



SOUTHEAST GAP ANALYSIS PROJECT



Species Modeling Report

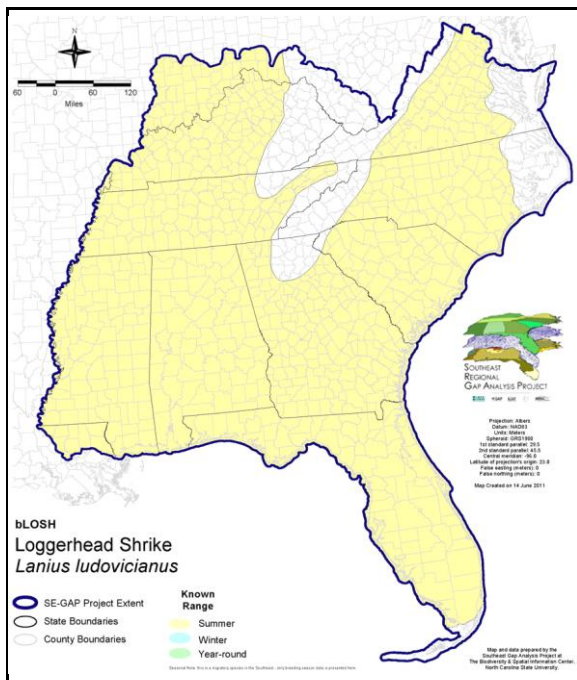
Loggerhead Shrike

Lanius ludovicianus

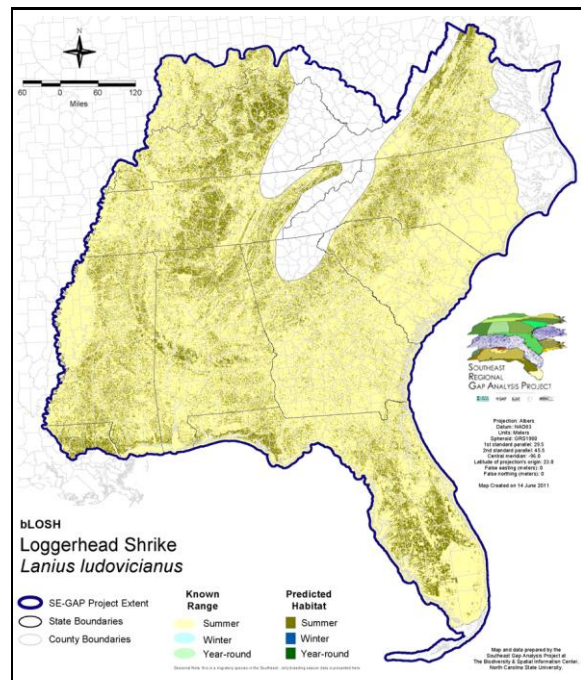
Taxa: Avian
 Order: Passeriformes
 Family: Laniidae

SE-GAP Spp Code: **bLOSH**
 ITIS Species Code: 178515
 NatureServe Element Code: ABPBR01030

KNOWN RANGE:



PREDICTED HABITAT:



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

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

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

Data Download: http://www.basic.ncsu.edu/segap/datazip/region/vert/bLOSH_se00.zip

PROTECTION STATUS:

Reported on March 14, 2011

Federal Status: ---

State Status: CA (None), DE (E), DE (E), ID (P), IL (LE), IN (SE), IN (SE), KY (N), MD (E), MN (THR), NC (SC), ND (Level II), NJ (E), NV (YES), NY (E), NY (E), OH (E), OR (SV), PA (N), RI (Not Listed), TN (D), UT (None), VA (LT), VT (E), WA (C), WA (C), WI (END), WI (END), AB (SC), BC (8 (2005)), MB (E), MB (E), ON (END), QC (MenacOe)

NS Global Rank: G4

NS State Rank: AL (S3B,S5N), AR (S4), AZ (S4), CA (S4), CO (S3S4B), CO (S3S4B), CT (SXN), DC (SHN,SXB), DC (SHN,SXB), DE (SHB), DE (SHB), FL (SNR), GA (S4), IA (S3B,S3N), ID (S3), IL (S3), IN (S3B), IN (S3B), KS (S4B), KS (S4B), KY (S4B,S4N), LA (S4), MA (SXB,S1N), MD (S1B), ME (SHB,S1?N), ME (SHB,S1?N), MI (SNR), MN (S2B), MO (S2), MS (S4B,S4N), MT (S3B), NC (S3B,S3N), ND (SU), NE (S5), NH (SHB), NJ (SNA), NM (S3B,S4N), NV (S4), NY (S1B), NY (S1B), OH (S1), OK (S4), OR (S3B,S2N), PA (SNRB), RI (SNA), SC (S3), SD (S3S4B), SD (S3S4B), TN (S3), TX (S4B), UT (S4B,S3S4N), VA (S2B,S3N), VT (SHB), WA (S3B), WA (S3B), WI (S1B), WI (S1B), WV (S1B,S2N), WY (S3), WY (S3), AB (S3), BC (SNA), MB (S1B), MB (S1B), NB (SXB), NB (SXB), NS (SHB), NS (SHB), ON (S2B), PE (SNA), QC (S1B), SK (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	16,117.0	< 1	100.4	< 1	0.0	0	0.0	0
Status 2	7,641.4	< 1	6,075.2	< 1	0.0	0	96.7	< 1
Status 3	16.6	< 1	81,176.0	< 1	9,848.4	< 1	123,459.2	< 1
Status 4	< 0.1	< 1	0.0	0	0.0	0	0.0	0
Total	23,775.0	< 1	87,351.7	< 1	9,848.4	< 1	123,555.9	< 1
	US Dept. of Energy		US Nat. Park Service		NOAA		Other Federal Lands	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	6,817.1	< 1	0.0	0	134.3	< 1
Status 2	0.0	0	780.7	< 1	1,043.9	< 1	43.2	< 1
Status 3	374.4	< 1	39,876.3	< 1	0.0	0	3,211.9	< 1
Status 4	0.0	0	0.0	0	0.0	0	0.0	0
Total	374.4	< 1	47,474.1	< 1	1,043.9	< 1	3,389.4	< 1
	Native Am. Reserv.		State Park/Hist. Park		State WMA/Gameland		State Forest	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	83.9	< 1	1.9	< 1	0.0	0
Status 2	0.0	0	316.4	< 1	68,754.2	< 1	0.0	0
Status 3	1,275.4	< 1	156,617.9	< 1	8,072.5	< 1	72,577.3	< 1
Status 4	0.0	0	0.0	0	5,538.7	< 1	1.2	< 1
Total	1,275.4	< 1	157,018.1	< 1	82,367.3	< 1	72,578.4	< 1
	State Coastal Reserve		ST Nat.Area/Preserve		Other State Lands		Private Cons. Easemt.	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	1,036.4	< 1	0.0	0	0.0	0
Status 2	850.7	< 1	4,363.3	< 1	0.0	0	705.2	< 1
Status 3	0.0	0	6,640.7	< 1	6,938.5	< 1	56,508.3	< 1
Status 4	0.0	0	0.0	0	517.2	< 1	< 0.1	< 1
Total	850.7	< 1	12,040.5	< 1	7,455.7	< 1	57,213.6	< 1
	Private Land - No Res.		Water		Overall Total			
	ha	%	ha	%	ha	%		
Status 1	0.0	0	0.0	0	24,291.1	< 1		
Status 2	0.0	0	0.0	0	90,670.8	< 1		
Status 3	19.2	< 1	< 0.1	< 1	566,612.6	4		
Status 4	17,204,170.6	96	4,711.0	< 1	17,220,477.4	96		
Total	17,204,189.8	96	4,711.1	< 1	17,902,051.9	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: Breeds in open country with short vegetation: pastures with fence rows, old orchards, mowed roadsides, ag fields, open woodlands. Breeders usually settle near isolated trees or large shrubs (Yosef 1996). Forages in open landscapes characterized by well-spaced, often spiny shrubs and low trees usually interspersed with grasses, forbs, and bare ground. From the literature, the single most important factor for viable habitat is presence of suitable trees or shrubs for nesting. This vegetation must be spread out among the grassy/open areas over which the loggerhead shrike hunts. M. Rubino, 07Jan05.

Elevation Mask: < 600m

Contiguous Patch Minimum Size (hectares): 52

Selected Map Units:

Functional Group	Map Unit Name
Anthropogenic	Developed Open Space
Anthropogenic	Pasture/Hay
Anthropogenic	Successional Shrub/Scrub (Clear Cut)
Anthropogenic	Successional Shrub/Scrub (Other)
Anthropogenic	Successional Shrub/Scrub (Utility Swath)
Forest/Woodland	Alabama Ketona Glade and Woodland
Forest/Woodland	Appalachian Serpentine Woodland
Forest/Woodland	Appalachian Shale Barrens
Forest/Woodland	Central Appalachian Alkaline Glade and Woodland
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	Nashville Basin Limestone Glade
Forest/Woodland	Ridge and Valley Calcareous Valley Bottom Glade and Woodland
Forest/Woodland	South Florida Pine Rockland
Forest/Woodland	Southern and Central Appalachian Mafic Glade and Barrens
Forest/Woodland	Southern Coastal Plain Oak Dome and Hammock
Forest/Woodland	Southern Piedmont Glade and Barrens
Forest/Woodland	Southern Piedmont Mafic Hardpan Woodland
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
Wetlands	Atlantic Coastal Plain Northern Wet Longleaf Pine Savanna and Flatwoods
Wetlands	Atlantic Coastal Plain Southern Wet Pine Savanna and Flatwoods
Wetlands	Central Florida Pine Flatwoods
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 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 Southern Loblolly-Hardwood Flatwoods
Wetlands	South Florida Dwarf Cypress Savanna

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