







Species Modeling Report

Red-bellied Woodpecker

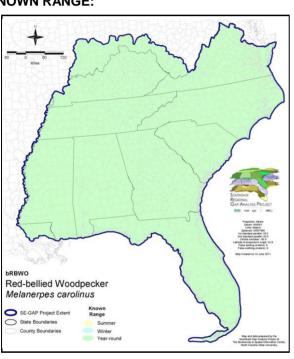
Melanerpes carolinus

Taxa: Avian Order: Piciformes Family: Picidae

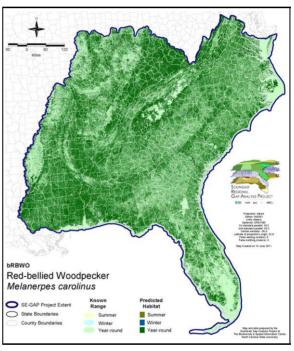
SE-GAP Spp Code: **bRBWO** ITIS Species Code: 178195

NatureServe Element Code: ABNYF04170

KNOWN RANGE:



PREDICTED HABITAT:



Range Map Link: http://www.basic.ncsu.edu/segap/datazip/maps/SE_Range_bRBWO.pdf Predicted Habitat Map Link: http://www.basic.ncsu.edu/segap/datazip/maps/SE_Dist_bRBWO.pdf GAP Online Tool Link: http://www.gapserve.ncsu.edu/segap/segap/index2.php?species=bRBWO Data Download: http://www.basic.ncsu.edu/segap/datazip/region/vert/bRBWO_se00.zip

PROTECTION STATUS:

Reported on March 14, 2011

Federal Status: ---

State Status: KY (N), NJ (INC/S), NY (PB), RI (Not Listed), QC (Non suivie)

NS Global Rank: G5

NS State Rank: AL (S5), AR (S5), CO (S4), CT (S4), DC (S5), DE (S5), FL (SNR), GA (S5), IA (S5B), IL (S5), IN (S4), KS (S5), KY (S5), LA (S5), MA (S4), MD (S5), ME (SNA), MI (S5), MN (SNR), MO (SNR), MS (S5), MT (SNA), NC (S5), ND (SU), NE (S4), NH (S2), NJ (S4B,S4N), NM (SNA), NY (S5), OH (S5), OK (S5), PA (S5), RI (S2B,S2N), SC (SNR), SD (S4), TN (S5), TX (S5B), VA (S5), VT (SNA), VT (SNA), WI (S5B), WI (S5B), WV (S5B,S5N), MB (SNA), MB (SNA), NB (SNA), NF (SNA), NS (SNA), ON (S4), PE (SNA), QC (S4B), SK (SNA)

bRBWO Page 1 of 6

SUMMARY OF PREDICTED HABITAT BY MANAGMENT AND GAP PROTECTION STATUS:

	US FWS		US Forest Service		Tenn. Valley Author.		US DOD/ACOE	
	ha	%	ha	%	ha	%	ha	%
Status 1	113,048.9	< 1	26,948.0	< 1	0.0	0	0.0	0
Status 2	227,479.4	< 1	323,046.5	< 1	0.0	0	4,875.8	< 1
Status 3	3,708.4	< 1	2,412,449.3	4	61,956.5	< 1	692,378.6	1
Status 4	80.9	< 1	< 0.1	< 1	0.0	0	216.8	< 1
Total	344,317.6	< 1	2,762,443.8	4	61,956.5	<1	697,471.1	1
	US Dept. of Energy		US Nat. Park Service		NOAA		Other Federal Lands	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	201,409.8	< 1	26.3	< 1	7,581.5	< 1
Status 2	0.0	0	17,076.4	< 1	5,960.3	< 1	67.2	< 1
Status 3	66,661.7	< 1	274,514.0	< 1	0.0	0	5,127.8	< 1
Status 4	0.0	0	0.0	0	0.0	0	0.0	0
Total	66,661.7	< 1	493,000.2	< 1	5,986.6	< 1	12,776.6	< 1
	Native Am. Reserv.		State Park/Hist. Park		State WMA/Gameland		State Forest	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	1,651.1	< 1	72.9	< 1	0.0	0
Status 2	0.0	0	19,033.7	< 1	731,084.3	1	1,443.6	< 1
Status 3	17,167.3	< 1	553,912.3	< 1	242,340.9	< 1	352,348.2	< 1
Status 4	0.0	0	< 0.1	< 1	110,477.1	< 1	48.8	< 1
Total	17,167.3	< 1	574,597.1	< 1	1,083,975.2	2	353,840.6	< 1
I	State Coastal Reserve		ST Nat.Area/Preserve		Other State Lands		Private Cons. Easemt.	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	15,691.4	< 1	0.0	0	0.0	0
Status 2	12,628.2	< 1	94,675.3	< 1	5.0	< 1	3,412.4	< 1
Status 3	0.0	0	23,362.4	< 1	23,359.4	< 1	103,718.3	< 1
Status 4	0.0	0	2.1	< 1	2,888.9	< 1	0.0	0
Total	12,628.2	< 1	133,731.2	< 1	26,253.4	<1	107,130.7	< 1
	Private Land - No Res.		Water				Overa	ıll Total
	ha	%	ha	%			ha	%
Status 1	0.0	0	0.0	0			366,429.9	< 1
Status 2	0.0	0	0.0	0			1,440,788.1	2
Status 3	645.1	< 1	1.1	< 1			4,833,651.1	11
Status 4	55,561,358.8	86	53,378.9	< 1			55,838,848.6	86
Total	55,562,003.9	86	53,380.0	< 1			62,479,717.7	100

GAP Status 1: An area having permanent protection from conversion of natural land cover and a mandated management plan in operation to maintain a natural state within which disturbance events (of natural type, frequency, and intensity) are allowed to proceed without interference or are mimicked through management.

GAP Status 2: An area having permanent protection from conversion of natural land cover and a mandated management plan in operation to maintain a primarily natural state, but which may receive use or management practices that degrade the quality of existing natural communities.

GAP Status 3: An area having permanent protection from conversion of natural land cover for the majority of the area, but subject to extractive uses of either a broad, low-intensity type or localized intense type. It also confers protection to federally listed endangered and threatened species throughout the area.

GAP Status 4: Lack of irrevocable easement or mandate to prevent conversion of natural habitat types to anthropogenic habitat types. Allows for intensive use throughout the tract. Also includes those tracts for which the existence of such restrictions or sufficient information to establish a higher status is unknown.

bRBWO Page 2 of 6

PREDICTED HABITAT MODEL(S):

Year-round Model:

Habitat Description:

Red-bellied woodpeckers breed in all forest types (Nicholson 1997) as well as in open areas such as forest edges, clearings, orchards, shade trees in suburbs (Kaufman 1996), and swamps (Ehrlich et al. 1988). Widespread in woodlands and forests; most common in bottomland hardwoods, but also use upland deciduous, pine forests, and residential woodlands (Hamel 1992). Commonly use the forest edge (Robertson and Kushlan 1984). # Rural and urban areas throughout Florida; river bottomland, pine flatwoods, open deciduous and mixed woodlands, hammocks, and ornamentals in residential areas (Stevenson and Anderson 1994). Red-bellied woodpeckers breed throughout Georgia in deciduous, pine or mixed forest at moderate and low elevations. They prefer open forested areas of mature or second-growth trees, and are common in bottomlands, but may also be found in uplands. Other suitable habitat includes parks or residential areas with mature trees, pecan groves and small woodlots. They are absent from the barrier islands (Fussell and Lyons 1990).

Excavates a nesting cavity from 5 to 120 feet above the ground in a deciduous snag or telephone pole (Ehrlich et al. 1988) or on the underside of a diagonal dead, bark-covered limb of a live tree. Will also enlarge the holes of and nest in birdhouses (Nicholson 1997). Forages by gleaning and caching items (Ehrlich et al. 1988). Nests in hole usually less than 12 m up in live or dead tree, stump, utility pole, wooden building, bird box. Starlings often take over completed holes (NATURE SERVE).

- K. Cook, 17Feb05

Elevation Mask: < 914m

Functional Group	Map Unit Name Developed Open Space				
Anthropogenic					
Anthropogenic	Low Intensity Developed				
Anthropogenic	Successional Shrub/Scrub (Clear Cut)				
Anthropogenic	Successional Shrub/Scrub (Other)				
Anthropogenic	Successional Shrub/Scrub (Utility Swath)				
Forest/Woodland	Alabama Ketona Glade and Woodland				
Forest/Woodland	Allegheny-Cumberland Dry Oak Forest and Woodland				
Forest/Woodland	Allegheny-Cumberland Dry Oak Forest and Woodland - Hardwood Modifier				
Forest/Woodland	Allegheny-Cumberland Dry Oak Forest and Woodland - Pine Modifier				
Forest/Woodland	Appalachian Hemlock-Hardwood Forest				
Forest/Woodland	Appalachian Shale Barrens				
Forest/Woodland	Atlantic Coastal Plain Dry and Dry-Mesic Oak Forest				
Forest/Woodland	Atlantic Coastal Plain Fall-Line Sandhills Longleaf Pine Woodland - Loblolly Modifier				
Forest/Woodland	Atlantic Coastal Plain Fall-line Sandhills Longleaf Pine Woodland - Offsite Hardwood Modifier				
Forest/Woodland	Atlantic Coastal Plain Fall-line Sandhills Longleaf Pine Woodland - Open Understory Modifier				
Forest/Woodland	Atlantic Coastal Plain Fall-line Sandhills Longleaf Pine Woodland - Scrub/Shrub Understory Modifier				
Forest/Woodland	Atlantic Coastal Plain Mesic Hardwood and Mixed Forest				
Forest/Woodland	Atlantic Coastal Plain Northern Mixed Oak-Heath Forest				
Forest/Woodland	Atlantic Coastal Plain Upland Longleaf Pine Woodland				
Forest/Woodland	Central Appalachian Alkaline Glade and Woodland				
Forest/Woodland	Central Appalachian Oak and Pine Forest				
Forest/Woodland	Central Appalachian Pine-Oak Rocky Woodland				
Forest/Woodland	Central Interior Highlands Calcareous Glade and Barrens				
Forest/Woodland	Central Interior Highlands Dry Acidic Glade and Barrens				
Forest/Woodland	Cumberland Sandstone Glade and Barrens				
Forest/Woodland	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest - Hardwood Modifier				
Forest/Woodland	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest - Mixed Modifier				
Forest/Woodland	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest - Pine Modifier				
Forest/Woodland	East Gulf Coastal Plain Interior Upland Longleaf Pine Woodland - Loblolly Modifier				

bribWO Page 3 of 6

Forest/Woodland East Gulf Coastal Plain Interior Upland Longleaf Pine Woodland - Open Understory Modifier

Forest/Woodland East Gulf Coastal Plain Interior Upland Longleaf Pine Woodland - Scrub/Shrub Modifier

Forest/Woodland East Gulf Coastal Plain Limestone Forest

Forest/Woodland East Gulf Coastal Plain Northern Dry Upland Hardwood Forest

Forest/Woodland East Gulf Coastal Plain Northern Loess Bluff Forest

Forest/Woodland East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland - Hardwood Modifier
Forest/Woodland East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland - Juniper Modifier

Forest/Woodland East Gulf Coastal Plain Northern Mesic Hardwood Forest

Forest/Woodland East Gulf Coastal Plain Southern Loess Bluff Forest

Forest/Woodland East Gulf Coastal Plain Southern Mesic Slope Forest

Forest/Woodland Florida Longleaf Pine Sandhill - Open Understory Modifier

Forest/Woodland Florida Longleaf Pine Sandhill - Scrub/Shrub Understory Modifier

Forest/Woodland Nashville Basin Limestone Glade

Forest/Woodland Northeastern Interior Dry Oak Forest - Mixed Modifier

Forest/Woodland Northeastern Interior Dry Oak Forest - Virginia/Pitch Pine Modifier

Forest/Woodland Northeastern Interior Dry Oak Forest-Hardwood Modifier
Forest/Woodland Northern Atlantic Coastal Plain Dry Hardwood Forest

Forest/Woodland Ridge and Valley Calcareous Valley Bottom Glade and Woodland

Forest/Woodland South Florida Pine Rockland

Forest/Woodland South-Central Interior Mesophytic Forest

Forest/Woodland Southeastern Interior Longleaf Pine Woodland

Forest/Woodland Southern and Central Appalachian Cove Forest

Forest/Woodland Southern and Central Appalachian Mafic Glade and Barrens

Forest/Woodland Southern and Central Appalachian Oak Forest
Forest/Woodland Southern and Central Appalachian Oak Forest - Xeric
Forest/Woodland Southern Appalachian Low Mountain Pine Forest

Forest/Woodland Southern Appalachian Montane Pine Forest and Woodland
Forest/Woodland Southern Coastal Plain Dry Upland Hardwood Forest
Forest/Woodland Southern Coastal Plain Oak Dome and Hammock
Forest/Woodland Southern Interior Low Plateau Dry-Mesic Oak Forest

Forest/Woodland Southern Interior Low Plateau Dry-Mesic Oak Forest - Evergreen Modifier

Forest/Woodland
Southern Piedmont Dry Oak-(Pine) Forest - Hardwood Modifier
Forest/Woodland
Southern Piedmont Dry Oak-(Pine) Forest - Loblolly Pine Modifier
Forest/Woodland
Southern Piedmont Dry Oak-(Pine) Forest - Mixed Modifier
Forest/Woodland
Southern Piedmont Dry Oak-Heath Forest - Hardwood Modifier
Forest/Woodland
Southern Piedmont Dry Oak-Heath Forest - Mixed Modifier

Forest/Woodland Southern Piedmont Dry Oak-Heath Forest - Virginia/Pitch Pine Modifier

Forest/Woodland Southern Piedmont Glade and Barrens
Forest/Woodland Southern Piedmont Mafic Hardpan Woodland

Forest/Woodland Southern Piedmont Mesic Forest

Forest/Woodland Southern Piedmont Northern Triassic Basin Dry Forest

Forest/Woodland Southern Ridge and Valley Dry Calcareous Forest

Forest/Woodland Southern Ridge and Valley Dry Calcareous Forest - Hardwood Modifier
Forest/Woodland Southern Ridge and Valley Dry Calcareous Forest - Pine Modifier

Wetlands Atlantic Coastal Plain Blackwater Stream Floodplain Forest - Forest Modifier

Wetlands Atlantic Coastal Plain Brownwater Stream Floodplain Forest
Wetlands Atlantic Coastal Plain Clay-Based Carolina Bay Forested Wetland

Wetlands Atlantic Coastal Plain Nonriverine Swamp and Wet Hardwood Forest - Taxodium/Nyssa Modifier
Wetlands Atlantic Coastal Plain Nonriverine Swamp and Wet Hardwood Forest - Oak Dominated Modifier

Wetlands Atlantic Coastal Plain Northern Basin Peat Swamp

Wetlands Atlantic Coastal Plain Northern Basin Swamp and Wet Hardwood Forest
Wetlands Atlantic Coastal Plain Northern Wet Longleaf Pine Savanna and Flatwoods

Wetlands Atlantic Coastal Plain Peatland Pocosin

Wetlands Atlantic Coastal Plain Small Blackwater River Floodplain Forest
Wetlands Atlantic Coastal Plain Small Brownwater River Floodplain Forest
Wetlands Atlantic Coastal Plain Southern Wet Pine Savanna and Flatwoods

bribWO Page 4 of 6

Wetlands Atlantic Coastal Plain Streamhead Seepage Swamp, Pocosin, and Baygall Wetlands Central Appalachian Floodplain - Forest Modifier Wetlands Central Appalachian Riparian - Forest Modifier Wetlands Central Florida Pine Flatwoods Wetlands East Gulf Coastal Plain Jackson Plain Dry Flatwoods - Open Understory Modifier Wetlands East Gulf Coastal Plain Jackson Plain Dry Flatwoods - Scrub/Shrub Understory Modifier Wetlands East Gulf Coastal Plain Large River Floodplain Forest - Forest Modifier Wetlands East Gulf Coastal Plain Near-Coast Pine Flatwoods - Offsite Hardwood Modifier Wetlands East Gulf Coastal Plain Near-Coast Pine Flatwoods - Open Understory Modifier Wetlands East Gulf Coastal Plain Near-Coast Pine Flatwoods - Scrub/Shrub Understory Modifier Wetlands East Gulf Coastal Plain Northern Seepage Swamp Wetlands East Gulf Coastal Plain Small Stream and River Floodplain Forest Wetlands East Gulf Coastal Plain Southern Loblolly-Hardwood Flatwoods Wetlands Lower Mississippi River Bottomland and Floodplain Forest Wetlands Lower Mississippi River Bottomland Depressions - Forest Modifier Wetlands Mississippi River Low Floodplain (Bottomland) Forest Wetlands Mississippi River Riparian Forest Wetlands North-Central Appalachian Acidic Swamp Wetlands North-Central Interior and Appalachian Rich Swamp South Florida Bayhead Swamp Wetlands Wetlands South Florida Cypress Dome Wetlands South Florida Dwarf Cypress Savanna Wetlands South Florida Hardwood Hammock Wetlands South Florida Pine Flatwoods Wetlands South Florida Willow Head Wetlands South-Central Interior Large Floodplain - Forest Modifier Wetlands South-Central Interior Small Stream and Riparian Wetlands South-Central Interior/Upper Coastal Plain Wet Flatwoods Wetlands Southern Coastal Plain Blackwater River Floodplain Forest Wetlands Southern Coastal Plain Hydric Hammock Wetlands Southern Coastal Plain Nonriverine Basin Swamp Wetlands Southern Coastal Plain Nonriverine Cypress Dome Wetlands Southern Coastal Plain Seepage Swamp and Baygall Wetlands Southern Piedmont Large Floodplain Forest - Forest Modifier Wetlands Southern Piedmont Seepage Wetland Wetlands Southern Piedmont Small Floodplain and Riparian Forest Wetlands Southern Piedmont/Ridge and Valley Upland Depression Swamp

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bRBWO Page 5 of 6

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This data was compiled and/or developed by the Southeast GAP Analysis Project at The Biodiversity and Spatial Information Center, North Carolina State University

bRBWO Page 6 of 6