



SOUTHEAST GAP ANALYSIS PROJECT



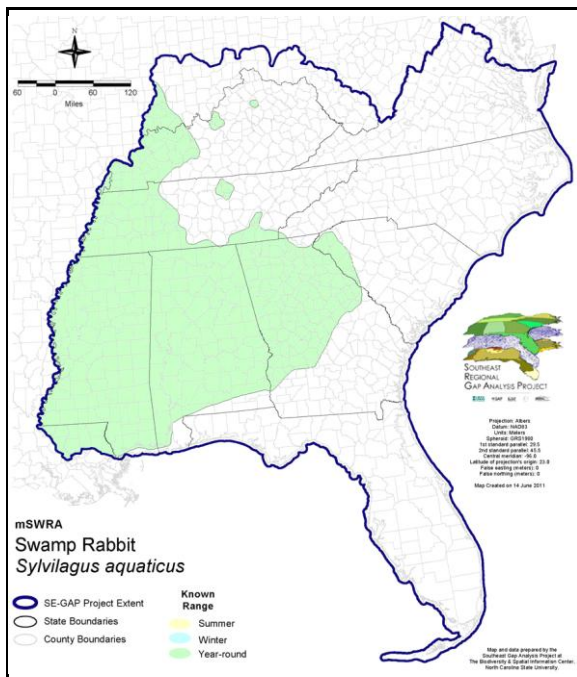
Species Modeling Report

Swamp Rabbit *Sylvilagus aquaticus*

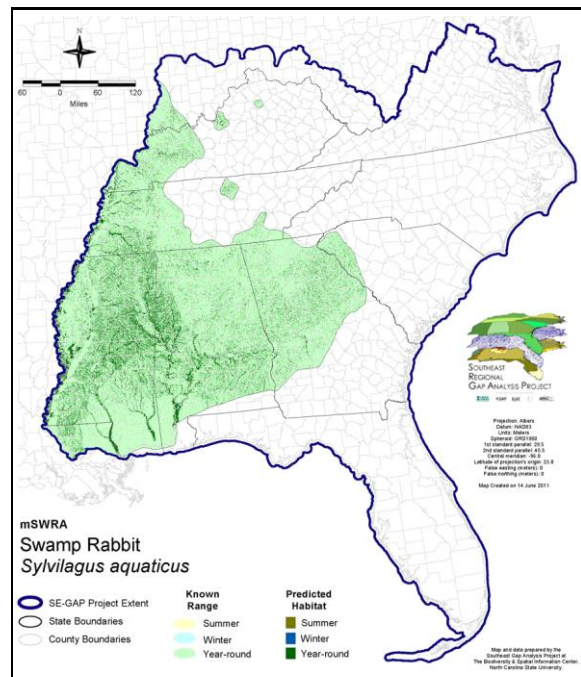
Taxa: Mammalian
Order: Lagomorpha
Family: Leporidae

SE-GAP Spp Code: **mSWRA**
ITIS Species Code: 180121
NatureServe Element Code: AMAEB01080

KNOWN RANGE:



PREDICTED HABITAT:



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

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

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

Data Download: http://www.basic.ncsu.edu/segap/datazip/region/vert/mSWRA_se00.zip

PROTECTION STATUS:

Reported on March 14, 2011

Federal Status: ---

State Status: AL (GA), IN (SE), KY (N)

NS Global Rank: G5

NS State Rank: AL (S5), AR (S4), GA (S5), IL (S3), IN (S1), KS (SH), KY (S3S4), LA (S5), MO (S2), MS (S5), OK (S2), SC (S2S3), TN (S4), 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	11,032.4	< 1	404.5	< 1	0.0	0	0.0	0
Status 2	55,503.0	< 1	8,939.4	< 1	0.0	0	614.9	< 1
Status 3	820.9	< 1	130,040.9	2	13,985.6	< 1	25,769.5	< 1
Status 4	0.0	0	0.0	0	0.0	0	0.0	0
Total	67,356.3	1	139,384.8	2	13,985.6	< 1	26,384.4	< 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	0.0	0	0.0	0	0.0	0
Status 3	0.0	0	6,260.6	< 1	0.0	0	465.8	< 1
Status 4	0.0	0	0.0	0	0.0	0	0.0	0
Total	0.0	0	6,260.6	< 1	0.0	0	465.8	< 1
	Native Am. Reserv.		State Park/Hist. Park		State WMA/Gameland		State Forest	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	182.8	< 1	11.6	< 1	0.0	0
Status 2	0.0	0	549.6	< 1	95,547.3	2	0.0	0
Status 3	3,971.7	< 1	11,571.1	< 1	53,513.3	< 1	447.9	< 1
Status 4	0.0	0	0.0	0	8,251.9	< 1	0.0	0
Total	3,971.7	< 1	12,303.5	< 1	157,324.1	2	447.9	< 1
	State Coastal Reserve		ST Nat.Area/Preserve		Other State Lands		Private Cons. Easemt.	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	1,412.0	< 1	0.0	0	0.0	0
Status 2	416.4	< 1	10,364.4	< 1	0.0	0	332.5	< 1
Status 3	0.0	0	1,207.2	< 1	836.9	< 1	11,172.9	< 1
Status 4	0.0	0	0.0	0	420.9	< 1	0.0	0
Total	416.4	< 1	12,983.6	< 1	1,257.8	< 1	11,505.3	< 1
	Private Land - No Res.		Water		Overall Total			
	ha	%	ha	%	ha	%		
Status 1	0.0	0	0.0	0	13,043.3	< 1		
Status 2	0.0	0	0.0	0	172,267.6	3		
Status 3	8.7	< 1	0.0	0	260,073.0	6		
Status 4	5,762,775.1	91	5,862.3	< 1	5,785,562.2	91		
Total	5,762,783.8	91	5,862.3	< 1	6,230,946.0	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: Swamp rabbits are found in marshy lowlands river bottoms and swamps, and wetlands; though they must have access to higher ground (ridges, knolls, or levees) for habitation during flood-periods (Wilson and Ruff 1999; Whitaker and Halmilton 1994). They prefer mature forests, but these must be riparian. They are most abundant in thickets (especially cane), trees and vines bordering rivers and creeks. They commonly seek water to escape danger. Mean home range in Northern Georgia was 7.6 ha (Cothran 1991). Nests are built in slight depressions in the ground under brush piles or fallen branches, in hollow logs, or in holes along banks. The females regularly build dummy nests. Breeding season is from late January-midsummer (peak February-March) and gestation lasts 35-40 days. The litter size is 1-6 (2-3) and up to 5 litters may be produced per year. Stacy Smith, 14June05

Hydrography Mask:

Freshwater Only

Utilizes open water features with buffer of 250m from selected water features.

Utilizes wet vegetation features with buffers of 250m from and unlimited into selected vegetation features.

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	Atlantic Coastal Plain Dry and Dry-Mesic Oak Forest
Forest/Woodland	Atlantic Coastal Plain Northern Mixed Oak-Heath Forest
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 Upland Longleaf Pine Woodland - Offsite Hardwood 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 Plain Oak-Hickory Upland - Hardwood Modifier
Forest/Woodland	Northeastern Interior Dry Oak Forest - Mixed Modifier
Forest/Woodland	Northeastern Interior Dry Oak Forest-Hardwood Modifier
Forest/Woodland	Northern Atlantic Coastal Plain Dry Hardwood Forest
Forest/Woodland	Southern Coastal Plain Dry Upland Hardwood Forest
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 - 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 Ridge and Valley Dry Calcareous Forest
Forest/Woodland	Southern Ridge and Valley Dry Calcareous Forest - Hardwood Modifier
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	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
Wetlands	South-Central Interior Large Floodplain - Forest Modifier
Wetlands	South-Central Interior Large Floodplain - Herbaceous Modifier

Wetlands	South-Central Interior Small Stream and Riparian
Wetlands	Southern and Central Appalachian Bog and Fen
Wetlands	Southern Appalachian Seepage Wetland
Wetlands	Southern Coastal Plain Herbaceous Seepage Bog
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
Wetlands	Southern Piedmont/Ridge and Valley Upland Depression Swamp
Wetlands	Western Highland Rim Seepage Fen

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This data was compiled and/or developed by the Southeast GAP Analysis Project at The Biodiversity and Spatial Information Center, North Carolina State University.