







Species Modeling Report

Blue-headed Vireo

Vireo solitarius

Taxa: Avian Order: Passeriformes

Family: Vireonidae

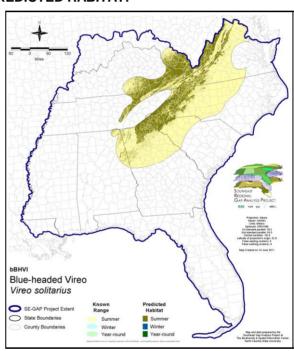
SE-GAP Spp Code: **bBHVI** ITIS Species Code: 179010

NatureServe Element Code: ABPBW01160

KNOWN RANGE:

Blue-headed Vireo Vireo solitarius

PREDICTED HABITAT:



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

Predicted Habitat Map Link: http://www.basic.ncsu.edu/segap/datazip/maps/SE_Dist_bBHVI.pdf GAP Online Tool Link: http://www.gapserve.ncsu.edu/segap/segap/index2.php?species=bBHVI

Data Download: http://www.basic.ncsu.edu/segap/datazip/region/vert/bBHVI_se00.zip

PROTECTION STATUS:

Reported on March 14, 2011

Federal Status: ---

State Status: ID (P), KY (N), NJ (S/S), NY (PB), OH (N), RI (Not Listed), BC (4 (2005)), QC (Non suivie)

NS Global Rank: G5

NS State Rank: AL (S2B,S4N), AR (S4N), AZ (SNA), CO (SNA), CT (S5B), CT (S5B), DC (S2N), DE (SNA), FL (SNRN), GA (S5), IA (S3N), ID (SNA), IL (S1), IN (SNA), KS (SNA), KY (S3S4B), LA (S4N), MA (S4B,S5N), MD (S3S4B), ME (S5B), MI (S5), MN (SNRB), MO (SNA), MS (S5N), MT (SNA), NC (S5B,S3N), ND (SNA), NH (S5B), NJ (S3B), NM (SNA), NY (S5), OH (S2), OK (S2N), OR (SNA), PA (S5B), RI (S3B), SC (SNRB,SNRN), TN (S4), TX (SNA), VA (S4), VT (S5B), VT (S5B), WI (S3B), WI (S3B), WV (S5B), AB (S5), BC (S4S5B), MB (S5B), MB (S5B), NB (S5B), NF (S3B), NS (S5B), NT (SNRB), ON (S5B), PE (S5B), QC (S5B), SK (S5B), SK (S5B), YT (S3B)

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SUMMARY OF PREDICTED HABITAT BY MANAGMENT AND GAP PROTECTION STATUS:

1	US FWS		US Forest Service		Tenn. Valley Author.		US DOD/ACOE	
	ha	%	ha	%	ha	%	ha	%
Status 1	1,750.6	< 1	20,591.1	< 1	0.0	0	0.0	0
Status 2	1,303.7	< 1	282,980.5	4	0.0	0	0.0	0
Status 3	0.0	0	1,286,615.0	16	1,924.2	< 1	736.9	< 1
Status 4	50.0	< 1	0.0	0	0.0	0	0.0	0
Total	3,104.3	< 1	1,590,186.6	20	1,924.2	< 1	736.9	< 1
	US Dept. of Energy		US Nat. Park Service		NOAA		Other Federal Lands	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	183,424.5	2	0.0	0	0.0	0
Status 2	0.0	0	10,852.4	< 1	0.0	0	0.0	0
Status 3	0.0	0	53,192.3	< 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	247,469.2	3	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	248.9	< 1	0.4	< 1	0.0	0
Status 2	0.0	0	15,321.1	< 1	155,970.9	2	1,313.8	< 1
Status 3	17,011.6	< 1	36,227.7	< 1	38,886.8	< 1	12,952.8	< 1
Status 4	0.0	0	0.0	0	9,415.3	< 1	0.0	0
Total	17,011.6	< 1	51,797.7	< 1	204,273.4	3	14,266.6	< 1
1	State Coastal Reserve		ST Nat.Area/Preserve		Other State Lands		Private Cons. Easemt.	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	4,547.3	< 1	0.0	0	0.0	0
Status 2	0.0	0	22,063.7	< 1	0.0	0	0.0	0
Status 3	0.0	0	180.4	< 1	334.4	< 1	0.5	< 1
Status 4	0.0	0	0.0	0	210.8	< 1	0.0	0
Total	0.0	0	26,791.3	< 1	545.2	< 1	0.5	< 1
1	Private Land - N	No Res.		Water			Overa	ıll Total
	ha	%	ha	%			ha	%
Status 1	0.0	0	0.0	0			210,562.7	3
Status 2	0.0	0	0.0	0			489,806.0	6
Status 3	0.0	0	0.0	0			1,448,062.7	34
Status 4	4,550,257.7	57	877.9	< 1			4,570,176.9	57
Total	4,550,257.7	57	877.9	< 1			6,718,608.4	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.

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PREDICTED HABITAT MODEL(S):

Summer Model:

Habitat Description: Throughout the southeastern portion of it's breeding range the blue-headed vireo exhibits a broader habitat tolerance occupying areas from pure hardwoods forests of beech, maple, oak, and hickory, through mixed mesophytic forests, pure white pine or hemlock stands, to spruce-fir on mountaintops (AOU 1998). They prefer mixed coniferous-hardwood forests and deciduous forests at higher elevations whereas, in the Piedmont and mountian foothills they favor loblolly pine but will also inhabit mature pine forests of many types (Hamel 1992). Breeds pirmarily above 3500 feet (Hamel 1992) in middle to mature spruce-fir (Alsop 1991), white pine, or coniferous mixed forests (Hamel 1992), below 2000 feet in the mountain region, the species is associated with hemlock stands (Alsop 1991). Nest built in twig fork of shrub or conifer, 1-6 m (often less than 3 m) above ground. Clutch size is 3-5 (usually 4) and incubation, by both sexes, lasts a little less than two weeks (NatureServe 2004). Amy Silvano 11apr05

> Ecosystem Classifiers: Evergreen (Pine/Oak Systems only), Mixed, Hardwood forest, Mesic Cove & Montane Forest. Amy Silvano 11apr05

****I think we should include pine plantations also. This species will be found in loblolly stands. Don't have much literature to back up except AOU 1998, identifying that it will be found in pure pine stands. Amy Silvano 11apr05. ???Any opposition???

Elevation Mask: > 300m and < 2500m

Functional Group	Map Unit Name Deciduous Plantations				
Anthropogenic					
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	Allegheny-Cumberland Dry Oak Forest and Woodland - Pine 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 and Southern Appalachian Spruce-Fir Forest				
Forest/Woodland	Central Appalachian Oak and Pine Forest				
Forest/Woodland	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest - Offsite Pine Modifier				
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	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 Low Mountain Pine Forest				
Forest/Woodland	Southern Appalachian Montane Pine Forest and Woodland				
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				

CITATIONS: Alsop FJ III. 1991. Birds of the Smokies. Gatlinburg: Great Smoky Mountains Natural History Association.

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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.

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