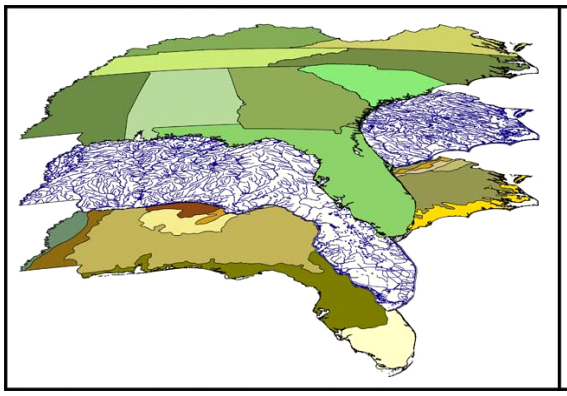


SOUTHEAST GAP ANALYSIS PROJECT

Species Modeling Report

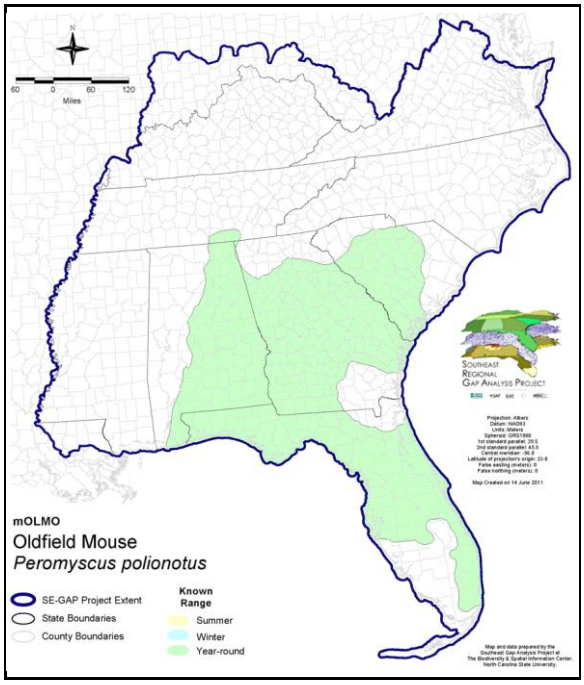
Oldfield Mouse

Peromyscus polionotus

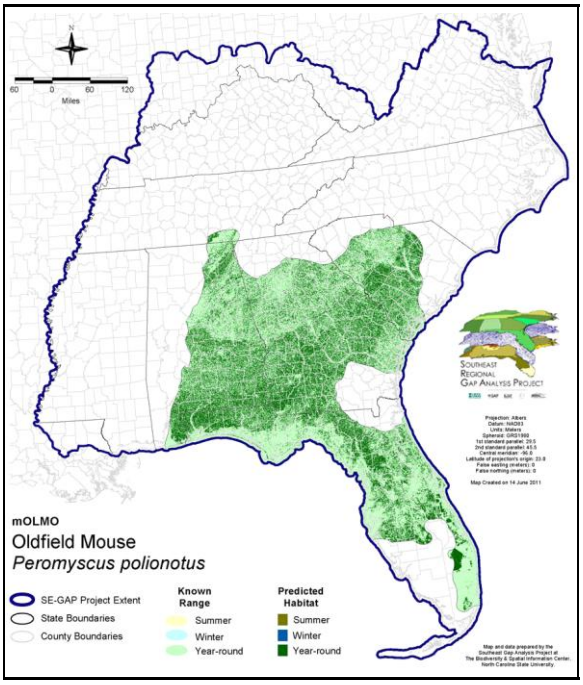
Taxa: Mammalian
Order: Rodentia
Family: Cricetidae

SE-GAP Spp Code: **mOLMO**
ITIS Species Code: 180290
NatureServe Element Code: AMAFF03060

KNOWN RANGE:



PREDICTED HABITAT:



Range Map Link: http://www.basic.ncsu.edu/segap/datazip/maps/SE_Range_mOLMO.pdf
Predicted Habitat Map Link: http://www.basic.ncsu.edu/segap/datazip/maps/SE_Dist_mOLMO.pdf
GAP Online Tool Link: http://www.gapserve.ncsu.edu/segap/segap/index2.php?species=mOLMO
Data Download: http://www.basic.ncsu.edu/segap/datazip/region/vert/mOLMO_se00.zip

PROTECTION STATUS:

Reported on March 14, 2011

Federal Status: ---
State Status: MS (Non-game species in need of management), NC (SC)
NS Global Rank: G5
NS State Rank: AL (S5), FL (S5), GA (S5), MS (S1S2), NC (S2), SC (SNR), TN (S4S5)

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	10,254.2	< 1	30.0	< 1	0.0	0	0.0	0
Status 2	9,642.2	< 1	10,297.6	< 1	0.0	0	67.6	< 1
Status 3	0.0	0	138,085.2	1	1,362.7	< 1	209,288.5	2
Status 4	0.0	0	0.0	0	0.0	0	0.0	0
Total	19,896.4	< 1	148,412.8	1	1,362.7	< 1	209,356.1	2

	US Dept. of Energy		US Nat. Park Service		NOAA		Other Federal Lands	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	330.0	< 1	96.9	< 1	9,475.0	< 1
Status 2	0.0	0	6,782.6	< 1	5,204.9	< 1	0.5	< 1
Status 3	33,240.3	< 1	974.9	< 1	0.0	0	0.0	0
Status 4	0.0	0	0.0	0	0.0	0	0.0	0
Total	33,240.3	< 1	8,087.5	< 1	5,301.8	< 1	9,475.6	< 1

	Native Am. Reserv.		State Park/Hist. Park		State WMA/Gameland		State Forest	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	199.5	< 1	9.6	< 1	0.0	0
Status 2	0.0	0	371.3	< 1	63,127.2	< 1	0.0	0
Status 3	0.0	0	135,559.5	1	4,100.0	< 1	118,231.5	< 1
Status 4	0.0	0	0.0	0	14,038.1	< 1	33.3	< 1
Total	0.0	0	136,130.4	1	81,275.0	< 1	118,264.8	< 1

	State Coastal Reserve		ST Nat.Area/Preserve		Other State Lands		Private Cons. Easemt.	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	1,211.0	< 1	0.0	0	0.0	0
Status 2	649.6	< 1	5,453.6	< 1	0.0	0	1,100.0	< 1
Status 3	0.0	0	5,543.7	< 1	11,237.1	< 1	37,088.4	< 1
Status 4	0.0	0	0.0	0	2,274.9	< 1	< 0.1	< 1
Total	649.6	< 1	12,208.3	< 1	13,512.1	< 1	38,188.4	< 1

	Private Land - No Res.		Water		Overall Total	
	ha	%	ha	%	ha	%
Status 1	0.0	0	0.0	0	21,606.3	< 1
Status 2	0.0	0	0.0	0	102,697.1	< 1
Status 3	19.8	< 1	0.0	0	694,731.7	6
Status 4	12,145,231.3	92	4,371.6	< 1	12,179,987.4	93
Total	12,145,251.1	92	4,371.6	< 1	12,999,022.5	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.

PREDICTED HABITAT MODEL(S):

Year-round Model:

Habitat Description: This species is relatively common in much of the piedmont and coastal plain of South Carolina, Georgia and Alabama (Webster et al. 1985). Fallow and old fields with grass and forb vegetation are this mouse's primary habitat (Brown 1997). It also occupies coastal beaches, road sides, edges of cultivated corn, cotton, melon and peanut fields, and will occasionally use hedgerows or open forest stands (Webster et al. 1985, Whitaker and Hamilton 1998). Well to excessively drained sandy soils, which produce a moderately dense cover of vegetation with pockets of bare earth, are apparently preferred over mesic, densely vegetated sites (Brown 1997). The mainland form of this species is found in longleaf pine savannah, sand pine forest, and xeric scrub (Humphrey and Barbour 1981, in FL-GAP).
Amy Silvano

Ecosystem Classifiers: Evergreen, martime, Bare Sand, grassland/herb, beach, unconsolidate shore

Selected Map Units:

Functional Group	Map Unit Name
Anthropogenic	Bare Sand
Anthropogenic	Pasture/Hay
Anthropogenic	Row Crop
Anthropogenic	Successional Grassland/Herbaceous
Anthropogenic	Successional Grassland/Herbaceous (Other)
Anthropogenic	Successional Grassland/Herbaceous (Utility Swath)
Beach	Atlantic Coastal Plain Sea Island Beach
Beach	Atlantic Coastal Plain Southern Beach
Beach	Florida Panhandle Beach Vegetation
Beach	Southeast Florida Beach
Beach	Southwest Florida Beach
Beach	Unconsolidated Shore (Beach/Dune)
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 Fall-Line Sandhills Longleaf Pine Woodland - Loblolly Modifier
Forest/Woodland	Atlantic Coastal Plain Fall-line Sandhills Longleaf Pine Woodland - Open Understory Modifier
Forest/Woodland	Atlantic Coastal Plain Fall-line Sandhills Longleaf Pine Woodland - Scrub/Shrub Understory Modifier
Forest/Woodland	Atlantic Coastal Plain Southern Maritime Forest
Forest/Woodland	Atlantic Coastal Plain Upland Longleaf Pine Woodland
Forest/Woodland	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest - Pine Modifier
Forest/Woodland	East Gulf Coastal Plain Interior Upland Longleaf Pine Woodland - Loblolly Modifier
Forest/Woodland	East Gulf Coastal Plain Interior Upland Longleaf Pine Woodland - Open Understory 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	Florida Longleaf Pine Sandhill - Open Understory Modifier
Forest/Woodland	Florida Longleaf Pine Sandhill - Scrub/Shrub Understory Modifier
Forest/Woodland	Florida Peninsula Inland Scrub
Forest/Woodland	Southeast Florida Coastal Strand and Maritime Hammock
Forest/Woodland	Southeastern Interior Longleaf Pine Woodland
Forest/Woodland	Southern Piedmont Dry Oak-(Pine) Forest - Loblolly Pine Modifier
Wetlands	Unconsolidated Shore (Lake/River/Pond)

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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.