



SOUTHEAST GAP ANALYSIS PROJECT



Species Modeling Report

Black-throated Blue Warbler

Dendroica caerulescens

Taxa: Avian

Order: Passeriformes

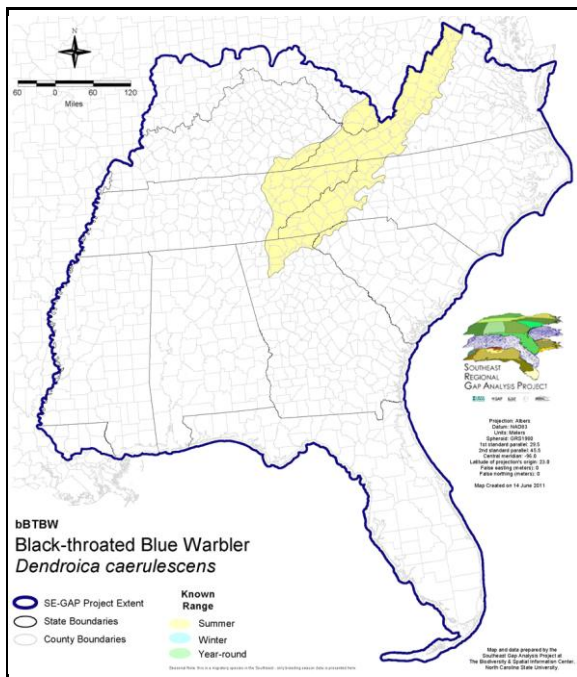
Family: Parulidae

SE-GAP Spp Code: **bBTBW**

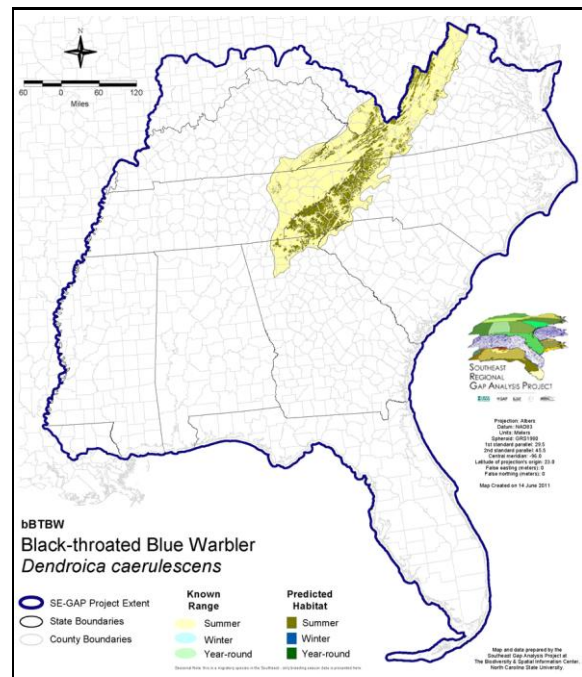
ITIS Species Code: 178888

NatureServe Element Code: ABPBX03050

KNOWN RANGE:



PREDICTED HABITAT:



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

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

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

Data Download: http://www.basic.ncsu.edu/segap/datazip/region/vert/bBTBW_se00.zip

PROTECTION STATUS:

Reported on March 14, 2011

Federal Status: ---

State Status: ID (P), KY (N), MN (NON), NJ (SC/S), NV (YES), NY (PB), OH (SI), RI (State Threatened), UT (None), WI (SC/M), WI (SC/M), BC (8 (2005)), QC (Non suivie)

NS Global Rank: G5

NS State Rank: AK (SNA), AL (SNA), AR (SNA), AZ (S1M), CA (SNA), CO (SNA), CT (S5B), CT (S5B), DC (S4N), DE (SNA), FL (SNA), GA (S5), IA (SNA), ID (SNA), IL (SNA), IN (SNA), KS (SNA), KY (S3S4B), LA (SNA), MA (S4B), MD (S3S4B), ME (S5B), MI (S4), 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 (SNA), OK (S1N), OR (SNA), PA (S4B), RI (S1B,S3N), SC (S4), SD (SNA), TN (S4), TX (S3), UT (SNA), VA (S4), VT (S5B), VT (S5B), WA (SNA), WI (S3B), WI (S3B), WV (S4B), WY (SNA), AB (SNA), BC (SNA), MB (SNA), NB (S5B), NF (SNA), NS (S4B), ON (S5B), PE (S4B), QC (S5B), SK (S2B), SK (S2B)

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	21,616.6	< 1	0.0	0	0.0	0
Status 2	0.0	0	180,378.9	6	0.0	0	0.0	0
Status 3	0.0	0	672,799.1	23	0.0	0	0.0	0
Status 4	0.0	0	0.0	0	0.0	0	0.0	0
Total	0.0	0	874,794.5	29	0.0	0	0.0	0
	US Dept. of Energy		US Nat. Park Service		NOAA		Other Federal Lands	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	173,343.2	6	0.0	0	0.0	0
Status 2	0.0	0	3,137.5	< 1	0.0	0	0.0	0
Status 3	0.0	0	19,529.0	< 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	196,009.7	7	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	4,073.1	< 1	36,093.4	1	0.0	0
Status 3	14,259.2	< 1	10,223.8	< 1	5,511.6	< 1	4,419.1	< 1
Status 4	0.0	0	0.0	0	0.0	0	0.0	0
Total	14,259.2	< 1	14,297.0	< 1	41,605.0	1	4,419.1	< 1
	State Coastal Reserve		ST Nat.Area/Preserve		Other State Lands		Private Cons. Easemt.	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	855.8	< 1	0.0	0	0.0	0
Status 2	0.0	0	5,513.9	< 1	0.0	0	0.0	0
Status 3	0.0	0	0.0	0	31.5	< 1	0.0	0
Status 4	0.0	0	0.0	0	36.9	< 1	0.0	0
Total	0.0	0	6,369.8	< 1	68.4	< 1	0.0	0
	Private Land - No Res.		Water		Overall Total			
	ha	%	ha	%	ha		%	
Status 1	0.0	0	0.0	0	195,815.5		7	
Status 2	0.0	0	0.0	0	229,196.9		8	
Status 3	0.0	0	0.0	0	726,773.2		47	
Status 4	1,164,961.3	39	0.4	< 1	1,164,998.5		39	
Total	1,164,961.3	39	0.4	< 1	2,316,784.1		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: Black-throated blue warblers required relatively large tracts of undisturbed deciduous or mixed forests (Holmes 1994, NatureServe 2005). They inhabit forests dominated by maples, birches, beech, and eastern hemlock (Holmes 1994). They prefer heavy undergrowth (Harrison 1975) in the shrub layer in the interior regions (Dunn and Garrett 1997), and in the high elevation spruce-fir forests (Alsop 1991, Hamel 1992), especially mountain laurel or rhododendron (Holmes 1994). Also nests in heath balds (Simpson 1992), old clearings, and logged areas (Curson et al. 1994), typically on mountain slopes and ridges (Dunn and Garrett 1997). It is also found in oak-pine woods and ravines forested by hemlocks (Dunn and Garrett 1997), often near a stream (Potter et al. 1980). Amy Silvano 6jun05

***Portions quoted directly from compiled habitat. Amy Silvano 6jun05

??? I have added in riparian forests based on NC-GAP compiled notes however, I believe this species only occupies riparian woodlands and forests during migration. We may want to exclude these systems. Amy Silvano 6jun05

Ecosystem Classifiers: Mixed, hardwood, Mesic Cove, & Montane Forests, Swamps, Riparian Forest Ecosystems only, Shrub Bald. Amy Silvano 6jun05

Elevation Mask: > 725m and < 2500m

Contiguous Patch Minimum Size (hectares): 1000

Selected Map Units:

Functional Group	Map Unit Name
Bald	Central Appalachian Montane Rocky Bald - Shrub Modifier
Bald	Southern Appalachian Grass and Shrub Bald - Shrub Modifier
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	South-Central Interior Mesophytic Forest
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-(Pine) Forest - Hardwood 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 Mesic Forest
Forest/Woodland	Southern Ridge and Valley Dry Calcareous Forest
Forest/Woodland	Southern Ridge and Valley Dry Calcareous Forest - Hardwood 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 Small Stream and Riparian
Wetlands	Southern Piedmont Small Floodplain and Riparian Forest

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