

SOUTHEAST GAP ANALYSIS PROJECT



Species Modeling Report

Eastern Coral Snake

Micrurus fulvius

Taxa: Reptilian

Order: Squamata

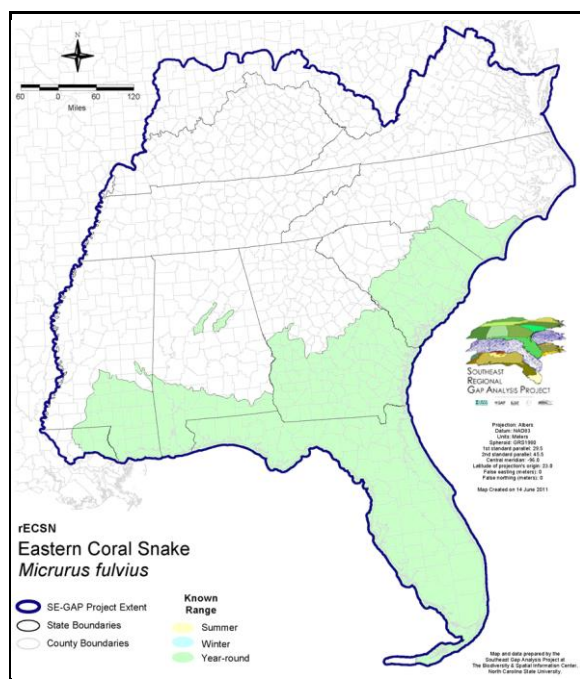
Family: Elapidae

SE-GAP Spp Code: **rECSN**

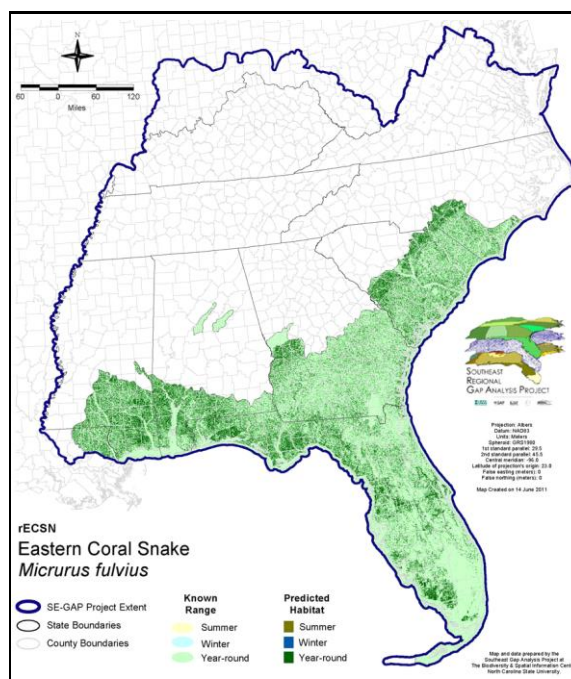
ITIS Species Code: 174354

NatureServe Element Code: ARADC02010

KNOWN RANGE:



PREDICTED HABITAT:



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

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

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

Data Download: http://www.basic.ncsu.edu/segap/datazip/region/vert/rECSN_se00.zip

PROTECTION STATUS:

Reported on March 14, 2011

Federal Status: ---

State Status: MS (Non-game species in need of management), NC (E)

NS Global Rank: G5

NS State Rank: AL (S3), FL (SNR), GA (S3), LA (S2), MS (S3S4), NC (S1), SC (S2)

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	24,166.3	< 1	634.0	< 1	0.0	0	0.0	0
Status 2	32,174.4	< 1	24,914.4	< 1	0.0	0	20.6	< 1
Status 3	2.8	< 1	400,255.3	4	0.0	0	296,951.0	3
Status 4	4.9	< 1	< 0.1	< 1	0.0	0	0.0	0
Total	56,348.3	< 1	425,803.8	4	0.0	0	296,971.6	3
	US Dept. of Energy		US Nat. Park Service		NOAA		Other Federal Lands	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	25,321.2	< 1	63.0	< 1	11,423.3	< 1
Status 2	0.0	0	8,789.6	< 1	5,624.7	< 1	50.0	< 1
Status 3	35,858.4	< 1	121,493.8	1	0.0	0	2,282.0	< 1
Status 4	0.0	0	1.0	< 1	0.0	0	0.0	0
Total	35,858.4	< 1	155,606.1	2	5,687.7	< 1	13,755.3	< 1
	Native Am. Reserv.		State Park/Hist. Park		State WMA/Gameland		State Forest	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	52.3	< 1	0.0	0	0.0	0
Status 2	0.0	0	160.9	< 1	131,089.1	1	0.0	0
Status 3	93.2	< 1	242,517.1	2	28,969.8	< 1	217,159.4	2
Status 4	0.0	0	< 0.1	< 1	17,818.1	< 1	35.9	< 1
Total	93.2	< 1	242,730.4	2	177,877.0	2	217,195.3	2
	State Coastal Reserve		ST Nat.Area/Preserve		Other State Lands		Private Cons. Easemt.	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	1,867.3	< 1	0.0	0	0.0	0
Status 2	2,773.4	< 1	10,562.3	< 1	0.0	0	1,414.1	< 1
Status 3	0.0	0	12,838.9	< 1	7,454.5	< 1	51,698.0	< 1
Status 4	0.0	0	0.0	0	326.9	< 1	0.0	0
Total	2,773.4	< 1	25,268.5	< 1	7,781.4	< 1	53,112.1	< 1
	Private Land - No Res.		Water		Overall Total			
	ha	%	ha	%	ha %			
Status 1	0.0	0	0.0	0	63,527.4 < 1			
Status 2	0.0	0	0.0	< 1	217,573.7 2			
Status 3	82.8	< 1	1.0	< 1	1,417,657.9 18			
Status 4	8,055,145.7	79	7,389.1	< 1	8,098,535.5 79			
Total	8,055,228.5	79	7,390.3	< 1	9,797,294.4 100			

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.

PREDICTED HABITAT MODEL(S):

Year-round Model:

Habitat Description: Eastern coral snakes inhabit both mesic and xeric woodlands with well-drained sandy soils. They seem to favor flatwoods of longleaf or slash pine, pine-oak scrub, and maritime forest of live oak (Palmer & Braswell 1995, Wilson 1995). This species will also occupy wet and dry hardwood hammocks and glade woodlands (Ernst and Barbour 1989, Carr and Goin 1955). 29Aug95 Amy Silvano

From FL-GAP: Most habitats, most common in wet areas and woodland edges (Ashton 1988). # High pine, upland and mesophytic hammocks (Carr 1940). # Dry, open, or brushy areas; xerophytic rosemary scrub, seasonally flooded pine flatwoods, xerophytic and mesophytic hardwood hammocks, sometimes in marshy areas. Sympatric with gopher tortoises, use burrows (Ernst and Barbour 1989). # Forested areas including pine, hardwood pine, and sand ridges (Dundee and Rossman 1989). # Hammocks, glades, woodlands, and common around wooded lake margins (Carr and Goin 1955). # Most common in dry areas. Longleaf pine/turkey oak, scrub, live oak hammock, slash pine/wire grass flatwoods, mesic hammock, and tropical hammock (Neill 1957). # Rosemary scrub, pine flatwoods, xeric and mesic hardwood hammocks; less often found in marshy areas (Jackson and Franz 1981). # Key Largo. Mesophytic hammocks; also ruderal and vacant lots (Duellman and Schwartz 1958). # Common in coastal scrub (Fernald 1989). # In the Ordway, found in high pine sandhills, xeric oak hammocks, and mesic hardwood hammocks (Franz 1995).

Ecosystem Classifiers: Xeric Flat, Evergree, Hardwood, & Maritime Forest, Disturbed (bare sand), Flatwoods, Domes/Hammocks. 29Aug05 Amy Silvano

Selected Map Units:

Functional Group	Map Unit Name
Anthropogenic	Bare Sand
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 Southern Maritime Forest
Forest/Woodland	Atlantic Coastal Plain Upland Longleaf Pine Woodland
Forest/Woodland	Cumberland Sandstone Glade and Barrens
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 Maritime Forest
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	Northern Atlantic Coastal Plain Dry Hardwood Forest
Forest/Woodland	Ridge and Valley Calcareous Valley Bottom Glade and Woodland
Forest/Woodland	Southeast Florida Coastal Strand and Maritime Hammock
Forest/Woodland	Southeastern Interior Longleaf Pine Woodland
Forest/Woodland	Southern Coastal Plain Dry Upland Hardwood Forest
Forest/Woodland	Southern Coastal Plain Oak Dome and Hammock
Forest/Woodland	Southern Piedmont Glade and Barrens
Forest/Woodland	Southern Piedmont Mafic Hardpan Woodland
Forest/Woodland	Southern Piedmont Northern Triassic Basin Dry Forest

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 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 Cypress Dome
Wetlands	South Florida Dwarf Cypress Savanna
Wetlands	South Florida Hardwood Hammock
Wetlands	South Florida Pine Flatwoods
Wetlands	South Florida Wet Marl Prairie
Wetlands	South-Central Interior/Upper Coastal Plain Wet Flatwoods
Wetlands	Southern Coastal Plain Hydric Hammock
Wetlands	Southern Coastal Plain Nonriverine Cypress Dome

- 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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This data was compiled and/or developed
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