



# SOUTHEAST GAP ANALYSIS PROJECT



## Species Modeling Report

### Henslow's Sparrow

*Ammodramus henslowii*

Taxa: Avian

Order: Passeriformes

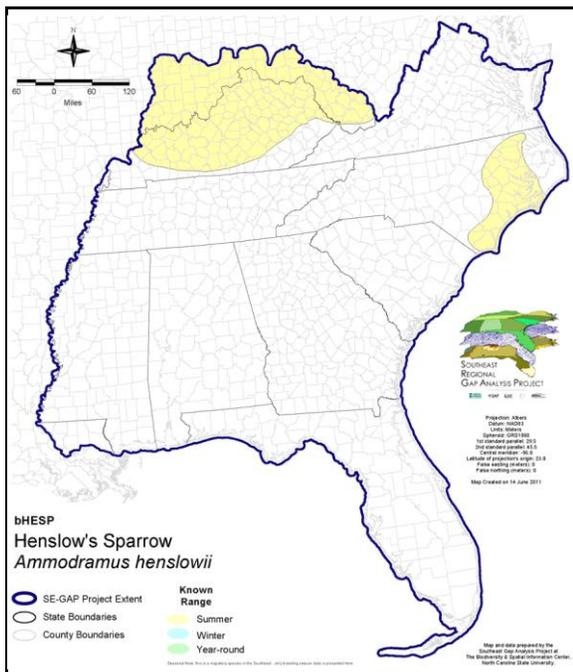
Family: Emberizidae

SE-GAP Spp Code: **bHESP**

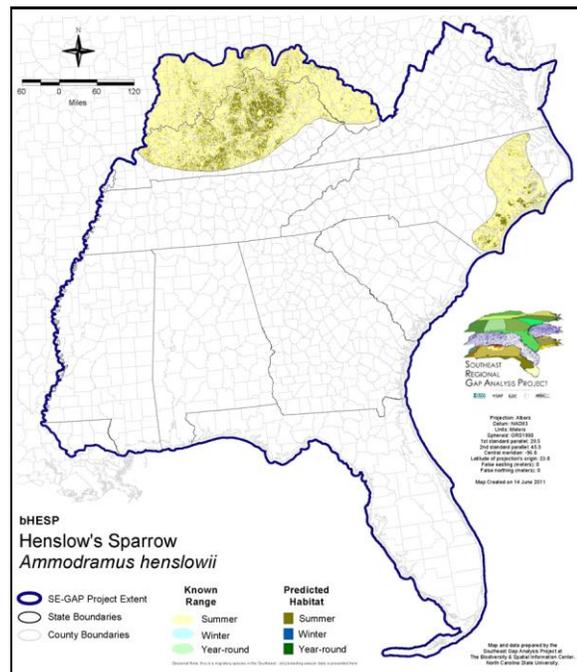
ITIS Species Code: 179340

NatureServe Element Code: ABPBXA0030

#### KNOWN RANGE:



#### PREDICTED HABITAT:



Range Map Link: [http://www.basic.ncsu.edu/segap/datazip/maps/SE\\_Range\\_bHESP.pdf](http://www.basic.ncsu.edu/segap/datazip/maps/SE_Range_bHESP.pdf)

Predicted Habitat Map Link: [http://www.basic.ncsu.edu/segap/datazip/maps/SE\\_Dist\\_bHESP.pdf](http://www.basic.ncsu.edu/segap/datazip/maps/SE_Dist_bHESP.pdf)

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

Data Download: [http://www.basic.ncsu.edu/segap/datazip/region/vert/bHESP\\_se00.zip](http://www.basic.ncsu.edu/segap/datazip/region/vert/bHESP_se00.zip)

#### PROTECTION STATUS:

Reported on March 14, 2011

Federal Status: ---

State Status: CT (SC\*), DE (E), DE (E), GA (R), IA (T), IL (RT), IN (SE), IN (SE), KS (C), KY (S), MA (E), MD (T), MI (E), MN (END), NJ (E), NY (T), OH (SC), RI (State Historical), TN (D), VA (LT), VT (E), VT (E), WI (THR), WI (THR), ON (END), QC (Non suivie)

NS Global Rank: G4

NS State Rank: AL (S2N), AR (S1B,S2N), CO (SNA), CT (SHB,SHN), DC (S2S3N), DE (SHB,S1N), DE (SHB,S1N), FL (SNRN), GA (S2), IA (S3B,S2N), IL (S2), IN (S3B), IN (S3B), KS (S3B), KY (S3B), LA (S3N), MA (S1B), MD (S1S2B), ME (SNA), MI (S2S3), MN (S1B), MO (S3), MS (S3N), NC (S2B,S1N), ND (SNA), NE (S2), NH (SHB), NJ (S1B,S1N), NY (S3B), OH (S4), OK (S2), PA (S4B), RI (SX), SC (SNA), SD (S1B), SD (S1B), TN (S1B), TX (S2S3N,SXB), TX (S2S3N,SXB), VA (S1B), VT (S1B), VT (S1B), WI (S3B), WI (S3B), WV (S3B), MB (SNA), NS (SNA), ON (SHB), QC (S3B)

**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	8,872.0	< 1	0.2	< 1	0.0	0	0.0	0
Status 2	1,666.8	< 1	5.3	< 1	0.0	0	0.0	0
Status 3	0.0	0	33,282.6	2	0.0	0	16,311.9	< 1
Status 4	0.0	0	0.0	0	0.0	0	0.0	0
Total	10,538.8	< 1	33,288.1	2	0.0	0	16,311.9	< 1
	US Dept. of Energy		US Nat. Park Service		NOAA		Other Federal Lands	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	15.6	< 1	283.8	< 1	0.0	0
Status 2	0.0	0	4,045.8	< 1	1,102.1	< 1	0.0	0
Status 3	0.0	0	0.2	< 1	0.0	0	2,018.6	< 1
Status 4	0.0	0	0.0	0	0.0	0	0.0	0
Total	0.0	0	4,061.5	< 1	1,385.9	< 1	2,018.6	< 1
	Native Am. Reserv.		State Park/Hist. Park		State WMA/Gameland		State Forest	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	0.0	0	0.0	0	0.0	0
Status 2	0.0	0	0.0	0	36,694.7	2	0.0	0
Status 3	0.0	0	1,924.8	< 1	7,838.4	< 1	0.0	0
Status 4	0.0	0	0.0	0	183.5	< 1	0.0	0
Total	0.0	0	1,924.8	< 1	44,716.6	2	0.0	0
	State Coastal Reserve		ST Nat.Area/Preserve		Other State Lands		Private Cons. Easemt.	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	35.6	< 1	0.0	0	0.0	0
Status 2	2.5	< 1	1,655.5	< 1	0.0	0	0.0	0
Status 3	0.0	0	0.0	0	499.7	< 1	0.0	0
Status 4	0.0	0	0.0	0	0.0	0	0.0	0
Total	2.5	< 1	1,691.0	< 1	499.7	< 1	0.0	0
	Private Land - No Res.		Water		Overall Total			
	ha	%	ha	%	ha	%		
Status 1	0.0	0	0.0	0	9,207.1	< 1		
Status 2	0.0	0	0.0	0	45,172.7	2		
Status 3	0.0	0	0.0	0	61,876.2	4		
Status 4	1,995,660.2	93	223.8	< 1	1,996,251.0	93		
Total	1,995,660.2	93	223.8	< 1	2,112,507.0	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):

### Summer Model:

Habitat Description: "Historically, populations along Atlantic Coast found to inhabit coastal marshes, swamps, dry fields, salt marshes, low wet meadows, upland weedy hayfields or pastures and in NC, clearcut pocosins... As native habitats declined, species moved into additional habitats, in particular cultivated hay fields.... In general, habitat can be characterized as relatively large fields consisting of tall, dense grass, a well-developed litter layer, standing dead vegetation and sparse or no woody vegetation." (quoted from Herkert et al. 2002) M. Rubino, 12jan05.

Contiguous Patch Minimum Size (hectares): 30

### 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)
Anthropogenic	Successional Shrub/Scrub (Clear Cut)
Anthropogenic	Successional Shrub/Scrub (Other)
Anthropogenic	Successional Shrub/Scrub (Utility Swath)
Brackish Tidal Marsh & Wetland	Atlantic Coastal Plain Central Salt and Brackish Tidal Marsh
Brackish Tidal Marsh & Wetland	Atlantic Coastal Plain Embayed Region Tidal Salt and Brackish Marsh
Coastal Dune & Freshwater Wetland	Atlantic Coastal Plain Southern Dune and Maritime Grassland
Freshwater Tidal Marsh & Wetland	Atlantic Coastal Plain Central Fresh-Oligohaline Tidal Marsh
Freshwater Tidal Marsh & Wetland	Atlantic Coastal Plain Embayed Region Tidal Freshwater Marsh
Prairie	Bluegrass Basin Savanna and Woodland
Prairie	East Gulf Coastal Plain Jackson Plain Prairie and Barrens
Prairie	East Gulf Coastal Plain Jackson Prairie and Woodland
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 Northern Wet Longleaf Pine Savanna and Flatwoods
Wetlands	Atlantic Coastal Plain Peatland Pocosin
Wetlands	Atlantic Coastal Plain Streamhead Seepage Swamp, Pocosin, and Baygall

**CITATIONS:** American Ornithologists' Union (AOU), Committee on Classification and Nomenclature. 1983. Check-list of North American Birds. Sixth Edition. American Ornithologists' Union, Allen Press, Inc., Lawrence, Kansas.

Bent, A. C. 1968. Life histories of North American cardinals, grosbeaks, buntings, towhees, finches, sparrows, and allies. Bull. U.S. Nat. Mus. 237.

Bull, J. 1974. Birds of New York state. Doubleday/Natural History Press, Garden City, New York. Reprint, 1985 (with Supplement, Federation of New York Bird Clubs, 1976), Cornell Univ. Press, Ithaca, New York.

Byrd, M.A., and D.W. Johnston. 1991. Birds. Pages 477-537 in K. Terwilliger, coordinator. Virginia's endangered species: proceedings of a symposium. McDonald and Woodward Publ. Co., Blacksburg, Virginia.

Carter, M., G. Fenwick, C. Hunter, D. Pashley, D. Petit, J. Price, and J. Trapp. 1996. Watchlist 1996: For the future. Field Notes 50(3):238-240.

Craig, R.J. 1979. The rare vertebrates of Connecticut. USDA. Soil Conservation Service. Storrs, Connecticut. 69 pp.

Ehrlich, P.R., D.S. Dobkin, and D. Wheye. 1988. The birder's handbook: a field guide to the natural history of North American birds. Simon and Shuster, Inc., New York. xxx + 785 pp.

Ehrlich, P.R., D.S. Dobkin, and D. Wheye. 1992. Birds in jeopardy: the imperiled and extinct birds of the United States and Canada, including Hawaii and Puerto Rico. Stanford University Press, Stanford, California. 259 pp.

Fall, B. A., and R. D. Eliason. 1982. Henslow's sparrow nest, Hennepin County. Loon 54:192.

Figg, D.E. 1991. Missouri Department of Conservation annual nongame and endangered species report July 1990 - June 1991. ii + 35 pp.

Graber, J. W. 1968. PASSERBERBULUS HENSLOWII HENSLOWII. Pages 779-88 in Bent, A. C. Life Histories of North American Cardinals, Grosbeaks, Buntings, Towhees, Finches, Sparrows, and Allies. Part 2. U.S. National Museum Bulletin 237:603-1248.

- Hall, G.A. 1983. West Virginia birds:distribution and ecology. Spec. Publ. Carnegie Mus. Nat. Hist. No. 7, Pittsburgh. 180 pp.
- Hamel, P. B. 1992. The land manager's guide to the birds of the south. The Nature Conservancy, Chapel Hill, North Carolina. 367 pp + several appendices.
- Hands, H.M., R.D. Drobney, and M.R. Ryan. 1989. Status of the Henslow's sparrow in the northcentral United States. Missouri Coop. Fish Wildl. Res. Unit Rep. 12 pp.
- Harrison, C. 1978. A field guide to the nests, eggs and nestlings of North American birds. Collins, Cleveland, Ohio.
- Harrison, H.H. 1979. A field guide to western birds' nests. Houghton Mifflin Company, Boston. 279 pp.
- Herkert, J. R., editor. 1992. Endangered and threatened species of Illinois:status and distribution. Vol. 2:Animals. Illinois Endangered Species Protection Board. iv + 142 pp.
- Herkert, J. R., P. D. Vickery, and D. E. Kroodsmas. 2002. Henslow's Sparrow (*Ammodramus henslowii*). In *The Birds of North America*, No. 672 (A. Poole and F. Gill, eds.). The Birds of North America, Inc., Philadelphia, PA.
- Herkert, J.R. 1994. Status and habitat selection of the Henslow's sparrow in Illinois. *Wilson Bulletin* 106:35-45.
- Hyde, A. S. 1939. The life history of Henslow's sparrow, *PASSERHERBULUS HENSLOWII* (Audubon). University of Michigan Museum of Zoology. Misc. Pub. No. 41. 72. pp.
- Johnsgard, P. A. 1979. Birds of the Great Plains:breeding species and their distribution. Univ. Nebraska Press, Lincoln. 539 pp.
- Lynch, J.M., and H.E. Legrand, Jr. 1989. Breeding Season Birds of Long Hope Creek Valley, Watauga and Ashe Counties, NC. *The Chat*. 53:29-35.
- Mengel, R. M. 1965. The birds of Kentucky. *Ornithol. Monogr.* No. 3. 581 pp.
- Palmer-Ball, B.L., Jr. 1996. The Kentucky Breeding Bird Atlas. The University Press of Kentucky, Lexington.
- Peterson, A. 1983. Observations on habitat selection by Henslow's sparrow in Broome County, New York. *Kingbird* 33:155-164.
- Potter, E. F., J. F. Parnell, and R. P. Teulings. 1980. Birds of the Carolinas. Univ. North Carolina Press, Chapel Hill. 408 pp.
- Robbins, C.S., D. Bystrak, and P.H. Geissler. 1986. The Breeding Bird Survey:its first fifteen years. U.S. Fish and Wildlife Serv. Resource Publ. 157. iii + 196 pp.
- Robins, J. D. 1971. A study of Henslow's sparrow in Michigan. *The Wilson Bulletin* 83:39-48.
- Root, T. 1988. Atlas of wintering North American birds:An analysis of Christmas Bird Count data. University of Chicago Press. 336 pp.
- Skinner, R.M. 1975. Grassland use patterns and prairie bird populations in Missouri. Pp. 171-180 in:M.K. Wali (ed.). *Prairie:a multiple view*. Univ. of North Dakota Press, Grand Forks, ND. 433pp.
- Smith, C. R. 1992. Henslow's sparrow, *AMMODRAMUS HENSLOWII*. Pages 315-330 in K. J. Schneider and D. M. Pence, editors. *Migratory nongame birds of management concern in the Northeast*. U.S. Fish and Wildlife Service, Newton Corner, Massachusetts. 400 pp.
- Smith, D.J., and C.R. Smith. 1990. Summer bird species diversity and the use of pastures by summer birds of the Finger Lakes National Forest. U.S. Dept. of Agric., Forest Serv., Green Mountain Natl. Forest, Final Proj. Rep. P.O. No. 40-1681-9-0470, Middle
- Smith, D.J., and C.R. Smith. 1992. Henslow's sparrow and grasshopper sparrow:a comparison of habitat use in Finger Lakes National Forest, New York. *Bird Observer* 20(4):187-194.
- Smith, W. P. 1968. Eastern Henslow's sparrow. Pages 776-778 in O. L. Austin, Jr. *Life histories of North American cardinals, grosbeaks, bunting, towhees, finches, sparrows, and allies. Part Two*. U.S. National Museum Bulletin No. 237.
- Terres, J.K. 1980. The Audubon Society encyclopedia of North American birds. Alfred A. Knopf, New York.
- U. S. Fish and Wildlife Service, Office of Migratory Bird Management. 1987. *Migratory nongame birds of management concern in the United States:the 1987 list*.
- Whitney, N. R., B. E. Harrell, B. K. Harris, N. Holden, J. W. Johnson, B. H. Rose and P. F. Springer. 1978. The birds of South Dakota. South Dakota Ornithologists Union, Vermillion, South Dakota. 311 pp.
- Wiens, J.A. 1969. An approach to the study of ecological relationships among grassland birds. *Ornithological Monographs* No. 8:1-93.
- Zimmerman, J.L. 1988. Breeding season habitat selection by the Henslow's Sparrow (*AMMODRAMUS HENSLOWII*) in Kansas. *Wilson Bulletin* 100(1):17-24.
- Zimmerman, J.L. Division of Biology. Ackert Hall. Manhattan, KS 66506. (913) 532-6659.
- Zink, R.M., and J.C. Avise. 1990. Patterns of mitochondrial DNA and allozyme evolution in the avian genus *AMMODRAMUS*. *Syst. Zool.* 39:148-161.

For more information:: SE-GAP Analysis Project / BaSIC  
127 David Clark Labs  
Dept. of Biology, NCSU  
Raleigh, NC 27695-7617  
(919) 513-2853  
[www.basic.ncsu.edu/segap](http://www.basic.ncsu.edu/segap)

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.