



# SOUTHEAST GAP ANALYSIS PROJECT



## Species Modeling Report

### Scarlet Snake

*Cemophora coccinea*

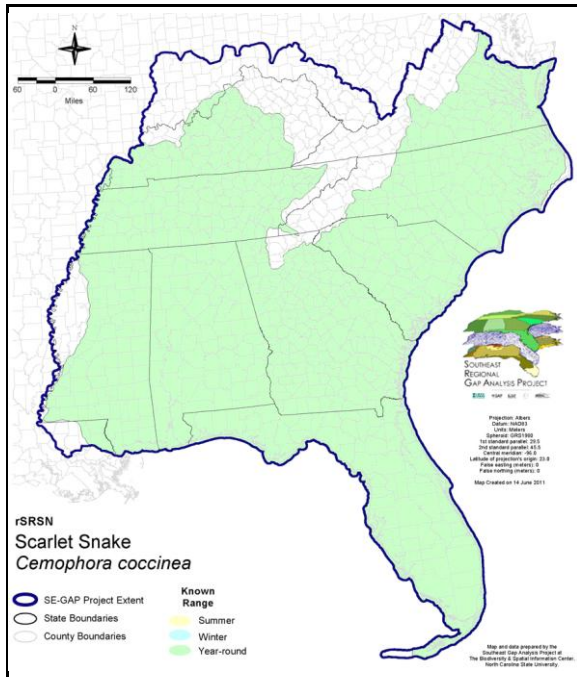
Taxa: Reptilian  
 Order: Squamata  
 Family: Colubridae

SE-GAP Spp Code: **rRSRN**

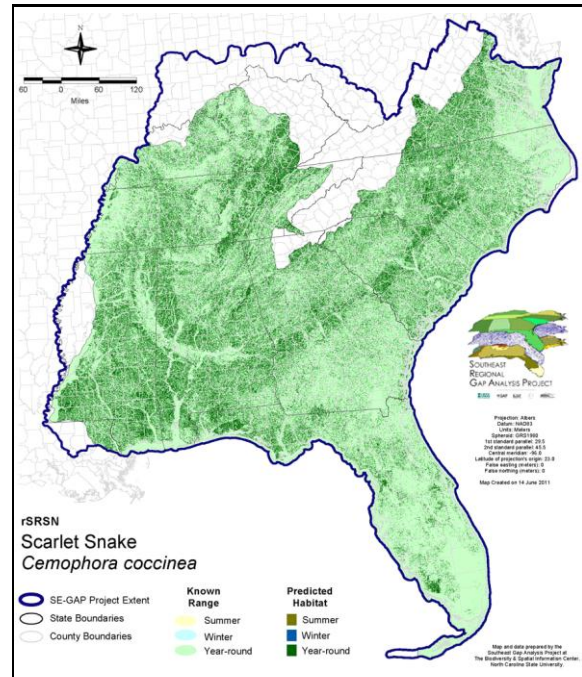
ITIS Species Code: 174195

NatureServe Element Code: ARADB03010

#### KNOWN RANGE:



#### PREDICTED HABITAT:



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

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

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

Data Download: [http://www.basic.ncsu.edu/segap/datazip/region/vert/rRSRN\\_se00.zip](http://www.basic.ncsu.edu/segap/datazip/region/vert/rRSRN_se00.zip)

#### PROTECTION STATUS:

Reported on March 14, 2011

Federal Status: ---

State Status: KY (N), MS (Non-game species in need of management), NC (W1,W5), TX (T)

NS Global Rank: G5

NS State Rank: AL (S5), AR (S3), DC (SH), DE (SH), FL (SNR), GA (S4S5), IN (SNR), KY (S3S4), LA (S3S4), MD (S3), MO (S2), MS (S4), NC (S3), NJ (SNR), OK (S2S3), SC (SNR), TN (S5), TX (S3S4), VA (S4)

**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	34,742.4	< 1	2,783.1	< 1	0.0	0	0.0	0
Status 2	45,639.5	< 1	78,135.9	< 1	0.0	0	2,772.2	< 1
Status 3	1,353.7	< 1	931,883.9	3	27,959.9	< 1	402,381.7	1
Status 4	6.8	< 1	0.0	0	0.0	0	9.4	< 1
Total	81,742.3	< 1	1,012,802.9	4	27,959.9	< 1	405,163.3	1
	US Dept. of Energy		US Nat. Park Service		NOAA		Other Federal Lands	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	16,396.9	< 1	68.9	< 1	6,759.6	< 1
Status 2	0.0	0	9,991.4	< 1	5,039.7	< 1	46.9	< 1
Status 3	43,817.8	< 1	82,602.0	< 1	0.0	0	2,439.5	< 1
Status 4	0.0	0	1.0	5	0.0	0	0.0	0
Total	43,817.8	< 1	108,991.9	< 1	5,108.7	< 1	9,246.1	< 1
	Native Am. Reserv.		State Park/Hist. Park		State WMA/Gameland		State Forest	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	1,047.0	< 1	23.9	< 1	0.0	0
Status 2	0.0	0	3,342.8	< 1	270,288.3	< 1	1,212.8	< 1
Status 3	4,751.6	< 1	210,101.9	< 1	79,411.3	< 1	198,076.1	< 1
Status 4	0.0	0	0.0	0	55,060.9	< 1	35.9	< 1
Total	4,751.6	< 1	214,491.6	< 1	404,784.5	1	199,324.9	< 1
	State Coastal Reserve		ST Nat.Area/Preserve		Other State Lands		Private Cons. Easemt.	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	7,604.8	< 1	0.0	0	0.0	0
Status 2	2,772.9	< 1	36,070.7	< 1	0.7	< 1	1,730.3	< 1
Status 3	0.0	0	9,923.4	< 1	7,969.7	< 1	32,843.1	< 1
Status 4	0.0	0	1.4	< 1	1,264.6	< 1	0.0	0
Total	2,772.9	< 1	53,600.3	< 1	9,235.0	< 1	34,573.3	< 1
	Private Land - No Res.		Water		Overall Total			
	ha	%	ha	%	ha	%		
Status 1	0.0	0	0.0	0	69,426.7	< 1		
Status 2	0.0	0	0.0	6	457,044.2	2		
Status 3	70.5	< 1	1.0	< 1	2,035,587.1	11		
Status 4	23,831,633.7	87	4,741.5	< 1	23,947,809.8	87		
Total	23,831,704.2	87	4,742.6	< 1	26,509,867.8	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):

### Year-round Model:

Habitat Description: Scalet snakes are fossorial and are commonly found in upland sandy pine habitats (Mitchell 1994, Ashton 1988). They prefer relatively xeric, well-drained sandy soils, dominated by longleaf, loblolly, shortleaf, virginia, pitch pine, and scrub oaks (Palmer & Braswell 1995, Wilson 1995). This species is also know to occupy pine flatwoods (Wilson 1995) and pine-oak-hickory forests (Dundee & Rossman 1989). Amy Silvano 18aug05

Ecosystem classifiers: Evergreen, Mixed, Hardwood, & maritime Forest, Flatwoods. Amy silvano 8aug05

### 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 Serpentine Woodland
Forest/Woodland	Atlantic Coastal Plain Central Maritime Forest
Forest/Woodland	Atlantic Coastal Plain Dry and Dry-Mesic Oak Forest
Forest/Woodland	Atlantic Coastal Plain Fall-Line Sandhills Longleaf Pine Woodland - Loblolly Modifier
Forest/Woodland	Atlantic Coastal Plain Fall-line Sandhills Longleaf Pine Woodland - Offsite Hardwood Modifier
Forest/Woodland	Atlantic Coastal Plain Fall-line Sandhills Longleaf Pine Woodland - Open Understory Modifier
Forest/Woodland	Atlantic Coastal Plain Fall-line Sandhills Longleaf Pine Woodland - Scrub/Shrub Understory Modifier
Forest/Woodland	Atlantic Coastal Plain Northern Maritime Forest
Forest/Woodland	Atlantic Coastal Plain Northern Mixed Oak-Heath Forest
Forest/Woodland	Atlantic Coastal Plain Southern Maritime Forest
Forest/Woodland	Atlantic Coastal Plain Upland Longleaf Pine Woodland
Forest/Woodland	Central Appalachian Oak and Pine Forest
Forest/Woodland	Central Appalachian Pine-Oak Rocky Woodland
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 Shortleaf Pine-Oak Forest - Pine Modifier
Forest/Woodland	East Gulf Coastal Plain Interior Upland Longleaf Pine Woodland - Loblolly Modifier
Forest/Woodland	East Gulf Coastal Plain Interior Upland Longleaf Pine Woodland - Offsite Hardwood Modifier
Forest/Woodland	East Gulf Coastal Plain Interior Upland Longleaf Pine Woodland - Open Understory Modifier
Forest/Woodland	East Gulf Coastal Plain Interior Upland Longleaf Pine Woodland - Scrub/Shrub Modifier
Forest/Woodland	East Gulf Coastal Plain Limestone Forest
Forest/Woodland	East Gulf Coastal Plain Maritime Forest
Forest/Woodland	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest
Forest/Woodland	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland - Hardwood Modifier
Forest/Woodland	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland - Juniper Modifier
Forest/Woodland	Florida Longleaf Pine Sandhill - Open Understory Modifier
Forest/Woodland	Florida Longleaf Pine Sandhill - Scrub/Shrub Understory Modifier
Forest/Woodland	Mississippi Delta Maritime Forest
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	Northern Atlantic Coastal Plain Dry Hardwood Forest
Forest/Woodland	Southeast Florida Coastal Strand and Maritime Hammock
Forest/Woodland	Southeastern Interior Longleaf Pine Woodland
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 Coastal Plain Oak Dome and Hammock
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 - 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
Forest/Woodland	Southern Ridge and Valley Dry Calcareous Forest
Forest/Woodland	Southern Ridge and Valley Dry Calcareous Forest - Hardwood Modifier
Forest/Woodland	Southwest Florida Coastal Strand and Maritime Hammock
Wetlands	Atlantic Coastal Plain Northern Wet Longleaf Pine Savanna and Flatwoods
Wetlands	Atlantic Coastal Plain Southern Wet Pine Savanna and Flatwoods
Wetlands	Central Florida Pine Flatwoods
Wetlands	East Gulf Coastal Plain Jackson Plain Dry Flatwoods - Open Understory Modifier
Wetlands	East Gulf Coastal Plain Jackson Plain Dry Flatwoods - Scrub/Shrub Understory Modifier
Wetlands	East Gulf Coastal Plain Near-Coast Pine Flatwoods - Offsite Hardwood Modifier
Wetlands	East Gulf Coastal Plain Near-Coast Pine Flatwoods - Open Understory Modifier
Wetlands	East Gulf Coastal Plain Near-Coast Pine Flatwoods - Scrub/Shrub Understory Modifier
Wetlands	East Gulf Coastal Plain Southern Loblolly-Hardwood Flatwoods
Wetlands	East Gulf Coastal Plain Treeless Savanna and Wet Prairie
Wetlands	South Florida Dwarf Cypress Savanna
Wetlands	South Florida Pine Flatwoods
Wetlands	South-Central Interior/Upper Coastal Plain Wet Flatwoods

**CITATIONS:** Ashton, R. E., Jr., and P. S. Ashton. 1981. Handbook of Reptiles and Amphibians of Florida. Part One: The Snakes. Windward Pub. Co., Miami, Florida. 176 pp.

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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.