



SOUTHEAST GAP ANALYSIS PROJECT



Species Modeling Report

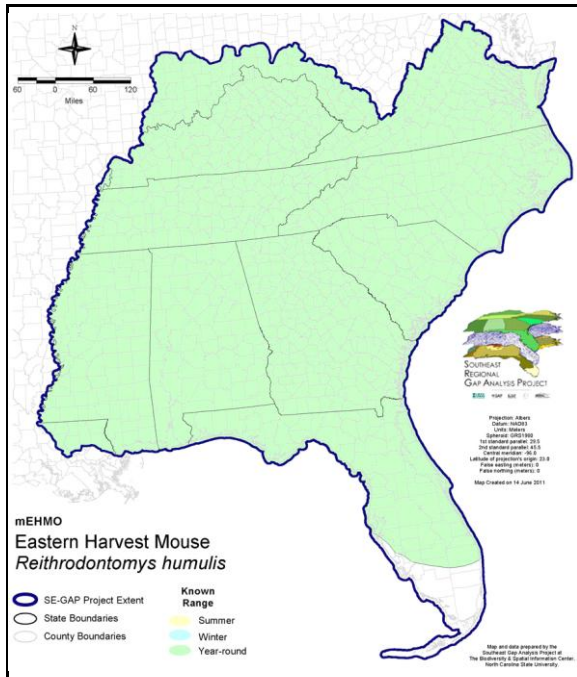
Eastern Harvest Mouse

Reithrodontomys humulis

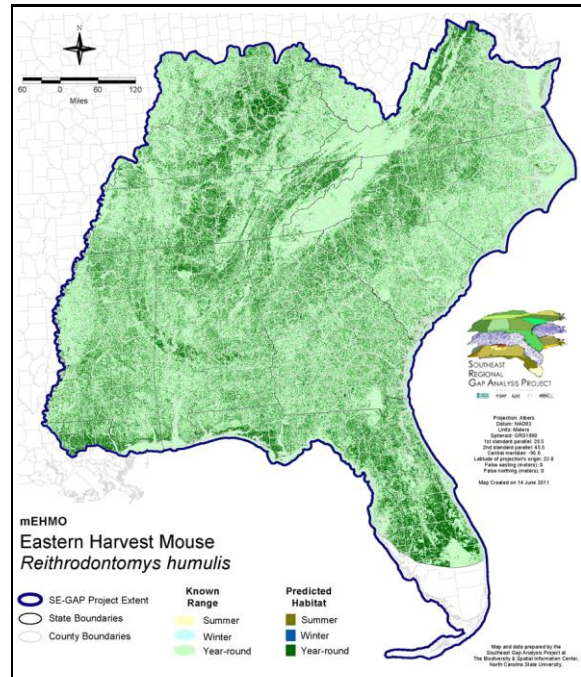
Taxa: Mammalian
 Order: Rodentia
 Family: Cricetidae

SE-GAP Spp Code: **mEHMO**
 ITIS Species Code: 180342
 NatureServe Element Code: AMAFF02020

KNOWN RANGE:



PREDICTED HABITAT:



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

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

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

Data Download: http://www.basic.ncsu.edu/segap/datazip/region/vert/mEHMO_se00.zip

PROTECTION STATUS:

Reported on March 14, 2011

Federal Status: ---

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

NS Global Rank: G5

NS State Rank: AL (S5), AR (S2), FL (SNR), GA (S4), IN (S4), KY (S4), LA (S3S4), MD (SH), MS (SNR), NC (S4), OH (SNR), OK (S1), SC (SNR), TN (S5), TX (S4), VA (S5), WV (SH)

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	22,262.8	< 1	369.5	< 1	0.0	0	0.0	0
Status 2	39,301.9	< 1	13,763.9	< 1	0.0	0	697.8	< 1
Status 3	323.1	< 1	197,851.5	< 1	25,022.7	< 1	234,745.8	< 1
Status 4	16.7	< 1	0.0	0	0.0	0	93.4	< 1
Total	61,904.4	< 1	211,984.8	< 1	25,022.7	< 1	235,537.0	< 1
	US Dept. of Energy		US Nat. Park Service		NOAA		Other Federal Lands	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	2,955.5	< 1	133.8	< 1	2,936.3	< 1
Status 2	0.0	0	10,405.5	< 1	7,463.1	< 1	62.2	< 1
Status 3	4,106.7	< 1	19,440.7	< 1	0.0	0	5,842.8	< 1
Status 4	0.0	0	0.0	2	0.0	0	0.0	0
Total	4,106.7	< 1	32,801.9	< 1	7,596.9	< 1	8,841.2	< 1
	Native Am. Reserv.		State Park/Hist. Park		State WMA/Gameland		State Forest	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	182.0	< 1	6.5	< 1	0.0	0
Status 2	0.0	0	864.5	< 1	189,195.1	< 1	55.0	< 1
Status 3	2,287.8	< 1	269,308.7	< 1	29,148.1	< 1	104,684.7	< 1
Status 4	0.0	0	0.0	0	21,178.9	< 1	4.3	< 1
Total	2,287.8	< 1	270,355.1	< 1	239,528.6	< 1	104,744.0	< 1
	State Coastal Reserve		ST Nat.Area/Preserve		Other State Lands		Private Cons. Easemt.	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	1,739.5	< 1	0.0	0	0.0	0
Status 2	3,478.2	< 1	11,615.0	< 1	1.9	< 1	1,889.7	< 1
Status 3	0.0	0	13,869.5	< 1	17,098.7	< 1	94,060.9	< 1
Status 4	0.0	0	0.0	0	1,580.8	< 1	< 0.1	< 1
Total	3,478.2	< 1	27,224.1	< 1	18,681.4	< 1	95,950.7	< 1
	Private Land - No Res.		Water		Overall Total			
	ha	%	ha	%	ha	%		
Status 1	0.0	0	0.0	0	30,585.8	< 1		
Status 2	0.0	0	0.0	0	278,793.8	< 1		
Status 3	297.1	< 1	1.1	< 1	1,018,090.0	4		
Status 4	28,737,301.8	95	28,249.7	< 1	28,809,588.0	95		
Total	28,737,598.9	95	28,250.8	< 1	30,137,057.6	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: The eastern harvest mouse utilizes a variety of open grassy or brushy habitats (Whitaker and Hamilton 1998). It can be found in upland fields and meadows, open forest, forest clearings, tangled patches of brier or blackberry, roadside ditches, and in wet bottomlands and grassy flats (Stalling 1997, Whitaker and Hamilton 1998). Old fields with tall grasses, such as broom sedge, are preferred (Brown 1997).

Ecosystem Classifiers: Disturbed, low urban, developed open, coastal grasslands, freshwater marshes, open flatwoods, depressional (herbaceous only), Floodplain/Riparian (herbaceous only) and prairie. Amy silvano 24jun05

Elevation Mask: < 609m

Selected Map Units:

Functional Group	Map Unit Name
Anthropogenic	Developed Open Space
Anthropogenic	Pasture/Hay
Anthropogenic	Successional Grassland/Herbaceous
Anthropogenic	Successional Grassland/Herbaceous (Other)
Anthropogenic	Successional Grassland/Herbaceous (Utility Swath)
Anthropogenic	Successional Shrub/Scrub (Clear Cut)
Anthropogenic	Successional Shrub/Scrub (Other)
Anthropogenic	Successional Shrub/Scrub (Utility Swath)
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	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland - Woodland Modifier
Freshwater Tidal Marsh & Wetland	Atlantic Coastal Plain Central Fresh-Oligohaline Tidal Marsh
Freshwater Tidal Marsh & Wetland	Atlantic Coastal Plain Embayed Region Tidal Freshwater Marsh
Freshwater Tidal Marsh & Wetland	Atlantic Coastal Plain Northern Fresh and Oligohaline Tidal Marsh
Freshwater Tidal Marsh & Wetland	Florida Big Bend Fresh-Oligohaline Tidal Marsh
Prairie	Bluegrass Basin Savanna and Woodland
Prairie	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland
Prairie	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland - Herbaceous Modifier
Prairie	East Gulf Coastal Plain Jackson Plain Prairie and Barrens
Prairie	East Gulf Coastal Plain Jackson Prairie and Woodland
Prairie	Eastern Highland Rim Prairie and Barrens
Prairie	Eastern Highland Rim Prairie and Barrens - Dry Modifier
Prairie	Florida Dry Prairie
Prairie	Panhandle Florida Limestone Glade
Prairie	Pennyroyal Karst Plain Prairie and Barrens
Prairie	Southern Ridge and Valley Patch Prairie
Prairie	Western Highland Rim Prairie and Barrens
Wetlands	Atlantic Coastal Plain Blackwater Stream Floodplain Forest - Herbaceous Modifier
Wetlands	Atlantic Coastal Plain Clay-Based Carolina Bay Herbaceous Wetland
Wetlands	Atlantic Coastal Plain Depression Pondshore
Wetlands	Atlantic Coastal Plain Northern Pondshore
Wetlands	Atlantic Coastal Plain Sandhill Seep
Wetlands	Atlantic Coastal Plain Southern Wet Pine Savanna and Flatwoods
Wetlands	Central Appalachian Floodplain - Herbaceous Modifier
Wetlands	Central Appalachian Riparian - Herbaceous Modifier
Wetlands	Central Florida Herbaceous Pondshore

Wetlands	Central Florida Herbaceous Seep
Wetlands	Central Florida Pine Flatwoods
Wetlands	Central Interior Highlands and Appalachian Sinkhole and Depression Pond
Wetlands	East Gulf Coastal Plain Interior Shrub Bog
Wetlands	East Gulf Coastal Plain Jackson Plain Dry Flatwoods - Open Understory Modifier
Wetlands	East Gulf Coastal Plain Large River Floodplain Forest - Herbaceous Modifier
Wetlands	East Gulf Coastal Plain Near-Coast Pine Flatwoods - Open Understory Modifier
Wetlands	East Gulf Coastal Plain Northern Depression Pondshore
Wetlands	East Gulf Coastal Plain Southern Depression Pondshore
Wetlands	East Gulf Coastal Plain Treeless Savanna and Wet Prairie
Wetlands	Floridian Highlands Freshwater Marsh
Wetlands	Lower Mississippi River Bottomland Depressions - Herbaceous Modifier
Wetlands	North-Central Appalachian Seepage Fen
Wetlands	South Florida Freshwater Slough and Gator Hole
Wetlands	South Florida Pine Flatwoods
Wetlands	South Florida Wet Marl Prairie
Wetlands	South-Central Interior Large Floodplain - Herbaceous Modifier
Wetlands	South-Central Interior/Upper Coastal Plain Wet Flatwoods
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 - Herbaceous Modifier
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.