





Eastern Chipmunk

Tamias striatus

Taxa: Mammalian
Order: Rodentia
Family: Sciuridae

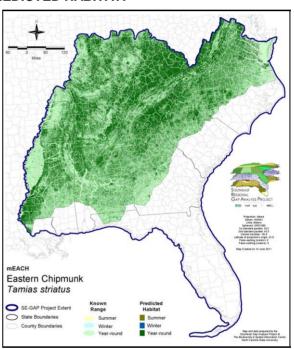
SE-GAP Spp Code: **mEACH** ITIS Species Code: 180207

NatureServe Element Code: AMAFB02230

KNOWN RANGE:

mEACH Eastern Chipmunk Tamias striatus Selegal Project Extent State Boundaries County Boundaries Summer Winter Veer-ound

PREDICTED HABITAT:



Range Map Link: http://www.basic.ncsu.edu/segap/datazip/maps/SE_Range_mEACH.pdf
Predicted Habitat Map Link: http://www.basic.ncsu.edu/segap/datazip/maps/SE_Dist_mEACH.pdf
GAP Online Tool Link: http://www.gapserve.ncsu.edu/segap/segap/index2.php?species=mEACH
Data Download: http://www.basic.ncsu.edu/segap/datazip/region/vert/mEACH_se00.zip

PROTECTION STATUS:

Reported on March 14, 2011

Federal Status: ---

State Status: FL (SSC), KY (N), MS (Non-game species in need of management), NJ (S), NY (U), RI (Not Listed), QC (Non suivie)

NS Global Rank: G5

NS State Rank: AL (S5), AR (S4), CT (S5), DC (S5), DE (S5), FL (S2), GA (S5), IA (S5), IL (S5), IN (S4), KS (S1), KY (S5), LA (S3S4), MA (S5), MD (S5), ME (S5), MI (S5), MN (SNR), MO (SNR), MS (S5), NC (S5), ND (SNR), NE (S1), NH (S5), NJ (S5), NY (S5), OH (SNR), OK (S4), PA (S5), RI (S5), SC (SNR), SD (S3), TN (S5), VA (S5), VT (S5), WI (S5), WV (S5), MB (S5), NF (SNA), NS (S5), ON (S5), PE (S5), QC (S5)

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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	15,555.1	< 1	30,324.1	< 1	0.0	0	0.0	0
Status 2	22,697.4	< 1	343,336.3	< 1	0.0	0	2,878.2	< 1
Status 3	2,440.1	< 1	1,866,921.7	5	49,511.3	< 1	241,137.2	< 1
Status 4	40.5	< 1	0.0	0	0.0	0	315.9	< 1
Total	40,733.0	< 1	2,240,582.0	6	49,511.3	< 1	244,331.3	< 1
	US Dept. of Energy		US Nat. Park Service		NOAA		Other Federal Lands	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	285,918.3	< 1	0.0	0	0.0	0
Status 2	0.0	0	11,334.0	< 1	28.0	< 1	0.0	0
Status 3	9,809.3	< 1	113,300.0	< 1	0.0	0	616.8	< 1
Status 4	0.0	0	0.0	0	0.0	0	0.0	0
Total	9,809.3	< 1	410,552.3	1	28.0	< 1	616.8	< 1
	Native Am. Reserv.		State Park/Hist. Park		State WMA/Gameland		State Forest	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	1,195.1	< 1	71.5	< 1	0.0	0
Status 2	0.0	0	16,938.3	< 1	333,638.3	< 1	1,418.0	< 1
Status 3	24,246.0	< 1	113,401.8	< 1	106,165.8	< 1	45,909.5	< 1
Status 4	0.0	0	0.0	0	62,911.3	< 1	10.1	< 1
Total	24,246.0	< 1	131,535.2	< 1	502,786.8	1	47,337.7	< 1
ĺ	State Coastal Reserve		ST Nat.Area/Preserve		Other State Lands		Private Cons. Easemt.	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	11,690.2	< 1	0.0	0	0.0	0
Status 2	8.5	< 1	45,022.0	< 1	2.5	< 1	1,131.9	< 1
Status 3	0.0	0	4,084.5	< 1	3,418.3	< 1	5,055.5	< 1
Status 4	0.0	0	2.1	< 1	1,419.3	< 1	0.0	0
Total	8.5	< 1	60,798.7	< 1	4,840.1	< 1	6,187.4	< 1
ĺ	Private Land - I	No Res.		Water			Overa	ıll Total
	ha	%	ha	%			ha	%
Status 1	0.0	0	0.0	0			344,754.2	< 1
Status 2	0.0	0	0.0	0			778,433.3	2
Status 3	43.3	< 1	0.0	0			2,586,060.9	11
Status 4	33,430,594.6	85	14,333.2	< 1			33,572,497.7	86
Total	33,430,637.9	85	14,333.2	< 1			37,281,746.1	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.

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PREDICTED HABITAT MODEL(S):

Year-round Model:

Habitat Description:

Chipmunks are most often associated with deciduous and mixed forests, but they are also familiar inhabitants of manmade environments such as golf courses, parks, suburbs, backyards and gardens. Chipmunks seek out rock work, dilapidated buildings, large rotting logs, and thick underbrush in open forest, at forest edges or in other wooded or semi-open habitats. They are generally within 100 m of permanent streams (Jones 1992). Mean home range size is 0.03 to 0.40 ha (Snyder 1982). Burrows are often at the edge of rocks, near the bases of trees, or under edges of building. Nests are generally constructed below ground in an extensive burrow system. They breed from mid-March to early April and a second breeding period occurs from mid-July to mid-August involving young of the previous year. Gestation lasts 31 days. Litter size is 4-15 (3-5 most often) with one to two litters per year. They commonly live 2-3 years, sometimes 5-6 years. Stacy Smith, 17June05

Functional Group	Map Unit Name
Anthropogenic	Developed Open Space
Anthropogenic	Low Intensity Developed
Anthropogenic	Medium Intensity Developed
Anthropogenic	Successional Shrub/Scrub (Clear Cut)
Anthropogenic	Successional Shrub/Scrub (Other)
Anthropogenic	Successional Shrub/Scrub (Utility Swath)
Bald	Central Appalachian Montane Rocky Bald - Herbaceous Modifier
Bald	Central Appalachian Montane Rocky Bald - Shrub Modifier
Bald	Southern Appalachian Grass and Shrub Bald - Herbaceous Modifier
Bald	Southern Appalachian Grass and Shrub Bald - Shrub Modifier
Forest/Woodland	Allegheny-Cumberland Dry Oak Forest and Woodland
Forest/Woodland	Allegheny-Cumberland Dry Oak Forest and Woodland - Hardwood Modifier
Forest/Woodland	Appalachian Hemlock-Hardwood Forest
Forest/Woodland	Atlantic Coastal Plain Dry and Dry-Mesic Oak Forest
Forest/Woodland	Atlantic Coastal Plain Fall-line Sandhills Longleaf Pine Woodland - Offsite Hardwood Modifier
Forest/Woodland	Atlantic Coastal Plain Mesic Hardwood and Mixed Forest
Forest/Woodland	Atlantic Coastal Plain Northern Mixed Oak-Heath 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	Central Appalachian Pine-Oak Rocky 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 Upland Longleaf Pine Woodland - Offsite Hardwood Modifier
Forest/Woodland	East Gulf Coastal Plain Limestone 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	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	Southern and Central Appalachian Cove Forest
Forest/Woodland	Southern and Central Appalachian Oak Forest
Forest/Woodland	Southern and Central Appalachian Oak Forest - Xeric
Forest/Woodland	Southern Appalachian Montane Pine Forest and Woodland

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Forest/Woodland	Southern Interior Low Plateau Dry-Mesic Oak Forest - Evergreen Modifier
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

CITATIONS:

Allen, E.G. 1938. The habits and life history of the eastern chipmunk (Tamias striatus lysteri). 122 pp.

Baker, Rollin H. 1983. Michigan mammals. Michigan State University Press. 642

Caire, W., J. D. Tyler, B. P. Glass, and M. A. Mares. Z. Marsh (illustrator). 1989. Mammals of Oklahoma. University of Oklahoma Press, Norman. Oklahoma. 567 pp.

Elliot, L. 1978. Social behavior and foraging ecology of theeastern chipmunk (Tamias striatus) in the Adirondack Mts. Smithsonian Contrib. to Zool. No. 265. 107 pp.

Godin, A.J. 1977. Wild Mammals of New England. Johns Hopkins University Press, Baltimore. 304 pp.

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

Jones, J. K., Jr., et al. 1992. Revised checklist of North American mammals north of Mexico, 1991. Occas. Pap. Mus., Texas Tech Univ. (146):1-23.

Lacki, M. J., M. J. Gregory, and P. K. Williams. 1984. Summer activity of Tamias striatus in response to supplemental food. J. Mamm. 65:521-524

Layne, J. N., editor. 1978. Rare and endangered biota of Florida. Vol. 1. Mammals. State of Florida Game and Freshwater Fish Commission. xx + 52 pp.

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.

Mirarchi, Ralph E. editor. 2004. Alabama wildlife. Volume 1: A Checklist of Vertebrates and Selected Invertebrates: Aquatic Mollusks, Fishes, Amphibians, Reptiles, Birds, and Mammals. The University of Alabama Press, Tuscaloosa, Alabama. viii + 209 p.

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

Snyder, D.P. 1982. Tamias striatus. Am. Soc. Mamm., Mammalian Species No. 168 8 pp.

Tryon, C.A. and D.P. Snyder. 1973. Biology of the eastern chipmunk, TAMIAS STRIATUS:Life tables, age distributions, and trends in population numbers. J. Mammalogy, 54(1):145-189.

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.

Wishner, L. 1982. Eastern chipmunks. Secrets of their solitary lives. Smithsonian Inst. Press, Washington, D.C. 144 pp.

Yahner, R.H. 1978. The adaptive nature of the social system and behavior in eastern chipmunk, Tamias striatus. Beh. Ecol. and Sociobiol. 3:397-427.

Yerger, R.W. 1953. Home range, territoriality and populations of the chipmunk in central New York. J. Mamm. 34(4):448-458.

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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

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