	1	18	8	3	2	1	8.63	358.15				
M0813	14.93	46	26	26.36	9.00	25.68	19.00	15.82	22.50	18.18	3.01	1.08	3.50	41.50	54.00	1	37	9	3	2	1	14.93	619.60				
M0813	2.53	46	26U	26.36	9.00	25.68	19.00	15.82	22.50	18.18	3.01	1.08	3.50	41.50	54.00	1	37	9	3	2	1	2.53	105.00				
M0814	8.04	46	26	75.97	20.00	35.27	22.50	5.64	8.75	2.96	8.54	2.11	10.00	31.25	61.25	1	19	21	3	2	0			8.04	251.25		
M0815	0.15	71	21	47.14	14.21	14.58	10.53	19.03	28.95	28.07	4.65	1.17	4.74	39.47	58.42	1	22	15	3	2	1	0.15	5.92				
M0825	0.85	48	26	27.09	8.00	32.12	24.00	15.55	20.50	24.91	4.32	3.44	8.00	44.50	60.50	1	25	14	3	2	1	0.85	37.83				
N0138	3.28	77	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					3.28	0.00
N0141	3.48	69	21	2.63	0.50	5.35	4.00	19.26	36.00	10.87	5.89	1.92	6.50	40.00	47.00	1	25	24	3	1	1	3.48	139.20				
O0220	23.64	73	21	13.10	3.68	26.75	19.47	19.23	27.37	10.86	2.42	0.67	3.16	46.84	53.68	1	19	6	3	1	1	23.64	1,107.30				
O0223	3.96	73	31	13.02	3.50	12.63	9.00	21.56	34.50	20.50	3.89	2.46	6.00	43.50	53.00	2	21	16	3	1	1	3.96	172.26				
O0224	27.13	69	31	20.99	6.11	13.46	9.44	9.44	15.00	7.12	1.94	0.44	1.67	24.44	32.22	2	37	9	3	1	0					27.13	663.06
116.75																						75.99	3,351.79	10.35	374.84	30.41	663.06

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
M0801	2010	65557	Repair Existing Training Area Roads, Phase 1	3.94	178.32				
M0812	2010	65557	Repair Existing Training Area Roads, Phase 1	1.72	71.38				
N0141	2010	65557	Repair Existing Training Area Roads, Phase 1	0.95	38.00				
O0220	2010	65557	Repair Existing Training Area Roads, Phase 1	1.74	81.50				
O0223	2010	65557	Repair Existing Training Area Roads, Phase 1	1.01	43.94				
O0224	2010	65557	Repair Existing Training Area Roads, Phase 1					5.56	135.89
TOTAL REMOVALS				9.36	413.14	0.00	0.00	5.56	135.89

POST-PROJECT		
	2010	
Suitable Habitat	Acres	BA
Suitable Habitat	66.63	2,938.65
Potentially Suitable Habitat	10.35	374.84
Future Potential Habitat	24.85	527.17
TOTAL	101.83	3,840.66

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:
21 = Longleaf Pine
26 = Mixed Pine-Longleaf
26U = Mixed Pine-Longleaf Underplanted
31 = Loblolly Pine
ND = no data provided

Stand Score
0=Unsuitable
1=Suitable

Appendix Table H-172. 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 **M08-02b, 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
M0801	17.82	110	21	38.61	11.05	14.80	11.05	21.92	34.21	1.22	4.79	0.00	3.68	45.26	60.00	1	32	12	3	2	4.77	PS			17.82	806.53		
M0803	2.31	71	31	75.61	24.50	47.20	34.00	13.59	19.50	8.37	7.98	0.28	6.00	53.50	84.00	1	26	12	3	2	4.32	PS				2.31	123.59	
M0812	8.63	54	21	51.35	14.50	30.25	22.00	13.64	19.50	11.88	1.92	1.91	4.00	41.50	60.00	1	18	8	3	2	4.19	PS			8.63	358.15		
M0813	14.93	46	26	26.36	9.00	25.68	19.00	15.82	22.50	18.18	3.01	1.08	3.50	41.50	54.00	1	37	9	3	2	4.44	PS			14.93	619.60		
M0813	2.53	46	26U	26.36	9.00	25.68	19.00	15.82	22.50	18.18	3.01	1.08	3.50	41.50	54.00	1	37	9	3	2	4.44	PS			2.53	105.00		
M0814	8.04	46	26	75.97	20.00	35.27	22.50	5.64	8.75	2.96	8.54	2.11	10.00	31.25	61.25	1	19	21	3	2	3.22	PS			8.04	251.25		
M0815	0.15	71	21	47.14	14.21	14.58	10.53	19.03	28.95	28.07	4.65	1.17	4.74	39.47	58.42	1	22	15	3	2	4.61	PS		0.15	5.92			
M0825	0.85	48	26	27.09	8.00	32.12	24.00	15.55	20.50	24.91	4.32	3.44	8.00	44.50	60.50	1	25	14	3	2	4.28	PS			0.85	37.83		
N0138	3.28	77	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			3.28	0.00		
N0141	3.48	69	21	2.63	0.50	5.35	4.00	19.26	36.00	10.87	5.89	1.92	6.50	40.00	47.00	1	25	24	3	1	4.46	CS	3.48	139.20				
O0220	23.64	73	21	13.10	3.68	26.75	19.47	19.23	27.37	10.86	2.42	0.67	3.16	46.84	53.68	1	19	6	3	1	4.55	CS	23.64	1,107.30				
O0223	3.96	73	31	13.02	3.50	12.63	9.00	21.56	34.50	20.50	3.89	2.46	6.00	43.50	53.00	2	21	16	3	1	4.58	CS	3.96	172.26				
O0224	27.13	69	31	20.99	6.11	13.46	9.44	9.44	15.00	7.12	1.94	0.44	1.67	24.44	32.22	2	37	9	3	1	4.14	PS			27.13	663.06		
																							31.08	1,418.76	17.97	812.45	67.70	2,158.48

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
M0801	2010	65557	Repair Existing Training Area Roads, Phase 1			3.94	178.32		
M0812	2010	65557	Repair Existing Training Area Roads, Phase 1					1.72	71.38
N0141	2010	65557	Repair Existing Training Area Roads, Phase 1	0.95	38.00				
O0220	2010	65557	Repair Existing Training Area Roads, Phase 1	1.74	81.50				
O0223	2010	65557	Repair Existing Training Area Roads, Phase 1	1.01	43.94				
O0224	2010	65557	Repair Existing Training Area Roads, Phase 1					5.56	135.89
TOTAL REMOVALS				3.70	163.44	3.94	178.32	7.28	207.27

POST-PROJECT		
	2010	BA
Suitable Habitat	27.38	1,255.32
Potentially Suitable Habitat	14.03	634.13
Future Potential Habitat	60.42	1,951.21
TOTAL	101.83	3,840.66

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
26 = Mixed Pine-Longleaf
26U = Mixed Pine-Longleaf Underplanted
31 = Loblolly Pine
ND = no data provided

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

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

Appendix Table H-173. 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 **M08-04, 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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
M0101	0.01	59	21	40.52	11.50	7.45	5.50	13.97	21.00	21.71	8.16	2.69	10.50	26.50	48.50	1	23	34	3	2	0					0.01	0.27																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
M0629	7.60	65	31	32.94	10.00	20.88	14.50	12.29	18.00	9.51	4.26	1.59	5.00	32.50	47.50	2	21	15	0	0	1	7.60	247.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
M0637	21.06	61	21	29.26	7.50	11.40	8.50	10.74	17.50	13.95	3.14	2.64	6.00	26.00	39.50	2	23	21	0	0	0				21.06	547.56																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
M0839	2.51	54	31	32.38	11.00	28.15	20.50	16.08	24.50	23.88	6.81	4.86	11.50	45.00	67.50	1	23	21	3	2	1	0.00	0.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
M0845	2.54	104	42**	14.36	4.50	13.62	9.50	5.14	7.00	25.04	5.75	4.23	11.50	16.50	32.50	5	16	35	3	2	0				0.00	0.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
M0847	11.80	54	31	53.41	16.00	30.89	22.50	9.85	12.50	22.31	12.62	2.46	12.50	35.00	63.50	2	20	27	3	2	1	0.00	0.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
M0848	65.83	61	31	84.10	23.00	23.23	16.00	4.90	6.50	17.92	3.13	1.25	4.00	22.50	49.50	1	22	13	3	2	0				65.83	1,481.18																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
M0853	42.57	55	31	31.69	9.50	28.57	20.50	8.87	12.00	11.54	15.91	5.14	18.00	32.50	60.00	7	13	36	3	2	0			42.57	1,383.53																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
M0854	15.05	78	21	21.33	6.00	31.55	22.50	10.85	14.50	6.95	1.81	0.50	1.50	37.00	44.50	1	13	5	3	2	1	15.05	556.85																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
M0855	16.22	78	31	22.89	8.00	28.72	20.00	14.62	20.50	1.02	3.48	2.37	6.50	40.50	55.00	1	20	12	3	2	1	16.22	656.91																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
M0859	0.86	61	31	84.10	23.00	23.23	16.00	4.90	6.50	17.92	3.13	1.25	4.00	22.50	49.50	1	22	13	3	2	0				0.86	19.35																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
O1405	5.05	85	10	32.84	11.00	15.71	10.50	3.87	5.00	34.38	8.04	1.57	7.50	15.50	34.00	1	25	33	3	1	0				5.05	78.28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
O1415	0.10	62	21	2.67	1.00	9.17	7.00	8.17	13.00	14.26	2.85	1.76	4.50	20.00	25.50	1	21	21	3	1	0				0.10	2.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
O1416	0.58	65	26	35.65	9.00	14.82	10.50	7.33	10.50	5.15	1.61	1.20	3.50	21.00	33.50	7	22	11	3	1	0				0.58	12.18																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
O1417	13.77	66	31	29.64	8.00	17.15	12.50	12.89	19.00	14.72	6.46	3.00	9.50	31.50	49.00	2	20	24	3	1	1	13.77	433.76																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
O1423	2.29	87	42**	11.70	3.50	12.76	9.50	9.76	14.50	26.77	19.26	3.01	18.00	24.00	45.50	7	24	50	3	1	0				0.00	0.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
pp339*	6.32	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				6.32	0.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
pp745*	0.36	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				0.36	0.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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Appendix Table H-174. 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 **M08-04R, 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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
M0101	0.01	59	21	40.52	11.50	7.45	5.50	13.97	21.00	21.71	8.16	2.69	10.50	26.50	48.50	1	23	34	3	2	4.03	PS				0.01	0.27																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
M0629	7.60	65	31	32.94	10.00	20.88	14.50	12.29	18.00	9.51	4.26	1.59	5.00	32.50	47.50	2	21	15	0	0	3.81	PS				7.60	247.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
M0637	21.06	61	21	29.26	7.50	11.40	8.50	10.74	17.50	13.95	3.14	2.64	6.00	26.00	39.50	2	23	21	0	0	3.75	PS				21.06	547.56																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
M0839	2.51	54	31	32.38	11.00	28.15	20.50	16.08	24.50	23.88	6.81	4.86	11.50	45.00	67.50	1	23	21	3	2	4.33	PS				0.00	0.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
M0845	2.54	104	42**	14.36	4.50	13.62	9.50	5.14	7.00	25.04	5.75	4.23	11.50	16.50	32.50	5	16	35	3	2	3.14	PS				0.00	0.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
M0847	11.80	54	31	53.41	16.00	30.89	22.50	9.85	12.50	22.31	12.62	2.46	12.50	35.00	63.50	2	20	27	3	2	3.63	PS				0.00	0.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
M0848	65.83	61	31	84.10	23.00	23.23	16.00	4.90	6.50	17.92	3.13	1.25	4.00	22.50	49.50	1	22	13	3	2	3.43	PS				65.83	1,481.18																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
M0853	42.57	55	31	31.69	9.50	28.57	20.50	8.87	12.00	11.54	15.91	5.14	18.00	32.50	60.00	7	13	36	3	2	3.10	PS				42.57	1,383.53																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
M0854	15.05	78	21	21.33	6.00	31.55	22.50	10.85	14.50	6.95	1.81	0.50	1.50	37.00	44.50	1	13	5	3	2	4.05	PS				15.05	556.85																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
M0855	16.22	78	31	22.89	8.00	28.72	20.00	14.62	20.50	1.02	3.48	2.37	6.50	40.50	55.00	1	20	12	3	2	4.47	PS				16.22	656.91																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
M0859	0.86	61	31	84.10	23.00	23.23	16.00	4.90	6.50	17.92	3.13	1.25	4.00	22.50	49.50	1	22	13	3	2	3.43	PS				0.86	19.35																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
O1405	5.05	85	10	32.84	11.00	15.71	10.50	3.87	5.00	34.38	8.04	1.57	7.50	15.50	34.00	1	25	33	3	1	3.11	PS				5.05	78.28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
O1415	0.10	62	21	2.67	1.00	9.17	7.00	8.17	13.00	14.26	2.85	1.76	4.50	20.00	25.50	1	21	21	3	1	3.63	PS				0.10	2.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
O1416	0.58	65	26	35.65	9.00	14.82	10.50	7.33	10.50	5.15	1.61	1.20	3.50	21.00	33.50	7	22	11	3	1	3.32	PS				0.58	12.18																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
O1417	13.77	66	31	29.64	8.00	17.15	12.50	12.89	19.00	14.72	6.46	3.00	9.50	31.50	49.00	2	20	24	3	1	3.89	PS				13.77	433.76																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
O1423	2.29	87	42**	11.70	3.50	12.76	9.50	9.76	14.50	26.77	19.26	3.01	18.00	24.00	45.50	7	24	50	3	1	3.32	PS				0.00	0.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
pp339*	6.32	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				6.32	0.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
pp745*	0.36	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				0.36	0.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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Appendix Table H-175. 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 **M08-04R, 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	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA	
M0101	0.01	59	21	40.52	11.50	7.45	5.50	13.97	21.00	21.71	8.16	2.69	10.50	26.50	48.50	1	23	34	3	2	0				0.01	0.27	
M0629	7.60	65	31	32.94	10.00	20.88	14.50	12.29	18.00	9.51	4.26	1.59	5.00	32.50	47.50	2	21	15	0	0	1	7.60	247.00				
M0637	21.06	61	21	29.26	7.50	11.40	8.50	10.74	17.50	13.95	3.14	2.64	6.00	26.00	39.50	2	23	21	0	0	0				21.06	547.56	
M0839	2.51	54	31	32.38	11.00	28.15	20.50	16.08	24.50	23.88	6.81	4.86	11.50	45.00	67.50	1	23	21	3	2	1	0.00	0.00				
M0845	2.54	104	42**	14.36	4.50	13.62	9.50	5.14	7.00	25.04	5.75	4.23	11.50	16.50	32.50	5	16	35	3	2	0				0.00	0.00	
M0847	11.80	54	31	53.41	16.00	30.89	22.50	9.85	12.50	22.31	12.62	2.46	12.50	35.00	63.50	2	20	27	3	2	1	0.00	0.00				
M0848	65.83	61	31	84.10	23.00	23.23	16.00	4.90	6.50	17.92	3.13	1.25	4.00	22.50	49.50	1	22	13	3	2	0				65.83	1,481.18	
M0853	42.57	55	31	31.69	9.50	28.57	20.50	8.87	12.00	11.54	15.91	5.14	18.00	32.50	60.00	7	13	36	3	2	0			42.57	1,383.53		
M0854	15.05	78	21	21.33	6.00	31.55	22.50	10.85	14.50	6.95	1.81	0.50	1.50	37.00	44.50	1	13	5	3	2	1	15.05	556.85				
M0855	16.22	78	31	22.89	8.00	28.72	20.00	14.62	20.50	1.02	3.48	2.37	6.50	40.50	55.00	1	20	12	3	2	1	16.22	656.91				
M0859	0.86	61	31	84.10	23.00	23.23	16.00	4.90	6.50	17.92	3.13	1.25	4.00	22.50	49.50	1	22	13	3	2	0				0.86	19.35	
O1405	5.05	85	10	32.84	11.00	15.71	10.50	3.87	5.00	34.38	8.04	1.57	7.50	15.50	34.00	1	25	33	3	1	0				5.05	78.28	
O1415	0.10	62	21	2.67	1.00	9.17	7.00	8.17	13.00	14.26	2.85	1.76	4.50	20.00	25.50	1	21	21	3	1	0				0.10	2.00	
O1416	0.58	65	26	35.65	9.00	14.82	10.50	7.33	10.50	5.15	1.61	1.20	3.50	21.00	33.50	7	22	11	3	1	0				0.58	12.18	
O1417	13.77	66	31	29.64	8.00	17.15	12.50	12.89	19.00	14.72	6.46	3.00	9.50	31.50	49.00	2	20	24	3	1	1	13.77	433.76				
O1423	2.29	87	42**	11.70	3.50	12.76	9.50	9.76	14.50	26.77	19.26	3.01	18.00	24.00	45.50	7	24	50	3	1	0				0.00	0.00	
pp339*	6.32	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				6.32	0.00	
pp745*	0.36	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				0.36	0.00	
214.52																						52.64	1,894.52	42.57	1,383.53	100.17	2,140.82

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
M0101	2010	65557	Repair Existing Training Area Roads, Phase 1					0.01	0.27
M0637	2010	65557	Repair Existing Training Area Roads, Phase 1					0.24	6.24
M0848	2010	65557	Repair Existing Training Area Roads, Phase 1					2.80	63.00
M0855	2010	65557	Repair Existing Training Area Roads, Phase 1		0.69	27.95			
M0859	2010	65557	Repair Existing Training Area Roads, Phase 1					0.09	2.03
O1405	2010	65557	Repair Existing Training Area Roads, Phase 1					2.02	31.31
O1417	2010	65557	Repair Existing Training Area Roads, Phase 1		1.94	61.11			
pp339*	2010	65557	Repair Existing Training Area Roads, Phase 1					1.08	0.00
TOTAL REMOVALS				2.63	89.06	0.00	0.00	6.24	102.85

POST-PROJECT			
	2010		
Suitable Habitat	50.01	1,805.46	BA
Potentially Suitable Habitat	42.57	1,383.53	
Future Potential Habitat	93.93	2,037.97	
TOTAL	186.51	5,226.96	

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	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 (managed for hardwoods)	
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-176. 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
M08-04R, 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
M0101	0.01	59	21	40.52	11.50	7.45	5.50	13.97	21.00	21.71	8.16	2.69	10.50	26.50	48.50	1	23	34	3	2	4.03	PS					0.01	0.27
M0629	7.60	65	31	32.94	10.00	20.88	14.50	12.29	18.00	9.51	4.26	1.59	5.00	32.50	47.50	2	21	15	0	0	3.81	PS					7.60	247.00
M0637	21.06	61	21	29.26	7.50	11.40	8.50	10.74	17.50	13.95	3.14	2.64	6.00	26.00	39.50	2	23	21	0	0	3.75	PS					21.06	547.56
M0839	2.51	54	31	32.38	11.00	28.15	20.50	16.08	24.50	23.88	6.81	4.86	11.50	45.00	67.50	1	23	21	3	2	4.33	PS					0.00	0.00
M0845	2.54	104	42**	14.36	4.50	13.62	9.50	5.14	7.00	25.04	5.75	4.23	11.50	16.50	32.50	5	16	35	3	2	3.14	PS					0.00	0.00
M0847	11.80	54	31	53.41	16.00	30.89	22.50	9.85	12.50	22.31	12.62	2.46	12.50	35.00	63.50	2	20	27	3	2	3.63	PS					0.00	0.00
M0848	65.83	61	31	84.10	23.00	23.23	16.00	4.90	6.50	17.92	3.13	1.25	4.00	22.50	49.50	1	22	13	3	2	3.43	PS					65.83	1,481.18
M0853	42.57	55	31	31.69	9.50	28.57	20.50	8.87	12.00	11.54	15.91	5.14	18.00	32.50	60.00	7	13	36	3	2	3.10	PS					42.57	1,383.53
M0854	15.05	78	21	21.33	6.00	31.55	22.50	10.85	14.50	6.95	1.81	0.50	1.50	37.00	44.50	1	12	5	3	2	4.05	PS					15.05	556.85
M0855	16.22	78	31	22.89	8.00	28.72	20.00	14.62	20.50	1.02	3.48	2.37	6.50	40.50	55.00	1	20	12	3	2	4.47	PS					16.22	656.91
M0859	0.86	61	31	84.10	23.00	23.23	16.00	4.90	6.50	17.92	3.13	1.25	4.00	22.50	49.50	1	22	13	3	2	3.43	PS					0.86	19.35
O1405	5.05	85	10	32.84	11.00	15.71	10.50	3.87	5.00	34.38	8.04	1.57	7.50	15.50	34.00	1	25	33	3	1	3.11	PS					5.05	78.28
O1415	0.10	62	21	2.67	1.00	9.17	7.00	8.17	13.00	14.26	2.85	1.76	4.50	20.00	25.50	1	21	21	3	1	3.63	PS					0.10	2.00
O1416	0.58	65	26	35.65	9.00	14.82	10.50	7.33	10.50	5.15	1.61	1.20	3.50	21.00	33.50	7	22	11	3	1	3.32	PS					0.58	12.18
O1417	13.77	66	31	29.64	8.00	17.15	12.50	12.89	19.00	14.72	6.46	3.00	9.50	31.50	49.00	2	20	24	3	1	3.89	PS					13.77	433.76
O1423	2.29	87	42**	11.70	3.50	12.76	9.50	9.76	14.50	26.77	19.26	3.01	18.00	24.00	45.50	7	24	50	3	1	3.32	PS					0.00	0.00
pp339*	6.32	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					6.32	0.00
pp745*	0.36	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					0.36	0.00
214.52																							0.00	0.00	0.00	0.00	195.38	5,418.87

REMOVALS							
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed
M0101	2010	65557	Repair Existing Training Area Roads, Phase 1				0.01
M0637	2010	65557	Repair Existing Training Area Roads, Phase 1				0.24
M0848	2010	65557	Repair Existing Training Area Roads, Phase 1				2.80
M0855	2010	65557	Repair Existing Training Area Roads, Phase 1				0.69
M0859	2010	65557	Repair Existing Training Area Roads, Phase 1				0.09
O1405	2010	65557	Repair Existing Training Area Roads, Phase 1				2.02
O1417	2010	65557	Repair Existing Training Area Roads, Phase 1				1.94
pp339*	2010	65557	Repair Existing Training Area Roads, Phase 1				1.08
TOTAL REMOVALS				0.00	0.00	0.00	8.87

POST-PROJECT		
	2010	
Suitable Habitat	0.00	0.00
Potentially Suitable Habitat	0.00	0.00
Future Potential Habitat	195.51	5,226.96
TOTAL	195.51	5,226.96

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	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		
* 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-177. 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 **M08-05R Alternatives A and B** for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT		Pine Age	Forest Type	Pine										Hwd		Total Stand BA (Pines + Hwds)	Midstory Height, Density	HGC (%)	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
Stand	Acres			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														
M0819	0.23	54	31	43.07	11.67	29.20	20.00	16.15	23.33	5.29	2.16	0.00	1.67	43.33	56.67	1	23	5	3	2	1	0.23	9.97					
M0825	1.51	48	26	27.09	8.00	32.12	24.00	15.55	20.50	24.91	4.32	3.44	8.00	44.50	60.50	1	25	14	3	2	1	1.51	67.20					
M0825	0.07	48	26U	27.09	8.00	32.12	24.00	15.55	20.50	24.91	4.32	3.44	8.00	44.50	60.50	1	25	14	3	2	1	0.07	3.12					
M0826	20.58	45	21	111.85	32.00	49.10	33.00	8.18	10.50	20.63	6.10	4.43	10.50	43.50	86.00	1	21	16	3	2	0			20.58	895.23			
M0827	11.13	45	22P	127.64	40.00	50.58	33.50	6.85	7.50	12.18	4.35	2.30	6.00	41.00	87.00	1	5	10	3	2	0			11.13	456.33			
M0828	15.54	42	26	102.18	31.00	45.91	32.00	7.69	9.50	10.86	7.84	5.85	13.00	41.50	85.50	5	13	20	3	2	0			15.54	644.91			
M0829	15.98	95	21	8.36	2.50	7.79	5.50	34.93	58.00	5.56	2.86	1.02	4.50	63.50	70.50	6	12	8	3	2	0			15.98	1,014.73			
M0830	10.77	50	13	54.90	16.00	33.01	22.50	5.78	8.50	42.10	11.72	3.98	14.00	31.00	61.00	5	13	29	3	2	0			10.77	333.87			
M0834	55.86	51	13	41.80	14.00	31.87	23.00	14.95	22.50	27.25	5.62	2.98	8.50	45.50	68.00	1	12	16	3	1	1	55.86	2,541.63					
M0835	2.15	24	31P	171.40	44.29	18.42	11.43	5.00	7.14	14.55	2.42	1.36	2.86	18.57	65.71	6	14	14	3	1	0					2.15	39.93	
M0836	8.45	70	31	43.27	12.00	28.99	21.50	12.05	18.00	19.71	13.28	5.74	17.00	39.50	68.50	1	19	32	3	2	1	8.45	333.78					
M0838	10.04	39	31	72.95	19.50	28.61	19.00	9.02	11.50	28.39	5.96	1.60	7.00	30.50	57.00	4	14	17	3	2	0			10.04	306.22			
M0839	28.27	64	31	32.38	11.00	28.15	20.50	16.08	24.50	23.88	6.81	4.86	11.50	45.00	67.50	1	23	21	3	2	1	28.27	1,272.15					
M0840	21.02	49	31	72.23	21.00	21.52	14.00	7.56	10.00	31.00	11.41	4.50	13.50	24.00	58.50	1	14	35	3	2	0					21.02	504.48	
M0860	14.06	49	31	72.23	21.00	21.52	14.00	7.56	10.00	31.00	11.41	4.50	13.50	24.00	58.50	1	14	35	3	2	0					14.06	337.44	
M0861	4.59	49	31	72.23	21.00	21.52	14.00	7.56	10.00	31.00	11.41	4.50	13.50	24.00	58.50	1	14	35	3	2	0					4.59	110.16	
O0104	0.44	42	21	12.29	4.50	12.76	9.50	8.78	12.00	8.79	2.69	0.88	4.00	21.50	30.00	1	21	14	3	1	0					0.44	9.46	
O0106	0.02	95	22P	59.79	21.00	40.23	26.50	9.52	14.00	13.01	4.99	2.44	6.00	40.50	67.50	2	8	13	3	1	0			0.02	0.81			
O0111	10.56	84	31	29.84	7.37	3.76	3.16	4.92	8.95	8.06	6.77	2.63	9.47	12.11	28.95	2	26	52	3	1	0					10.56	127.88	
O0117	0.79	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					0.00	0.00	
O0121	1.85	46	31	118.84	34.00	36.81	25.00	2.77	3.50	2.76	6.05	2.04	7.00	28.50	69.50	1	16	17	3	1	0					1.85	52.73	
O0124	0.33	40	31	50.76	15.00	27.06	19.50	12.69	17.50	15.71	2.65	0.57	2.50	37.00	54.50	1	26	7	3	1	1	0.33	12.21					
pp937*	13.79	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					13.79	0.00	
pp959*	0.13	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					0.13	0.00	
pp960*	4.45	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					4.45	0.00	
252.63																						94.72	4,240.06	84.06	3,652.10	73.04	1,182.08	

REMOVALS		Fiscal Year	Project Number	Project Name	Suitable Acreage		Potentially Suitable Acreage		Future Potential Acreage	
Stand	Year				Removed	Suitable BA Removed	Removed	Potentially Suitable BA Removed	Removed	Future Potential BA Removed
M0830	2009	69742		Northern Training Area Infrastructure-Upgrade Tank Trails			0.28	8.68		
O0104	2009	69742		Northern Training Area Infrastructure-Upgrade Tank Trails					0.37	7.96
O0106	2009	69742		Northern Training Area Infrastructure-Upgrade Tank Trails			0.02	0.81	0.28	3.39
O0111	2009	69742		Northern Training Area Infrastructure-Upgrade Tank Trails					0.09	0.00
pp959*	2009	69742		Northern Training Area Infrastructure-Upgrade Tank Trails					0.74	11.35
2009 SUB-TOTAL					0.00	0.00	0.30	9.49	0.74	11.35
M0827	2010	65557		Repair Existing Training Area Roads, Phase 1			0.01	0.41		
M0830	2010	65557		Repair Existing Training Area Roads, Phase 1			1.53	47.43		
M0840	2010	65557		Repair Existing Training Area Roads, Phase 1					0.03	0.72
M0860	2010	65557		Repair Existing Training Area Roads, Phase 1					2.31	55.44
O0104	2010	65557		Repair Existing Training Area Roads, Phase 1					0.07	1.51
O0111	2010	65557		Repair Existing Training Area Roads, Phase 1					2.83	34.27
O0124	2010	65557		Repair Existing Training Area Roads, Phase 1						
2010 SUB-TOTAL					0.26	9.62	1.54	47.84	5.24	91.94
TOTAL REMOVALS					0.26	9.62	1.84	57.33	5.98	103.29

POST-PROJECT		2009		2010	
Suitable Habitat	Acres	BA	Acres	BA	Acres
Potentially Suitable Habitat	94.72	4,240.06	94.46	4,230.44	
Future Potential Habitat	83.76	3,642.61	82.22	3,594.77	
TOTAL	250.78	9,053.40	243.74	8,904.00	

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	13 = Loblolly Pine-Hardwood	
2 = low, moderate	21 = Longleaf Pine	
3 = low, dense	21P = Longleaf Pine Plantation	
4 = medium, sparse	22P = Slash Pine Plantation	
5 = tall, sparse	26 = Mixed Pine-Longleaf	
6 = medium, moderate	26U = Mixed Pine-Longleaf Underplanted	
7 = tall, moderate	31 = Loblolly Pine	
8 = medium, dense	31P = Loblolly Pine Plantation	
9 = tall, dense	NM = not managed	

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

Appendix Table H-178. 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 **M08-05R, 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	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
M0818	0.23	54	31	43.07	11.67	29.20	20.00	16.15	23.33	5.29	2.16	0.00	1.67	43.33	56.67	1	23	5	3	2	4.43	PS					0.23	9.97
M0825	1.51	48	26	27.09	8.00	32.12	24.00	15.55	20.50	24.91	4.32	3.44	8.00	44.50	60.50	1	25	14	3	2	4.28	PS					1.51	67.20
M0825	0.07	48	26U	27.09	8.00	32.12	24.00	15.55	20.50	24.91	4.32	3.44	8.00	44.50	60.50	1	25	14	3	2	4.28	PS					0.07	3.12
M0826	20.58	45	21	111.85	32.00	49.10	33.00	8.18	10.50	20.63	6.10	4.43	10.50	43.50	86.00	1	21	16	3	2	3.57	PS					20.58	895.23
M0827	11.13	45	22P	127.64	40.00	50.58	33.50	6.85	7.50	12.18	4.35	2.30	6.00	41.00	87.00	1	5	10	3	2	3.23	PS					11.13	456.33
M0829	15.54	42	26	102.18	31.00	45.91	32.00	7.69	9.50	10.86	7.84	5.85	13.00	41.50	85.50	5	13	20	3	2	3.04	PS					15.54	644.91
M0829	15.98	95	21	8.36	2.50	7.79	5.50	34.93	58.00	5.56	2.86	1.02	4.50	63.50	70.50	6	12	8	3	2	4.47	PS			15.98	1,014.73		
M0830	10.77	50	13	54.90	16.00	33.01	22.50	5.78	8.50	42.10	11.72	3.98	14.00	31.00	61.00	5	13	29	3	2	3.06	PS					10.77	333.87
M0834	55.86	51	13	41.80	14.00	31.87	23.00	14.95	22.50	27.25	5.62	2.98	8.50	45.50	68.00	1	12	16	3	1	4.11	PS					55.86	2,541.63
M0835	2.15	24	31P	171.40	44.29	18.42	11.43	5.00	7.14	14.55	2.42	1.36	2.86	18.57	65.71	6	14	14	3	1	2.32	NH					2.15	39.93
M0836	8.45	70	31	43.27	12.00	28.99	21.50	12.05	18.00	19.71	13.28	5.74	17.00	39.50	68.50	1	19	32	3	2	3.87	PS					8.45	333.78
M0838	10.04	39	31	72.95	19.50	28.61	19.00	9.02	11.50	28.39	5.96	1.60	7.00	30.50	57.00	4	14	17	3	2	3.25	PS					10.04	306.22
M0839	28.27	54	31	32.38	11.00	28.15	20.50	16.08	24.50	23.88	6.81	4.86	11.50	45.00	67.50	1	23	21	3	2	4.33	PS					28.27	1,272.15
M0840	21.02	49	31	72.23	21.00	21.52	14.00	7.56	10.00	31.00	11.41	4.50	13.50	24.00	58.50	1	14	35	3	2	3.18	PS					21.02	504.48
M0860	14.06	49	31	72.23	21.00	21.52	14.00	7.56	10.00	31.00	11.41	4.50	13.50	24.00	58.50	1	14	35	3	2	3.18	PS					14.06	337.44
M0861	4.59	49	31	72.23	21.00	21.52	14.00	7.56	10.00	31.00	11.41	4.50	13.50	24.00	58.50	1	14	35	3	2	3.18	PS					4.59	110.16
O0104	0.44	42	21	12.29	4.50	12.76	9.50	8.78	12.00	8.79	2.69	0.88	4.00	21.50	30.00	1	21	14	3	1	3.42	PS					0.44	9.46
O0106	0.02	95	22P	59.79	21.00	40.23	26.50	9.52	14.00	13.01	4.99	2.44	6.00	40.50	67.50	2	8	13	3	1	3.70	PS					0.02	0.81
O0111	10.56	84	31	29.84	7.37	3.76	3.16	4.92	8.95	8.06	6.77	2.63	9.47	12.11	28.95	2	26	52	3	1	3.14	PS					10.56	127.88
O0117	0.79	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					0.00	0.00
O0121	1.85	46	31	118.84	34.00	36.81	25.00	2.77	3.50	2.76	6.05	2.04	7.00	28.50	69.50	1	16	17	3	1	2.72	PS					1.85	52.73
O0124	0.33	40	31	50.76	15.00	27.06	19.50	12.69	17.50	15.71	2.65	0.57	2.50	37.00	54.50	1	26	7	3	1	3.80	PS					0.33	12.21
pp937*	13.79	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					13.79	0.00
pp959*	0.13	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					0.13	0.00
pp960*	4.45	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	1.91	NH					4.45	0.00
252.63																							0.00	0.00	15.98	1,014.73	235.84	8,059.51

REMOVALS							
Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed
M0830	2009	69742	Northern Training Area Infrastructure-Upgrade Tank Trails				0.28
O0104	2009	69742	Northern Training Area Infrastructure-Upgrade Tank Trails				0.37
O0106	2009	69742	Northern Training Area Infrastructure-Upgrade Tank Trails				0.02
O0111	2009	69742	Northern Training Area Infrastructure-Upgrade Tank Trails				0.28
pp959*	2009	69742	Northern Training Area Infrastructure-Upgrade Tank Trails				0.09
2009 SUB-TOTAL				0.00	0.00	0.00	1.04
M0827	2010	65557	Repair Existing Training Area Roads, Phase 1				0.01
M0830	2010	65557	Repair Existing Training Area Roads, Phase 1				1.53
M0840	2010	65557	Repair Existing Training Area Roads, Phase 1				0.03
M0860	2010	65557	Repair Existing Training Area Roads, Phase 1				2.31
O0104	2010	65557	Repair Existing Training Area Roads, Phase 1				0.07
O0111	2010	65557	Repair Existing Training Area Roads, Phase 1				2.83
O0124	2010	65557	Repair Existing Training Area Roads, Phase 1				0.26
2010 SUB-TOTAL				0.00	0.00	0.00	7.04
TOTAL REMOVALS				0.00	0.00	0.00	8.08

POST-PROJECT							
	2009			2010			
Suitable Habitat	Acres	BA		Acres	BA		
Potentially Suitable Habitat	15.98	1,014.73		15.98	1,014.73		
Future Potential Habitat	234.80	8,038.67		227.76	7,889.27		
TOTAL	250.78	9,053.40		243.74	8,904.00		

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	13 = Loblolly Pine-Hardwood	
2 = low, moderate	21 = Longleaf Pine	
3 = low, dense	21P = Longleaf Pine Plantation	
4 = medium, sparse	22P = Slash Pine Plantation	
5 = tall, sparse	26 = Mixed Pine-Longleaf	
6 = medium, moderate	26U = Mixed Pine-Longleaf Underplanted	
7 = tall, moderate	31 = Loblolly Pine	
8 = medium, dense	31P = Loblolly Pine Plantation	
9 = tall, dense	NM = not managed	
* Note: No pine data was collected for pine plantation stands less than 30 years old.		

Appendix Table H-179. 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 **N01-02 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
N0110	1.66	79	21	10.97	4.00	11.58	9.00	28.47	46.50	3.95	2.04	0.45	2.50	55.50	62.00	2	43	6	3	1	1	0.00	0.00				
N0114	3.00	85	31	63.02	21.00	35.03	23.00	10.29	16.50	6.74	8.05	0.48	5.50	39.50	66.00	5	27	16	3	1	0						
N0116	20.41	74	21	13.49	4.00	8.64	6.50	24.65	39.50	1.55	0.00	0.00	0.00	46.00	50.00	2	28	0	3	1	1	20.41	938.86		0.00	0.00	
N0119	16.68	87	21	8.39	2.94	8.03	5.88	7.05	12.94	1.53	0.00	0.00	0.00	18.82	21.76	1	42	0	3	1	0					16.68	313.92
N0120	10.46	95	31	0.00	0.00	14.87	10.00	20.53	38.00	8.58	3.20	0.67	3.00	48.00	51.00	8	21	10	3	1	0				10.46	502.08	
N0121	26.44	43	22P	45.49	15.50	50.49	34.50	3.66	4.50	0.00	0.00	0.00	0.00	39.00	54.50	2	38	0	3	1	1	26.44	1,031.16				
N0122	18.41	68	31	9.47	3.00	18.94	13.50	10.13	16.50	2.17	0.00	0.35	1.00	30.00	34.00	1	38	1	3	1	1	18.41	552.30				
N0123	14.52	43	31	8.96	3.33	34.84	26.00	15.40	21.33	1.58	0.00	0.47	0.67	47.33	51.33	6	34	1	3	1	0				14.52	687.23	
N0125	5.42	85	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
O0202	1.86	71	21	64.72	16.25	17.19	11.25	6.10	8.75	18.24	1.30	1.49	3.75	20.00	40.00	2	26	11	3	1	0					1.86	37.20
O0204	4.35	71	31	17.20	4.50	14.29	10.00	12.50	24.50	6.00	0.76	0.97	3.00	34.50	42.00	7	27	6	3	1	0				4.35	150.08	
O0210	0.08	50	31	17.16	5.00	18.22	13.00	9.77	16.00	10.92	2.29	0.34	2.00	29.00	36.00	2	27	9	3	1	0					0.00	0.00
pp697*	3.41	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					3.41	0.00
pp698*	1.87	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					1.87	0.00
pp809*	9.77	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					9.77	0.00
138.34																											

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
N0121	2010	65557	Repair Existing Training Area Roads, Phase 1	0.98	38.22				
N0123	2010	65557	Repair Existing Training Area Roads, Phase 1			1.31	62.00		
O0202	2010	65557	Repair Existing Training Area Roads, Phase 1					1.02	20.40
O0204	2010	65557	Repair Existing Training Area Roads, Phase 1			1.05	36.23		
TOTAL REMOVALS				0.98	38.22	2.36	98.23	1.02	20.40

POST-PROJECT		
	2010	
Suitable Habitat	Acres	BA
Suitable Habitat	64.28	2,484.10
Potentially Suitable Habitat	26.97	1,241.16
Future Potential Habitat	32.57	330.72
TOTAL	123.82	4,055.98

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	22P = Slash Pine Plantation	
4 = medium, sparse	31 = Loblolly Pine	
5 = tall, sparse	ND = no data provided	
6 = medium, moderate		
7 = tall, moderate		
8 = medium, dense		
9 = tall, 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-180. 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 **N01-02, 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	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA																				
N0110	1.66	79	21	10.97	4.00	11.58	9.00	28.47	46.50	3.95	2.04	0.45	2.50	55.50	62.00	2	43	6	3	1	4.85	CS	0.00	0.00																								
N0114	3.00	85	31	63.02	21.00	35.03	23.00	10.29	16.50	6.74	8.05	0.48	5.50	39.50	66.00	5	27	16	3	1	3.76	PS					3.00	118.50																				
N0116	20.41	74	21	13.49	4.00	8.64	6.50	24.65	39.50	1.55	0.00	0.00	0.00	46.00	50.00	2	28	0	3	1	4.65	CS	20.41	938.86																								
N0119	16.68	87	21	8.39	2.94	8.03	5.88	7.05	12.94	1.53	0.00	0.00	0.00	18.82	21.76	1	42	0	3	1	3.91	PS			16.68	313.92																						
N0120	10.46	95	31	0.00	0.00	14.87	10.00	20.53	38.00	8.58	3.20	0.67	3.00	48.00	51.00	8	21	10	3	1	4.30	PS			10.46	502.08																						
N0121	26.44	43	22P	45.49	15.50	50.49	34.50	3.66	4.50	0.00	0.00	0.00	0.00	39.00	54.50	2	38	0	3	1	3.18	PS					26.44	1,031.16																				
N0122	18.41	68	31	9.47	3.00	18.94	13.50	10.13	16.50	2.17	0.00	0.35	1.00	30.00	34.00	1	38	1	3	1	4.20	PS					18.41	552.30																				
N0123	14.52	43	31	8.96	3.33	34.84	26.00	15.40	21.33	1.58	0.00	0.47	0.67	47.33	51.33	6	34	1	3	1	4.09	PS					14.52	687.23																				
N0125	5.42	85	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					0.00	0.00																				
O0202	1.86	71	21	64.72	16.25	17.19	11.25	6.10	8.75	18.24	1.30	1.49	3.75	20.00	40.00	2	26	11	3	1	3.46	PS					1.86	37.20																				
O0204	4.35	71	31	17.20	4.50	14.29	10.00	12.50	24.50	6.00	0.76	0.97	3.00	34.50	42.00	7	27	6	3	1	3.95	PS					4.35	150.08																				
O0210	0.08	50	31	17.16	5.00	18.22	13.00	9.77	16.00	10.92	2.29	0.34	2.00	29.00	38.00	2	27	9	3	1	3.96	PS					0.00	0.00																				
pp697*	3.41	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					3.41	0.00																				
pp698*	1.87	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					1.87	0.00																				
pp809*	9.77	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	1.91	NH					9.77	0.00																				
138.34																																											20.41	938.86	10.46	502.08	100.31	2,890.39

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
N0121	2010	65557	Repair Existing Training Area Roads, Phase 1					0.98	38.22
N0123	2010	65557	Repair Existing Training Area Roads, Phase 1					1.31	62.00
O0202	2010	65557	Repair Existing Training Area Roads, Phase 1					1.02	20.40
O0204	2010	65557	Repair Existing Training Area Roads, Phase 1					1.05	36.23
TOTAL REMOVALS				0.00	0.00	0.00	0.00	4.36	156.85

POST-PROJECT			2010
Suitable Habitat	Acres	BA	20.41
Potentially Suitable Habitat	10.46	502.08	
Future Potential Habitat	95.95	2,733.54	
TOTAL	126.82	4,174.48	

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
22P = Slash Pine Plantation
31 = Loblolly Pine
ND = no data provided

* 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.

001-01, Alternative A for proposed Maneuver Center of Excellence projects, Muscogee and Chattahoochee Counties, Georgia.

PRE-PROJECT																Number of years		Matrix		Potentially		Future					
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 (Pines + Hwds)	Hwd Midstory Height, HGC (%)	% Hwd canopy	since last burn	Turn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA	
00109	0.10	59	31	17.62	5.50	18.71	13.00	15.97	22.00	6.10	5.31	2.75	8.00	35.00	48.50	3	21	19	3	1	1	0.10	3.50				
00110	1.48	23	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	3	1	1	0					0.00	0.00
00114	28.39	42	22P	77.71	26.00	44.44	26.00	3.82	5.00	1.43	1.59	1.44	2.50	33.00	61.50	2	25	3	5	0	0			28.30	933.90		
00116	15.61	61	31	6.68	2.00	9.18	7.00	15.59	24.50	4.22	0.00	0.28	1.00	31.50	34.50	1	37	1	3	1	1	15.61	491.72				
00122	35.04	81	26	12.83	4.00	17.01	12.50	14.63	22.00	7.94	6.55	2.78	8.50	34.50	47.00	2	28	23	3	1	1	35.04	1,208.88				
00123	22.72	86	31	7.65	2.50	12.49	9.00	21.91	38.00	4.56	2.44	1.17	3.00	47.00	52.50	1	21	9	3	1	1	22.72	1,067.84				
00126	0.05	83	31	33.82	9.50	17.96	13.00	18.34	28.00	22.55	12.49	3.17	12.50	41.00	63.00	7	23	30	3	1	0			0.05	2.05		
00127	1.70	45	31	37.95	12.50	44.49	27.50	0.00	0.00	0.00	0.00	0.00	0.00	27.50	40.00	2	20	0	3	1	0					1.70	46.75
01401	0.04	45	31	47.92	13.16	25.49	17.37	7.10	8.42	7.79	1.60	0.00	1.05	25.79	40.00	1	29	5	3	1	0					0.04	1.03
01402	11.53	81	21	3.60	1.00	6.57	5.00	21.15	31.00	11.40	3.05	3.10	7.00	36.00	44.00	1	20	18	3	1	1	11.53	415.08				
01506	24.89	86	31	14.39	4.21	14.37	14.00	14.00	29.01	10.95	6.75	1.79	26.79	34.00	58.42	2	4	39	3	1	1	24.89	904.00				
01510	0.83	75	21	17.79	5.00	9.59	7.00	16.57	28.50	1.63	4.66	4.00	9.00	35.50	49.50	1	15	25	3	1	1	0.83	29.47				
pp373*	5.70	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					5.70	0.00
pp958*	1.81	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					1.81	0.00
149.80																110.72	4,120.49	28.35	935.95	9.25	47.78						

REMOVALS				Suitable Acreage	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
Stand	Fiscal Year	Project Number	Project Name	Removed	Suitable BA Removed	Removed	Removed	Removed
O0122	2009	69741	Training Area Infrastructure 19 DIK OSUT-Upgrade Tank Trails	1.00	34.50			
O0123	2009	69742	Northern Training Area Infrastructure	1.07	60.29			
O0123	2009	69741	Training Area Infrastructure 19 DIK OSUT-Upgrade Tank Trails	1.63	76.61			
O0127	2009	69741	Training Area Infrastructure 19 DIK OSUT-Upgrade Tank Trails				0.30	8.25
O1401	2009	69741	Training Area Infrastructure 19 DIK OSUT-Upgrade Tank Trails				0.04	1.03
O1402	2009	69741	Training Area Infrastructure 19 DIK OSUT-Upgrade Tank Trails	1.03	37.08			
O1506	2009	69742	Northern Training Area Infrastructure	1.24	45.04			
O1506	2009	69741	Training Area Infrastructure 19 DIK OSUT-Upgrade Tank Trails	4.03	146.37			
TOTAL REMOVALS				10.00	389.89	0.00	0.00	9.28

<u>POST-PROJECT</u>	<u>2009</u>	
	<u>Acres</u>	<u>BA</u>
<u>Suitable Habitat</u>	100.72	3,730.60
<u>Potentially Suitable Habitat</u>	28.35	935.95
<u>Future Potential Habitat</u>	<u>8.91</u>	<u>38.50</u>
<u>TOTAL</u>	137.98	4,705.05

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	2= growing season	
hgc = herbaceous ground cover		
Hardwood Midsity:	Forest Type:	
1 = low, sparse	21 = Longleaf ¹ Pine	
2 = low, moderate	21P = Longleaf ¹ Pine Plantation	
3 = low, dense	22P = Slash Pine Plantation	
4 = medium, sparse	26 = Mixed Pine-Longleaf	
5 = tall, sparse	31 = Loblolly Pine	
6 = medium, moderate	NM = not managed	
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-182. 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 **001-01, 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																				
O0109	0.10	59	31	17.62	5.50	18.71	13.00	15.97	22.00	6.10	5.31	2.75	8.00	35.00	48.50	3	21	19	3	1	4.18	PS					0.10	3.50																				
O0110	1.48	23	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																				
O0114	28.30	42	22P	77.71	26.00	44.34	28.00	3.82	5.00	1.43	1.59	1.44	2.50	33.00	61.50	2	25	6	3	1	3.17	PS					28.30	933.90																				
O0116	15.61	61	31	6.68	2.00	9.18	7.00	15.59	24.50	4.22	0.00	0.28	1.00	31.50	34.50	1	37	1	3	1	4.49	PS					15.61	491.72																				
O0122	35.04	81	26	12.83	4.00	17.01	12.50	14.63	22.00	7.94	6.55	2.78	8.50	34.50	47.00	2	28	23	3	1	4.32	PS					35.04	1,208.88																				
O0123	22.72	86	31	7.65	2.50	12.49	9.00	21.91	38.00	4.56	2.44	1.17	3.00	47.00	52.50	1	21	9	3	1	4.65	CS	22.72	1,067.84																								
O0126	0.05	83	31	33.82	9.50	17.96	13.00	18.34	28.00	22.55	12.49	3.17	12.50	41.00	63.00	7	23	30	3	1	4.01	PS			0.05	2.05																						
O0127	1.70	45	31	37.95	12.50	44.49	27.50	0.00	0.00	0.00	0.00	0.00	0.00	27.50	40.00	2	20	0	3	1	3.04	PS					1.70	46.75																				
O1401	0.04	45	31	47.92	13.16	25.49	17.37	7.10	8.42	7.79	1.64	0.00	1.05	25.79	40.00	1	29	5	3	1	3.27	PS					0.04	1.03																				
O1402	11.53	81	21	3.60	1.00	6.57	5.00	21.15	31.00	11.40	3.05	3.10	7.00	36.00	44.00	1	20	18	3	1	4.47	CS	11.53	415.08																								
O1506	24.89	85	31	14.39	4.21	14.27	10.53	14.00	25.79	29.01	10.99	6.75	17.89	36.32	58.42	2	4	39	3	1	3.99	PS					24.89	904.00																				
O1510	0.83	75	21	17.79	5.00	9.59	7.00	16.57	28.50	1.63	4.66	4.07	9.00	35.50	49.50	1	15	25	3	1	4.15	PS					0.83	29.47																				
pp373*	5.70	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					5.70	0.00																				
pp958*	1.81	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					1.81	0.00																				
149.80																																											34.25	1,482.92	0.05	2.05	114.02	3,619.25

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
O0122	2009	69741	Training Area Infrastructure 19 D/K OSUT-Upgrade Tank Trails					1.00	34.50
O0123	2009	69742	Northern Training Area Infrastructure	1.07		50.29			
O0123	2009	69741	Training Area Infrastructure 19 D/K OSUT-Upgrade Tank Trails	1.63		76.61			
O0127	2009	69741	Training Area Infrastructure 19 D/K OSUT-Upgrade Tank Trails					0.30	8.25
O1401	2009	69741	Training Area Infrastructure 19 D/K OSUT-Upgrade Tank Trails					0.04	1.03
O1402	2009	69741	Training Area Infrastructure 19 D/K OSUT-Upgrade Tank Trails	1.03		37.08			
O1506	2009	69742	Northern Training Area Infrastructure					1.24	45.04
O1506	2009	69741	Training Area Infrastructure 19 D/K OSUT-Upgrade Tank Trails					4.03	146.37
TOTAL REMOVALS				3.73	163.98	0.00	0.00	6.61	235.19

POST-PROJECT			2009
Suitable Habitat	Acres	BA	
Potentially Suitable Habitat	30.52	1,318.94	
Future Potential Habitat	0.05	2.05	
TOTAL	107.41	3,384.06	
	137.98	4,705.05	

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	21 = Longleaf Pine	
3 = low, dense	22P = Longleaf Pine Plantation	
4 = medium, sparse	22P = Slash Pine Plantation	
5 = tall, sparse	26 = Mixed Pine-Longleaf	
6 = medium, moderate	31 = Loblolly Pine	
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-183. 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 **001-01, 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	
O0109	0.10	59	31	17.62	5.50	18.71	13.00	15.97	22.00	6.10	5.31	2.75	8.00	35.00	48.50	3	21	19	3	1	1		0.10	3.50				
O0110	1.48	23	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	
O0114	28.30	42	22P	77.71	26.00	44.34	28.00	3.82	5.00	1.43	1.59	1.44	2.50	33.00	61.50	2	25	6	3	1	0			28.30	933.90			
O0116	15.61	61	31	6.68	2.00	9.18	7.00	15.59	24.50	4.22	0.00	0.28	1.00	31.50	34.50	1	37	1	3	1	1	15.61	491.72					
O0122	35.04	81	26	12.83	4.00	17.01	12.50	14.63	22.00	7.94	6.55	2.78	8.50	34.50	47.00	2	28	23	3	1	1	35.04	1,208.88					
O0123	22.72	86	31	7.65	2.50	12.49	9.00	21.91	38.00	4.56	2.44	1.17	3.00	47.00	52.50	1	21	9	3	1	1	22.72	1,067.84					
O0126	0.05	83	31	33.82	9.50	17.96	13.00	18.34	28.00	22.55	12.49	3.17	12.50	41.00	63.00	7	23	30	3	1	0			0.05	2.05	1.70	46.75	
O0127	1.70	45	31	37.95	12.50	44.49	27.50	0.00	0.00	0.00	0.00	0.00	0.00	27.50	40.00	2	20	0	3	1	0					0.04	1.03	
O1401	0.04	45	31	47.92	13.16	25.49	17.37	7.10	8.42	7.79	1.64	0.00	1.05	25.79	40.00	1	29	5	3	1	0							
O1402	11.53	81	21	3.60	1.00	6.57	5.00	21.15	31.00	11.40	3.05	3.10	7.00	36.00	44.00	1	20	18	3	1	1	11.53	415.08					
O1506	24.89	85	31	14.39	4.21	14.27	10.53	14.00	25.79	29.01	10.99	6.75	17.89	36.32	58.42	2	4	39	3	1	1	24.89	904.00					
O1510	0.83	75	21	17.79	5.00	9.59	7.00	16.57	28.50	1.63	4.66	4.07	9.00	35.50	49.50	1	15	25	3	1	1	0.83	29.47					
pp373*	5.70	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					5.70	0.00	
pp958*	1.81	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					1.81	0.00	
149.80																						110.72	4,120.49	28.35	935.95	9.25	47.78	

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						
O0123	2009	69742	Northern Training Area Infrastructure-Upgrade Tank Trails	1.07	50.29				
O1506	2009	69742	Northern Training Area Infrastructure-Upgrade Tank Trails	1.24	45.04				
TOTAL REMOVALS				2.31	95.33	0.00	0.00	0.00	0.00

POST-PROJECT			2009
	Acres	BA	
Suitable Habitat	108.41	4,025.16	
Potentially Suitable Habitat	28.35	935.95	
Future Potential Habitat	9.25	47.78	
TOTAL	146.01	5,008.89	

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	21 = Longleaf Pine	
2 = low, moderate	21P = Longleaf Pine Plantation	
3 = low, dense	22P = Slash Pine Plantation	
4 = medium, sparse	26 = Mixed Pine-Longleaf	
5 = tall, sparse	31 = Loblolly Pine	
6 = medium, moderate	NM = not managed	
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-184. 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 **001-01, 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 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		
O0109	0.10	59	31	17.62	5.50	18.71	13.00	15.97	22.00	6.10	5.31	2.75	8.00	35.00	48.50	3	21	19	3	1	4.18	PS							0.10	3.50	
O0110	1.44	25	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	0	3	1	2.06	NH					0.00	0.00		
O0114	28.30	42	22P	77.71	26.00	44.34	28.00	3.82	5.00	1.43	1.59	1.44	2.50	33.00	61.50	2	25	6	3	1	3.17	PS							28.30	933.90	
O0116	15.61	61	31	6.68	2.00	9.18	7.00	15.59	24.50	4.22	0.00	0.28	1.00	31.50	34.50	1	37	1	3	1	4.49	PS							15.61	491.72	
O0122	35.04	81	26	12.83	4.00	17.01	12.50	14.63	22.00	7.94	6.55	2.78	8.50	34.50	47.00	2	28	23	3	1	4.32	PS							35.04	1,208.88	
O0123	22.72	86	31	7.65	2.50	12.49	9.00	21.91	38.00	4.56	2.44	1.17	3.00	47.00	52.50	1	21	9	3	1	4.65	CS		22.72	1,067.84						
O0126	0.05	83	31	33.82	9.50	17.96	13.00	18.34	28.00	22.55	12.49	3.17	12.50	41.00	63.00	7	23	30	3	1	4.01	PS				0.05	2.05				
O0127	1.70	45	31	37.95	12.50	44.49	27.50	0.00	0.00	0.00	0.00	0.00	0.00	27.50	40.00	2	20	0	3	1	3.04	PS							1.70	46.75	
O1401	0.04	45	31	47.92	13.16	25.49	17.37	7.10	8.42	7.79	1.64	0.00	1.05	25.79	40.00	1	29	5	3	1	3.27	PS							0.04	1.03	
O1402	11.53	81	21	3.60	1.00	6.57	5.00	21.15	31.00	11.40	3.05	3.10	7.00	36.00	44.00	1	20	18	3	1	4.47	CS		11.53	415.08						
O1506	24.89	85	31	14.39	4.21	14.27	10.53	14.00	25.79	29.01	10.99	6.75	17.89	36.32	58.42	2	4	39	3	1	3.99	PS							24.89	904.00	
O1510	0.83	75	21	17.79	5.00	9.59	7.00	16.57	28.50	1.63	4.66	4.07	9.00	35.50	49.50	1	15	25	3	1	4.15	PS							0.83	29.47	
pp373*	5.70	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	0.00	0	0	0	0	0	1.91	NH							5.70	0.00
pp958*	1.81	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							1.81	0.00
149.80																					34.25	1,482.92	0.05	2.05	114.02	3,619.25					

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
O0123	2009	69742	Northern Training Area Infrastructure-Upgrade Tank Trails				1.07	50.29
O1506	2009	69742	Northern Training Area Infrastructure-Upgrade Tank Trails				1.24	45.04
TOTAL REMOVALS				0.00	0.00	0.00	2.31	95.33

POST-PROJECT		
	2009	BA
Suitable Habitat	34.25	1,482.92
Potentially Suitable Habitat	0.05	2.05
Future Potential Habitat	111.71	3,523.92
TOTAL	146.01	5,008.89

Key:

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

Type Burn:
1= non-growing season
2= growing season

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

Appendix Table H-185. 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 **001-02, 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
M0840	11.57	49	31	72.23	21.00	21.52	14.00	7.56	10.00	31.00	11.41	4.50	13.50	24.00	58.50	1	14	35	3	2	0					11.57	277.68
M0859	22.23	61	31	84.10	23.00	23.23	16.00	4.90	6.50	17.92	3.13	1.25	4.00	22.50	49.50	1	22	13	3	2	0					22.23	500.18
M0860	0.02	49	31	72.23	21.00	21.52	14.00	7.56	10.00	31.00	11.41	4.50	13.50	24.00	58.50	1	14	35	3	2	0					0.02	0.48
M0861	14.12	49	31	72.23	21.00	21.52	14.00	7.56	10.00	31.00	11.41	4.50	13.50	24.00	58.50	1	14	35	3	2	0					14.12	338.88
O0117	0.48	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					0.00	0.00
O0121	12.26	46	31	118.84	34.00	36.81	25.00	2.77	3.50	2.76	6.05	2.04	7.00	28.50	69.50	1	16	17	3	1	0					12.26	349.41
O0122	4.25	81	26	12.83	4.00	17.01	12.50	14.63	22.00	7.94	6.55	2.78	8.50	34.50	47.00	2	28	23	3	1	1	4.25	146.63				
O0124	17.68	40	31	50.76	15.00	27.06	19.50	12.69	17.50	15.71	2.65	0.57	2.50	37.00	54.50	1	26	7	3	1	1	17.68	654.16				
O0125	33.01	82	42**	19.25	7.00	20.22	14.00	8.74	13.50	12.41	11.09	4.19	13.50	27.50	48.00	2	25	35	3	1	0					0.00	0.00
O0126	12.16	83	31	33.82	9.50	17.96	13.00	18.34	28.00	22.55	12.49	3.17	12.50	41.00	63.00	7	23	30	3	1	0						
O0127	2.87	45	31	37.95	12.50	44.49	27.50	0.00	0.00	0.00	0.00	0.00	0.00	27.50	40.00	2	20	0	3	1	0					2.87	78.93
O1401	10.66	45	31	47.92	13.16	25.49	17.37	7.10	8.42	7.79	1.64	0.00	1.05	25.79	40.00	1	29	5	3	1	0					10.66	274.92
O1402	2.12	81	21	3.60	1.00	6.57	5.00	21.15	31.00	11.40	3.05	3.10	7.00	36.00	44.00	1	20	18	3	1	1	2.12	76.32				
O1404	11.22	19	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
O1405	26.83	85	10	32.84	11.00	15.71	10.50	3.87	5.00	34.38	8.04	1.57	7.50	15.50	34.00	1	25	33	3	1	0					26.83	415.87
O1415	1.26	62	21	2.67	1.00	9.17	7.00	8.17	13.00	14.26	2.85	1.76	4.50	20.00	25.50	1	21	21	3	1	0					0.00	0.00
pp541*	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					0.29	0.00
pp960*	1.20	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					0.00	0.00
pp963*	1.62	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					1.62	0.00
pp964*	9.99	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					9.99	0.00
195.84																						24.05	877.11	12.16	498.56	112.46	2,236.35

REMOVALS				Suitable Acreage		Potentially Suitable	Potentially Suitable BA	Future Potential	Future Potential BA
Stand	Year	Fiscal	Project	Removed	Suitable BA Removed	Acreage Removed	Removed	Acreage Removed	Removed
M0859	2009	69741	Training Area Infrastructure-190DK OSUT-Upgrade Tank Trails					0.51	11.48
O0124	2009	69741	Training Area Infrastructure-190DK OSUT-Upgrade Tank Trails	1.57	58.09				
O0126	2009	69741	Training Area Infrastructure-190DK OSUT-Upgrade Tank Trails			0.61	25.01		
O0127	2009	69741	Training Area Infrastructure-190DK OSUT-Upgrade Tank Trails					0.72	19.80
O1401	2009	69741	Training Area Infrastructure-190DK OSUT-Upgrade Tank Trails					2.87	74.02
O1402	2009	69741	Training Area Infrastructure-190DK OSUT-Upgrade Tank Trails	0.04	1.44			1.87	23.87
O1405	2009	69741	Training Area Infrastructure-190DK OSUT-Upgrade Tank Trails					1.87	23.87
2009 SUB-TOTAL				1.61	59.53	0.61	25.01	5.97	129.17
M0840	2010	65557	Repair Existing Training Area Roads, Phase 1					0.96	23.04
M0859	2010	65557	Repair Existing Training Area Roads, Phase 1					2.81	63.23
M0860	2010	65557	Repair Existing Training Area Roads, Phase 1					0.02	0.48
M0861	2010	65557	Repair Existing Training Area Roads, Phase 1	4.00	148.00			1.74	41.76
O0124	2010	65557	Repair Existing Training Area Roads, Phase 1						
O1405	2010	65557	Repair Existing Training Area Roads, Phase 1					1.94	35.19
pp541*	2010	65557	Repair Existing Training Area Roads, Phase 1					0.29	0.00
2010 SUB-TOTAL				4.00	148.00	0.00	0.00	7.76	163.70
TOTAL REMOVALS				5.61	207.53	0.61	25.01	13.73	292.87

POST-PROJECT		2009		2010	
	Acres	BA	Acres	BA	
Suitable Habitat	22.44	817.58	18.44	669.58	
Potentially Suitable Habitat	11.55	473.55	11.55	473.55	
Future Potential Habitat	106.49	2,107.18	98.73	1,943.48	
TOTAL	140.48	3,398.31	128.72	3,086.61	

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
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	42** = Upland Hardwood-Yellow Pine (managed for hardwoods)	
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.		
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-186. 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 **001-02, 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		
M0840	11.57	49	31	72.23	21.00	21.52	14.00	7.56	10.00	31.00	11.41	4.50	13.50	24.00	58.50	1	14	35	3	2	3.18	PS					11.57	277.68		
M0859	22.23	61	31	84.10	23.00	23.23	16.00	4.90	6.50	17.92	3.13	1.25	4.00	22.50	49.50	1	22	13	3	2	3.43	PS					22.23	500.18		
M0860	0.02	49	31	72.23	21.00	21.52	14.00	7.56	10.00	31.00	11.41	4.50	13.50	24.00	58.50	1	14	35	3	2	3.18	PS					0.02	0.48		
M0861	14.12	49	31	72.23	21.00	21.52	14.00	7.56	10.00	31.00	11.41	4.50	13.50	24.00	58.50	1	14	35	3	2	3.18	PS					14.12	338.88		
O0117	0.48	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					0.00	0.00		
O0121	12.26	46	31	118.84	34.00	36.81	25.00	2.77	3.50	2.76	6.05	2.04	7.00	28.50	69.50	1	16	17	3	1	2.72	PS					12.26	349.41		
O0122	4.25	81	26	12.83	4.00	17.01	12.50	14.63	22.00	7.94	6.55	2.78	8.50	34.50	47.00	2	28	23	3	1	4.32	PS					4.25	146.63		
O0124	17.68	40	31	50.76	15.00	27.06	19.50	12.69	17.50	15.71	2.65	0.57	2.50	37.00	54.50	1	26	7	3	1	3.80	PS					17.68	654.16		
O0125	33.01	82	42**	19.25	7.00	20.22	14.00	8.74	13.50	12.41	11.09	4.19	13.50	27.50	48.00	2	25	35	3	1	3.56	PS					0.00	0.00		
O0126	12.16	83	31	33.82	9.50	17.96	13.00	18.34	28.00	22.55	12.49	3.17	12.50	41.00	63.00	7	23	30	3	1	4.01	PS			12.16	498.56				
O0127	2.87	45	31	37.95	12.50	44.49	27.50	0.00	0.00	0.00	0.00	0.00	0.00	27.50	40.00	2	20	0	3	1	3.04	PS					2.87	78.93		
O1401	10.66	45	31	47.92	13.16	25.49	17.37	7.10	8.42	7.79	1.64	0.00	1.05	25.79	40.00	1	29	5	3	1	3.27	PS					10.66	274.92		
O1402	2.12	81	21	3.60	1.00	6.57	5.00	21.15	31.00	11.40	3.05	3.10	7.00	36.00	44.00	1	20	18	3	1	4.47	CS	2.12	76.32						
O1404	11.22	19	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		
O1405	26.83	85	10	32.84	11.00	15.71	10.50	3.87	5.00	34.38	8.04	1.57	7.50	15.50	34.00	1	25	33	3	1	3.11	PS					26.83	415.87		
O1415	1.26	62	21	2.67	1.00	9.17	7.00	8.17	13.00	14.26	2.85	1.76	4.50	20.00	25.50	1	21	21	3	1	3.63	PS					0.00	0.00		
pp541*	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	1.91	NH					0.29	0.00		
pp960*	1.20	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					0.00	0.00		
pp963*	1.62	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					1.62	0.00		
pp964*	9.99	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					9.99	0.00		
195.84																									2.12	76.32	12.16	498.56	134.39	3,037.14

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	Removed	Removed	Removed	Removed	Removed	Removed
M0859	2009	69741	Training Area Infrastructure-19D/K OSUT-Upgrade Tank Trails											0.51	11.48
O0124	2009	69741	Training Area Infrastructure-19D/K OSUT-Upgrade Tank Trails											1.57	58.09
O0126	2009	69741	Training Area Infrastructure-19D/K OSUT-Upgrade Tank Trails									0.61	25.01		
O0127	2009	69741	Training Area Infrastructure-19D/K OSUT-Upgrade Tank Trails											0.72	19.80
O1401	2009	69741	Training Area Infrastructure-19D/K OSUT-Upgrade Tank Trails											2.87	74.02
O1402	2009	69741	Training Area Infrastructure-19D/K OSUT-Upgrade Tank Trails	0.04	1.44										
O1405	2009	69741	Training Area Infrastructure-19D/K OSUT-Upgrade Tank Trails											1.87	23.87
2009 SUB-TOTAL						0.04	1.44	0.61	25.01	7.54	187.26				
M0840	2010	65557	Repair Existing Training Area Roads, Phase 1											0.96	23.04
M0859	2010	65557	Repair Existing Training Area Roads, Phase 1											2.81	63.23
M0860	2010	65557	Repair Existing Training Area Roads, Phase 1											0.02	0.48
M0861	2010	65557	Repair Existing Training Area Roads, Phase 1											1.74	41.76
O0124	2010	65557	Repair Existing Training Area Roads, Phase 1											4.00	148.00
O1405	2010	65557	Repair Existing Training Area Roads, Phase 1											1.94	35.19
pp541*	2010	65557	Repair Existing Training Area Roads, Phase 1											0.29	0.00
2010 SUB-TOTAL						0.00	0.00	0.00	0.00	11.76	311.70				
TOTAL REMOVALS						0.04	1.44	0.61	25.01	19.30	498.96				

POST-PROJECT				2009		2010	
Suitable Habitat	Acres	BA		Acres	BA	Acres	BA
Potentially Suitable Habitat	2.08	74.88		2.08	74.88		
Future Potential Habitat	11.55	473.55		11.55	473.55		
TOTAL	126.85	2,849.88		115.09	2,538.18		
	140.48	3,398.31		128.72	3,086.61		

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hg= 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
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
42** = Upland Hardwood-Yellow Pine (managed for hardwoods)
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-187. 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 CI **001-02, 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
M0840	11.57	49	31	72.23	21.00	21.52	14.00	7.56	10.00	31.00	11.41	4.50	13.50	24.00	58.50	1	14	35	3	2	0				11.57	277.68	
M0859	22.23	61	31	84.10	23.00	23.23	16.00	4.90	6.50	17.92	3.13	1.25	4.00	22.50	49.50	1	22	13	3	2	0				22.23	500.18	
M0860	0.02	49	31	72.23	21.00	21.52	14.00	7.56	10.00	31.00	11.41	4.50	13.50	24.00	58.50	1	14	35	3	2	0				0.02	0.48	
M0861	14.12	49	31	72.23	21.00	21.52	14.00	7.56	10.00	31.00	11.41	4.50	13.50	24.00	58.50	1	14	35	3	2	0				14.12	338.88	
O0117	0.48	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				0.00	0.00	
O0121	12.26	46	31	118.84	34.00	36.81	25.00	2.77	3.50	2.76	6.05	2.04	7.00	28.50	69.50	1	16	17	3	1	0				12.26	349.41	
O0122	4.25	81	26	12.83	4.00	17.01	12.50	14.63	22.00	7.94	6.55	2.78	8.50	34.50	47.00	2	28	23	3	1	1	4.25	146.63				
O0124	17.68	40	31	50.76	15.00	27.06	19.50	12.69	17.50	15.71	2.65	0.57	2.50	37.00	54.50	1	26	7	3	1	1	17.68	654.16				
O0125	33.01	82	42**	19.25	7.00	20.22	14.00	8.74	13.50	12.41	11.09	4.19	13.50	27.50	48.00	2	25	35	3	1	0				0.00	0.00	
O0126	12.16	83	31	33.82	9.50	17.96	13.00	18.34	28.00	22.55	12.49	3.17	12.50	41.00	63.00	7	23	30	3	1	0			12.16	498.56		
O0127	2.87	45	31	37.95	12.50	44.49	27.50	0.00	0.00	0.00	0.00	0.00	0.00	27.50	40.00	2	20	0	3	1	0				2.87	78.93	
O1401	10.66	45	31	47.92	13.16	25.49	17.37	7.10	8.42	7.79	1.64	0.00	1.05	25.79	40.00	1	29	5	3	1	0				10.66	274.92	
O1402	2.12	81	21	3.60	1.00	6.57	5.00	21.15	31.00	11.40	3.05	3.10	7.00	36.00	44.00	1	20	18	3	1	1	2.12	76.32				
O1404	11.22	19	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	
O1405	26.83	85	10	32.84	11.00	15.71	10.50	3.87	5.00	34.38	8.04	1.57	7.50	15.50	34.00	1	25	33	3	1	0				26.83	415.87	
O1415	1.26	62	21	2.67	1.00	9.17	7.00	8.17	13.00	14.26	2.85	1.76	4.50	20.00	25.50	1	21	21	3	1	0				0.00	0.00	
pp541*	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				0.29	0.00	
pp960*	1.20	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				0.00	0.00	
pp963*	1.62	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				1.62	0.00	
pp964*	9.99	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				9.99	0.00	
195.84																						24.05	877.11	12.16	498.56	112.46	2,236.35

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
M0840	2010	65557	Repair Existing Training Area Roads, Phase 1						0.96	23.04
M0859	2010	65557	Repair Existing Training Area Roads, Phase 1						3.32	74.70
M0860	2010	65557	Repair Existing Training Area Roads, Phase 1						0.02	0.48
M0861	2010	65557	Repair Existing Training Area Roads, Phase 1						1.74	41.76
O0124	2010	65557	Repair Existing Training Area Roads, Phase 1	4.45	164.65					
O1405	2010	65557	Repair Existing Training Area Roads, Phase 1					2.27	35.19	
pp541*	2010	65557	Repair Existing Training Area Roads, Phase 1					0.29	0.00	
TOTAL REMOVALS				4.45	164.65	0.00	0.00	8.60	175.17	

POST-PROJECT		2010	
Suitable Habitat	Acres	BA	
Potentially Suitable Habitat	19.60	712.46	
Future Potential Habitat	12.16	498.56	
TOTAL	103.86	2,061.18	
	135.62	3,272.20	

Key:

BA = basal area
dbh = diameter at breast height
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
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
42** = Upland Hardwood-Yellow Pine (managed for hardwoods)
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 ...

Appendix Table H-188. 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 **001-02, 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
M0840	11.57	49	31	72.23	21.00	21.52	14.00	7.56	10.00	31.00	11.41	4.50	13.50	24.00	58.50	1	14	35	3	2	3.18	PS					11.57	277.68
M0859	22.23	61	31	84.10	23.00	23.23	16.00	4.90	6.50	17.92	3.13	1.25	4.00	22.50	49.50	1	22	13	3	2	3.43	PS					22.23	500.18
M0860	0.02	49	31	72.23	21.00	21.52	14.00	7.56	10.00	31.00	11.41	4.50	13.50	24.00	58.50	1	14	35	3	2	3.18	PS					0.02	0.48
M0861	14.12	49	31	72.23	21.00	21.52	14.00	7.56	10.00	31.00	11.41	4.50	13.50	24.00	58.50	1	14	35	3	2	3.18	PS					14.12	338.88
O0117	0.48	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					0.00	0.00
O0121	12.26	46	31	118.84	34.00	36.81	25.00	2.77	3.50	2.76	6.05	2.04	7.00	28.50	69.50	1	16	17	3	1	2.72	PS					12.26	349.41
O0122	4.25	81	26	12.83	4.00	17.01	12.50	14.63	22.00	7.94	6.55	2.78	8.50	34.50	47.00	2	28	23	3	1	4.32	PS					4.25	146.63
O0124	17.68	40	31	50.76	15.00	27.06	19.50	12.69	17.50	15.71	2.65	0.57	2.50	37.00	54.50	1	26	7	3	1	3.80	PS					17.68	654.16
O0125	33.01	82	42**	19.25	7.00	20.22	14.00	8.74	13.50	12.41	11.09	4.19	13.50	27.50	48.00	2	25	35	3	1	3.56	PS					0.00	0.00
O0126	12.16	83	31	33.82	9.50	17.96	13.00	18.34	28.00	22.55	12.49	3.17	12.50	41.00	63.00	7	23	30	3	1	4.01	PS		12.16	498.56			
O0127	2.87	45	31	37.95	12.50	44.49	27.50	0.00	0.00	0.00	0.00	0.00	0.00	27.50	40.00	2	20	0	3	1	3.04	PS					2.87	78.93
O1401	10.66	45	31	47.92	13.16	25.49	17.37	7.10	8.42	7.79	1.64	0.00	1.05	25.79	40.00	1	29	5	3	1	3.27	PS					10.66	274.92
O1402	2.12	81	21	3.60	1.00	6.57	5.00	21.15	31.00	11.40	3.05	3.10	7.00	36.00	44.00	1	20	18	3	1	4.47	CS	2.12	76.32				
O1404	11.22	19	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
O1405	26.83	85	10	32.84	11.00	15.71	10.50	3.87	5.00	34.38	8.04	1.57	7.50	15.50	34.00	1	25	33	3	1	3.11	PS					26.83	415.87
O1415	1.26	62	21	2.67	1.00	9.17	7.00	8.17	13.00	14.26	2.85	1.76	4.50	20.00	25.50	1	21	21	3	1	3.63	PS					0.00	0.00
pp541*	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	1.91	NH					0.29	0.00
pp960*	1.20	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					0.00	0.00
pp963*	1.62	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					1.62	0.00
pp964*	9.99	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					9.99	0.00
195.86																							2.12	76.32	12.16	498.56	134.39	3,037.14

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	Removed
M0840	2009	69742	Northern Training Area Infrastructure			0.96		23.04
M0859	2009	69742	Northern Training Area Infrastructure			3.32		74.70
M0860	2009	69742	Northern Training Area Infrastructure			0.02		0.48
M0861	2009	69742	Northern Training Area Infrastructure			1.74		41.76
O0124	2009	69742	Northern Training Area Infrastructure			4.45		164.65
O1405	2009	69742	Northern Training Area Infrastructure			2.27		35.19
pp541*	2009	69742	Northern Training Area Infrastructure			0.29		0.00
TOTAL REMOVALS				0.00	0.00	0.00	0.00	13.05
								339.82

POST-PROJECT			2009
Suitable Habitat	Acres	BA	2.12 76.32
Potentially Suitable Habitat	12.16	498.56	
Future Potential Habitat	121.34	2,697.32	
TOTAL	135.62	3,272.20	

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
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
42** =Upland Hardwood-Yellow Pine (managed for hardwoods)
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-189. 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 **001-03, 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	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA	
M0805	1.75	43	26	28.21	8.89	24.43	17.78	12.62	18.89	11.19	2.21	1.38	3.33	36.67	48.89	1	26	9	3	2	1	1.75	64.17					
M0806	8.40	43	22P	97.82	33.75	65.86	43.75	3.08	3.75	7.38	4.30	0.99	3.75	47.50	85.00	1	30	7	3	2	0			8.40	399.00			
M0807	5.44	43	26	98.22	22.00	3.26	2.00	1.49	2.00	0.00	0.00	0.00	0.00	4.00	26.00	1	18	0	3	2	0					5.44	21.76	
M0809	1.19	43	11	3.47	1.50	11.32	7.50	6.43	9.50	25.62	3.75	0.40	3.00	17.00	21.50	1	47	19	3	2	0					1.19	20.23	
M0810	0.07	43	22P	170.11	51.25	55.75	36.25	4.01	5.00	9.63	3.61	1.91	5.00	41.25	97.50	1	11	8	3	2	0			0.07	2.89			
M0811	0.54	54	31	15.10	5.00	47.25	35.00	40.36	65.00	11.19	2.84	1.96	5.00	100.00	110.00	1	3	5	3	2	1	0.54	54.00					
O0101	26.59	56	10	22.34	6.84	12.43	10.00	20.97	30.00	12.97	5.02	1.51	6.32	40.00	53.16	2	24	16	3	1	1	26.59	1,063.60					
O0103	19.90	39	31	18.87	6.00	21.13	15.00	6.22	9.00	1.11	2.89	1.74	4.50	24.00	34.50	2	29	14	3	1	0					19.90	477.60	
O0104	5.76	42	21	12.29	4.50	12.76	9.50	8.78	12.00	8.79	2.69	0.88	4.00	21.50	30.00	1	21	14	3	1	0					5.76	123.84	
O0219	6.57	32	31P	81.41	20.00	11.43	7.50	5.47	8.00	2.85	0.00	0.00	0.00	15.50	35.50	6	25	0	3	1	0					6.57	101.84	
O0220	3.35	73	21	13.10	3.68	26.75	19.47	19.23	27.37	10.86	2.42	0.67	3.16	46.84	53.68	1	19	6	3	1	1	3.35	156.91					
O0315	0.03	39	31	42.88	12.50	25.77	18.50	14.20	19.50	0.00	0.00	0.45	0.50	38.00	51.00	1	43	1	3	1	1	0.03	1.14					
O0333	53.97	42	31	55.21	17.78	43.16	30.00	11.80	15.00	19.12	2.30	1.62	3.89	45.00	66.67	2	29	7	3	1	1	53.97	2,428.05					
O0334	0.25	19	31P	267.23	52.00	0.00	0.00	0.00	0.00	3.85	0.00	0.00	0.00	0.00	52.00	1	35	0	3	1	0					0.25	0.00	
O0340	15.05	42	22	26.17	9.00	46.44	33.00	10.22	12.00	5.10	0.55	1.24	2.50	45.00	56.50	4	30	3	3	1	1			15.05	677.25			
pp533*	0.20	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					0.20	0.00	
pp534*	0.19	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					0.19	0.00	
pp628*	1.23	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					1.23	0.00	
pp629*	0.01	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					0.01	0.00	
150.49																							86.23	3,768.47	23.52	1,079.14	40.74	745.27

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								
M0807	2009	69742	Northern Training Area Infrastructure-Upgrade Tank Trails											0.06	0.24								
O0103	2009	69742	Northern Training Area Infrastructure-Upgrade Tank Trails											4.88	117.12								
O0219	2009	69742	Northern Training Area Infrastructure-Upgrade Tank Trails											0.25	3.88								
O0333	2009	69742	Northern Training Area Infrastructure-Upgrade Tank Trails							1.52	68.40												
O0340	2009	69742	Northern Training Area Infrastructure-Upgrade Tank Trails									3.58	161.10										
pp533*	2009	69742	Northern Training Area Infrastructure-Upgrade Tank Trails																				
2009 SUB-TOTAL										1.52	68.40	3.58	161.10	0.18	0.00					5.37	121.24		
M0805	2010	65557	Repair Existing Training Area Roads, Phase 1							0.24	8.80												
M0806	2010	65557	Repair Existing Training Area Roads, Phase 1									0.76	36.10										
M0807	2010	65557	Repair Existing Training Area Roads, Phase 1																	3.31	13.24		
M0811	2010	65557	Repair Existing Training Area Roads, Phase 1							0.31	31.00												
O0101	2010	65557	Repair Existing Training Area Roads, Phase 1							0.44	17.60												
O0103	2010	65557	Repair Existing Training Area Roads, Phase 1																	1.25	30.00		
O0104	2010	65557	Repair Existing Training Area Roads, Phase 1																	1.16	24.94		
O0219	2010	65557	Repair Existing Training Area Roads, Phase 1																	2.54	39.37		
O0220	2010	65557	Repair Existing Training Area Roads, Phase 1							1.16	54.33												
O0333	2010	65557	Repair Existing Training Area Roads, Phase 1							1.42	63.90												
pp534*	2010	65557	Repair Existing Training Area Roads, Phase 1																				
2010 SUB-TOTAL										3.57	175.63	0.76	36.10	0.12	0.00					8.38	107.55		
TOTAL REMOVALS										5.09	244.03	4.34	197.20	13.75	228.79								

POST-PROJECT									
		2009		2010					
		Acres	BA	Acres	BA				
Suitable Habitat		84.71	3,700.07	81.14	3,524.44				
Potentially Suitable Habitat		19.94	918.04	19.18	881.94				
Future Potential Habitat		35.37	624.93	26.99	516.48				
TOTAL		140.02	5,242.14	127.31	4,922.86				

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
11 = Longleaf Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
22 = Slash Pine
22P = Slash Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
31P = Loblolly Pine Plantation

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

Appendix Table H-190. 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 **001-03, 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 Hwds (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			
M0805	1.75	43	26	28.21	8.89	24.43	17.78	12.62	18.89	11.19	2.21	1.38	3.33	36.67	48.89	1	26	9	3	2	4.00	PS					1.75	64.17			
M0806	8.40	43	22P	97.82	33.75	65.86	43.75	3.08	3.75	7.38	4.30	0.99	3.75	47.50	85.00	1	30	7	3	2	3.27	PS					8.40	399.00			
M0807	5.44	43	26	98.22	22.00	3.26	2.00	1.49	2.00	0.00	0.00	0.00	0.00	4.00	26.00	1	18	0	3	2	2.95	PS					5.44	21.76			
M0809	1.19	43	11	3.47	1.50	11.32	7.50	6.43	9.50	25.62	3.75	0.40	3.00	17.00	21.50	1	47	19	3	2	3.52	PS					1.19	20.23			
M0810	0.07	43	22P	170.11	51.25	55.75	36.25	4.01	5.00	9.63	3.61	1.91	5.00	41.25	97.50	1	11	8	3	2	3.24	PS					0.07	2.89			
M0811	0.54	54	31	15.10	5.00	47.25	35.00	40.36	65.00	11.19	2.84	1.96	5.00	100.00	110.00	1	3	5	3	2	4.46	PS					0.54	54.00			
O0101	26.59	56	10	22.34	6.84	12.43	10.00	20.97	30.00	12.97	5.02	1.51	6.32	40.00	53.16	2	24	16	3	1	4.37	PS					26.59	1,063.60			
O0103	19.90	39	31	18.87	6.00	21.13	15.00	6.22	9.00	1.11	2.89	1.74	4.50	24.00	34.50	2	29	14	3	1	3.14	PS					19.90	477.60			
O0104	5.76	42	21	12.29	4.50	12.76	9.50	8.78	12.00	8.79	2.69	0.88	4.00	21.50	30.00	1	21	14	3	1	3.42	PS					5.76	123.84			
O0219	6.57	32	31P	81.41	20.00	11.43	7.50	5.47	8.00	2.85	0.00	0.00	0.00	15.50	35.50	6	25	0	3	1	2.82	PS					6.57	101.84			
O0220	3.35	73	21	13.10	3.68	26.75	19.47	19.23	27.37	10.86	2.42	0.67	3.16	46.84	53.68	1	19	6	3	1	4.55	CS	3.35	156.91							
O0315	0.03	39	31	42.88	12.50	25.77	18.50	14.20	19.50	0.00	0.00	0.45	0.50	38.00	51.00	1	43	1	3	1	4.01	PS					0.03	1.14			
O0333	53.97	42	31	55.21	17.78	43.16	30.00	11.80	15.00	19.12	2.30	1.62	3.89	45.00	66.67	2	29	7	3	1	3.41	PS					53.97	2,428.65			
O0334	0.25	19	31P	267.23	52.00	0.00	0.00	0.00	0.00	3.85	0.00	0.00	0.00	0.00	52.00	1	35	0	3	1	2.67	NH					0.25	0.00			
O0340	15.05	42	22	26.17	9.00	46.44	33.00	10.22	12.00	5.10	0.55	1.24	2.50	45.00	56.50	4	30	3	3	1	3.65	PS					15.05	677.25			
pp533*	0.20	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					0.20	0.00			
pp534*	0.19	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					0.19	0.00			
pp628*	1.23	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					1.23	0.00			
pp629*	0.01	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					0.01	0.00			
150.49																										3.35	156.91	0.00	0.00	147.14	5,435.97

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
M0807	2009	69742	Northern Training Area Infrastructure-Upgrade Tank Trails					0.06	0.24
O0103	2009	69742	Northern Training Area Infrastructure-Upgrade Tank Trails					4.88	117.12
O0219	2009	69742	Northern Training Area Infrastructure-Upgrade Tank Trails					0.25	3.88
O0333	2009	69742	Northern Training Area Infrastructure-Upgrade Tank Trails					1.52	68.40
O0340	2009	69742	Northern Training Area Infrastructure-Upgrade Tank Trails					3.58	161.10
pp533*	2009	69742	Northern Training Area Infrastructure-Upgrade Tank Trails					0.18	0.00
2009 SUB-TOTAL				0.00	0.00	0.00	0.00	10.47	350.74
M0805	2010	65557	Repair Existing Training Area Roads, Phase 1					0.24	8.80
M0806	2010	65557	Repair Existing Training Area Roads, Phase 1					0.76	36.10
M0807	2010	65557	Repair Existing Training Area Roads, Phase 1					3.31	13.24
M0811	2010	65557	Repair Existing Training Area Roads, Phase 1					0.31	31.00
O0101	2010	65557	Repair Existing Training Area Roads, Phase 1					0.44	17.60
O0103	2010	65557	Repair Existing Training Area Roads, Phase 1					1.25	30.00
O0104	2010	65557	Repair Existing Training Area Roads, Phase 1					1.16	24.94
O0219	2010	65557	Repair Existing Training Area Roads, Phase 1					2.54	39.37
O0220	2010	65557	Repair Existing Training Area Roads, Phase 1	1.16		54.33			
O0333	2010	65557	Repair Existing Training Area Roads, Phase 1					1.42	63.90
pp534*	2010	65557	Repair Existing Training Area Roads, Phase 1					0.12	0.00
2010 SUB-TOTAL				1.16	54.33	0.00	0.00	11.55	264.95
TOTAL REMOVALS				1.16	54.33	0.00	0.00	22.02	615.69

POST-PROJECT				
	2009		2010	
	Acres	BA	Acres	BA
Suitable Habitat	3.35	156.91	2.19	102.58
Potentially Suitable Habitat	0.00	0.00	0.00	0.00
Future Potential Habitat	136.67	5,085.23	125.12	4,820.28
TOTAL	140.02	5,242.14	127.31	4,922.86

Key:

BA= basal area
dbh= diameter at breast height
hw= hardwood
hg= herbaceous ground cover

Forest Type:
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
11 = Longleaf Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
22 = Slash Pine
22P = Slash Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
31P = Loblolly Pine Plantation

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

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-191. 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 **001-04R, 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	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
M0808	0.01	76	21	11.31	3.75	40.06	28.75	33.96	47.50	0.00	0.00	0.78	1.25	76.25	81.25	1	18	1	3	2	1	0.01	0.76				
M0809	0.72	43	11	3.47	1.50	11.32	7.50	6.43	9.50	25.62	3.75	0.40	3.00	17.00	21.50	1	47	19	3	2	0				0.72	12.24	
M0810	7.90	43	22P	170.11	51.25	55.75	36.25	4.01	5.00	9.63	3.61	1.91	5.00	41.25	97.50	1	11	8	3	2	0			7.90	325.88		
M0811	3.92	54	31	15.10	5.00	47.25	35.00	40.36	65.00	11.19	2.84	1.96	5.00	100.00	110.00	1	3	5	3	2	1	3.92	392.00				
M0817	3.44	63	21	56.08	13.75	28.51	20.00	3.25	3.75	16.90	3.66	7.91	12.50	23.75	50.00	1	34	27	3	2	0				3.44	81.70	
M0818	4.64	54	31	43.07	11.67	29.20	20.00	16.15	23.33	5.29	2.16	0.00	1.67	43.33	56.67	1	23	5	3	2	1	4.64	201.05				
M0819	13.74	45	22	98.96	27.00	51.93	34.00	3.43	4.00	15.24	1.87	0.44	1.50	38.00	66.50	6	26	4	3	2	0			13.74	522.12		
M0827	12.11	45	22P	127.64	40.00	50.58	33.50	6.85	7.50	12.18	4.35	2.30	6.00	41.00	87.00	1	5	10	3	2	0			12.11	496.51		
O0101	8.10	56	10	22.34	6.84	12.43	10.00	20.97	30.00	12.97	5.02	1.51	6.32	40.00	53.16	2	24	16	3	1	1	8.10	324.00				
O0104	27.15	42	21	12.29	4.50	12.76	9.50	8.78	12.00	8.79	2.69	0.88	4.00	21.50	30.00	1	21	14	3	1	0				27.15	583.73	
O0106	38.21	95	22P	59.79	21.00	40.23	26.50	9.52	14.00	13.01	4.99	2.44	6.00	40.50	67.50	2	8	13	3	1	0			38.21	1,547.51		
O0107	3.54	59	21	13.09	4.00	30.59	23.00	13.52	17.50	4.77	3.36	1.81	5.50	40.50	50.00	1	25	10	3	1	1	3.54	143.37				
O0109	28.49	59	31	17.62	5.50	18.71	13.00	15.97	22.00	6.10	5.31	2.75	8.00	35.00	48.50	3	21	19	3	1	1	28.49	997.15				
O0110	0.30	23	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
O0113	6.09	42	22P	61.47	18.33	31.27	20.00	2.81	3.33	0.00	0.00	0.00	0.00	23.33	41.67	1	27	0	3	1	0				6.09	142.08	
O0114	0.91	42	22P	77.71	26.00	44.34	28.00	3.82	5.00	1.43	1.59	1.44	2.50	33.00	61.50	2	25	6	3	1	0			0.91	30.03		
pp630*	8.89	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					8.89	0.00
pp958*	0.27	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					0.27	0.00
pp959*	0.98	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					0.98	0.00
169.41																											

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
O0104	2009	69742	Northern Training Area Infrastructure-Upgrade Tank Trails						
O0106	2009	69742	Northern Training Area Infrastructure-Upgrade Tank Trails			0.77	31.19	0.02	0.43
O0107	2009	69742	Northern Training Area Infrastructure-Upgrade Tank Trails	0.75	30.38				
O0109	2009	69742	Northern Training Area Infrastructure-Upgrade Tank Trails	5.43	190.05				
O0113	2009	69742	Northern Training Area Infrastructure-Upgrade Tank Trails					2.09	48.76
pp630*	2009	69742	Northern Training Area Infrastructure-Upgrade Tank Trails					0.58	0.00
pp958*	2009	69742	Northern Training Area Infrastructure-Upgrade Tank Trails					0.06	0.00
pp959*	2009	69742	Northern Training Area Infrastructure-Upgrade Tank Trails					0.64	0.00
2009 SUB-TOTAL				6.18	220.43	0.77	31.19	3.39	49.19
M0811	2010	65557	Repair Existing Training Area Roads, Phase 1	0.34	34.00				
M0819	2010	65557	Repair Existing Training Area Roads, Phase 1			4.58	174.04		
M0827	2010	65557	Repair Existing Training Area Roads, Phase 1			0.95	38.95		
O0104	2010	65557	Repair Existing Training Area Roads, Phase 1					6.11	131.37
2010 SUB-TOTAL				0.34	34.00	5.53	212.99	6.11	131.37
TOTAL REMOVALS				6.52	254.43	6.30	244.18	9.50	180.56

POST-PROJECT

2009

Acres

BA

42.52

1,837.90

2010

Acres

BA

42.18

1,803.90

Suitable Habitat

72.10

2,890.86

Potentially Suitable Habitat

66.57

2,677.87

Future Potential Habitat

44.15

770.56

TOTAL

158.77

5,499.32

BA= basal area

Type Burn:

Stand Score

0= no data available

0=Unsuitable

1= Suitable

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

11 = Longleaf Pine-Hardwood

3 = low, dense

21 = Longleaf Pine

4 = medium, sparse

21P = Longleaf Pine Plantation

5 = tall, sparse

22 = Slash Pine

6 = medium, moderate

22P = Longleaf Pine Plantation

7 = tall, moderate

31 = Loblolly Pine

8 = medium, dense

NM = not managed

9 = tall, dense

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

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

11 = Longleaf Pine-Hardwood

3 = low, dense

21 = Longleaf Pine

4 = medium, sparse

21P = Longleaf Pine Plantation

5 = tall, sparse

22 = Slash Pine

6 = medium, moderate

22P = Longleaf Pine Plantation

7 = tall, moderate

31 = Loblolly Pine

8 = medium, dense

NM = not managed

9 = tall, dense

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

Appendix Table H-192. 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 **001-04R, 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 BA	Potentially Suitable BA	Future Potential Acreage	Future Potential BA												
M0808	0.01	76	21	11.31	3.75	40.06	28.75	33.96	47.50	0.00	0.00	0.78	1.25	76.25	81.25	1	18	1	3	2	4.70	CS	0.01	0.76			0.72	12.24												
M0809	0.72	43	11	3.47	1.50	11.32	7.50	6.43	9.50	25.62	3.75	0.40	3.00	17.00	21.50	1	47	19	3	2	3.52	PS					7.90	325.88												
M0810	7.90	43	22P	170.11	51.25	55.75	36.25	4.01	5.00	9.63	3.61	1.91	5.00	41.25	97.50	1	11	8	3	2	3.24	PS					3.92	392.00												
M0811	3.92	54	31	15.10	5.00	47.25	35.00	40.36	65.00	11.19	2.84	1.96	5.00	100.00	110.00	1	3	5	3	2	4.46	PS					3.92	392.00												
M0817	3.44	63	21	56.08	13.75	28.51	20.00	3.25	3.75	16.90	3.66	7.91	12.50	23.75	50.00	1	34	27	3	2	3.32	PS					3.44	81.70												
M0818	4.64	54	31	43.07	11.67	29.20	20.00	16.15	23.33	5.29	2.16	0.00	1.67	43.33	56.67	1	23	5	3	2	4.43	PS					4.64	201.05												
M0819	13.74	45	22	98.96	27.00	51.93	34.00	3.43	4.00	15.24	1.87	0.44	1.50	38.00	66.50	6	26	4	3	2	2.95	PS					13.74	522.12												
M0827	12.11	45	22P	127.64	40.00	50.58	33.50	6.85	7.50	12.18	4.35	2.30	6.00	41.00	87.00	1	5	10	3	2	3.23	PS					12.11	496.51												
O0101	8.10	56	10	22.34	6.84	12.43	10.00	20.97	30.00	12.97	5.02	1.51	6.32	40.00	53.16	2	24	16	3	1	4.37	PS					8.10	324.00												
O0104	27.15	42	21	12.29	4.50	12.76	9.50	8.78	12.00	8.79	2.69	0.88	4.00	21.50	30.00	1	21	14	3	1	3.42	PS					27.15	583.73												
O0106	38.21	95	22P	59.79	21.00	40.23	26.50	9.52	14.00	13.01	4.99	2.44	6.00	40.50	67.50	2	8	13	3	1	3.70	PS					38.21	1,547.51												
O0107	3.54	59	21	13.09	4.00	30.59	23.00	13.52	17.50	4.77	3.36	1.81	5.50	40.50	50.00	1	25	10	3	1	4.15	PS					3.54	143.37												
O0109	28.49	59	31	17.62	5.50	18.71	13.00	15.97	22.00	6.10	5.31	2.75	8.00	35.00	48.50	3	21	19	3	1	4.18	PS					28.49	997.15												
O0110	0.30	23	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												
O0113	6.09	42	22P	61.47	18.33	31.27	20.00	2.81	3.33	0.00	0.00	0.00	0.00	23.33	41.67	1	27	0	3	1	2.95	PS					6.09	142.08												
O0114	0.91	42	22P	77.71	26.00	44.34	28.00	3.82	5.00	1.43	1.59	1.44	2.50	33.00	61.50	2	25	6	3	1	3.17	PS					0.91	30.03												
pp630*	8.89	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					8.89	0.00												
pp958*	0.27	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					0.27	0.00												
pp959*	0.98	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					0.98	0.00												
169.41																																								

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
O0104	2009	69742	Northern Training Area Infrastructure-Upgrade Tank Trails					0.02	0.43
O0106	2009	69742	Northern Training Area Infrastructure-Upgrade Tank Trails					0.77	31.19
O0107	2009	69742	Northern Training Area Infrastructure-Upgrade Tank Trails					0.75	30.38
O0109	2009	69742	Northern Training Area Infrastructure-Upgrade Tank Trails					5.43	190.05
O0113	2009	69742	Northern Training Area Infrastructure-Upgrade Tank Trails					2.09	46.76
pp630*	2009	69742	Northern Training Area Infrastructure-Upgrade Tank Trails					0.58	0.00
pp958*	2009	69742	Northern Training Area Infrastructure-Upgrade Tank Trails					0.06	0.00
pp959*	2009	69742	Northern Training Area Infrastructure-Upgrade Tank Trails					0.64	0.00
2009 SUB-TOTAL				0.00	0.00	0.00	0.00	10.34	300.81
M0811	2010	65557	Repair Existing Training Area Roads, Phase 1					0.34	34.00
M0819	2010	65557	Repair Existing Training Area Roads, Phase 1					4.58	174.04
M0827	2010	65557	Repair Existing Training Area Roads, Phase 1					0.95	38.95
O0104	2010	65557	Repair Existing Training Area Roads, Phase 1					6.11	131.37
2010 SUB-TOTAL				0.00	0.00	0.00	0.00	11.98	378.36
TOTAL REMOVALS				0.00	0.00	0.00	0.00	22.32	679.17

POST-PROJECT			
	2009		2010
Suitable Habitat	0.01	0.76	0.01
Potentially Suitable Habitat	0.00	0.00	0.00
Future Potential Habitat	158.76	5,498.56	146.78
TOTAL	158.77	5,499.32	146.79

Key:

BA= basal area
dbh= diameter at breast height
hwds= 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
11 = Longleaf Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
22 = Slash Pine
22P = Longleaf Pine Plantation
31 = Loblolly Pine
NM = not managed

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

Appendix Table H-193. 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 **O02-01R, 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
N0137	5.02	45	31	31.26	9.52	8.94	6.19	15.83	28.10	3.53	9.36	3.46	10.95	34.29	54.76	1	33	34	3	1	1		5.02	172.14			
N0141	1.39	69	21	2.63	0.50	5.35	4.00	19.26	36.00	10.87	5.89	1.92	6.50	40.00	47.00	1	25	24	3	1	1		1.39	55.60			
O0209	4.07	39	66**	15.70	3.68	10.08	7.37	5.86	10.53	12.66	13.24	2.13	11.58	17.89	33.16	2	25	49	3	1	0					0.00	0.00
O0210	59.07	50	31	17.16	5.00	18.22	13.00	9.77	16.00	10.92	2.29	0.34	2.00	29.00	36.00	2	27	9	3	1	0				59.07	1,713.03	
O0214	56.85	92	21	5.53	2.00	18.10	12.00	20.25	30.50	13.15	1.31	0.29	1.50	42.50	46.00	6	18	4	3	1	0			56.85	2,416.13		
O0215	4.45	35	13	34.04	10.00	34.52	22.50	8.18	10.00	0.00	0.00	1.88	2.50	32.50	45.00	8	33	4	3	1	0		4.45	144.63			
O0219	11.40	32	31P	81.41	20.00	11.43	7.50	5.47	8.00	2.85	0.00	0.00	0.00	15.50	35.50	6	25	0	3	1	0						
O0220	35.89	73	21	13.10	3.68	26.75	19.47	19.23	27.37	10.86	2.42	0.67	3.16	46.84	53.68	1	19	6	3	1	1	35.89	1,681.09		11.40	176.70	
O0223	0.03	73	31	13.02	3.50	12.63	9.00	21.56	34.50	20.50	3.89	2.46	6.00	43.50	53.00	2	21	16	3	1	1	0.03	1.31				
O0315	5.17	39	31	42.88	12.50	25.77	18.50	14.20	19.50	0.00	0.00	0.45	0.50	38.00	51.00	1	43	1	3	1	1	5.17	196.46				
O0333	7.19	42	31	55.21	17.78	43.16	30.00	11.80	15.00	19.12	2.30	1.62	3.89	45.00	66.67	2	29	7	3	1	1	7.19	323.55				
pp532*	1.59	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					1.59	0.00
pp626*	2.30	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					2.30	0.00
pp627*	5.85	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					5.85	0.00
pp628*	0.72	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					0.72	0.00
pp750*	18.72	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					18.72	0.00
pp751*	3.91	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					3.91	0.00
223.62																						54.69	2,430.15	61.30	2,560.76	103.56	1,889.73

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		
N0137	2010	65557	Repair Existing Training Area Roads, Phase 1	2.19	75.10						
N0141	2010	65557	Repair Existing Training Area Roads, Phase 1	0.52	20.80						
O0210	2010	65557	Repair Existing Training Area Roads, Phase 1							2.37	68.73
O0214	2010	65557	Repair Existing Training Area Roads, Phase 1			1.09	46.33				
O0215	2010	65557	Repair Existing Training Area Roads, Phase 1			0.73	23.73				
O0219	2010	65557	Repair Existing Training Area Roads, Phase 1					0.35		5.43	
O0227	2010	65557	Repair Existing Training Area Roads, Phase 1	1.33	62.30						
O0315	2010	65557	Repair Existing Training Area Roads, Phase 1	1.80	68.40						
O0333	2010	65557	Repair Existing Training Area Roads, Phase 1	1.98	89.10						
pp532*	2010	65557	Repair Existing Training Area Roads, Phase 1					0.84		0.00	
pp627*	2010	65557	Repair Existing Training Area Roads, Phase 1					0.10		0.00	
pp750*	2010	65557	Repair Existing Training Area Roads, Phase 1					3.19		0.00	
pp751*	2010	65557	Repair Existing Training Area Roads, Phase 1					1.58		0.00	
TOTAL REMOVALS				7.82	315.70	1.82	70.06	8.43		74.16	

POST-PROJECT		2010	
	Acres	BA	
Suitable Habitat	46.87	2,114.45	
Potentially Suitable Habitat	59.48	2,490.70	
Future Potential Habitat	95.13	1,815.57	
TOTAL	201.48	6,420.72	

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	31 = Loblolly Pine	
5 = tall, sparse	31P = Loblolly Pine Plantation	
6 = medium, moderate	66** = Oak-Hickory (managed for hardwoods)	
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-194. 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 **002-01R, 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					
N0137	5.02	45	31	31.26	9.52	8.94	6.19	15.83	28.10	3.53	9.36	3.46	10.95	34.29	54.76	1	33	34	3	1	3.99	PS					5.02	172.14					
N0141	1.39	69	21	2.63	0.50	5.35	4.00	19.26	36.00	10.87	5.89	1.92	6.50	40.00	47.00	1	25	24	3	1	4.46	CS	1.39	55.60									
O0209	4.07	39	66**	15.70	3.68	10.08	7.37	5.86	10.53	12.66	13.24	2.13	11.58	17.89	33.16	2	25	49	3	1	3.04	PS					0.00	0.00					
O0210	59.07	50	31	17.16	5.00	18.22	13.00	9.77	16.00	10.92	2.29	0.34	2.00	29.00	36.00	2	27	9	3	1	3.96	PS					59.07	1,713.03					
O0214	56.85	92	21	5.53	2.00	18.10	12.00	20.25	30.50	13.15	1.31	0.29	1.50	42.50	46.00	6	18	4	3	1	4.32	PS			56.85	2,416.13							
O0215	4.45	35	13	34.04	10.00	34.52	22.50	8.18	10.00	0.00	0.00	1.88	2.50	32.50	45.00	8	33	4	3	1	3.09	PS					4.45	144.63					
O0219	11.40	32	31P	81.41	20.00	11.43	7.50	5.47	8.00	2.85	0.00	0.00	0.00	15.50	35.50	6	25	0	3	1	2.82	PS					11.40	176.70					
O0220	35.89	73	21	13.10	3.68	26.75	19.47	19.23	27.37	10.86	2.42	0.67	3.16	46.84	53.68	1	19	6	3	1	4.55	CS	35.89	1,681.09									
O0223	0.03	73	31	13.02	3.50	12.63	9.00	21.56	34.50	20.50	3.89	2.46	6.00	43.50	53.00	2	21	16	3	1	4.58	CS	0.03	1.31									
O0315	5.17	39	31	42.88	12.50	25.77	18.50	14.20	19.50	0.00	0.00	0.45	0.50	38.00	51.00	1	43	1	3	1	4.01	PS					5.17	196.46					
O0333	7.19	42	31	55.21	17.78	43.16	30.00	11.80	15.00	19.12	2.30	1.62	3.89	45.00	66.67	2	29	7	3	1	3.41	PS					7.19	323.55					
pp532*	1.59	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					1.59	0.00					
pp626*	2.30	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					2.30	0.00					
pp627*	5.85	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					5.85	0.00					
pp628*	0.72	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					0.72	0.00					
pp750*	18.72	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	1.91	NH					18.72	0.00					
pp751*	3.91	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	1.91	NH					3.91	0.00					
223.62																																	
																						37.31		1,738.00		56.85		2,416.13		125.39		2,726.51	

REMOVALS										Suitable Acreage							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			Future Potential Acreage Removed		Future Potential BA Removed				
N0137	2010	65557	Repair Existing Training Area Roads, Phase 1									2.19		75.10									
N0141	2010	65557	Repair Existing Training Area Roads, Phase 1	0.52		20.80						2.37		68.73									
O0210	2010	65557	Repair Existing Training Area Roads, Phase 1					1.09		46.33				23.73									
O0214	2010	65557	Repair Existing Training Area Roads, Phase 1									0.73		23.73									
O0215	2010	65557	Repair Existing Training Area Roads, Phase 1									0.35		5.43									
O0219	2010	65557	Repair Existing Training Area Roads, Phase 1	1.33		62.30																	
O0220	2010	65557	Repair Existing Training Area Roads, Phase 1									1.80		68.40									
O0315	2010	65557	Repair Existing Training Area Roads, Phase 1									1.98		89.10									
O0333	2010	65557	Repair Existing Training Area Roads, Phase 1									0.84		0.00									
pp532*	2010	65557	Repair Existing Training Area Roads, Phase 1									0.10		0.00									
pp627*	2010	65557	Repair Existing Training Area Roads, Phase 1									3.19		0.00									
pp750*	2010	65557	Repair Existing Training Area Roads, Phase 1									1.58		0.00									
pp751*	2010	65557	Repair Existing Training Area Roads, Phase 1																				
2009 SUB-TOTAL				1.85		83.10		1.09		46.33		15.13		330.49									

POST-PROJECT			2010
	Acres	BA	
Suitable Habitat	35.46	1,654.90	
Potentially Suitable Habitat	55.76	2,369.80	
Future Potential Habitat	110.26	2,396.02	
TOTAL	201.48	6,420.72	

Key:		
BA= basal area	Type Burn:	Suitability
dbh= diameter at breast height	0= no data available	CS= currently suitable
hwds= hardwood	1= non-growing season	PS= potentially suitable
hgcs= herbaceous ground cover	2= growing season	NH= non-habitat
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	31 = Loblolly Pine	
5 = tall, sparse	31P = Loblolly Pine Plantation	
6 = medium, moderate	66* = Oak-Hickory (managed for hardwoods)	
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-195. 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 **O03-01, 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
O0101	13.04	56	10	22.34	6.84	12.43	10.00	20.97	30.00	12.97	5.02	1.51	6.32	40.00	53.16	2	24	16	3	1	1		13.04	521.60			
O0102	31.33	79	21	9.49	3.50	14.09	10.50	12.03	17.00	20.54	4.12	1.60	5.50	27.50	36.50	1	21	18	3	1	0				31.33	861.58	
O0103	10.34	39	31	18.87	6.00	21.13	15.00	6.22	9.00	1.11	2.89	1.74	4.50	24.00	34.50	2	29	14	3	1	0				10.34	248.16	
O0107	3.64	59	21	13.09	4.00	30.59	23.00	13.52	17.50	4.77	3.36	1.81	5.50	40.50	50.00	1	25	10	3	1	1	3.64	147.42				
O0315	0.22	39	31	42.88	12.50	25.77	18.50	14.20	19.50	0.00	0.00	0.45	0.50	38.00	51.00	1	43	1	3	1	1	0.00	0.00				
O0326	20.27	40	10	31.81	9.00	19.49	13.00	8.12	12.50	26.74	5.21	1.88	6.00	25.50	40.50	6	19	20	3	1	0				0.00	0.00	
O0333	6.93	42	31	55.21	17.78	43.16	30.00	11.80	15.00	19.12	2.30	1.62	3.89	45.00	66.67	2	29	7	3	1	1	0.00	0.00				
O0334	28.38	19	31P	267.23	52.00	0.00	0.00	0.00	0.00	3.85	0.00	0.00	0.00	0.00	52.00	1	35	0	3	1	0				0.00	0.00	
O0340	2.82	42	22	26.17	9.00	46.44	33.00	10.22	12.00	5.10	0.55	1.24	2.50	45.00	56.50	4	30	3	3	1	0			2.82	126.90		
O0342	26.77	86	21	10.10	3.00	8.21	6.00	19.84	29.00	14.41	5.03	3.66	9.50	35.00	47.50	7	25	24	3	1	0			26.77	936.95		
pp629*	5.36	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				5.36	0.00	
149.10																						16.68	669.02	29.59	1,063.85	47.03	1,109.74

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										
O0101	2009	69742	Northern Training Area Infrastructure-Upgrade Tank Trails	1.00	40.00														
O0102	2009	69742	Northern Training Area Infrastructure-Upgrade Tank Trails					3.56	97.90										
O0103	2009	69742	Northern Training Area Infrastructure-Upgrade Tank Trails					1.10	26.40										
O0340	2009	69742	Northern Training Area Infrastructure-Upgrade Tank Trails			0.17	7.65												
O0342	2009	69742	Northern Training Area Infrastructure-Upgrade Tank Trails			4.57	159.95												
pp629*	2009	69742	Northern Training Area Infrastructure-Upgrade Tank Trails					0.88	0.00										
TOTAL REMOVALS				1.00	40.00	4.74	167.60	5.54	124.30										

POST-PROJECT			
	2009		
Suitable Habitat	Acres	15.68	629.02
Potentially Suitable Habitat		24.85	896.25
Future Potential Habitat		41.49	985.44
TOTAL		82.02	2,510.71

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	10 = Yellow Pine-Upland Hardwood	
2 = low, moderate	21 = Longleaf Pine	
3 = low, dense	21P = Longleaf Pine Plantation	
4 = medium, sparse	22 = Slash Pine	
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.		
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-196. 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 **003-01, 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	Potentially Suitable BA	Potentially Suitable BA	Future Potential Acreage	Future Potential BA													
O0101	13.04	56	10	22.34	6.84	12.43	10.00	20.97	30.00	12.97	5.02	1.51	6.32	40.00	53.16	2	24	16	3	1	4.37	PS				13.04	521.60													
O0102	31.33	79	21	9.49	3.50	14.09	10.50	12.03	17.00	20.54	4.12	1.60	5.50	27.50	36.50	1	21	18	3	1	3.98	PS					31.33	861.58												
O0103	10.34	39	31	18.87	6.00	21.13	15.00	6.22	9.00	1.11	2.89	1.74	4.50	24.00	34.50	2	29	14	3	1	3.14	PS				10.34	248.16													
O0107	3.64	59	21	13.09	4.00	30.59	23.00	13.52	17.50	4.77	3.36	1.81	5.50	40.50	50.00	1	25	10	3	1	4.15	PS				3.64	147.42													
O0315	0.22	39	31	42.88	12.50	25.77	18.50	14.20	19.50	0.00	0.00	0.45	0.50	38.00	51.00	1	43	1	3	1	4.01	PS				0.00	0.00													
O0326	20.27	40	10	31.81	9.00	19.49	13.00	8.12	12.50	26.74	5.21	1.88	6.00	25.50	40.50	6	19	20	3	1	3.00	PS				0.00	0.00													
O0333	6.93	42	31	55.21	17.78	43.16	30.00	11.80	15.00	19.12	2.30	1.62	3.89	45.00	66.67	2	29	7	3	1	3.41	PS				0.00	0.00													
O0334	28.38	19	31P	267.23	52.00	0.00	0.00	0.00	0.00	3.85	0.00	0.00	0.00	0.00	52.00	1	35	0	3	1	2.67	NH				0.00	0.00													
O0340	2.82	42	22	26.17	9.00	46.44	33.00	10.22	12.00	5.10	0.55	1.24	2.50	45.00	56.50	4	30	3	3	1	3.65	PS				2.82	126.90													
O0342	26.77	86	21	10.10	3.00	8.21	6.00	19.84	29.00	14.41	5.03	3.66	9.50	35.00	47.50	7	25	24	3	1	4.06	PS		26.77	936.95															
pp629*	5.36	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				5.36	0.00													
149.10																																								

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
O0101	2009	69742	Northern Training Area Infrastructure-Upgrade Tank Trails					1.00	40.00
O0102	2009	69742	Northern Training Area Infrastructure-Upgrade Tank Trails					3.56	97.90
O0103	2009	69742	Northern Training Area Infrastructure-Upgrade Tank Trails					1.10	26.40
O0340	2009	69742	Northern Training Area Infrastructure-Upgrade Tank Trails					0.17	7.65
O0342	2009	69742	Northern Training Area Infrastructure-Upgrade Tank Trails			4.57	159.95	0.88	
pp629*	2009	69742	Northern Training Area Infrastructure-Upgrade Tank Trails					0.17	0.00
TOTAL REMOVALS				0.00	0.00	4.57	159.95	6.71	171.95

POST-PROJECT			2009
Suitable Habitat	Acres	BA	0.00
Potentially Suitable Habitat	22.20	777.00	
Future Potential Habitat	59.82	1,733.71	
SUB-TOTAL	82.02	2,510.71	

Key:		
BA= basal area	Type Burn:	Suitability
dbh= diameter at breast height	0= no data available	CS= currently suitable
hwds= hardwood	1= non-growing season	PS= potentially suitable
hgcs= 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	21P = Longleaf Pine Plantation	
5 = tall, sparse	22 = Slash Pine	
6 = medium, moderate	31 = Loblolly Pine	
7 = tall, moderate	31P = Loblolly Pine Plantation	
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-197. 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 **003-02 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
N0101	6.72	75	21	9.55	3.50	8.65	6.00	13.65	23.50	1.43	1.27	0.78	2.00	29.50	35.00	5	28	8	3	1	0					6.72	198.24
N0107	3.48	63	21	13.22	4.44	14.33	11.11	11.60	22.22	5.47	2.08	1.60	4.44	33.33	42.22	2	39	12	3	1	1	3.48	115.99				
N0109	8.77	63	22P	2.63	1.11	31.35	22.22	12.58	17.78	2.36	5.16	0.00	3.33	40.00	44.44	2	41	11	3	1	1	8.77	350.80				
O0301	45.67	80	26	7.97	2.00	12.80	9.50	20.61	30.00	2.82	0.00	0.45	0.50	39.50	42.00	1	33	1	3	1	1	45.67	1,803.97				
O0303	34.03	94	21	14.69	4.50	12.74	9.50	16.77	26.50	10.95	0.00	0.00	0.00	36.00	40.50	1	35	0	3	1	1	34.03	1,225.08				
O0305	1.25	46	31	32.21	9.00	26.95	19.50	17.47	26.00	17.14	2.81	0.77	3.50	45.50	58.00	1	28	7	3	1	1	1.25	56.88				
O0306	11.07	47	22P	42.22	14.50	24.51	17.00	9.91	12.50	5.94	0.00	0.00	0.00	29.50	44.00	5	30	0	3	1	0						
O0513	5.70	66	31	45.34	14.00	31.36	21.00	20.67	30.50	9.77	0.00	0.83	1.00	51.50	66.50	1	22	2	3	1	1	5.70	293.55			11.07	326.57
O0527	10.76	66	31	29.99	7.50	4.99	3.50	4.63	8.00	5.02	1.83	1.06	2.50	11.50	21.50	1	27	23	3	1	0					10.76	123.74
O0529	6.39	66	21	8.87	2.63	21.83	14.74	20.40	34.74	1.51	1.75	0.32	1.58	49.47	53.68	2	33	5	3	1	1	6.39	316.11				
O0530	0.02	55	21	10.21	2.00	12.76	9.50	17.25	27.50	1.93	0.00	0.00	0.00	37.00	39.00	1	29	0	3	1	1	0.02	0.74				
O0550	11.11	66	21	8.87	2.63	21.83	14.74	20.40	34.74	1.50	1.75	0.32	1.58	49.48	53.69	2	33	5	3	1	1	11.11	549.72				
pp343*	1.92	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					1.92	0.00
pp374*	6.59	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					6.59	0.00
pp695*	1.28	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					1.28	0.00
pp807*	7.43	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					7.43	0.00
pp808*	1.27	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					1.27	0.00
163.46																						116.42	4,712.84	0.00	0.00	47.04	648.55

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																	
O0301	2009	69742	Northern Training Area Infrastructure-Upgrade Tank Trails	6.84	270.18																					
O0303	2009	65036	Access Road for Basic 10M-25M Firing Range (Z2)	0.26	9.36																					
O0305	2009	69742	Northern Training Area Infrastructure-Upgrade Tank Trails	0.03	1.37																					
O0306	2009	69742	Northern Training Area Infrastructure-Upgrade Tank Trails					3.65	107.68																	
O0527	2009	65554	Construct Training Area Roads, Paved					3.75	43.13																	
O0529	2009	65554	Construct Training Area Roads, Paved	1.14	56.40																					
O0550	2009	65554	Construct Training Area Roads, Paved	1.11	54.92																					
O0550	2009	65036	Access Road for Basic 10M-25M Firing Range (Z2)	0.16	7.92																					
pp343*	2009	65554	Construct Training Area Roads, Paved					0.97	0.00																	
pp808*	2009	69742	Northern Training Area Infrastructure-Upgrade Tank Trails					0.23	0.00																	
2009 SUB-TOTAL				9.54	400.15	0.00	0.00	8.60	150.81																	
N0101	2010	65557	Repair Existing Training Area Roads, Phase 1					1.02	30.09																	
N0109	2010	65557	Repair Existing Training Area Roads, Phase 1	2.14	85.60																					
O0301	2010	65557	Repair Existing Training Area Roads, Phase 1	2.91	114.95																					
O0303	2010	65557	Repair Existing Training Area Roads, Phase 1	2.42	87.12																					
O0513	2010	65557	Repair Existing Training Area Roads, Phase 1	2.01	103.52																					
O0527	2010	65557	Repair Existing Training Area Roads, Phase 1					1.48	17.02																	
O0530	2010	65557	Repair Existing Training Area Roads, Phase 1	0.02	0.74																					
O0550	2010	65557	Repair Existing Training Area Roads, Phase 1	1.73	85.60																					
pp808*	2010	65557	Repair Existing Training Area Roads, Phase 1					0.28	0.00																	
2010 SUB-TOTAL				11.23	477.53	0.00	0.00	2.78	47.11																	
TOTAL REMOVALS				20.77	877.68	0.00	0.00	11.38	197.92																	

POST-PROJECT									
	2009		2010						
Suitable Habitat	Acres	BA	Acres	BA	Suitable Habitat	Acres	BA	Suitable Habitat	Acres
Potentially Suitable Habitat	106.88	4,312.69	95.65	3,835.16	Potentially Suitable Habitat	0.00	0.00	Potentially Suitable Habitat	0.00
Future Potential Habitat	38.44	497.74	35.66	450.63	Future Potential Habitat	145.32	4,810.43	Future Potential Habitat	131.31
TOTAL	145.32	4,810.43	131.31	4,285.79	TOTAL	145.32	4,810.43	TOTAL	131.31

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	22P = Slash 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-198. 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 **O03-02, 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	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
N0101	6.72	75	21	9.55	3.50	8.65	6.00	13.65	23.50	1.43	1.27	0.78	2.00	29.50	35.00	5	28	8	3	1	4.16	PS					6.72	198.24
N0107	3.48	63	21	13.22	4.44	14.33	11.11	11.60	22.22	5.47	2.08	1.60	4.44	33.33	42.22	2	39	12	3	1	4.33	PS					3.48	115.99
N0109	8.77	63	22P	2.63	1.11	31.35	22.22	12.58	17.78	2.36	5.16	0.00	3.33	40.00	44.44	2	41	11	3	1	4.34	PS					8.77	350.80
O0301	45.67	80	26	7.97	2.00	12.80	9.50	20.61	30.00	2.82	0.00	0.45	0.50	39.50	42.00	1	33	1	3	1	4.70	CS	45.67	1,803.97				
O0303	34.03	94	21	14.69	4.50	12.74	9.50	16.77	26.50	10.95	0.00	0.00	0.00	36.00	40.50	1	35	0	3	1	4.54	PS					34.03	1,225.08
O0305	1.25	46	31	32.21	9.00	26.95	19.50	17.47	26.00	17.14	2.81	0.77	3.50	45.50	58.00	1	28	7	3	1	4.19	PS					1.25	56.88
O0306	11.07	47	22P	43.22	14.50	24.51	17.00	9.91	12.50	5.94	0.00	0.00	0.00	29.50	44.00	5	30	0	3	1	3.48	PS					11.07	326.57
O0513	5.70	66	31	45.34	14.00	31.36	21.00	20.67	30.50	9.77	0.00	0.83	1.00	51.50	66.50	1	22	2	3	1	4.57	PS			5.70	293.55		
O0527	10.76	66	31	29.99	7.50	4.99	3.50	4.63	8.00	5.02	1.83	1.06	2.50	11.50	21.50	1	27	23	3	1	3.20	PS					10.76	123.74
O0529	6.39	66	21	8.87	2.63	21.83	14.74	20.40	34.74	1.51	1.75	0.32	1.58	49.47	53.68	2	33	5	3	1	4.75	CS	6.39	316.11				
O0530	0.02	55	21	10.21	2.00	12.76	9.50	17.25	27.50	1.93	0.00	0.00	0.00	37.00	39.00	1	29	0	3	1	4.30	PS					0.02	0.74
O0550	11.11	66	21	8.87	2.63	21.83	14.74	20.40	34.74	1.50	1.75	0.32	1.58	49.48	53.69	2	33	5	3	1	4.75	CS	11.11	549.72				
pp343*	1.92	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					1.92	0.00
pp374*	6.59	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					6.59	0.00
pp695*	1.28	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					1.28	0.00
pp807*	7.43	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	1.91	NH					7.43	0.00
pp808*	1.27	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	1.91	NH					1.27	0.00
163.46																												

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
O0301	2009	69742	Northern Training Area Infrastructure-Upgrade Tank Trails	6.84	270.18				
O0303	2009	65036	Access Road for Basic 10M-25M Firing Range (22)					0.26	9.36
O0305	2009	69742	Northern Training Area Infrastructure-Upgrade Tank Trails					0.03	1.37
O0306	2009	69742	Northern Training Area Infrastructure-Upgrade Tank Trails					3.65	107.68
O0527	2009	65554	Construct Training Area Roads, Paved					3.75	43.13
O0529	2009	65554	Construct Training Area Roads, Paved	1.14	56.40				
O0550	2009	65554	Construct Training Area Roads, Paved	1.11	54.92				
O0550	2009	65036	Access Road for Basic 10M-25M Firing Range (22)	0.16	7.92				
pp343*	2009	65554	Construct Training Area Roads, Paved					0.97	0.00
pp808*	2009	69742	Northern Training Area Infrastructure-Upgrade Tank Trails					0.23	0.00
2009 SUB-TOTAL				9.25	389.42	0.00	0.00	8.89	161.54
N0101	2010	65557	Repair Existing Training Area Roads, Phase 1					1.02	30.09
N0109	2010	65557	Repair Existing Training Area Roads, Phase 1					2.14	85.60
O0301	2010	65557	Repair Existing Training Area Roads, Phase 1	2.91	114.95				
O0303	2010	65557	Repair Existing Training Area Roads, Phase 1					2.42	87.12
O0513	2010	65557	Repair Existing Training Area Roads, Phase 1			2.01	103.52		
O0527	2010	65557	Repair Existing Training Area Roads, Phase 1					1.48	17.02
O0530	2010	65557	Repair Existing Training Area Roads, Phase 1					0.02	0.74
O0550	2010	65557	Repair Existing Training Area Roads, Phase 1	1.73	85.60				
pp808*	2010	65557	Repair Existing Training Area Roads, Phase 1					0.28	0.00
2010 SUB-TOTAL				4.64	200.55	2.01	103.52	7.36	220.57
TOTAL REMOVALS				13.89	589.97	2.01	103.52	16.25	382.11

POST-PROJECT				
	2009		2010	
	Acres	BA	Acres	BA
Suitable Habitat	53.92	2,280.38	49.28	2,079.83
Potentially Suitable Habitat	5.70	293.55	3.69	190.03
Future Potential Habitat	85.70	2,236.50	78.34	2,015.93
TOTAL	145.32	4,810.43	131.31	4,285.79

Key:

BA= basal area
dbH= diameter at breast height
Hwd= hardwood
hgc= herbaceous ground cover

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
22P = Slash Pine Plantation
28 = Mixed Pine-Longleaf
31 = Loblolly Pine

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

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

Appendix Table H-199. 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 **003-03, 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	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
O0314	7.87	42	22P	25.52	9.50	29.95	20.50	8.34	10.50	3.91	0.00	0.28	0.50	31.00	41.00	1	32	1	3	1	1	0.00	0.00				
O0327	7.63	45	31	26.57	7.00	19.70	15.50	18.48	25.50	2.10	1.33	0.46	1.50	41.00	49.50	2	32	4	3	1	1	0.00	0.00				
O0332	22.41	76	31	3.71	1.50	22.98	17.50	23.89	34.50	2.55	0.94	0.00	0.50	52.00	54.00	3	27	2	3	1	1	22.41	1,165.32				
O0336	15.36	20	21	23.90	6.50	22.37	17.00	16.40	22.50	3.59	1.36	1.58	3.00	39.50	49.00	2	39	7	3	1	0				15.36	606.72	
O0338	8.45	82	21	14.70	4.50	13.42	10.00	16.75	26.50	3.75	4.51	0.25	3.50	36.50	44.50	2	35	14	3	1	1	8.45	308.43				
O0409	17.12	42	26	22.84	7.50	17.97	13.00	6.54	8.50	2.34	1.64	1.63	3.50	21.50	32.50	1	29	12	3	1	0				17.12	368.08	
O0416	1.79	49	31	22.04	7.50	40.50	29.50	16.25	20.00	1.24	5.31	2.28	7.00	49.50	64.00	1	20	12	3	1	1	1.79	88.61				
O0417	0.63	49	21	26.93	6.50	15.45	11.00	11.58	17.00	11.69	0.00	1.63	2.00	28.00	36.50	5	24	6	3	1	0				0.63	17.64	
O0421	13.17	63	21	23.69	5.71	17.07	12.38	14.24	21.43	0.00	0.00	0.46	0.48	33.81	40.00	1	36	1	3	1	1	13.17	445.28				
O0426	5.20	11	21P	16.81	4.00	10.83	8.00	3.55	5.00	10.37	3.69	3.42	8.00	13.00	25.00	4	28	33	3	1	0				5.20	67.60	
O0426	10.50	11	21PU	16.81	4.00	10.83	8.00	3.55	5.00	10.37	3.69	3.42	8.00	13.00	25.00	4	28	33	3	1	0				10.50	136.50	
O0428	2.28	56	25	12.64	4.50	28.99	20.50	5.61	6.50	2.55	0.00	0.00	0.00	27.00	31.50	1	36	0	3	1	0				2.28	61.56	
O0429	0.51	62	26P	30.91	9.50	16.50	12.50	11.19	15.00	13.49	1.96	0.50	2.50	27.50	39.50	1	28	8	3	1	0				0.51	14.03	
pp430*	1.78	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				1.78	0.00	
pp459*	25.39	14	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				25.39	0.00	
pp487*	27.50	19	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				27.50	0.00	
pp488*	9.69	19	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				9.69	0.00	
pp810*	0.64	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				0.64	0.00	
177.92																						45.82	2,007.64	0.00	0.00	116.60	1,272.13

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
O0332	2009	69742	Northern Training Area Infrastructure-Upgrade Tank Trails	4.41	229.32				
O0336	2009	69742	Northern Training Area Infrastructure-Upgrade Tank Trails					0.98	38.71
O0409	2009	69742	Northern Training Area Infrastructure-Upgrade Tank Trails					0.33	7.10
pp430*	2009	69742	Northern Training Area Infrastructure-Upgrade Tank Trails					0.38	0.00
pp459*	2009	69742	Northern Training Area Infrastructure-Upgrade Tank Trails					3.76	0.00
pp810*	2009	69742	Northern Training Area Infrastructure-Upgrade Tank Trails					0.39	0.00
2009 SUB-TOTAL				4.41	229.32	0.00	0.00	5.84	45.81
O0332	2010	65557	Repair Existing Training Area Roads, Phase 1	1.13	58.76				
O0338	2010	65557	Repair Existing Training Area Roads, Phase 1	3.01	109.87				
O0409	2010	65557	Repair Existing Training Area Roads, Phase 1					3.86	82.99
O0426	2010	65557	Repair Existing Training Area Roads, Phase 1					2.80	36.40
pp459*	2010	65557	Repair Existing Training Area Roads, Phase 1					2.65	0.00
2010 SUB-TOTAL				4.14	168.63	0.00	0.00	9.31	119.39
TOTAL REMOVALS				8.55	397.95	0.00	0.00	15.15	165.20

POST-PROJECT				
	2009		2010	
Suitable Habitat	Acres	BA	Acres	BA
Potentially Suitable Habitat	41.41	1,778.32	37.27	1,609.69
Future Potential Habitat	0.00	0.00	0.00	0.00
TOTAL	110.76	1,226.32	101.45	1,106.93
	152.17	3,004.64	138.72	2,716.62

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 21PU = Longleaf Pine Plantation Underplanted

4 = medium, sparse 22P = Slash Pine Plantation

5 = tall, sparse 25 = Mixed Pine

6 = medium, moderate 26 = Mixed Pine-Longleaf

7 = tall, moderate 26P = Mixed Pine-Longleaf Plantation

8 = medium, dense 31 = Loblolly Pine

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-200. 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 **003-03, 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	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
O0314	7.87	42	22P	25.52	9.50	29.95	20.50	8.34	10.50	3.91	0.00	0.28	0.50	31.00	41.00	1	32	1	3	1	3.62	PS				7.87	243.97	
O0327	7.63	45	31	26.57	7.00	19.70	15.50	18.48	25.50	2.10	1.33	0.46	1.50	41.00	49.50	2	32	4	3	1	4.44	PS				7.63	312.83	
O0332	22.41	76	31	3.71	1.50	22.98	17.50	23.89	34.50	2.55	0.94	0.00	0.50	52.00	54.00	3	27	2	3	1	4.65	CS	22.41	1,165.32				
O0336	15.36	20	21	23.90	6.50	22.37	17.00	16.40	22.50	3.59	1.36	1.58	3.00	39.50	49.00	2	39	7	3	1	3.98	NH				15.36	606.72	
O0338	8.45	82	21	14.70	4.50	13.42	10.00	16.75	26.50	3.75	4.51	0.25	3.50	36.50	44.50	2	35	14	3	1	4.48	PS				8.45	308.43	
O0409	17.12	42	26	22.84	7.50	17.97	13.00	6.54	8.50	2.34	1.64	1.63	3.50	21.50	32.50	1	29	12	3	1	3.27	PS				17.12	368.08	
O0416	1.79	49	31	22.04	7.50	40.50	29.50	16.25	20.00	1.24	5.31	2.28	7.00	49.50	64.00	1	20	12	3	1	4.04	PS				1.79	88.61	
O0417	0.63	49	21	26.93	6.50	15.45	11.00	11.58	17.00	11.69	0.00	1.63	2.00	28.00	36.50	5	24	6	3	1	3.57	PS				0.63	17.64	
O0421	13.17	63	21	23.69	5.71	17.07	12.38	14.24	21.43	0.00	0.00	0.46	0.48	33.81	40.00	1	36	1	3	1	4.53	PS				13.17	445.28	
O0426	5.20	11	21P	16.81	4.00	10.83	8.00	3.55	5.00	10.37	3.69	3.42	8.00	13.00	25.00	4	28	33	3	1	2.50	NH				5.20	67.60	
O0426	10.50	11	21PU	16.81	4.00	10.83	8.00	3.55	5.00	10.37	3.69	3.42	8.00	13.00	25.00	4	28	33	3	1	2.50	NH				10.50	136.50	
O0428	2.28	56	25	12.64	4.50	28.99	20.50	5.61	6.50	2.55	0.00	0.00	0.00	27.00	31.50	1	36	0	3	1	3.63	PS				2.28	61.56	
O0429	0.51	62	26P	30.91	9.50	16.50	12.50	11.19	15.00	13.49	1.96	0.50	2.50	27.50	39.50	1	28	8	3	1	4.08	PS				0.51	14.03	
pp430*	1.78	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				1.78	0.00	
pp459*	25.39	14	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				25.39	0.00	
pp487*	27.50	19	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				27.50	0.00	
pp488*	9.69	19	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				9.69	0.00	
pp810*	0.64	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	1.91	NH				0.64	0.00	
177.92																							22.41	1,165.32	0.00	0.00	155.51	2,671.25

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							
O0332	2009	69742	Northern Training Area Infrastructure-Upgrade Tank Trails		4.41	229.32				
O0336	2009	69742	Northern Training Area Infrastructure-Upgrade Tank Trails						0.98	38.71
O0409	2009	69742	Northern Training Area Infrastructure-Upgrade Tank Trails						0.33	7.10
pp430*	2009	69742	Northern Training Area Infrastructure-Upgrade Tank Trails						0.38	0.00
pp459*	2009	69742	Northern Training Area Infrastructure-Upgrade Tank Trails						3.76	0.00
pp810*	2009	69742	Northern Training Area Infrastructure-Upgrade Tank Trails						0.39	0.00
2009 SUB-TOTAL					4.41	229.32	0.00	0.00	5.84	45.81
O0332	2010	65557	Repair Existing Training Area Roads, Phase 1		1.13	58.76				
O0338	2010	65557	Repair Existing Training Area Roads, Phase 1						3.01	109.87
O0409	2010	65557	Repair Existing Training Area Roads, Phase 1						3.86	82.99
O0426	2010	65557	Repair Existing Training Area Roads, Phase 1						2.80	36.40
pp459*	2010	65557	Repair Existing Training Area Roads, Phase 1						2.65	0.00
2010 SUB-TOTAL					1.13	58.76	0.00	0.00	12.32	229.26
TOTAL REMOVALS					5.54	288.08	0.00	0.00	18.16	275.07

POST-PROJECT		2009		2010	
Suitable Habitat		Acres	BA	Acres	BA
Potentially Suitable Habitat		18.00	936.00	16.87	877.24
Future Potential Habitat		0.00	0.00	0.00	0.00
TOTAL		149.67	2,625.44	137.35	2,396.18
		167.67	3,561.44	154.22	3,273.42

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	21PU = Longleaf Pine Plantation Underplanted	
4 = medium, sparse	22P = Slash Pine Plantation	
5 = tall, sparse	25 = Mixed Pine	
6 = medium, moderate	26 = Mixed Pine-Longleaf	
7 = tall, moderate	26P = Mixed Pine-Longleaf Plantation	
8 = medium, dense	31 = Loblolly Pine	
9 = tall, dense		

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