





Cotton Mouse

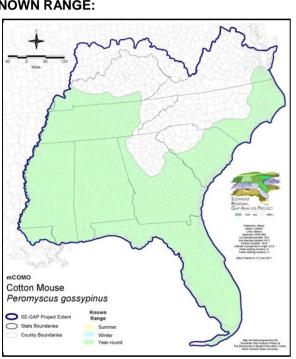
Peromyscus gossypinus

Taxa: Mammalian Order: Rodentia Family: Cricetidae

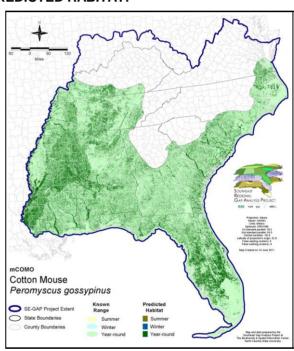
SE-GAP Spp Code: mCOMO ITIS Species Code: 180279

NatureServe Element Code: AMAFF03080

KNOWN RANGE:



PREDICTED HABITAT:



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

Predicted Habitat Map Link: http://www.basic.ncsu.edu/segap/datazip/maps/SE_Dist_mCOMO.pdf GAP Online Tool Link: http://www.gapserve.ncsu.edu/segap/segap/index2.php?species=mCOMO

http://www.basic.ncsu.edu/segap/datazip/region/vert/mCOMO_se00.zip Data Download:

PROTECTION STATUS:

Reported on March 14, 2011

Federal Status: ---

State Status: KY (T), MS (Non-game species in need of management)

NS Global Rank: G5

NS State Rank: AL (S5), AR (S5), FL (S5), GA (S5), IL (SX), KY (S2), LA (S5), MO (S2), MS (S5), NC (S5), OK (S3), SC (SNR),

TN (S5), TX (S5), VA (S3)

mCOMO Page 1 of 5

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	66,053.7	< 1	4,979.1	< 1	0.0	0	0.0	0
Status 2	133,705.6	< 1	35,776.4	< 1	0.0	0	695.2	< 1
Status 3	998.6	< 1	402,116.6	2	13,751.2	< 1	169,739.5	< 1
Status 4	13.0	< 1	< 0.1	< 1	0.0	0	5.2	< 1
Total	200,770.9	< 1	442,872.2	2	13,751.2	< 1	170,439.8	< 1
	US Dept. of Energy		US Nat. Park Service		NOAA		Other Federal Lands	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	22,363.1	< 1	250.6	< 1	14,557.5	< 1
Status 2	0.0	0	16,713.0	< 1	7,799.3	< 1	19.7	< 1
Status 3	27,549.4	< 1	48,629.7	< 1	0.0	0	1,532.2	< 1
Status 4	0.0	0	1.0	7	0.0	0	0.0	0
Total	27,549.4	< 1	87,707.4	< 1	8,049.9	< 1	16,109.4	< 1
ı	Native Am. Reserv.		State Park/Hist. Park		State WMA/Gameland		State Fores	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	245.3	< 1	3.6	< 1	0.0	C
Status 2	0.0	0	914.6	< 1	315,697.9	1	0.0	C
Status 3	6,310.3	< 1	387,359.3	2	82,724.4	< 1	148,356.1	< 1
Status 4	0.0	0	0.0	0	20,005.7	< 1	8.7	< 1
Total	6,310.3	< 1	388,519.1	2	418,431.6	2	148,364.8	< 1
ĺ	State Coastal Reserve		ST Nat.Area/Preserve		Other State Lands		Private Cons. Easemt.	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	2,313.5	< 1	0.0	0	0.0	C
Status 2	8,617.1	< 1	40,047.6	< 1	2.7	< 1	1,974.2	< 1
Status 3	0.0	0	14,375.2	< 1	8,433.5	< 1	93,268.2	< 1
Status 4	0.0	0	0.0	0	1,169.6	< 1	< 0.1	< 1
Total	8,617.1	< 1	56,736.2	< 1	9,605.7	<1	95,242.4	< 1
	Private Land - I	No Res.		Water			Overa	ıll Total
	ha	%	ha	%			ha	%
Status 1	0.0	0	0.0	0			110,766.2	< 1
Status 2	0.0	0	0.0	8			561,963.4	3
Status 3	417.8	< 1	0.0	0			1,405,561.7	8
Status 4	19,308,401.2	88	30,145.1	< 1			19,379,743.1	89
Total	19,308,819.0	88	30,145.3	< 1			21,458,034.5	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.

mCOMO Page 2 of 5

PREDICTED HABITAT MODEL(S):

Year-round Model:

Habitat Description:

Cotton mice have a preference for wetter habitats, especially bottomland hardwood forests, hammocks, and swamps (Wilson & Ruff 1999). However, this species also occupies a variety of other habitats including margins of cleared fields, old fields, salt savannas, palmetto thickets, dry hammocks, beach dunes, pine flatwoods, mixed pine-hardwood forests, pine-turkey oak, and sand pine scrub (Wolfe and Linzoy 1977, Whitaker and Hamilton 1998). Also in upland situations, rocky outcrops, ledges, cliffs and caves have know to be used (Whitaker and Hamilton 1998). Cotton mice commonly resides in thickets of dense underbrush within the surrounding forest (Whitaker and Hamilton 1998), but shelter and nesting sites can also be found under decaying logs or tree stumps, in hollow trees or tree cavities, in old cabins, in rubble or brush piles, and in ground burrows (Wolfe and Linzoy 1977, Brown 1997, Whitaker and Hamilton 1998).

Amy Silvano

Ecosystem Classifiers: Shcru/shrub Evergreen, Mixed, mesic, and maritime forests, maritime grasslands, flatwoods, swamps, bottomlands (no herb mods), rock outcrops and pasture/hay. Amy Silvano 24jun05

Elevation Mask: < 600m

Functional Group	Map Unit Name				
Anthropogenic	Pasture/Hay				
Brackish Tidal Marsh & Wetland	Atlantic Coastal Plain Northern Tidal Wooded Swamp				
Brackish Tidal Marsh & Wetland	Atlantic Coastal Plain Southern Tidal Wooded Swamp				
Brackish Tidal Marsh & Wetland	East Gulf Coastal Plain Tidal Wooded Swamp				
Coastal Dune & Freshwater Wetland	Atlantic and Gulf Coastal Plain Interdunal Wetland				
Coastal Dune & Freshwater Wetland	Atlantic Coastal Plain Northern Dune and Maritime Grassland				
Coastal Dune & Freshwater Wetland	Atlantic Coastal Plain Southern Dune and Maritime Grassland				
Coastal Dune & Freshwater Wetland	East Gulf Coastal Plain Dune and Coastal Grassland				
Coastal Dune & Freshwater Wetland	Southwest Florida Dune and Coastal Grassland				
Forest/Woodland	Atlantic Coastal Plain Central Maritime Forest				
Forest/Woodland	Atlantic Coastal Plain Fall-line Sandhills Longleaf Pine Woodland - Scrub/Shrub Understory Modifier				
Forest/Woodland	Atlantic Coastal Plain Mesic Hardwood and Mixed Forest				
Forest/Woodland	Atlantic Coastal Plain Northern Maritime Forest				
Forest/Woodland	Atlantic Coastal Plain Northern Mixed Oak-Heath Forest				
Forest/Woodland	Atlantic Coastal Plain Southern Maritime Forest				
Forest/Woodland	Central Appalachian Oak and Pine Forest				
Forest/Woodland	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest - Mixed 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	East Gulf Coastal Plain Northern Loess Bluff Forest				
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				
Forest/Woodland	Florida Longleaf Pine Sandhill - Scrub/Shrub Understory Modifier				
Forest/Woodland	Florida Peninsula Inland Scrub				
Forest/Woodland	Mississippi Delta Maritime Forest				
Forest/Woodland	Northeastern Interior Dry Oak Forest - Mixed Modifier				
Forest/Woodland	Southeast Florida Coastal Strand and Maritime Hammock				
Forest/Woodland	Southern Coastal Plain Oak Dome and Hammock				
Forest/Woodland	Southern Piedmont Dry Oak-(Pine) Forest - Mixed Modifier				
Forest/Woodland	Southern Piedmont Dry Oak-Heath Forest - Mixed Modifier				
Forest/Woodland	Southern Piedmont Dry Oak-Heath Forest - Virginia/Pitch Pine Modifier				
Forest/Woodland	Southern Piedmont Mesic Forest				

mCOMO Page 3 of 5

Rock Outcrop Allegheny-Cumberland Sandstone Box Canyon and Rockhouse **Rock Outcrop** Central Interior Acidic Cliff and Talus Central Interior Calcareous Cliff and Talus **Rock Outcrop** East Gulf Coastal Plain Dry Chalk Bluff **Rock Outcrop Rock Outcrop** Southern Interior Acid Cliff **Rock Outcrop** Southern Interior Calcareous Cliff **Rock Outcrop** Southern Piedmont Cliff **Rock Outcrop** Southern Piedmont Granite Flatrock Wetlands Atlantic Coastal Plain Blackwater Stream Floodplain Forest - Forest Modifier Wetlands Atlantic Coastal Plain Brownwater Stream Floodplain Forest Wetlands Atlantic Coastal Plain Clay-Based Carolina Bay Forested Wetland 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 Swamp and Wet Hardwood Forest Wetlands Atlantic Coastal Plain Northern Wet Longleaf Pine Savanna and Flatwoods 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 Central Appalachian Floodplain - Forest Modifier Wetlands Wetlands Central Appalachian Riparian - Forest Modifier Wetlands Central Florida Pine Flatwoods 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 Near-Coast Pine Flatwoods - Offsite Hardwood Modifier Wetlands East Gulf Coastal Plain Near-Coast Pine Flatwoods - Scrub/Shrub Understory Modifier 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 Loblolly-Hardwood Flatwoods Wetlands Lower Mississippi River Bottomland and Floodplain Forest Wetlands Lower Mississippi River Bottomland Depressions - Forest Modifier Wetlands Mississippi River Low Floodplain (Bottomland) Forest Wetlands Mississippi River Riparian Forest Wetlands South Florida Bayhead Swamp Wetlands South Florida Hardwood Hammock Wetlands South Florida Pine Flatwoods Wetlands South-Central Interior Large Floodplain - Forest Modifier Wetlands South-Central Interior Small Stream and Riparian Wetlands South-Central Interior/Upper Coastal Plain Wet Flatwoods Wetlands Southern Coastal Plain Blackwater River Floodplain Forest Wetlands Southern Coastal Plain Hydric Hammock Wetlands Southern Coastal Plain Nonriverine Basin Swamp

Wetlands Southern Coastal Plain Seepage Swamp and Baygall

Wetlands Southern Piedmont Large Floodplain Forest - Forest Modifier Wetlands Southern Piedmont Small Floodplain and Riparian Forest

Wetlands Southern Piedmont/Ridge and Valley Upland Depression Swamp

CITATIONS:

Boone, J. L., and J. Laerm. 1993. Cotton mice, PEROMYSCUS GOSSYPINUS LeConte (Rodentia: Cricetidae), in the Great Dismal Swamp and surround areas. Brimleyana 18:125-129.

Brown, L. N. 1997. A guide to the mammals of the southeastern United States. University of Tennessee Press, Knoxville. xiv + 236

Davis, W. B. 1978. The mammals of Texas. Texas Parks and Wildlife Dept., Bull. No. 41. 294

Frank, P. A., and J. N. Layne. 1992. Nests and daytime refugia of cotton mice (Peromyscus gossypinus) and golden mice (Ochrotomys nuttalli) in south-central Florida. Am. Midl. Nat. 127:21-30.

Hall, E. R. 1981. The Mammals of North America. Second edition. 2 Volumes. John Wiley and Sons, New York, New York. 1181

mCOMO Page 4 of 5 Handley, C. O., Jr. 1991. Mammals. Pages 539-616 in K. Terwilliger, coordinator. Virginia's endangered species:proceedings of a symposium. McDonald and Woodward Publishing Company, Blacksburg, Virginia.

Humphrey, S. R. 1988. Density estimates of the endangered Key Largo woodrat and cotton mouse (NEOTOMA FLORIDANA SMALLI and PEROMYSCUS GOSSYPINUS ALLAPATICOLA), using the nested-grid approach. J. Mammalogy 69:524-531.

Jones, J. K., Jr., et al. 1992. Revised checklist of North American mammals north of Mexico, 1991. Occas. Pap. Mus., Texas Tech Univ. (146):1-

King, J. A. (ed.). 1968. Biology of PEROMYSCUS (Rodentia). Am. Soc. Mamm. Spec. Publ. No. 2. 593 nn.

Kirkland, G. L., Jr., and J. N. Layne. 1989. Advances in the study of PEROMYSCUS (Rodentia). Texas Tech Univ. Press, Lubbock.

Layne, J.N. 1974. Ecology of small mammals in a flatwoods habitat in north central Florida, with emphasis on the cotton rat (Sigmodon hispidus). Am. Mus. Novitates (2544):1-48.

Lee, D. S., L. B. Funderburg Jr., and M. K. Clark. 1982. A distributional survey of North Carolina mammals. Occasional Papers of the North Carolina Biological Survey, No. 1982-10. North Carolina State. Mus. Nat. Hist., Raleigh, North Carolina. 72 pp.

Lowery, G. H., Jr. 1974. The mammals of Louisiana and its adjacent waters. Louisiana State University Press, Baton Rouge. 565 np.

Pounelle, Gilt. 1952. Reproduction/early postnatal development of the cotton mouse, Peromyscus gossypinus gossypinus. J. Mamm. 33:1-20.

Schwartz, Charles W., and Elizabeth R. Schwartz. 1981. The wild mammals of Missouri. University of Missouri Press, Columbia. 356 pp.

Webster, W. D., J. F. Parnell and W. C. Biggs Jr. 1985. Mammals of the Carolinas, Virginia, and Maryland. The University of North Carolina Press, Chapel Hill, NC.

Whitaker, J.O. Jr. and W.J. Hamilton, Jr. 1998. Mammals of the eastern United States. Cornell Univ. Press, Ithaca, New York. 583 pp.

Wilson, D. E., and D. M. Reeder (editors). 1993. Mammal Species of the World: Taxonomic and Geographic Reference. Second Edition. Smithsonian Institution Press, Washington, DC. xviii + 1206 pp.

Wilson, D.E. and S. Ruff. 1999. The Smithsonian book of North American mammals. Washington, DC, Smithsonian Inst. Press. 750 p.

Wolfe, J.L. and A.V. Linzoy, 1977. Peromyscus gossypinus. Am. Soc. Mamm., Mammalian Species No. 70. 5 pp.

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

mCOMO Page 5 of 5