



SOUTHEAST GAP ANALYSIS PROJECT



Species Modeling Report

Black-billed Cuckoo

Coccyzus erythrophthalmus

Taxa: Avian

Order: Cuculiformes

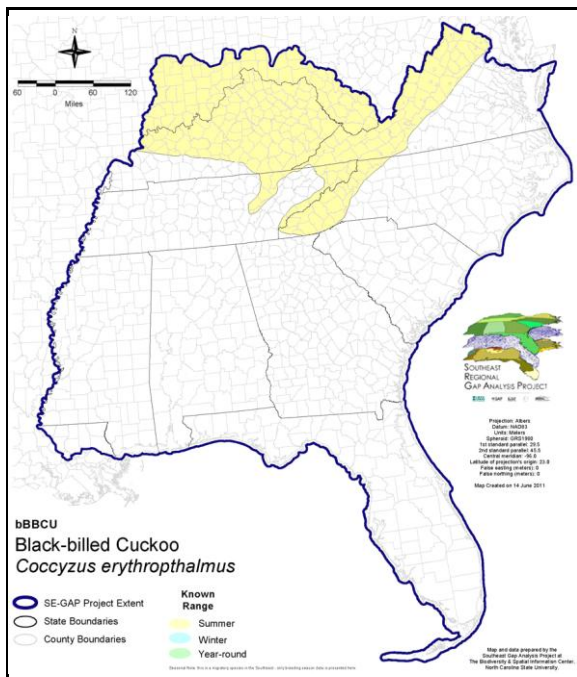
Family: Cuculidae

SE-GAP Spp Code: **bBBCU**

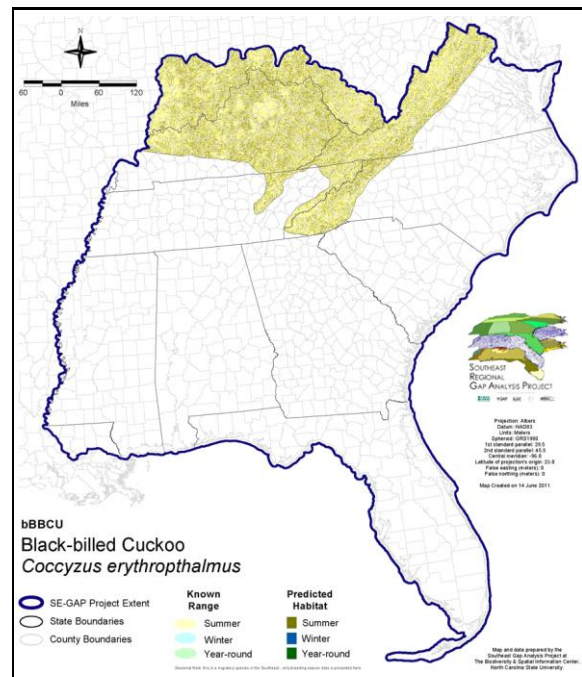
ITIS Species Code: 177834

NatureServe Element Code: ABNRB02010

KNOWN RANGE:



PREDICTED HABITAT:



Range Map Link: http://www.basic.ncsu.edu/segap/datazip/maps/SE_Range_bBBCU.pdf

Predicted Habitat Map Link: http://www.basic.ncsu.edu/segap/datazip/maps/SE_Dist_bBBCU.pdf

GAP Online Tool Link: <http://www.gapservice.ncsu.edu/segap/segap/index2.php?species=bBBCU>

Data Download: http://www.basic.ncsu.edu/segap/datazip/region/vert/bBBCU_se00.zip

PROTECTION STATUS:

Reported on March 14, 2011

Federal Status: ---

State Status: ID (P), ID (P), IL (LT), KY (N), NC (SR), NC (SR), ND (Level I), NJ (SC/S), NY (PB), RI (Not Listed), UT (None), WI (SC/M), WI (SC/M), BC (8 (2005)), QC (Non suivie)

NS Global Rank: G5

NS State Rank: AL (SNA), AR (S1B), AR (S1B), AZ (SNA), CO (S2B), CO (S2B), CT (S5B), CT (S5B), DC (S1S2N), DE (S1B), FL (SNA), GA (S3?), IA (S3B), ID (S1B), ID (S1B), IL (S4), IN (S4B), KS (S3B), KY (S3S4B), LA (SNA), MA (S4B,S4N), MD (S4B), ME (S4S5B), MI (S5), MN (SNRB), MO (SNRB), MS (SNA), MT (S3S4B), NC (S2B), NC (S2B), ND (SNRB), NE (S5), NH (S4B), NJ (S3B), NM (SNA), NY (S5), OH (S5), OK (S1B), PA (S5B), RI (S5B,S5N), SC (SNA), SC (SNA), SD (S4B), SD (S4B), TN (S2B), TX (S3), UT (SNA), VA (S4B), VT (S5B), VT (S5B), WA (SNA), WI (S4B), WI (S4B), WV (S3B), WY (S2), WY (S2), AB (SU), BC (SNA), MB (S3S4B), MB (S3S4B), NB (S4B), NF (SNA), NS (S3B), ON (S5B), PE (S4B), QC (S4B), SK (S5B)

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	0.0	0	3,051.4	< 1	0.0	0	0.0	0
Status 2	177.4	< 1	30,426.7	< 1	0.0	0	286.3	< 1
Status 3	17.8	< 1	153,980.7	4	867.4	< 1	13,081.7	< 1
Status 4	23.3	< 1	0.0	0	0.0	0	0.0	0
Total	218.5	< 1	187,458.8	5	867.4	< 1	13,368.0	< 1
	US Dept. of Energy		US Nat. Park Service		NOAA		Other Federal Lands	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	27,958.2	< 1	0.0	0	0.0	0
Status 2	0.0	0	1,495.2	< 1	0.0	0	0.0	0
Status 3	0.0	0	17,099.0	< 1	0.0	0	0.0	0
Status 4	0.0	0	0.0	0	0.0	0	0.0	0
Total	0.0	0	46,552.4	1	0.0	0	0.0	0
	Native Am. Reserv.		State Park/Hist. Park		State WMA/Gameland		State Forest	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	0.0	0	0.0	0	0.0	0
Status 2	0.0	0	0.0	0	43,414.5	1	192.2	< 1
Status 3	3,744.8	< 1	7,251.2	< 1	17,474.9	< 1	3,415.1	< 1
Status 4	0.0	0	0.0	0	2,068.5	< 1	0.0	0
Total	3,744.8	< 1	7,251.2	< 1	62,957.8	2	3,607.2	< 1
	State Coastal Reserve		ST Nat.Area/Preserve		Other State Lands		Private Cons. Easemt.	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	1,301.8	< 1	0.0	0	0.0	0
Status 2	0.0	0	1,688.5	< 1	0.0	0	0.0	0
Status 3	0.0	0	0.0	0	988.7	< 1	10.2	< 1
Status 4	0.0	0	0.0	0	146.0	< 1	0.0	0
Total	0.0	0	2,990.3	< 1	1,134.6	< 1	10.2	< 1
	Private Land - No Res.		Water		Overall Total			
	ha	%	ha	%	ha	%		
Status 1	0.0	0	0.0	0	32,311.4	< 1		
Status 2	0.0	0	0.0	0	77,680.6	2		
Status 3	0.0	0	0.0	0	217,931.4	9		
Status 4	3,583,529.9	88	5,115.3	< 1	3,592,928.2	88		
Total	3,583,529.9	88	5,115.3	< 1	3,920,851.5	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.

PREDICTED HABITAT MODEL(S):

Summer Model:

Habitat Description: Black-billed cuckoos are generally thought to prefer medium to mature deciduous forests (Simpson 1992) and forest edges (Nicholson 1997) with dense shrubby vegetation, the second growth of mixed or deciduous woods, and other shrubby places such as thickets and marsh margins (Kaufman 1996).

The nest is placed 2 to 6 feet above the ground, horizontally against the trunk of a deciduous or coniferous tree or shrub, or occasionally on a log or on the ground (Ehrlich et al. 1988). They Forage by gleaning insects in shrubs and trees (Kaufman 1996).

They are also reported to use brushy pastures and hedgerows (NATURESEVRE).

Nests are placed in groves of trees, forest edges, moist thickets, overgrown pastures; in deciduous or evergreen tree of shrub, average of 1.8 m above ground (Harrison 1979).

Quoted directly from existing state habitat notes - K. Cook, 16Feb05

Elevation Mask: < 1524m

Mask of Forest/Open Ecotone: Include within 125m of ecotone edge.

Mask of Woodlands and Shrublands: Include all woodland and shrubland interiors and 125m buffer from them.

Contiguous Patch Minimum Size (hectares): 4

Selected Map Units:

Functional Group	Map Unit Name
Anthropogenic	Deciduous Plantations
Anthropogenic	Evergreen Plantations
Forest/Woodland	Allegheny-Cumberland Dry Oak Forest and Woodland
Forest/Woodland	Allegheny-Cumberland Dry Oak Forest and Woodland - Hardwood Modifier
Forest/Woodland	Appalachian Hemlock-Hardwood Forest
Forest/Woodland	Appalachian Serpentine Woodland
Forest/Woodland	Appalachian Shale Barrens
Forest/Woodland	Atlantic Coastal Plain Dry and Dry-Mesic Oak Forest
Forest/Woodland	Atlantic Coastal Plain Mesic Hardwood and Mixed Forest
Forest/Woodland	Atlantic Coastal Plain Northern Mixed Oak-Heath Forest
Forest/Woodland	Central and Southern Appalachian Montane Oak Forest
Forest/Woodland	Central and Southern Appalachian Northern Hardwood Forest
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 Northern Dry Upland Hardwood Forest - Offsite Pine 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	Ridge and Valley Calcareous Valley Bottom Glade and Woodland
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 Montane Pine Forest and Woodland
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
Wetlands	Atlantic Coastal Plain Blackwater Stream Floodplain Forest - Forest Modifier
Wetlands	Atlantic Coastal Plain Brownwater Stream Floodplain Forest
Wetlands	Atlantic Coastal Plain Northern Basin Swamp and Wet Hardwood Forest
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 Streamhead Seepage Swamp, Pocosin, and Baygall
Wetlands	Central Appalachian Floodplain - Forest Modifier
Wetlands	Central Appalachian Riparian - Forest Modifier
Wetlands	North-Central Appalachian Acidic Swamp
Wetlands	North-Central Interior and Appalachian Rich Swamp
Wetlands	South-Central Interior Large Floodplain - Forest Modifier
Wetlands	South-Central Interior Small Stream and Riparian
Wetlands	Southern Coastal Plain Blackwater River Floodplain Forest
Wetlands	Southern Piedmont Large Floodplain Forest - Forest Modifier
Wetlands	Southern Piedmont Small Floodplain and Riparian Forest

- CITATIONS:** American Ornithologists' Union (AOU), Committee on Classification and Nomenclature. 1983. Check-list of North American Birds. Sixth Edition. American Ornithologists' Union, Allen Press, Inc., Lawrence, Kansas.
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