



SOUTHEAST GAP ANALYSIS PROJECT



Species Modeling Report

Graham's Crayfish Snake

Regina grahamii

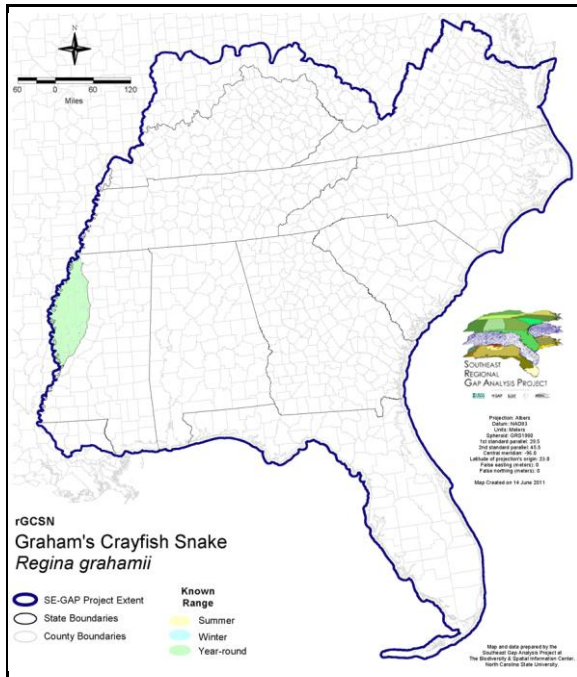
Taxa: Reptilian
Order: Squamata
Family: Colubridae

SE-GAP Spp Code: **rGCSN**

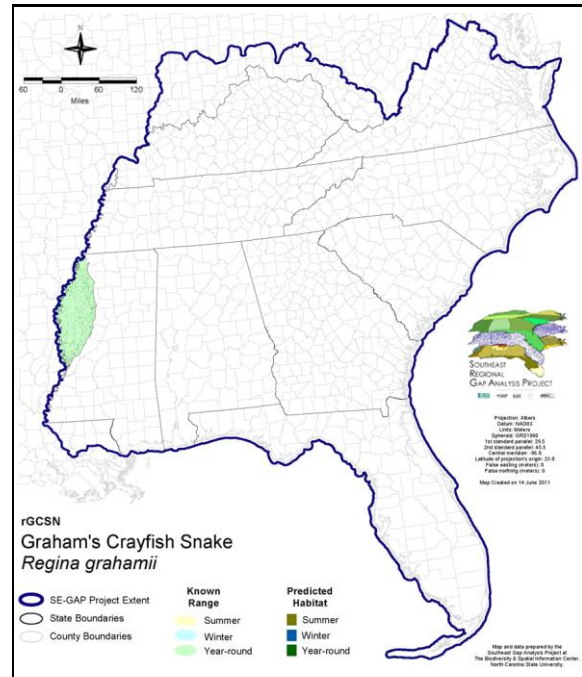
ITIS Species Code: 174127

NatureServe Element Code: ARADB27020

KNOWN RANGE:



PREDICTED HABITAT:



Range Map Link: http://www.basinc.ncsu.edu/segap/datazip/maps/SE_Range_rGCSN.pdf

Predicted Habitat Map Link: http://www.basinc.ncsu.edu/segap/datazip/maps/SE_Dist_rGCSN.pdf

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

Data Download: http://www.basinc.ncsu.edu/segap/datazip/region/vert/rGCSN_se00.zip

PROTECTION STATUS:

Reported on March 14, 2011

Federal Status: ---

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

NS Global Rank: G5

NS State Rank: AR (S2), IA (S4), IL (S5), IN (SNA), KS (S4), LA (S4), MO (S4), MS (S5), NE (S2), OK (S3), TX (S5)

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	226.0	< 1	0.0	0	0.0	0	0.0	0
Status 2	4,813.9	5	37.6	< 1	0.0	0	0.0	0
Status 3	0.0	0	2,224.4	2	0.0	0	0.0	0
Status 4	0.0	0	0.0	0	0.0	0	0.0	0
Total	5,039.9	5	2,262.0	2	0.0	0	0.0	0
	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	0.0	0	0.0	0	0.0	0
Status 3	0.0	0	0.0	0	0.0	0	0.0	0
Status 4	0.0	0	0.0	0	0.0	0	0.0	0
Total	0.0	0	0.0	0	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	0.0	0	0.0	0	0.0	0
Status 2	0.0	0	0.0	0	1,073.5	1	0.0	0
Status 3	0.0	0	152.9	< 1	1,511.4	2	0.0	0
Status 4	0.0	0	0.0	0	174.8	< 1	0.0	0
Total	0.0	0	152.9	< 1	2,759.7	3	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	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	1,804.8	2
Status 4	0.0	0	0.0	0	0.0	0	0.0	0
Total	0.0	0	0.0	0	0.0	0	1,804.8	2
	Private Land - No Res.		Water		Overall Total			
	ha	%	ha	%	ha	%		
Status 1	0.0	0	0.0	0	226.0	< 1		
Status 2	0.0	0	0.0	0	5,925.1	6		
Status 3	0.0	0	0.0	0	5,693.4	8		
Status 4	79,270.3	83	1,997.5	2	81,617.3	85		
Total	79,270.3	83	1,997.5	2	93,461.8	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: Graham's crayfish snake can be found in or near sluggish streams, river-bottom sloughs, bayous, pond and lake margins, marshes, and swamps (NatureServe 2005, Wilson 1995). They are most often found at the water's edge in dense emergent vegetation where there is an abundant food source of crustaceans, and/or under shore debris or in crayfish burrows which provide shelter (Conant & Collins 1998, Wilson 1995, NatureServe 2005). Amy Silvano 23Aug05

Ecosystem Classifiers: Floodplain/Riparian. *****Systems for Mapping Zone 45 are not in database. Amy Silvano 23Aug05

Hydrography Mask:

Freshwater Only

Slow Current Only

Utilizes flowing water features with buffers of 60m from and 60m into selected water features.

Utilizes open water features with buffers of 60m from and 60m into selected water features.

Selected Map Units:

Functional Group	Map Unit Name
Water	Open Water (Fresh)
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: Conant, R. and J.T. Collins. 1998. A field guide to the reptiles and amphibians: eastern and central North America. Houghton Mifflin, Boston. 616 p.

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

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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.