





# **Seminole Bat**

Lasiurus seminolus

Taxa: Mammalian
Order: Chiroptera
Family: Vespertilionidae

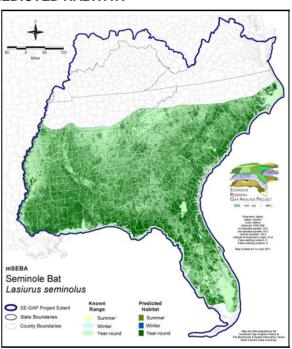
SE-GAP Spp Code: **mSEBA** ITIS Species Code: 180020

NatureServe Element Code: AMACC05020

### **KNOWN RANGE:**

# mseba Seminole Bat Lasiurus seminolus Sendaries Courty Boundaries Summer Winter Year-ound Sate Boundaries Summer Winter Wear-ound

### PREDICTED HABITAT:



Range Map Link: <a href="http://www.basic.ncsu.edu/segap/datazip/maps/SE\_Range\_mSEBA.pdf">http://www.basic.ncsu.edu/segap/datazip/maps/SE\_Range\_mSEBA.pdf</a>
Predicted Habitat Map Link: <a href="http://www.basic.ncsu.edu/segap/datazip/maps/SE\_Dist\_mSEBA.pdf">http://www.basic.ncsu.edu/segap/datazip/maps/SE\_Dist\_mSEBA.pdf</a>
GAP Online Tool Link: <a href="http://www.gapserve.ncsu.edu/segap/segap/index2.php?species=mSEBA">http://www.gapserve.ncsu.edu/segap/segap/index2.php?species=mSEBA</a>
Data Download: <a href="http://www.basic.ncsu.edu/segap/datazip/region/vert/mSEBA">http://www.basic.ncsu.edu/segap/datazip/region/vert/mSEBA</a> se00.zip

# **PROTECTION STATUS:**

Reported on March 14, 2011

Federal Status: ---

State Status: KY (N), MS (Non-game species in need of management), NC (W2), NC (W2), NY (U), OK (Category II)

NS Global Rank: G5

NS State Rank: AL (S4S5), AR (S3), FL (SNR), GA (S5), KY (SNA), LA (S4), MO (SNA), MS (SNR), NC (S3S4B), NC (S3S4B),

NY (SNA), OK (S1), PA (SNA), SC (SNR), TX (S3), VA (SNA)

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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	68,440.8	< 1	8,842.1	< 1	0.0	0	0.0	0
Status 2	205,139.0	< 1	85,038.8	< 1	0.0	0	740.7	< 1
Status 3	539.9	< 1	1,266,364.3	3	13,397.4	< 1	561,552.7	1
Status 4	34.7	< 1	< 0.1	< 1	0.0	0	0.0	0
Total	274,154.3	< 1	1,360,245.2	4	13,397.4	< 1	562,293.4	1
	US Dept. of Energy		US Nat. Park Service		NOAA		Other Federal Lands	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	31,907.8	< 1	152.6	< 1	16,953.3	< 1
Status 2	0.0	0	14,236.8	< 1	19,070.4	< 1	84.9	< 1
Status 3	71,019.7	< 1	120,475.1	< 1	0.0	0	5,509.4	< 1
Status 4	0.0	0	1.0	3	0.0	0	0.0	0
Total	71,019.7	< 1	166,621.2	< 1	19,222.9	< 1	22,547.6	< 1
	Native Am.	Reserv.	State Park/His	st. Park	State WMA/Ga	meland	State	Forest
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	604.4	< 1	2.3	< 1	0.0	0
Status 2	0.0	0	4,167.4	< 1	460,104.8	1	0.0	0
Status 3	9,122.2	< 1	539,030.3	1	136,961.8	< 1	378,005.1	< 1
Status 4	0.0	0	< 0.1	< 1	87,429.6	< 1	43.1	< 1
Total	9,122.2	< 1	543,802.1	1	684,498.5	2	378,048.2	<1
	State Coastal Reserve		ST Nat.Area/Preserve		Other State Lands		Private Cons. Easemt.	
	ha	%	ha	%	ha	%	ha	.use %
Status 1	0.0	0	4,177.1	< 1	0.0	0	0.0	0
Status 2	15,395.8	< 1	41,315.1	< 1	0.0	0	2,542.6	< 1
Status 3	0.0	0	21,955.9	< 1	28,680.8	< 1	120,341.8	<1
Status 4	0.0	0	0.0	0	2,376.8	< 1	0.0	0
Total	15,395.8	<1	67,448.1	< 1	31,057.7	<1	122,884.4	< 1
	Private Land - I	No Res		Water		ı	Overa	ıll Total
	ha	% %	ha	water %			ha	10tai %
Status 1	0.0	0	0.0	0			131,080.3	< 1
Status 2	< 0.1	< 1	0.0	4			847,836.4	2
Status 3	1,054.8	<1	1.1	< 1			3,274,012.3	12
Status 4	32,923,214.9	85	39,621.1	<1			33,140,116.8	86
Total	32,923,214.9	85	39,621.1	<1			37,393,045.7	100
i Utai	32,324,203.8	65	33,022.3	<b>^1</b>			31,333,043.7	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:

Lasiurus seminolus is a forest dwelling bat, roosting among the foliage of trees and shrubs (Whitaker and Hamilton 1998). Many roosts have been found at the edge or near clearings, or bordering lakes and streams, where Spanish moss or dense clumps of foliage are commonly used for concealment (Webster et al. 1985, Brown 1997). This species prefers cypress forests and other hydric woodlands (Brown 1997) with roosts typically in pines, primarily loblolly (Menzel et al. 2003). It occurs in wooded habitats including Okeefenokee, uplands, prairies, shrub swamps, blackgum forest, bay forest, cypress, and mixed cypress. In Florida habitat includes pine flatwoods, scrubby flatwoods, hammocks, lowland forests, river swamps, and longleaf-turkey oak. Forage at treetop level over watercourses, barren, clearings, prairies, and hammocks (Wilkins 1987). Seminole bats identifed as utilizing pine plantations in MS (Miller 2003) Amy Silvano 20jun05

Ecosystem classifiers: Mixed & Pine Xeric, Evergreen, Mixed & Maritime Forests, Glades & barrens, Antro, Tidal wooded swamps, Flatwoods, Swamps, scrub/shrub, Depressional (Treed & shrub only), Floodplain/riparian (No herb mods), prairie. Amy Silvano 20jun05

Functional Group	Map Unit Name				
Anthropogenic	Developed Open Space				
Anthropogenic	Low Intensity Developed				
Anthropogenic	Successional Shrub/Scrub (Clear Cut)				
Anthropogenic	Successional Shrub/Scrub (Other)				
Anthropogenic	Successional Shrub/Scrub (Utility Swath)				
Brackish Tidal Marsh & Wetland	Atlantic Coastal Plain Northern Tidal Wooded Swamp				
Brackish Tidal Marsh & Wetland	Atlantic Coastal Plain Southern Tidal Wooded Swamp				
Brackish Tidal Marsh & Wetland	East Gulf Coastal Plain Tidal Wooded Swamp				
Brackish Tidal Marsh & Wetland	South Florida Mangrove Swamp				
Forest/Woodland	Alabama Ketona Glade and Woodland				
Forest/Woodland	Allegheny-Cumberland Dry Oak Forest and Woodland - Pine Modifier				
Forest/Woodland	Appalachian Shale Barrens				
Forest/Woodland	Atlantic Coastal Plain Central Maritime Forest				
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 Northern Maritime Forest				
Forest/Woodland	Atlantic Coastal Plain Northern Mixed Oak-Heath Forest				
Forest/Woodland	Atlantic Coastal Plain Southern Maritime Forest				
Forest/Woodland	Atlantic Coastal Plain Upland Longleaf Pine Woodland				
Forest/Woodland	Central Appalachian Alkaline Glade and Woodland				
Forest/Woodland	Central Appalachian Oak and Pine Forest				
Forest/Woodland	Central Appalachian Pine-Oak Rocky Woodland				
Forest/Woodland	Central Interior Highlands Calcareous Glade and Barrens				
Forest/Woodland	Central Interior Highlands Dry Acidic Glade and Barrens				
Forest/Woodland	Cumberland Sandstone Glade and Barrens				
Forest/Woodland	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland - Woodland 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 - 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	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland - Juniper Modifier				

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Forest/Woodland Florida Longleaf Pine Sandhill - Scrub/Shrub Understory Modifier

Forest/Woodland Florida Peninsula Inland Scrub
Forest/Woodland Mississippi Delta Maritime Forest

Forest/Woodland Northeastern Interior Dry Oak Forest - Mixed Modifier

Forest/Woodland Northeastern Interior Dry Oak Forest - Virginia/Pitch Pine Modifier
Forest/Woodland Ridge and Valley Calcareous Valley Bottom Glade and Woodland

Forest/Woodland South Florida Pine Rockland

Forest/Woodland Southeast Florida Coastal Strand and Maritime Hammock

Forest/Woodland Southeastern Interior Longleaf Pine Woodland

Forest/Woodland Southern and Central Appalachian Mafic Glade and Barrens

Forest/Woodland Southern Appalachian Low Mountain Pine Forest Forest/Woodland Southern Coastal Plain Oak Dome and Hammock

Forest/Woodland Southern Piedmont Dry Oak-(Pine) Forest - Loblolly Pine Modifier
Forest/Woodland Southern Piedmont Dry Oak-(Pine) Forest - Mixed 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 Glade and Barrens

Forest/Woodland Southern Ridge and Valley Dry Calcareous Forest - Pine Modifier

Forest/Woodland Southwest Florida Coastal Strand and Maritime Hammock

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 Southern Ridge and Valley Patch Prairie
Prairie Western Highland Rim Prairie and Barrens

Wetlands Atlantic Coastal Plain Blackwater Stream Floodplain Forest - Forest Modifier

Wetlands Atlantic Coastal Plain Brownwater Stream Floodplain Forest
Wetlands Atlantic Coastal Plain Clay-Based Carolina Bay Forested Wetland

Wetlands Atlantic Coastal Plain Nonriverine Swamp and Wet Hardwood Forest - Taxodium/Nyssa Modifier
Wetlands Atlantic Coastal Plain Nonriverine Swamp and Wet Hardwood Forest - Oak Dominated Modifier

Wetlands Atlantic Coastal Plain Northern Basin Peat Swamp

Wetlands Atlantic Coastal Plain Northern Basin Swamp and Wet Hardwood Forest
Wetlands Atlantic Coastal Plain Northern Wet Longleaf Pine Savanna and Flatwoods

Wetlands Atlantic Coastal Plain Peatland Pocosin

Wetlands Atlantic Coastal Plain Small Blackwater River Floodplain Forest
Wetlands Atlantic Coastal Plain Small Brownwater River Floodplain Forest
Wetlands Atlantic Coastal Plain Southern Wet Pine Savanna and Flatwoods
Wetlands Atlantic Coastal Plain Streamhead Seepage Swamp, Pocosin, and Baygall

Wetlands Central Appalachian Floodplain - Forest Modifier
Wetlands Central Appalachian Riparian - Forest Modifier

Wetlands Central Florida Pine Flatwoods

Wetlands Central Interior Highlands and Appalachian Sinkhole and Depression Pond

Wetlands Cumberland Riverscour

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 Jackson Plain Dry Flatwoods - Scrub/Shrub Understory Modifier

Wetlands East Gulf Coastal Plain Large River Floodplain Forest - Forest Modifier

Wetlands East Gulf Coastal Plain Near-Coast Pine Flatwoods - Offsite Hardwood Modifier

Wetlands East Gulf Coastal Plain Near-Coast Pine Flatwoods - Open Understory Modifier

Wetlands East Gulf Coastal Plain Near-Coast Pine Flatwoods - Scrub/Shrub Understory Modifier

Wetlands East Gulf Coastal Plain Northern Seepage Swamp

Wetlands East Gulf Coastal Plain Small Stream and River Floodplain Forest

Wetlands	East Gulf Coastal Plain Southern Loblolly-Hardwood Flatwoods	
Wetlands	East Gulf Coastal Plain Treeless Savanna and Wet Prairie	
Wetlands	Lower Mississippi River Bottomland and Floodplain Forest	
Wetlands	Lower Mississippi River Bottomland Depressions - Forest Modifier	
Wetlands	Mississippi River Low Floodplain (Bottomland) Forest	
Wetlands	Mississippi River Riparian Forest	
Wetlands	South Florida Bayhead Swamp	
Wetlands	South Florida Cypress Dome	
Wetlands	South Florida Dwarf Cypress Savanna	
Wetlands	South Florida Hardwood Hammock	
Wetlands	South Florida Pine Flatwoods	
Wetlands	South Florida Pond-Apple/Popash Slough	
Wetlands	South Florida Wet Marl Prairie	
Wetlands	South-Central Interior Large Floodplain - Forest Modifier	
Wetlands	South-Central Interior Small Stream and Riparian	
Wetlands	South-Central Interior/Upper Coastal Plain Wet Flatwoods	
Wetlands	Southern and Central Appalachian Bog and Fen	
Wetlands	Southern Coastal Plain Blackwater River Floodplain Forest	
Wetlands	Southern Coastal Plain Hydric Hammock	
Wetlands	Southern Coastal Plain Nonriverine Basin Swamp	
Wetlands	Southern Coastal Plain Nonriverine Cypress Dome	
Wetlands	Southern Coastal Plain Seepage Swamp and Baygall	
Wetlands	Southern Piedmont Large Floodplain Forest - Forest Modifier	
Wetlands	Southern Piedmont Seepage Wetland	
Wetlands	Southern Piedmont Small Floodplain and Riparian Forest	
Wetlands	Southern Piedmont/Ridge and Valley Upland Depression Swamp	
Wetlands	Western Highland Rim Seepage Fen	
Selected Secondary Map U	Inits within 1000m of Primary Map Units:	

Functional Group	Map Unit Name
Forest/Woodland	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest - Offsite Pine Modifier
Anthropogenic	Evergreen Plantations

## **CITATIONS:**

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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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