



SOUTHEAST GAP ANALYSIS PROJECT



Species Modeling Report

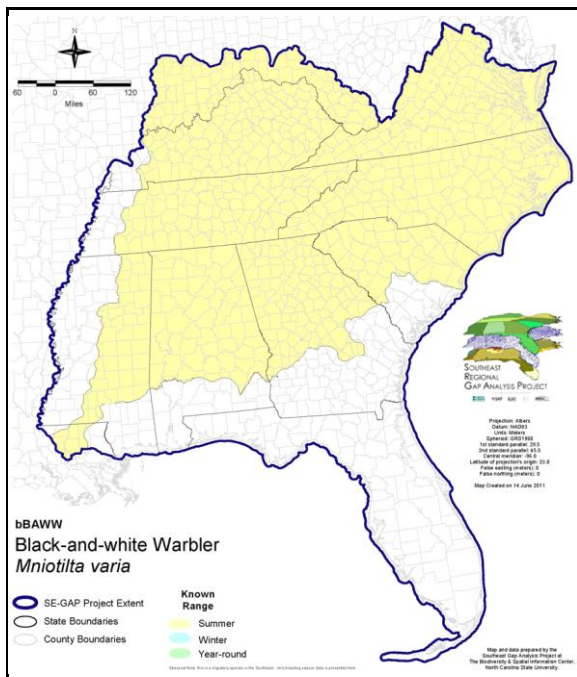
Black-and-white Warbler

Mniotilta varia

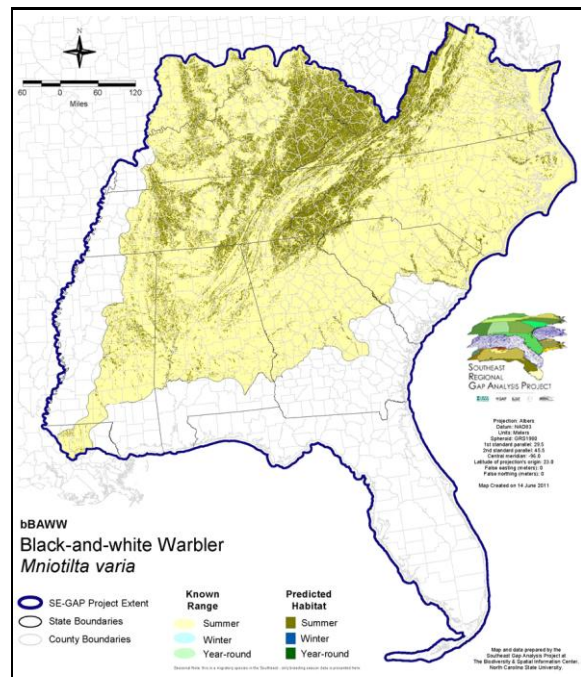
Taxa: Avian
 Order: Passeriformes
 Family: Parulidae

SE-GAP Spp Code: **bBAWW**
 ITIS Species Code: 178844
 NatureServe Element Code: ABPBX05010

KNOWN RANGE:



PREDICTED HABITAT:



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

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

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

Data Download: http://www.basic.ncsu.edu/segap/datazip/region/vert/bBAWW_se00.zip

PROTECTION STATUS:

Reported on March 14, 2011

Federal Status: ---

State Status: ID (P), IN (SSC), KY (N), ME (SC), NJ (S/S), NV (YES), NY (PB), RI (Not Listed), UT (None), BC (4 (2005)), QC (Non suivie)

NS Global Rank: G5

NS State Rank: AK (SNA), AL (S5B,S3N), AR (S4B,S4N), AZ (S1B,S1N), CA (SNA), CO (SNA), CT (S5B), CT (S5B), DC (S4N), DE (S3B), FL (SNRN), GA (S5), IA (S5N), IA (S5N), ID (SNA), IL (S2S3), IN (S1S2B), KS (S3B), KY (S4S5B), LA (S4B), MA (S5B), MD (S4B), ME (S5), MI (S5), MN (SNRB), MO (SNRB), MS (S5B), MS (S5B), MT (S2S3B), NC (S5B,S1N), ND (SNRB), NE (S3), NH (S5B), NJ (S4B), NM (S4N), NV (SNA), NY (S5), OH (S4), OK (S4B), OR (SNA), PA (S5B), RI (S5B), SC (SNRB,SNRN), SD (S2S3B), SD (S2S3B), TN (S4), TX (S4B), UT (SNA), VA (S5), VT (S5B), VT (S5B), WA (SNA), WI (S4B), WI (S4B), WV (S5B), WY (S5N), AB (S5), BC (S4S5B), LB (S2B), MB (S5B), MB (S5B), NB (S5B), NF (S5B), NS (S5B), NT (SNRB), ON (S5B), PE (S5B), QC (S5B), SK (S5B), SK (S5B), YT (S1B)

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	34,605.5	< 1	27,343.7	< 1	0.0	0	0.0	0
Status 2	41,636.8	< 1	287,599.5	2	0.0	0	648.3	< 1
Status 3	1,554.4	< 1	1,419,162.8	9	16,007.0	< 1	60,858.7	< 1
Status 4	14.4	< 1	0.0	0	0.0	0	0.0	0
Total	77,811.0	< 1	1,734,106.1	12	16,007.0	< 1	61,507.0	< 1
	US Dept. of Energy		US Nat. Park Service		NOAA		Other Federal Lands	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	256,395.0	2	0.0	0	0.0	0
Status 2	0.0	0	9,186.5	< 1	35.3	< 1	0.0	0
Status 3	14,006.3	< 1	60,579.4	< 1	0.0	0	0.0	0
Status 4	0.0	0	0.0	0	0.0	0	0.0	0
Total	14,006.3	< 1	326,160.8	2	35.3	< 1	0.0	0
	Native Am. Reserv.		State Park/Hist. Park		State WMA/Gameland		State Forest	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	795.4	< 1	67.9	< 1	0.0	0
Status 2	0.0	0	13,902.8	< 1	238,925.4	2	1,321.0	< 1
Status 3	18,051.5	< 1	68,752.4	< 1	87,586.0	< 1	18,721.4	< 1
Status 4	0.0	0	0.0	0	23,341.8	< 1	0.0	0
Total	18,051.5	< 1	83,450.7	< 1	349,921.1	2	20,042.5	< 1
	State Coastal Reserve		ST Nat.Area/Preserve		Other State Lands		Private Cons. Easemt.	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	9,880.0	< 1	0.0	0	0.0	0
Status 2	4,392.6	< 1	42,965.2	< 1	< 0.1	< 1	692.5	< 1
Status 3	0.0	0	1,646.6	< 1	787.1	< 1	508.6	< 1
Status 4	0.0	0	2.1	< 1	393.7	< 1	0.0	0
Total	4,392.6	< 1	54,493.8	< 1	1,180.8	< 1	1,201.1	< 1
	Private Land - No Res.		Water		Overall Total			
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	0.0	0	329,087.4 2			
Status 2	0.0	0	0.0	0	641,306.0 4			
Status 3	305.7	< 1	0.0	0	1,768,527.8 21			
Status 4	10,861,945.4	72	2,324.6	< 1	10,911,349.3 72			
Total	10,862,251.1	72	2,324.6	< 1	13,650,270.5 100			

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: Within mountain regions the black-and white warbler is typically found in mature hardwood forests, mixed forests and cove forests and is generally more common in slope environments. Outside of mountain regions (Piedmont and Coastal Plain), this species is typically found in swamp bottomlands and moist mixed forests where it often nests along hillsides or in ravines. This species also appears to be associated with relatively closed canopy forests (NatureServe 2004). ALS Jan 05.

Ecosystem Classifiers: Mixed deciduous, Mesic Hardwood, Mesic Cove, Montane Hardwood, Bottomland, Swamp hardwoods, Even-aged (plantation) deciduous stands (Kricher 1995). Slope characteristics, Closed overstory, open understory

Contiguous Patch Minimum Size (hectares): 100

Selected Map Units:

Functional Group	Map Unit Name
Anthropogenic	Deciduous 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	Atlantic Coastal Plain Dry and Dry-Mesic Oak Forest
Forest/Woodland	Atlantic Coastal Plain Fall-line Sandhills Longleaf Pine Woodland - Offsite Hardwood Modifier
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 Oak and Pine Forest
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 Upland Longleaf Pine Woodland - Offsite Hardwood 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 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	Northeastern Interior Dry Oak Forest - Mixed Modifier
Forest/Woodland	Northeastern Interior Dry Oak Forest-Hardwood Modifier
Forest/Woodland	Northern Atlantic Coastal Plain Dry Hardwood Forest
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 Coastal Plain Dry Upland Hardwood Forest
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	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 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	East Gulf Coastal Plain Large River Floodplain Forest - Forest 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
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 Nonriverine Basin Swamp
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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