











Species Modeling Report

Rainbow Snake

Farancia erytrogramma

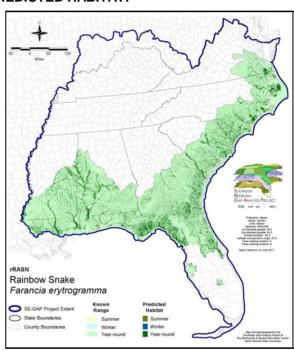
Taxa: Reptilian Order: Squamata Family: Colubridae SE-GAP Spp Code: rRASN ITIS Species Code: 174166

NatureServe Element Code: ARADB14020

KNOWN RANGE:

Rainbow Snake Farancia erytrogramma

PREDICTED HABITAT:



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

http://www.basic.ncsu.edu/segap/datazip/region/vert/rRASN_se00.zip Data Download:

PROTECTION STATUS:

GAP Online Tool Link:

Reported on March 14, 2011

Federal Status: ---

State Status: MD (E), MS (LE), NC (W1,W2)

NS Global Rank: G4

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

http://www.gapserve.ncsu.edu/segap/segap/index2.php?species=rRASN

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SUMMARY OF PREDICTED HABITAT BY MANAGMENT AND GAP PROTECTION STATUS:

1	US FWS		US Forest Service		Tenn. Valley Author.		US DOD/ACOE	
	ha	%	ha	%	ha	%	ha	%
Status 1	173,518.4	2	5,521.3	< 1	0.0	0	0.0	C
Status 2	154,871.2	2	36,549.7	< 1	0.0	0	< 0.1	< 1
Status 3	894.6	< 1	298,471.9	3	0.0	0	107,426.9	1
Status 4	641.9	< 1	< 0.1	< 1	0.0	0	6.8	< 1
Total	329,926.1	4	340,543.0	4	0.0	0	107,433.7	1
	US Dept. of Energy		US Nat. Park Service		NOAA		Other Federal Lands	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	8,508.3	< 1	148.6	< 1	0.0	C
Status 2	0.0	0	3,109.7	< 1	7,349.0	< 1	40.2	< 1
Status 3	16,088.4	< 1	1,891.0	< 1	0.0	0	1,953.2	< 1
Status 4	0.0	0	0.0	0	0.0	0	0.0	0
Total	16,088.4	< 1	13,509.0	< 1	7,497.6	< 1	1,993.4	< 1
1	Native Am. Reserv.		State Park/Hist. Park		State WMA/Gameland		State Fores	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	161.6	< 1	0.0	0	0.0	(
Status 2	0.0	0	639.1	< 1	254,352.3	3	12.6	< 1
Status 3	1,750.7	< 1	200,571.6	2	73,421.3	< 1	96,960.6	1
Status 4	0.0	0	< 0.1	< 1	6,234.8	< 1	5.4	< 1
Total	1,750.7	< 1	201,372.4	2	334,008.5	4	96,978.6	1
I	State Coastal Reserve		ST Nat.Area/Preserve		Other State Lands		Private Cons. Easemt.	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	2,156.0	< 1	0.0	0	0.0	(
Status 2	13,252.8	< 1	31,404.0	< 1	0.0	0	540.7	< 1
Status 3	0.0	0	14,539.8	< 1	5,218.7	< 1	45,693.1	< 1
Status 4	0.0	0	0.0	0	803.4	< 1	0.0	(
Total	13,252.8	< 1	48,099.8	< 1	6,022.1	< 1	46,233.8	< 1
1	Private Land - I	No Res.		Water			Overa	ıll Tota
	ha	%	ha	%			ha	%
Status 1	0.0	0	0.0	0			190,014.3	2
Status 2	176.1	< 1	0.0	0			502,297.6	ϵ
Status 3	812.9	< 1	1.0	< 1			865,695.4	13
Status 4	6,830,837.9	78	15,460.9	< 1			6,859,584.3	79
Total	6,831,826.9	78	15,461.9	< 1			8,417,591.6	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.

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PREDICTED HABITAT MODEL(S):

Year-round Model:

Habitat Description:

Rainbow snakes are highly aquatic snake and are commonly found in and around large streams, lakes, and other permenant water bodies (Wilson 1995, Palmer & Braswell 1995). They prefer clear cool streams with sand or gravel bottomsd (Dundee & Rossman 1989) but will also ocuppy cypress swamp areas (Wilson 1995). In Florida, this species can also be found in 'brackish waters in Choctawhatchee Bay, Walton County and Cedar River and Ortega River near the mouth of the St. Johns River, Duval County (FL-GAP 2002). Amy Silvano 18Aug05

Ecosystem classifiers: Aquatic, All wetland MU's (excluding Coastal Dune). Amy Silvano 18Aug05

Hydrography Mask:

Utilizes flowing water features with buffers of 60m from and 120m into selected water features.

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

Utilizes wet vegetation features with buffers of 60m from and unlimited into selected vegetation features.

Functional Group	Map Unit Name Atlantic Coastal Plain Southern Tidal Wooded Swamp				
Brackish Tidal Marsh & Wetland					
Brackish Tidal Marsh & Wetland	East Gulf Coastal Plain Tidal Wooded Swamp				
Brackish Tidal Marsh & Wetland	Florida Big Bend Salt-Brackish Tidal Marsh				
Brackish Tidal Marsh & Wetland	Southwest Florida Perched Barriers Salt Swamp and Lagoon - Mangrove Modifier				
Brackish Tidal Marsh & Wetland	Southwest Florida Perched Barriers Salt Swamp and Lagoon - Marsh Modifier				
Freshwater Tidal Marsh & Wetland	Atlantic Coastal Plain Central Fresh-Oligohaline Tidal Marsh				
Freshwater Tidal Marsh & Wetland	Atlantic Coastal Plain Embayed Region Tidal Freshwater Marsh				
Freshwater Tidal Marsh & Wetland	Atlantic Coastal Plain Northern Fresh and Oligohaline Tidal Marsh				
Freshwater Tidal Marsh & Wetland	Florida Big Bend Fresh-Oligohaline Tidal Marsh				
Water	Open Water (Brackish/Salt)				
Water	Open Water (Fresh)				
Wetlands	Atlantic Coastal Plain Blackwater Stream Floodplain Forest - Forest Modifier				
Wetlands	Atlantic Coastal Plain Blackwater Stream Floodplain Forest - Herbaceous Modifier				
Wetlands	Atlantic Coastal Plain Brownwater Stream Floodplain Forest				
Wetlands	Atlantic Coastal Plain Clay-Based Carolina Bay Forested Wetland				
Wetlands	Atlantic Coastal Plain Clay-Based Carolina Bay Herbaceous Wetland				
Wetlands	Atlantic Coastal Plain Depression Pondshore				
Wetlands	Atlantic Coastal Plain Large Natural Lakeshore				
Wetlands	Atlantic Coastal Plain Nonriverine Swamp and Wet Hardwood Forest - Taxodium/Nyssa Modifier				
Wetlands	Atlantic Coastal Plain Nonriverine Swamp and Wet Hardwood Forest - Oak Dominated Modifier				
Wetlands	Atlantic Coastal Plain Northern Basin Peat Swamp				
Wetlands	Atlantic Coastal Plain Northern Basin Swamp and Wet Hardwood Forest				
Wetlands	Atlantic Coastal Plain Northern Pondshore				
Wetlands	Atlantic Coastal Plain Northern Wet Longleaf Pine Savanna and Flatwoods				
Wetlands	Atlantic Coastal Plain Peatland Pocosin				
Wetlands	Atlantic Coastal Plain Sandhill Seep				
Wetlands	Atlantic Coastal Plain Small Blackwater River Floodplain Forest				
Wetlands	Atlantic Coastal Plain Small Brownwater River Floodplain Forest				
Wetlands	Atlantic Coastal Plain Southern Wet Pine Savanna and Flatwoods				
Wetlands	Atlantic Coastal Plain Streamhead Seepage Swamp, Pocosin, and Baygall				
Wetlands	Atlantic Coastal Plain Xeric River Dune				
Wetlands	Central Appalachian Floodplain - Forest Modifier				
Wetlands	Central Appalachian Floodplain - Herbaceous Modifier				
Wetlands	Central Appalachian Riparian - Forest Modifier				
Wetlands	Central Appalachian Riparian - Herbaceous Modifier				
Wetlands	Central Florida Herbaceous Pondshore				

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Wetlands Central Florida Pine Flatwoods Wetlands **Cumberland Riverscour** Wetlands East Gulf Coastal Plain Interior Shrub Bog 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 Large River Floodplain Forest - Forest Modifier Wetlands East Gulf Coastal Plain Large River Floodplain Forest - Herbaceous 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 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 Floridian Highlands Freshwater Marsh Wetlands Lower Mississippi River Bottomland and Floodplain Forest Wetlands Lower Mississippi River Bottomland Depressions - Forest Modifier Lower Mississippi River Bottomland Depressions - Herbaceous Modifier Wetlands Wetlands Mississippi River Low Floodplain (Bottomland) Forest Wetlands Mississippi River Riparian Forest Wetlands South-Central Interior Large Floodplain - Forest Modifier Wetlands South-Central Interior/Upper Coastal Plain Wet Flatwoods Wetlands Southern and Central Appalachian Bog and Fen Wetlands Southern Appalachian Seepage Wetland Wetlands Southern Coastal Plain Blackwater River Floodplain Forest Wetlands Southern Coastal Plain Herbaceous Seepage Bog Wetlands Southern Coastal Plain Hydric Hammock Wetlands Southern Coastal Plain Nonriverine Basin Swamp Wetlands Southern Coastal Plain Nonriverine Cypress Dome Wetlands Southern Coastal Plain Seepage Swamp and Baygall Wetlands Southern Coastal Plain Spring-run Stream Aquatic Vegetation Wetlands Southern Piedmont Large Floodplain Forest - Forest Modifier Wetlands Southern Piedmont Large Floodplain Forest - Herbaceous Modifier Wetlands Southern Piedmont Seepage Wetland Wetlands Southern Piedmont Small Floodplain and Riparian Forest Southern Piedmont/Ridge and Valley Upland Depression Swamp Wetlands Wetlands Western Highland Rim Seepage Fen

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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.

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