



# SOUTHEAST GAP ANALYSIS PROJECT



## Species Modeling Report

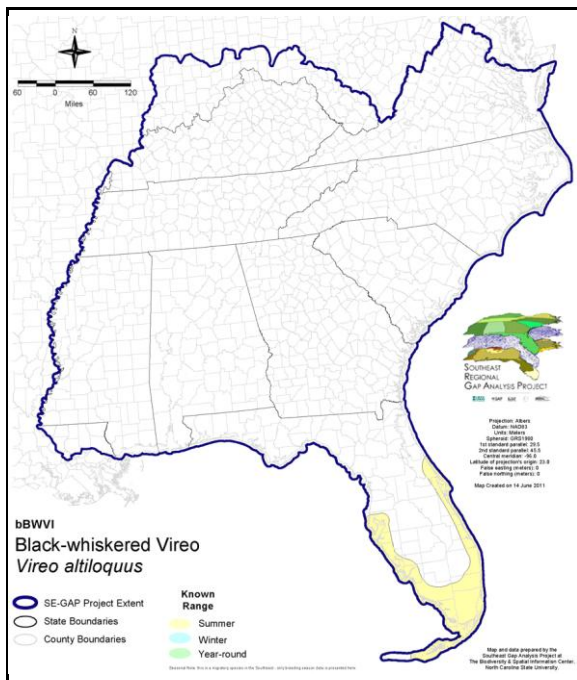
### Black-whiskered Vireo

*Vireo altiloquus*

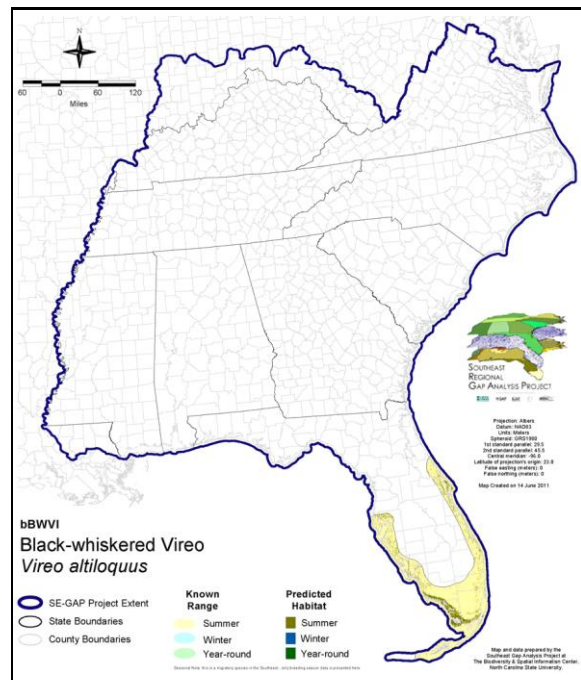
Taxa: Avian  
 Order: Passeriformes  
 Family: Vireonidae

SE-GAP Spp Code: **bBWVI**  
 ITIS Species Code: 179016  
 NatureServe Element Code: ABPBW01250

#### KNOWN RANGE:



#### PREDICTED HABITAT:



Range Map Link: [http://www.basic.ncsu.edu/segap/datazip/maps/SE\\_Range\\_bBWVI.pdf](http://www.basic.ncsu.edu/segap/datazip/maps/SE_Range_bBWVI.pdf)

Predicted Habitat Map Link: [http://www.basic.ncsu.edu/segap/datazip/maps/SE\\_Dist\\_bBWVI.pdf](http://www.basic.ncsu.edu/segap/datazip/maps/SE_Dist_bBWVI.pdf)

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

Data Download: [http://www.basic.ncsu.edu/segap/datazip/region/vert/bBWVI\\_se00.zip](http://www.basic.ncsu.edu/segap/datazip/region/vert/bBWVI_se00.zip)

#### PROTECTION STATUS:

Reported on March 14, 2011

Federal Status: ---

State Status: ---

NS Global Rank: G5

NS State Rank: AL (SNA), FL (S3), LA (SNA), MS (SNA), NC (SNA), TX (SNA)

**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	12,619.6	3	0.0	0	0.0	0	0.0	0
Status 2	0.0	0	0.0	0	0.0	0	0.0	0
Status 3	0.0	0	0.0	0	0.0	0	5,391.1	1
Status 4	0.0	0	0.0	0	0.0	0	0.0	0
Total	12,619.6	3	0.0	0	0.0	0	5,391.1	1
	US Dept. of Energy		US Nat. Park Service		NOAA		Other Federal Lands	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	168,966.2	34	0.0	0	9,691.7	2
Status 2	0.0	0	2,477.1	< 1	11,068.3	2	15.5	< 1
Status 3	0.0	0	7,151.8	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	178,595.0	36	11,068.3	2	9,707.1	2
	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	2,480.2	< 1	0.0	0
Status 3	0.0	0	39,505.8	8	0.0	0	990.0	< 1
Status 4	0.0	0	0.0	0	0.0	0	0.0	0
Total	0.0	0	39,505.8	8	2,480.2	< 1	990.0	< 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	0.0	0	0.0	0	0.0	0
Status 3	0.0	0	124.3	< 1	0.0	0	217.0	< 1
Status 4	0.0	0	0.0	0	0.0	0	0.0	0
Total	0.0	0	124.3	< 1	0.0	0	217.0	< 1
	Private Land - No Res.		Water		Overall Total			
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	0.0	0	191,277.5 38			
Status 2	0.0	0	0.0	0	16,041.1 3			
Status 3	0.0	0	0.0	0	53,379.9 11			
Status 4	219,745.8	44	20,129.0	4	239,874.8 48			
Total	219,745.8	44	20,129.0	4	500,573.2 100			

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-whiskered vireos are found primarily along the peninsular coast of Florida. It is generally a mangrove specialist but can also be found in subtropical hardwood hammocks, and suburban forest edges (Chace et al. 2002). Amy Silvano 6jun05

Ecosystem Classifiers: SCP Hammacks, & Mangrove Forests as PMUs. Low & Medium Urban as AMU's within ecotone. Amy silvano 6jun05

### Selected Map Units:

Functional Group	Map Unit Name
Brackish Tidal Marsh & Wetland	South Florida Mangrove Swamp
Brackish Tidal Marsh & Wetland	Southwest Florida Perched Barriers Salt Swamp and Lagoon - Mangrove Modifier
Forest/Woodland	Southeast Florida Coastal Strand and Maritime Hammock
Forest/Woodland	Southern Coastal Plain Oak Dome and Hammock
Forest/Woodland	Southwest Florida Coastal Strand and Maritime Hammock
Wetlands	South Florida Hardwood Hammock
Wetlands	Southern Coastal Plain Hydric Hammock

### Selected Secondary Map Units within 120m of Primary Map Units:

Functional Group	Map Unit Name
Anthropogenic	Low Intensity Developed
Anthropogenic	Medium Intensity Developed

### 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.
- Banks, R. C., and M. R. Browning. 1995. Comments on the status of revived old names for some North American birds. *Auk* 112:633-648.
- Barlow, J. C. 1980. Patterns of ecological interactions among migrant and resident vireos on the wintering grounds. Pages 79-107 in B80KEA02NA.
- Bent, A.C. 1950. Life histories of North American wagtails, shrikes, vireos, and their allies. U.S. Natl. Mus. Bull. 197. Washington, D.C.
- Chace, J.F., B.L. Woodworth, and A. Cruz. 2002. Black-whiskered vireo. (*Vireo altiloquus*). In *The Birds of North America*, No. 607 (A. Poole and F. Gill, eds.). The Birds of North America, Inc., Philadelphia, PA.
- Collazo, J. A., and G. I. Bonilla Martinez. 1988. Comparacion de la riqueza de aves entre plantaciones de pino hondureno (PINUS CARIBEA) y areas de bosque nativo en el Bosque Estatal de Carite, Cayey, Puerto Rico. *Caribbean J. Sci.* 24:1-10.
- Cruz, A. 1874. Feeding assemblages of Jamaican birds. *Condor* 76:103-107.
- Cruz, A. 1980. Feeding ecology of the black-whiskered vireo and associated gleaning birds in Jamaica. *Wilson Bull.* 92:40-52.
- Cruz, A., and C. A. Delannoy. 1984. Ecology of the elfin woods warbler (*DENDROICA ANGELAE*). I. Distribution, habitatusage, and population densities. *Caribbean J. Sci.* 20:89-96.
- Cruz, A., J. W. Wiley, T. K. Nakamura, and W. Post. 1989. The shiny cowbird in the West Indian region--biogeographical and ecological implications. Pages 519-540 in C. A. Woods, ed. *Biogeography of the West Indies*, Sandhill Crane Press, Gainesville, Flori
- Harrison, C. 1978. A field guide to the nests, eggs and nestlings of North American birds. Collins, Cleveland, Ohio.
- Hilty, S.L., and W.L. Brown. 1986. A guide to the birds of Colombia. Princeton University Press, Princeton, New Jersey. 836 pp.
- Johnson, N. K., R. M. Zink, and J. A. Marten. 1988. Genetic evidence for relationships in the avian family Vireonidae. *Condor* 90:428-445.
- Keast, A., and E. S. Morton. 1980. Migrant birds in the Neotropics; ecology, distribution, and conservation. Smithsonian Inst. Press, Washington, D.C.
- Lack, D. 1976. Island biology illustrated by the land birds of Jamaica. *Studies in Ecology*, Vol. 3. Univ. California Press, Berkeley. 445 pp.
- Murray, B. W., et al. 1994. The use of cytochrome B sequence variation in estimation of phylogeny in the Vireonidae. *Condor* 96:1037-1054.
- Raffaele, H.A. 1983. A guide to the birds of Puerto Rico and the Virgin Islands. Fondo Educativo Interamericano, San Juan, Puerto Rico. 255 pp.

Raffaele, H.A. 1989. A guide to the birds of Puerto Rico and the Virgin Islands. Revised edition. Princeton Univ. Press. 220 pp.

Recher, H. F., and J. T. Recher. 1966. A contribution to the knowledge of the avifauna of the Sierra de Luquillo, Puerto Rico. *Caribbean J. Sci.* 6(3-4):151-161.

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

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

Wetmore, A. 1916. Birds of Porto Rico. U.S. Dept. Agric. Bull. 326.

---

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](http://www.basic.ncsu.edu/segap)

Compiled: 15 September 2011

This data was compiled and/or developed  
by the Southeast GAP Analysis Project at  
The Biodiversity and Spatial Information  
Center, North Carolina State University.