



SOUTHEAST GAP ANALYSIS PROJECT



Species Modeling Report

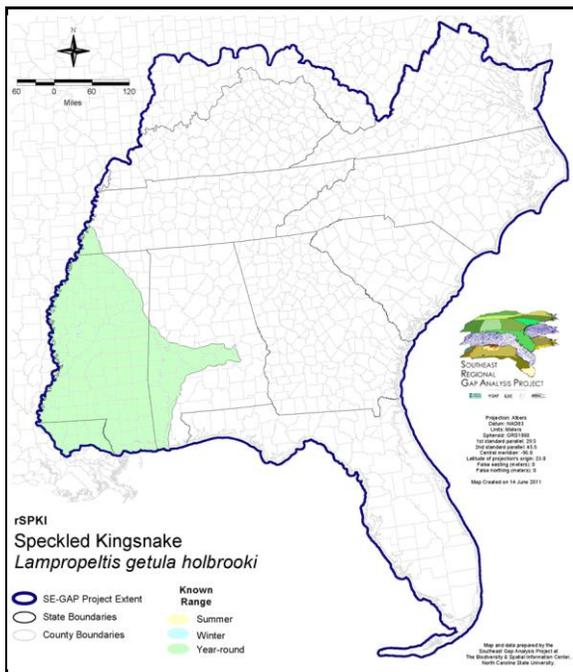
Speckled Kingsnake

Lampropeltis getula holbrooki

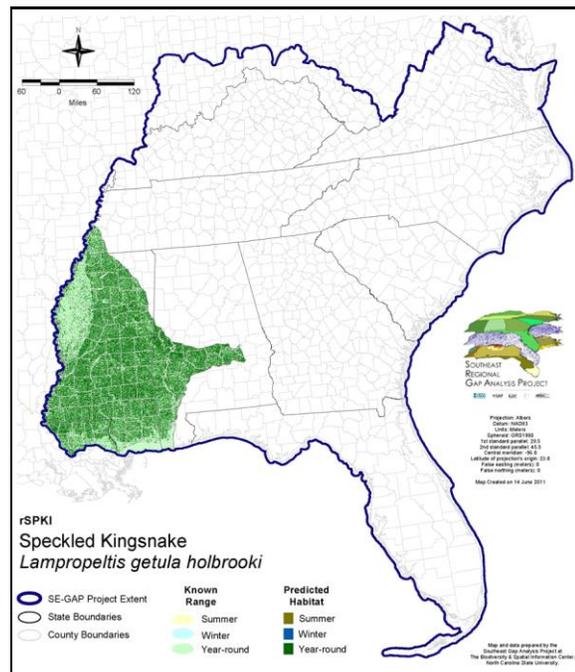
Taxa: Reptilian
 Order:
 Family:

SE-GAP Spp Code: **rSPKI**
 ITIS Species Code: 209250
 NatureServe Element Code: ARADB19024

KNOWN RANGE:



PREDICTED HABITAT:



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

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

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

Data Download: http://www.basic.ncsu.edu/segap/datazip/region/vert/rSPKI_se00.zip

PROTECTION STATUS:

Reported on March 14, 2011

Federal Status: ---
 State Status: ---
 NS Global Rank: ---
 NS State Rank: ---

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	4,087.6	< 1	195.1	< 1	0.0	0	0.0	0
Status 2	29,615.8	< 1	12,618.9	< 1	0.0	0	599.4	< 1
Status 3	0.0	0	236,266.5	3	0.0	0	4,204.0	< 1
Status 4	0.0	0	0.0	0	0.0	0	0.0	0
Total	33,703.4	< 1	249,080.5	3	0.0	0	4,803.4	< 1
	US Dept. of Energy		US Nat. Park Service		NOAA		Other Federal Lands	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	0.0	0	0.0	0	0.0	0
Status 2	0.0	0	578.9	< 1	0.0	0	0.0	0
Status 3	0.0	0	7,021.5	< 1	0.0	0	924.9	< 1
Status 4	0.0	0	0.0	< 1	0.0	0	0.0	0
Total	0.0	0	7,600.5	< 1	0.0	0	924.9	< 1
	Native Am. Reserv.		State Park/Hist. Park		State WMA/Gameland		State Forest	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	50.5	< 1	0.0	0	0.0	0
Status 2	0.0	0	68.0	< 1	37,002.2	< 1	0.0	0
Status 3	5,864.7	< 1	6,045.8	< 1	31,248.0	< 1	0.0	0
Status 4	0.0	0	0.0	0	14,355.6	< 1	0.0	0
Total	5,864.7	< 1	6,164.3	< 1	82,605.8	1	0.0	0
	State Coastal Reserve		ST Nat.Area/Preserve		Other State Lands		Private Cons. Easemt.	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	127.2	< 1	0.0	0	0.0	0
Status 2	2,255.0	< 1	2,185.6	< 1	0.0	0	0.0	0
Status 3	0.0	0	1,667.3	< 1	0.0	0	12,312.3	< 1
Status 4	0.0	0	0.0	0	0.0	0	0.0	0
Total	2,255.0	< 1	3,980.0	< 1	0.0	0	12,312.3	< 1
	Private Land - No Res.		Water		Overall Total			
	ha	%	ha	%	ha	%		
Status 1	0.0	0	0.0	0	4,460.4	< 1		
Status 2	0.0	0	0.0	0	84,923.7	1		
Status 3	0.5	< 1	0.0	0	305,555.4	7		
Status 4	7,545,210.0	92	9,488.1	< 1	7,583,409.5	92		
Total	7,545,210.6	92	9,488.1	< 1	7,978,349.0	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: The speckled kingsnake occupies habitats similar to *L. g. getula*. They occur in all types of habitats and are most abundant along the edges of large river floodplains (Mount 1975, Dundee & Rossman 1989).
Amy Silvano 22aug05

Ecosystem Classifiers: All systems EXCLUDING xeric uplands, Montane, Glades & barrens, Brackish Marshes & wetlands, Tidal wetlands, Bald, rock outcrop and pine plantations. *****The Ecosystem Mus for the MS Delta are not in the database. Amy Silvano 22aug 05

*****Although, this species is not truly edges species (or well supported in the literature), we may be able to better refine this species distribution by using the Forest/Open + Woodland ecotone parameter with no MU's selected. Amy Silvano 22aug05

Since species uses edges of Floodplains, bottomlands, ponds, streams & swamps (Mount 1975, Wilson 1995, Palmer & Braswell 1995). I selected all these types as AMUs and used a 120m from buffer since species is more mobile. Amy Silvano 14feb06

Mask of Forest Interior Avoidance: Exclude forest interiors with 250m buffer into them.

Selected Map Units:

Functional Group	Map Unit Name
Anthropogenic	Low Intensity Developed
Anthropogenic	Pasture/Hay
Anthropogenic	Successional Grassland/Herbaceous
Anthropogenic	Successional Grassland/Herbaceous (Other)
Anthropogenic	Successional Grassland/Herbaceous (Utility Swath)
Coastal Dune & Freshwater Wetland	East Gulf Coastal Plain Dune and Coastal Grassland
Forest/Woodland	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland - Woodland Modifier
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 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 Loess Plain Oak-Hickory Upland - Juniper 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
Prairie	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland
Prairie	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland - Herbaceous Modifier
Prairie	East Gulf Coastal Plain Jackson Plain Prairie and Barrens
Prairie	East Gulf Coastal Plain Jackson Prairie and Woodland
Wetlands	East Gulf Coastal Plain Interior Shrub Bog
Wetlands	East Gulf Coastal Plain Large River Floodplain Forest - Forest Modifier
Wetlands	East Gulf Coastal Plain Large River Floodplain Forest - Herbaceous Modifier
Wetlands	East Gulf Coastal Plain Northern Depression Pondshore
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 Depression Pondshore
Wetlands	East Gulf Coastal Plain Southern Loblolly-Hardwood Flatwoods

Wetlands	East Gulf Coastal Plain Treeless Savanna and Wet Prairie
Wetlands	Lower Mississippi River Bottomland and Floodplain Forest
Wetlands	Lower Mississippi River Bottomland Depressions - Forest Modifier
Wetlands	Lower Mississippi River Bottomland Depressions - Herbaceous Modifier
Wetlands	Mississippi River Low Floodplain (Bottomland) Forest
Wetlands	Mississippi River Riparian Forest

CITATIONS: Dundee, H. A., and D. A. Rossman. 1989. The amphibians and reptiles of Louisiana. Louisiana State Univ. Press, Baton Rouge.

Means, D.B., 2004. Eastern Kingsnake, *Lampropeltis getula getula*. in R.E. Mirarchi, M.A. Bailey, T.M. Haggerty, and T.L. Best, eds. Alabama Wildlife. Volume 3. Imperiled amphibians, reptiles, birds, and mammals. The University of Alabama Press, Tuscaloosa

Mount, R. H. 1975. The Reptiles and Amphibians of Alabama. Auburn University Agricultural Experiment Station, Auburn, Alabama. vii + 347 pp.

Palmer, W. M., and A. L. Braswell. 1995. Reptiles of North Carolina. North Carolina State Museum of Natural Sciences, University of North Carolina Press, Chapel Hill, North Carolina.

Wilson, L. A. 1995. The Land Manager's Guide to the amphibians and reptiles of the South. Chapel Hill, NC: The Nature Conservancy.

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

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.