



SOUTHEAST GAP ANALYSIS PROJECT



Species Modeling Report

Golden Mouse

Ochrotomys nuttalli

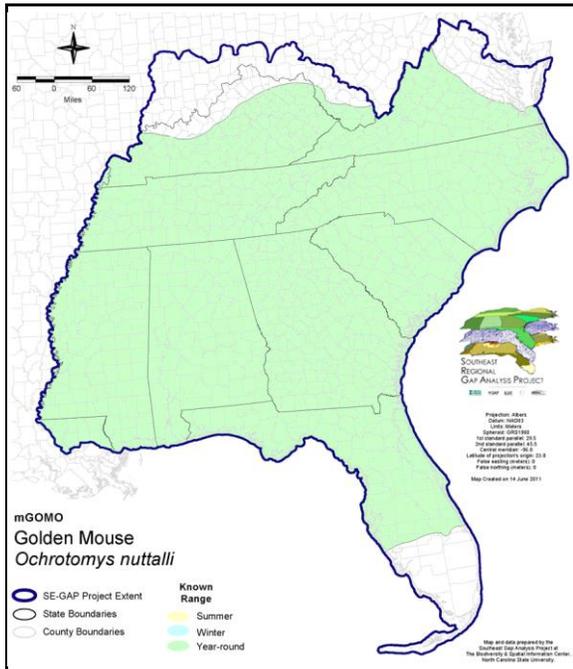
Taxa: Mammalian
Order: Rodentia
Family: Cricetidae

SE-GAP Spp Code: **mGOMO**

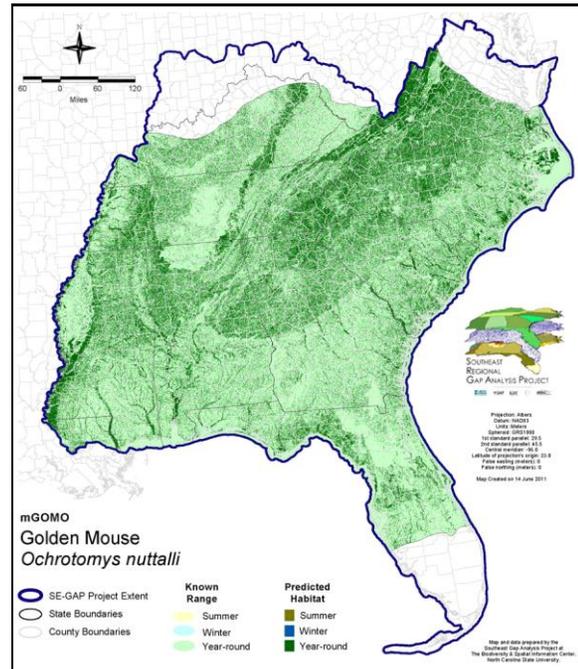
ITIS Species Code: 180379

NatureServe Element Code: AMAFF04010

KNOWN RANGE:



PREDICTED HABITAT:



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

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

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

Data Download: http://www.basic.ncsu.edu/segap/datazip/region/vert/mGOMO_se00.zip

PROTECTION STATUS:

Reported on March 14, 2011

Federal Status: ---

State Status: IL (LT), KY (N), MS (Non-game species in need of management), OK (Category II)

NS Global Rank: G5

NS State Rank: AL (S5), AR (S5), FL (SNR), GA (S5), IL (S2), KS (SNA), KY (S4), LA (S4S5), MO (S3?), MS (SNR), NC (S5), OK (S1), SC (SNR), TN (S5), TX (S4), VA (S4), WV (S2)

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	87,905.2	< 1	27,890.7	< 1	0.0	0	0.0	0
Status 2	191,436.5	< 1	296,599.9	< 1	0.0	0	4,025.3	< 1
Status 3	2,391.8	< 1	1,615,843.0	5	41,551.4	< 1	194,553.3	< 1
Status 4	50.7	< 1	< 0.1	< 1	0.0	0	28.4	< 1
Total	281,784.2	< 1	1,940,333.7	5	41,551.4	< 1	198,607.0	< 1
	US Dept. of Energy		US Nat. Park Service		NOAA		Other Federal Lands	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	191,659.1	< 1	148.1	< 1	11,719.5	< 1
Status 2	0.0	0	12,420.5	< 1	8,277.7	< 1	16.7	< 1
Status 3	29,331.6	< 1	71,270.0	< 1	0.0	0	1,333.6	< 1
Status 4	0.0	0	1.0	4	0.0	0	0.0	0
Total	29,331.6	< 1	275,351.1	< 1	8,425.8	< 1	13,069.9	< 1
	Native Am. Reserv.		State Park/Hist. Park		State WMA/Gameland		State Forest	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	889.1	< 1	55.6	< 1	0.0	0
Status 2	0.0	0	11,706.5	< 1	470,670.3	1	277.9	< 1
Status 3	16,080.2	< 1	328,372.8	< 1	151,960.1	< 1	131,618.0	< 1
Status 4	0.0	0	< 0.1	< 1	49,538.6	< 1	9.0	< 1
Total	16,080.2	< 1	340,968.5	< 1	672,224.7	2	131,904.9	< 1
	State Coastal Reserve		ST Nat.Area/Preserve		Other State Lands		Private Cons. Easemt.	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	8,541.6	< 1	0.0	0	0.0	0
Status 2	13,236.6	< 1	71,308.8	< 1	5.0	< 1	1,623.2	< 1
Status 3	0.0	0	12,788.6	< 1	6,622.6	< 1	59,872.1	< 1
Status 4	0.0	0	1.6	< 1	2,278.2	< 1	0.0	0
Total	13,236.6	< 1	92,640.6	< 1	8,905.7	< 1	61,495.3	< 1
	Private Land - No Res.		Water		Overall Total			
	ha	%	ha	%	ha	%		
Status 1	0.0	0	0.0	0	328,809.1	< 1		
Status 2	0.0	0	0.0	5	1,081,605.0	3		
Status 3	479.1	< 1	0.0	0	2,664,068.1	12		
Status 4	29,641,135.8	84	35,919.6	< 1	29,778,451.5	84		
Total	29,641,614.8	84	35,919.8	< 1	33,852,933.6	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.

PREDICTED HABITAT MODEL(S):

Year-round Model:

Habitat Description: An arboreal species, the golden mouse prefers wooded areas often in moist or mesic conditions with dense vine and shrub cover. Honeysuckle, greenbrier and grape vines have been identified as important, but not necessarily essential, vegetative components of habitat - other types of dense brushy vegetation will also do (Webster et al. 1985). However, habitats can vary considerably and may differ to some extent among physiographic regions (Whitaker and Hamilton 1998). In the mid and southern Appalachian mountains, it occupies pine stands with greenbrier or mountain laurel thickets, old growth hemlock stands with rhododendron thickets, deciduous stands with an understory of honeysuckle, forested talus slopes and boulder fields, and the forest edges adjacent to old fields, meadows and other open habitats of dense grass and sedge cover (Linzey and Linzey 1971, Whitaker and Hamilton 1998). In the coastal plain, it mostly frequents upland habitats but can also be found in swampy woodlands and canebrakes. In AL, it occupies canebrakes and swampy woodlands, or sometimes dry, thickety flatwoods and in FL it may be found in Xeric Upland oak/pine habitats (Whitaker Jr. and Hamilton Jr. 1998).

It shelters in tree cavities or makes its nest in brushy ground level or above-ground vegetation. Nests and feeding platforms are built on the ground, and above ground in the understory (Frank and Layne 1992). In the coastal plain, nests can be found in the draping Spanish moss of huge live oaks or in brushy thickets (Whitaker and Hamilton 1998). Young are born in nests that usually are a few inches to 15 feet above ground in bushes and vines (Frank and Layne 1992).

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Ecosystem Classifiers: Evergreen (Shrub/shrub, loblolly, shortleaf only), Mixed, Hardwood, mesic, cove and maritime forest, Successional, Tidal swamps, Treed Flatwoods, Domes/Hammock, Depressional, Floodplain (no herb modifiers)

Selected Map Units:

Functional Group	Map Unit Name
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
Forest/Woodland	Appalachian Hemlock-Hardwood Forest
Forest/Woodland	Atlantic Coastal Plain Central Maritime Forest
Forest/Woodland	Atlantic Coastal Plain Dry and Dry-Mesic Oak Forest
Forest/Woodland	Atlantic Coastal Plain Mesic Hardwood and Mixed Forest
Forest/Woodland	Atlantic Coastal Plain Northern Maritime Forest
Forest/Woodland	Atlantic Coastal Plain Southern Maritime Forest
Forest/Woodland	Central and Southern Appalachian Montane Oak Forest
Forest/Woodland	Central and Southern Appalachian Northern Hardwood Forest
Forest/Woodland	Central and Southern Appalachian Spruce-Fir Forest
Forest/Woodland	Central Appalachian Oak and Pine Forest
Forest/Woodland	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest - Hardwood Modifier
Forest/Woodland	East Gulf Coastal Plain Limestone Forest
Forest/Woodland	East Gulf Coastal Plain Maritime 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 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	Mississippi Delta Maritime Forest
Forest/Woodland	Northeastern Interior Dry Oak Forest - Mixed Modifier
Forest/Woodland	Northeastern Interior Dry Oak Forest-Hardwood Modifier
Forest/Woodland	South-Central Interior Mesophytic Forest
Forest/Woodland	Southeast Florida Coastal Strand and Maritime Hammock
Forest/Woodland	Southern and Central Appalachian Cove Forest

Forest/Woodland	Southern and Central Appalachian Oak Forest
Forest/Woodland	Southern Appalachian Montane Pine Forest and Woodland
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 Piedmont Dry Oak-Heath Forest - Virginia/Pitch Pine Modifier
Forest/Woodland	Southern Piedmont Mesic Forest
Forest/Woodland	Southern Ridge and Valley Dry Calcareous Forest
Forest/Woodland	Southern Ridge and Valley Dry Calcareous Forest - Hardwood Modifier
Forest/Woodland	Southwest Florida Coastal Strand and Maritime Hammock
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 Peat Swamp
Wetlands	Atlantic Coastal Plain Northern Basin Swamp and Wet Hardwood Forest
Wetlands	Atlantic Coastal Plain Peatland Pocosin
Wetlands	Atlantic Coastal Plain Small Blackwater River Floodplain Forest
Wetlands	Atlantic Coastal Plain Small Brownwater River Floodplain Forest
Wetlands	Atlantic Coastal Plain Streamhead Seepage Swamp, Pocosin, and Baygall
Wetlands	Central Appalachian Floodplain - Forest Modifier
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	North-Central Appalachian Acidic Swamp
Wetlands	North-Central Interior and Appalachian Rich Swamp
Wetlands	South Florida Bayhead Swamp
Wetlands	South-Central Interior Large Floodplain - Forest Modifier
Wetlands	South-Central Interior Small Stream and Riparian
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 Cypress Dome
Wetlands	Southern Coastal Plain Seepage Swamp and Baygall
Wetlands	Southern Piedmont Large Floodplain Forest - Forest 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

Selected Secondary Map Units within 30m of Primary Map Units:

Functional Group	Map Unit Name
Anthropogenic	Developed Open Space
Anthropogenic	Successional Shrub/Scrub (Clear Cut)

Anthropogenic	Successional Shrub/Scrub (Utility Swath)
Anthropogenic	Successional Shrub/Scrub (Other)
Anthropogenic	Successional Grassland/Herbaceous
Anthropogenic	Successional Grassland/Herbaceous (Other)
Anthropogenic	Successional Grassland/Herbaceous (Utility Swath)
Anthropogenic	Pasture/Hay

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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.