





# Species Modeling Report

SE-GAP Spp Code: **bEAME** 

# **Eastern Meadowlark**

Sturnella magna

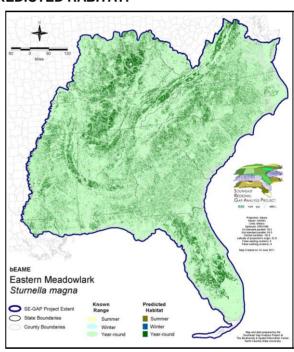
Taxa: Avian

Order: Passeriformes ITIS Species Code: 179034
Family: Icteridae NatureServe Element Code: ABPBXB2020

### **KNOWN RANGE:**

# DEAME Eastern Meadowlark Sturnella magna Signature Manage Summer Courty Boundaries Summer Writer Year-round Summer Summer

## PREDICTED HABITAT:



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

### **PROTECTION STATUS:**

Reported on March 14, 2011

Federal Status: ---

State Status: CT (SC), CT (SC), KY (N), ME (SC), NH (SC), NJ (SC/SC), NY (PB), RI (Not Listed), WI (SC/M), QC (Non suivie)

NS Global Rank: G5

NS State Rank: AL (S5), AR (S5), AZ (S5), CO (SNA), CT (S4B), CT (S4B), DC (S1B,S4N), DE (S3), FL (SNR), GA (S5), IA (S4B,S4N), IL (S5), IN (S3N,S4B), KS (S5), KY (S5B,S5N), LA (S5), MA (S3S4B), MD (S5B,S3N), ME (S3S4B), MI (S5), MN (SNRB), MN (SNRB), MO (SNR), MS (S5B,S5N), NC (S5B,S5N), NE (S5), NH (S3B), NJ (S3B,S3N), NM (S4B,S5N), NY (S5), OH (S5), OK (S5), PA (S5B,S4N), RI (S3B), SC (SNR), SD (S2B), SD (S2B), TN (S5), TX (S5B), VA (S5), VT (S5B), VT (S5B), WI (S4B), WV (S4N,S5B), WY (SNA), AB (SNA), MB (SNA), NB (S2B), NF (SNA), NS (S1B), ON (S4B), PE (SNA), QC (S4B)

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# SUMMARY OF PREDICTED HABITAT BY MANAGMENT AND GAP PROTECTION STATUS:

	l	JS FWS	US Forest Service		Tenn. Valley Author.		US DOD/ACOE	
	ha	%	ha	%	ha	%	ha	%
Status 1	2,155.3	< 1	20.6	< 1	0.0	0	0.0	C
Status 2	15,494.7	< 1	1,611.1	< 1	0.0	0	157.4	< 1
Status 3	8.4	< 1	36,959.9	< 1	16,874.3	< 1	76,772.4	< 1
Status 4	5.4	< 1	0.0	0	0.0	0	0.0	0
Total	17,663.8	< 1	38,591.6	< 1	16,874.3	< 1	76,929.8	< 1
	US Dept. of Energy		US Nat. Park Service		NOAA		Other Federal Lands	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	1,110.9	< 1	0.0	0	161.8	< 1
Status 2	0.0	0	489.5	< 1	1,376.2	< 1	0.0	C
Status 3	1,610.5	< 1	11,175.0	< 1	0.0	0	2,799.5	< 1
Status 4	0.0	0	0.0	0	0.0	0	0.0	0
Total	1,610.5	< 1	12,775.4	< 1	1,376.2	< 1	2,961.4	< 1
	Native Am. Reserv.		State Park/Hist. Park		State WMA/Gameland		State Fores	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	7.3	< 1	7.3	< 1	0.0	C
Status 2	0.0	0	279.8	< 1	56,503.5	< 1	10.8	< 1
Status 3	1,690.8	< 1	91,901.6	< 1	12,547.4	< 1	30,958.0	< 1
Status 4	0.0	0	0.0	0	8,785.1	< 1	< 0.1	< 1
Total	1,690.8	< 1	92,188.7	< 1	77,843.3	< 1	30,968.9	< 1
	State Coastal Reserve		ST Nat.Area/Preserve		Other State Lands		Private Cons. Easemt	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	374.4	< 1	0.0	0	0.0	C
Status 2	334.0	< 1	2,988.5	< 1	2.1	< 1	804.5	< 1
Status 3	0.0	0	3,357.8	< 1	8,031.5	< 1	47,957.2	< 1
Status 4	0.0	0	0.0	0	1,854.7	< 1	< 0.1	< 1
Total	334.0	< 1	6,720.8	< 1	9,888.3	< 1	48,761.8	< 1
	Private Land - I	No Res.		Water			Overa	ıll Total
	ha	%	ha	%			ha	%
Status 1	0.0	0	0.0	0			3,837.6	< 1
Status 2	0.0	0	0.0	0			80,052.1	< 1
Status 3	203.1	< 1	0.0	0			342,847.6	2
Status 4	21,851,099.6	98	2,148.7	< 1			21,872,673.3	98
Total	21,851,302.7	98	2,148.7	< 1			22,299,410.6	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:

Eastern meadowlarks are found in open, unwooded areas covered with grass or other herbaceous growth (Skutch 1996), but is not sensitive to the density of the vegetation (Nicholson 1997). Such habitats include meadows, pastures, large lawns, fields, roadsides, and grasslands (Potter et al. 1980). They are reported as less common in hay and alfalfa fields, roadsides, orchards, golf courses, airports and marshes. They prefer good grass and litter cover (Lanyon 1995 NAB). They prefer short to medium-height grasses; fields, pastures, and other grassy places. Favor somewhat taller grasses (up to 2 feet) for nesting than for foraging (Hamel 1992). In southeastern Arizona, meadowlarks avoided recently burned grassland habitats (Southwest. Nat. 37:73).

This species nests on the ground, often in a small depression, among concealing vegetation which is arched over the nest (Skutch 1996). Males sing from fences, telephone lines, and isolated trees (Nicholson 1997). They glean insects from the surface of or beneath the ground (Skutch 1996).

An average home range size of 7.5 acres is reported (Schoener 1968).

Quoted form habitat notes K. Cook -4-27-05

Elevation Mask: < 1219m

Contiguous Patch Minimum Size (hectares): 6

Functional Group	Map Unit Name
Anthropogenic	Pasture/Hay
Anthropogenic	Successional Grassland/Herbaceous
Anthropogenic	Successional Grassland/Herbaceous (Other)
Anthropogenic	Successional Grassland/Herbaceous (Utility Swath)
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 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	Pennyroyal Karst Plain Prairie and Barrens
Prairie	Southern Ridge and Valley Patch Prairie
Prairie	Western Highland Rim Prairie and Barrens
ected Secondary Map Uni	ts within 60m of Primary Map Units:
Functional Group	Map Unit Name
Anthropogenic	Developed Open Space
Anthropogenic	Row Crop

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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