

# MAMMALS



## southern bog lemming (*Synaptomys cooperi*)

**DISTRIBUTION & ABUNDANCE:** The distribution of southern bog lemmings is spotty throughout the State and is subject to dramatic population fluctuations. Little is known about long term population trends.

**ASSOCIATED LANDSCAPE FEATURES:** idle/old field; pasture; savanna; lowland shrub; upland shrub; lowland hardwood; mesic hardwood; dry hardwood; lowland conifer; mesic conifer; dry conifer; forest opening; bog; ephemeral wetland; other (clear cut; conflicting literature; recent studies suggest they avoid clear-cut); down woody debris

**ASSOCIATED THREATS:** industrial/residential/recreational development; fragmentation; invasive plants & animals; forestry practices; non-consumptive recreation; other biological interactions (coyote predation; displacement by meadow voles if they are increasing)

**COMMENTS:** Need more information on long-term trends. Good indicator species for certain kinds of wetlands. This species avoids roads and trails, which likely makes it susceptible to habitat fragmentation. Predation by house cats (including feral cats), dogs, and coyotes may pose a significant threat to this species. Displacement by meadow voles may be a problem.