



SOUTHEAST GAP ANALYSIS PROJECT



Species Modeling Report

Blackburnian Warbler

Dendroica fusca

Taxa: Avian

Order: Passeriformes

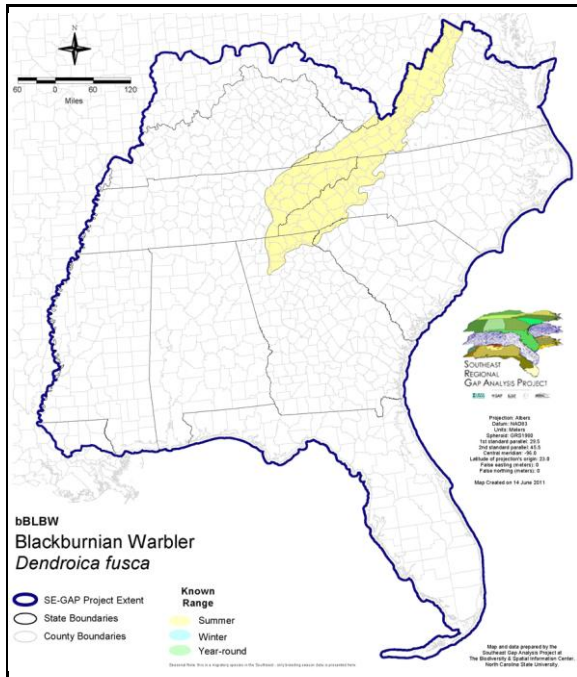
Family: Parulidae

SE-GAP Spp Code: **bBLBW**

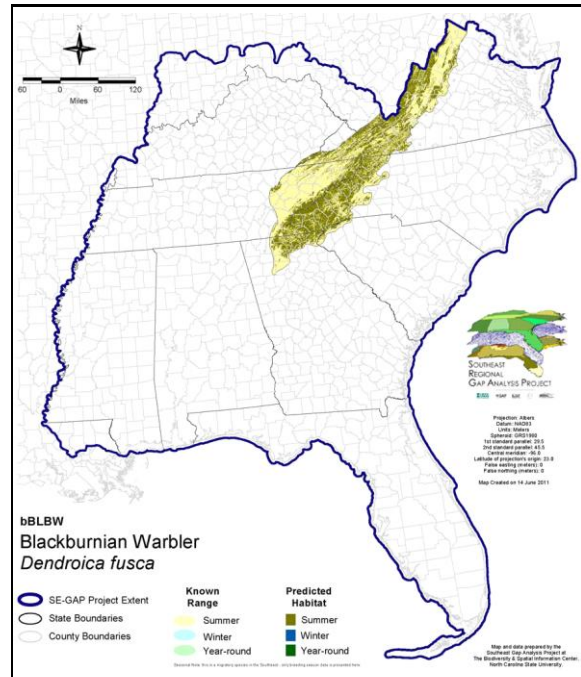
ITIS Species Code: 178904

NatureServe Element Code: ABPBX03120

KNOWN RANGE:



PREDICTED HABITAT:



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

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

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

Data Download: http://www.basic.ncsu.edu/segap/datazip/region/vert/bBLBW_se00.zip

PROTECTION STATUS:

Reported on March 14, 2011

Federal Status: ---

State Status: KY (T), MD (T), NJ (SC/S), NV (YES), NY (PB), OH (SI), RI (State Threatened), UT (None), BC (8 (2005)), QC (Non suivie)

NS Global Rank: G5

NS State Rank: AL (SNR), AR (SNA), AZ (SNA), CA (SNA), CO (SNA), CT (S5B), CT (S5B), DC (S3N), DE (SNA), FL (SNA), GA (S4), IA (S3N), IL (SNA), IN (SNA), KS (SNA), KY (S1S2B), LA (SNA), MA (S4B), MD (S1S2B), ME (S5B), MI (S5), MN (SNRB), MO (SNA), MS (SNA), MT (SNA), NC (S4B), NC (S4B), ND (SNA), NE (SNRN), NH (S5B), NJ (S3B), NM (S4N), NV (SNA), NY (S5), OH (S1), OK (S2N), PA (S4B), RI (S1B,S1N), SC (S2?), SD (SNA), TN (S3B,S4N), TX (S3), UT (SNA), VA (S2B), VA (S2B), VT (S5B), VT (S5B), WA (SNA), WI (S3S4B), WI (S3S4B), WV (S3B), WY (SNA), AB (S2), BC (SNA), MB (S5B), MB (S5B), NB (S5B), NF (S1B), NS (S4S5B), ON (S5B), PE (S5B), QC (S5B), SK (S4B), SK (S4B)

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	28,505.2	< 1	0.0	0	0.0	0
Status 2	0.0	0	240,991.7	5	0.0	0	0.0	0
Status 3	0.0	0	1,036,493.3	20	289.8	< 1	649.0	< 1
Status 4	25.9	< 1	0.0	0	0.0	0	0.0	0
Total	25.9	< 1	1,305,990.2	25	289.8	< 1	649.0	< 1
	US Dept. of Energy		US Nat. Park Service		NOAA		Other Federal Lands	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	245,478.8	5	0.0	0	0.0	0
Status 2	0.0	0	4,696.4	< 1	0.0	0	0.0	0
Status 3	0.0	0	24,731.2	< 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	274,906.4	5	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	9,845.2	< 1	63,442.5	1	0.0	0
Status 3	16,725.8	< 1	21,352.7	< 1	10,571.1	< 1	5,252.5	< 1
Status 4	0.0	0	0.0	0	512.6	< 1	0.0	0
Total	16,725.8	< 1	31,197.9	< 1	74,526.3	1	5,252.5	< 1
	State Coastal Reserve		ST Nat.Area/Preserve		Other State Lands		Private Cons. Easemt.	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	0.0	0	0.0	0	0.0	0
Status 2	0.0	0	11,549.3	< 1	0.0	0	0.0	0
Status 3	0.0	0	0.0	0	73.9	< 1	0.0	0
Status 4	0.0	0	0.0	0	190.2	< 1	0.0	0
Total	0.0	0	11,549.3	< 1	264.1	< 1	0.0	0
	Private Land - No Res.		Water		Overall Total			
	ha	%	ha	%	ha		%	
Status 1	0.0	0	0.0	0	273,983.9		5	
Status 2	0.0	0	0.0	0	330,525.2		6	
Status 3	0.0	0	0.0	0	1,116,139.2		42	
Status 4	2,419,911.5	47	43.7	< 1	2,421,170.7		47	
Total	2,419,911.5	47	43.7	< 1	4,141,819.1		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: At high elevations, found in mature and advanced second growth (Curson et al. 1994) forests of tall spruce, fir, hemlock, and northern hardwoods (Potter et al. 1980, Dunn and Garrett 1997). Mature hemlock and mixed hemlock-deciduous forests may be optimal habitat (Nicholson 1997). At lower elevations (to 3000 feet), can be found in mature deciduous forests and in oak-hickory-pine dominated areas (Dunn and Garrett 1997). Amy Silvano 7jun05.

***Quoted directly from state habitat notes. Amy Silvano 7jun05

Ecosystem classifiers: Mixed, Hardwood, Mesic, & Montane Forests. Amy Silvano 7jun05

Elevation Mask: > 480m and < 2500m

Selected Map Units:

Functional Group	Map Unit Name
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	Central and Southern Appalachian Montane Oak Forest
Forest/Woodland	Central and Southern Appalachian Northern Hardwood Forest
Forest/Woodland	Central and Southern Appalachian Spruce-Fir Forest
Forest/Woodland	Central Appalachian Oak and Pine Forest
Forest/Woodland	Northeastern Interior Dry Oak Forest - Mixed Modifier
Forest/Woodland	Northeastern Interior Dry Oak Forest-Hardwood Modifier
Forest/Woodland	Southern and Central Appalachian Cove Forest
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-Heath Forest - Virginia/Pitch Pine Modifier
Forest/Woodland	Southern Ridge and Valley Dry Calcareous Forest
Forest/Woodland	Southern Ridge and Valley Dry Calcareous Forest - Hardwood Modifier

CITATIONS: Alsop, F.J. III and T.F. Laughlin. 1991. Changes in the spruce-fir avifauna of Mt. Guyot, Tennessee, 1967-1985. *Journal of the Tennessee Academy of Science* 66:207-209.

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.

Bent, A.C. 1953. Life histories of North American wood warblers. U.S. Natl. Mus. Bull. 203. Washington, D.C.

Chipley, R. M. 1980. Nonbreeding ecology of the blackburnian warbler. Pages 309-317 in B80KEA02NA.

Curson, J., D. Quinn and D. Beadle. 1994. Warblers of the americas: an identification guide. Houghton Mifflin Co., New York. 252 p.

Doepker, R.V., R.D. Earle, and J.J. Ozoga. 1992. Characteristics of blackburnian warbler, *Dendroica fusca*, breeding habitat in Upper Michigan. *Canadian-Field-Naturalist* 106: 366-371.

Dunn, J.L., and K.L. Garrett. 1997. A field guide to warblers of North America. Houghton Mifflin Company, Boston.

Ehrlich, P.R., D.S. Dobkin, and D. Wheye. 1988. The birder's handbook: a field guide to the natural history of North American birds. Simon and Shuster, Inc., New York. xxx + 785 pp.

Griscom, L., and A. Sprunt, Jr. 1979. The warblers of America. Doubleday and Co., Garden City, New York. 302 pp.

Hamel, P. B. 1992. The land manager's guide to the birds of the south. The Nature Conservancy, Chapel Hill, North Carolina. 367 pp + several appendices.

Harrison, C. 1978. A field guide to the nests, eggs and nestlings of North American birds. Collins, Cleveland, Ohio.

Harrison, H.H. 1984. Wood warblers' world. Simon and Schuster, New York. 335 pp.

Keast, A., and E. S. Morton. 1980. Migrant birds in the Neotropics; ecology, distribution, and conservation. Smithsonian Inst. Press, Washington, D.C.

Kricher, J. 1995. Black-and-white warbler (*Mniotilta varia*). In A. Poole and F. Gill, eds., *The Birds of North America*, No. 158. The Academy of Natural Sciences, Philadelphia and The American Ornithologists' Union, Washington, DC.

McNair, D. B. 1987. Egg data slips-are they useful for information on egg-laying dates and clutch size? *Condor* 89:369-76.

Nicholson CP. 1997. Atlas of the breeding birds of Tennessee. Knoxville: University of Tennessee Press.

Pearson, T.G. 1959. Birds of North Carolina. Raleigh, NC: Bynum Printing Company.

Potter, E. F., J. F. Parnell, and R. P. Teulings. 1980. Birds of the Carolinas. Univ. North Carolina Press, Chapel Hill. 408 pp.

Ridgely, R.S., and G. Tudor. 1989. The birds of South America. Vol. 1. The Oscine passerines. Univ. Texas Press, Austin. 516 pp.

Stiles, F.G., and A.F. Skutch. 1989. A guide to the birds of Costa Rica. Comstock Publ. Associates, Cornell University Press, Ithaca, New York. 511 pp.

Terres, J.K. 1980. The Audubon Society encyclopedia of North American birds. Alfred A. Knopf, New York.

For more information:: SE-GAP Analysis Project / BaSIC
127 David Clark Labs
Dept. of Biology, NCSU
Raleigh, NC 27695-7617
(919) 513-2853
www.basic.ncsu.edu/segap

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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.