



SOUTHEAST GAP ANALYSIS PROJECT



Species Modeling Report

Horned Lark

Eremophila alpestris

Taxa: Avian

Order: Passeriformes

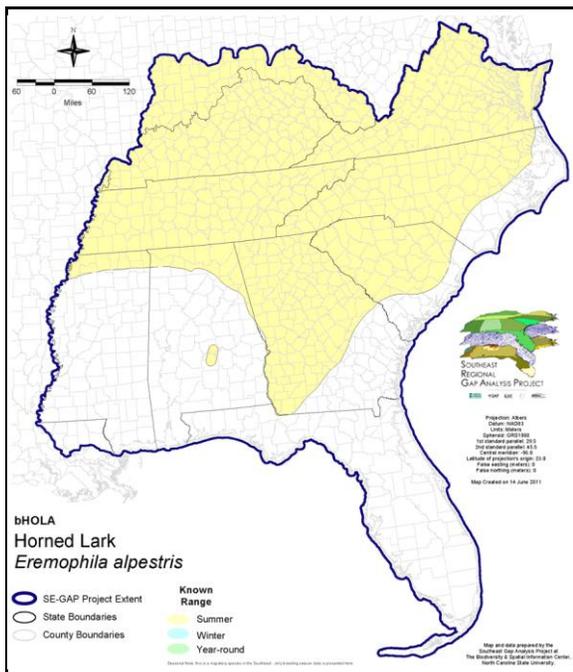
Family: Alaudidae

SE-GAP Spp Code: **bHOLA**

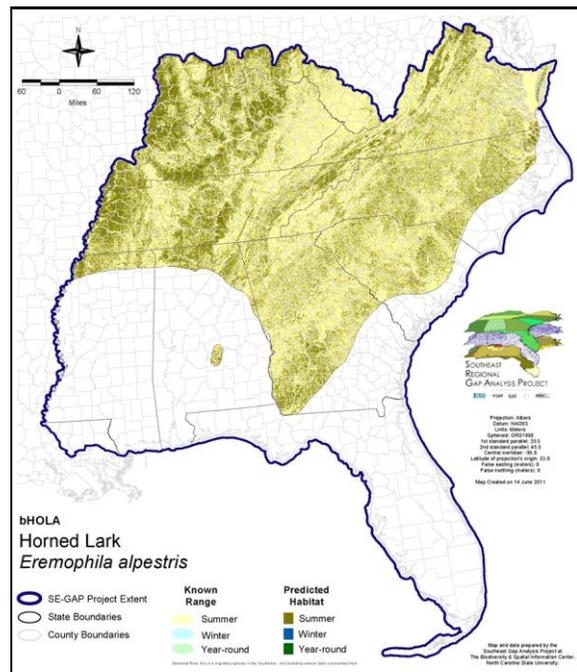
ITIS Species Code: 554256

NatureServe Element Code: ABPAT02010

KNOWN RANGE:



PREDICTED HABITAT:



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

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

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

Data Download: http://www.basic.ncsu.edu/segap/datazip/region/vert/bHOLA_se00.zip

PROTECTION STATUS:

Reported on March 14, 2011

Federal Status: ---

State Status: CT (E), CT (E), ID (P), KY (N), ME (SC(B)), NH (SC), NJ (SC/SC), NV (YES), NY (SC), RI (Concern), UT (None), WA (E-Part), BC (4 (2005)), QC (Non suivie)

NS Global Rank: G5

NS State Rank: AK (S5B), AL (S3B,S4N), AR (S4), AZ (S5), CA (SNR), CO (S5B), CO (S5B), CT (S1B), CT (S1B), DC (S2N), DE (S5), FL (SNA), GA (S3S4), IA (S5B,S5N), ID (S5), IL (S5), IN (S5), KS (S5), KY (S4B,S4S5N), LA (S3B,S4N), MA (S3B,S4N), MD (S4B,S4N), ME (S3B,S3S4N), MI (S5), MN (SNRB,SNRN), MO (SNR), MS (S5B,S5N), MT (S5), NC (S4B,S4N), ND (SNRB), NE (S5), NH (S3B), NJ (S3B,S3N), NM (S5B,S5N), NV (S5), NY (S3S4), OH (S5), OK (S5), OR (S5), PA (S4B,S5N), RI (S1B), SC (SNRB,SNRN), SD (S5B,S5N), TN (S4), TX (S5B), UT (S5), VA (S4), VT (S4B,S5N), WA (S4S5B), WI (S5B), WI (S5B), WV (S2B,S3N), WY (S5B,S5N), AB (S5), BC (S4S5B), LB (S5B), MB (S3B), MB (S3B), NB (S3B), NF (S4B), NS (S2B,S4N), NT (SNRB), NU (SNRB), ON (S5B), PE (S2B,S5N), QC (S4B), SK (S5B,S5M,S5N), YT (S5B)

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	2,314.4	< 1	162.5	< 1	0.0	0	0.0	0
Status 2	9,263.8	< 1	3,430.9	< 1	0.0	0	238.3	< 1
Status 3	258.0	< 1	47,254.2	< 1	18,322.8	< 1	72,442.5	< 1
Status 4	10.1	< 1	0.0	0	0.0	0	79.1	< 1
Total	11,846.3	< 1	50,847.7	< 1	18,322.8	< 1	72,760.0	< 1
	US Dept. of Energy		US Nat. Park Service		NOAA		Other Federal Lands	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	5,040.8	< 1	0.0	0	0.0	0
Status 2	0.0	0	193.2	< 1	11.8	< 1	0.0	0
Status 3	2,656.8	< 1	20,236.1	< 1	0.0	0	850.2	< 1
Status 4	0.0	0	0.0	0	0.0	0	0.0	0
Total	2,656.8	< 1	25,470.1	< 1	11.8	< 1	850.2	< 1
	Native Am. Reserv.		State Park/Hist. Park		State WMA/Gameland		State Forest	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	17.7	< 1	6.2	< 1	0.0	0
Status 2	0.0	0	619.7	< 1	36,893.7	< 1	30.6	< 1
Status 3	1,662.3	< 1	11,867.1	< 1	13,736.3	< 1	5,871.5	< 1
Status 4	0.0	0	0.0	0	1,221.2	< 1	0.0	0
Total	1,662.3	< 1	12,504.6	< 1	51,857.5	< 1	5,902.1	< 1
	State Coastal Reserve		ST Nat.Area/Preserve		Other State Lands		Private Cons. Easemt.	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	351.9	< 1	0.0	0	0.0	0
Status 2	0.5	< 1	2,827.3	< 1	1.6	< 1	196.9	< 1
Status 3	0.0	0	498.2	< 1	936.5	< 1	777.8	< 1
Status 4	0.0	0	0.0	0	1,681.1	< 1	0.0	0
Total	0.5	< 1	3,677.4	< 1	2,619.2	< 1	974.7	< 1
	Private Land - No Res.		Water		Overall Total			
	ha	%	ha	%	ha	%		
Status 1	0.0	0	0.0	0	7,893.5	< 1		
Status 2	0.0	0	0.0	0	53,708.3	< 1		
Status 3	2.5	< 1	0.0	0	197,373.0	1		
Status 4	18,599,822.1	98	3,132.9	< 1	18,607,157.6	98		
Total	18,599,824.6	98	3,132.9	< 1	18,866,132.5	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: Horned larks are also birds of open country. Historically they were prairie specialists, but have adapted to herbaceous anthropogenic habitats such as cultivated fields, pastures and airports (however evidence is needed that these types are not sink habitats). Prefers sparsely vegetated areas of short grass with scattered patches of bare earth, such as pastures, airports, rowcrop stubble, freshly plowed fields (Nicholson 1997), beaches, dunes and lake flats, desert playas, scattered low shrubs and rarely in open areas in forest (AOU 1983, Stevenson and Anderson 1994). Avoids areas with trees or bushes (Kaufman 1996). In Florida, found along the coast on beaches, sand dunes, or along roadsides. Inland shores of lakes or ponds, plowed fields, pastures, or airports. Forages for waste grain and weed seeds (Stevenson and Anderson 1994).

Nest is built in a small depression on the ground, often next to some object such as a clump of grass or pile of manure. Always forages by walking, picking items from the ground and from plants within its reach (Kaufman 1996). The home range size is reported to be approximately 1.2 acres (Schoener 1968). A comprehensive review of the literature was recently completed by Dinkins et al. (2002). Elevational limit is cited as 4,000 m in the Birds of North America from a paper by Behle (1942).

Partially quoted from the state habitat notes (k.Cook 4-8-05)

Selected Map Units:

Functional Group	Map Unit Name
Anthropogenic	Developed Open Space
Anthropogenic	Pasture/Hay
Anthropogenic	Row Crop
Forest/Woodland	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland - Woodland Modifier
Prairie	Bluegrass Basin Savanna and Woodland
Prairie	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland
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	Pennyroyal Karst Plain Prairie and Barrens
Prairie	Southern Ridge and Valley Patch Prairie
Prairie	Western Highland Rim Prairie and Barrens

- 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.
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This data was compiled and/or developed
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