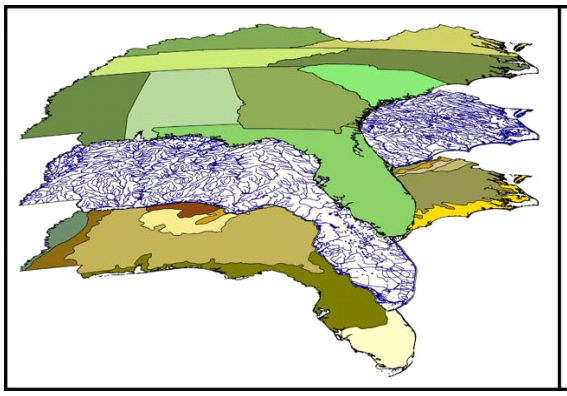


SOUTHEAST GAP ANALYSIS PROJECT

USGS gap BaSIC NARSAL

Species Modeling Report

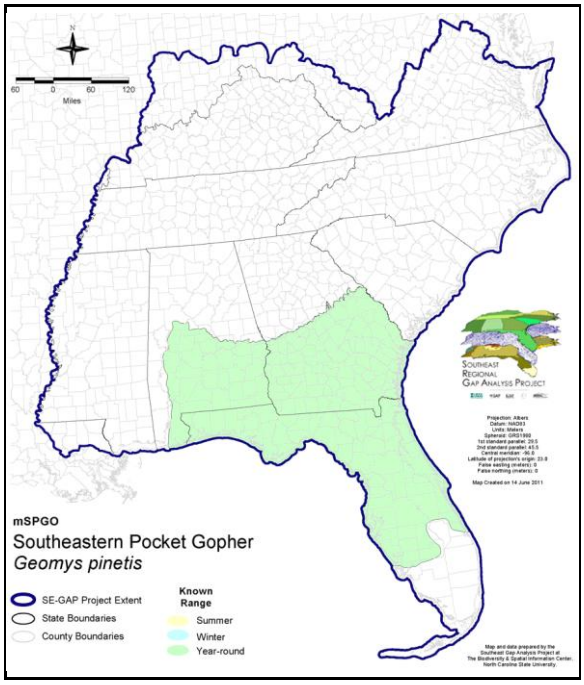
Southeastern Pocket Gopher

Geomys pinetis

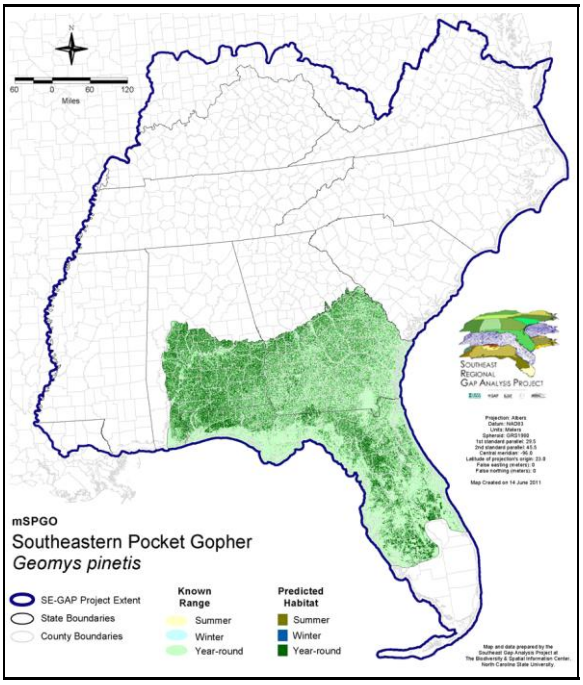
Taxa: Mammalian
Order: Rodentia
Family: Geomyidae

SE-GAP Spp Code: **mSPGO**
ITIS Species Code: 180218
NatureServe Element Code: AMAFC02040

KNOWN RANGE:



PREDICTED HABITAT:



Range Map Link: http://www.basic.ncsu.edu/segap/datazip/maps/SE_Range_mSPGO.pdf
Predicted Habitat Map Link: http://www.basic.ncsu.edu/segap/datazip/maps/SE_Dist_mSPGO.pdf
GAP Online Tool Link: http://www.gapserve.ncsu.edu/segap/segap/index2.php?species=mSPGO
Data Download: http://www.basic.ncsu.edu/segap/datazip/region/vert/mSPGO_se00.zip

PROTECTION STATUS:

Reported on March 14, 2011

Federal Status: ---
State Status: AL (SP), GA (T)
NS Global Rank: G5
NS State Rank: AL (S3), FL (S5), GA (S4)

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	1,556.5	< 1	197.7	< 1	0.0	0	0.0	0
Status 2	1,940.1	< 1	5,193.7	< 1	0.0	0	27.9	< 1
Status 3	0.0	0	135,363.1	2	0.0	0	191,247.6	2
Status 4	0.2	< 1	0.0	0	0.0	0	0.0	0
Total	3,496.8	< 1	140,754.5	2	0.0	0	191,275.5	2

	US Dept. of Energy		US Nat. Park Service		NOAA		Other Federal Lands	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	695.9	< 1	0.0	0	237.4	< 1
Status 2	0.0	0	1,589.6	< 1	392.3	< 1	0.2	< 1
Status 3	< 0.1	< 1	258.7	< 1	0.0	0	0.0	0
Status 4	0.0	0	0.0	0	0.0	0	0.0	0
Total	< 0.1	< 1	2,544.1	< 1	392.3	< 1	237.6	< 1

	Native Am. Reserv.		State Park/Hist. Park		State WMA/Gameland		State Forest	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	207.3	< 1	0.0	0	0.0	0
Status 2	0.0	0	275.2	< 1	52,872.2	< 1	0.0	0
Status 3	0.0	0	94,860.6	1	2,809.0	< 1	113,351.8	1
Status 4	0.0	0	0.0	0	11,639.0	< 1	36.0	< 1
Total	0.0	0	95,343.1	1	67,320.2	< 1	113,387.8	1

	State Coastal Reserve		ST Nat.Area/Preserve		Other State Lands		Private Cons. Easemt.	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	448.4	< 1	0.0	0	0.0	0
Status 2	127.9	< 1	2,109.0	< 1	0.0	0	1,272.4	< 1
Status 3	0.0	0	5,384.1	< 1	10,809.0	< 1	43,675.5	< 1
Status 4	0.0	0	0.0	0	203.6	< 1	< 0.1	< 1
Total	127.9	< 1	7,941.4	< 1	11,012.6	< 1	44,948.0	< 1

	Private Land - No Res.		Water		Overall Total	
	ha	%	ha	%	ha	%
Status 1	0.0	0	0.0	0	3,343.1	< 1
Status 2	0.0	0	0.0	0	65,800.5	< 1
Status 3	240.4	< 1	0.0	0	597,999.7	8
Status 4	7,901,067.9	91	1,566.1	< 1	7,926,151.6	91
Total	7,901,308.3	91	1,566.1	< 1	8,593,295.0	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: Southeastern pocket gophers are well adapted to life underground and may be locally abundant in areas with deep, sandy soils. They are most abundant in long-leaf pine forest, open pine-oak woodlands, pine flatwoods, and in weedy or grassy fields. There are reports of them in gravelly ridges with mixed longleaf pine and oak, sandhills, and scrub (Pembleton and Williams 1978; Layne et al. 1977). They avoid closed canopy, dense understory, and flooded areas (Humphrey 1992). Stacy Smith, 17June05

Selected Map Units:

Functional Group	Map Unit Name
Anthropogenic	Pasture/Hay
Anthropogenic	Successional Grassland/Herbaceous
Anthropogenic	Successional Grassland/Herbaceous (Other)
Anthropogenic	Successional Grassland/Herbaceous (Utility Swath)
Forest/Woodland	Atlantic Coastal Plain Fall-Line Sandhills Longleaf Pine Woodland - Loblolly Modifier
Forest/Woodland	Atlantic Coastal Plain Fall-line Sandhills Longleaf Pine Woodland - Offsite Hardwood 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 Northern Mixed Oak-Heath Forest
Forest/Woodland	Atlantic Coastal Plain Upland Longleaf Pine Woodland
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 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 - Offsite Hardwood 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	Florida Longleaf Pine Sandhill - Open Understory Modifier
Forest/Woodland	Florida Longleaf Pine Sandhill - Scrub/Shrub Understory Modifier
Forest/Woodland	Southern Coastal Plain Oak Dome and Hammock
Forest/Woodland	Southern Piedmont Dry Oak-(Pine) Forest - Hardwood Modifier

CITATIONS:

Humphrey, S. R. 1992. Rare and endangered biota of Florida, Volume 1. Mammals. University Press of Florida, Gainesville. xviii + 392 pp.

Layne, J.N.; Stallcup, J.A.; Woolfenden, G.E.; McCauley, M.N.; Worley, D.J. 1977. Fish and Wildlife Inventory of the Seven-County Region Included in the Central Florida Phosphate Industry Area-Wide Environmental Impact Study. Volumes I and II. Also avai

Pembleton, E.F. and S.L. Williams. 1978. Geomys pinetis. Mammalian Species No. 86. Am. Soc. Mammal., New York.

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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.