



Species Modeling Report

Northern Rough-winged Swallow

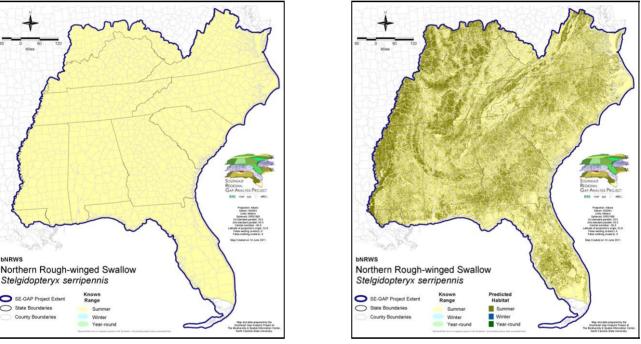
Stelgidopteryx serripennis

- Taxa: Avian
- Order: Passeriformes
- Family: Hirundinidae

KNOWN RANGE:

SE-GAP Spp Code: **bNRWS** ITIS Species Code: 178443 NatureServe Element Code: ABPAU07010

PREDICTED HABITAT:



Range Map Link: http://www.basic.ncsu.edu/segap/datazip/maps/SE_Range_bNRWS.pdf Predicted Habitat Map Link: http://www.basic.ncsu.edu/segap/datazip/maps/SE_Dist_bNRWS.pdf GAP Online Tool Link: http://www.gapserve.ncsu.edu/segap/segap/index2.php?species=bNRWS Data Download: http://www.basic.ncsu.edu/segap/datazip/region/vert/bNRWS_se00.zip

PROTECTION STATUS:

Reported on March 14, 2011

Federal Status: ---

SE-GAP Project E

State Boun

County Boundarie

State Status: ID (P), ID (P), KY (N), ME (SC), NJ (S/S), NV (YES), NY (PB), RI (Not Listed), UT (None), BC (4 (2005)), QC (Non suivie)

NS Global Rank: G5

NS State Rank: AK (S3B), AL (S5B), AR (S4B,S4N), AZ (S5), CA (S5), CO (S5), CT (S5B), CT (S5B), DC (S2N,S3B), DE (S5B), FL (SNRB), GA (S5), IA (S5B,S5N), ID (S5B), ID (S5B), IL (S5), IN (S4B), KS (S4B), KY (S5B), LA (S4B), MA (S4B), MD (S4B), ME (S3S4B), MI (S5), MN (SNRB), MO (SNRB), MS (S5B), MS (S5B), MT (S5B), MT (S5B), NC (S4B), NC (S4B), ND (SNRB), NE (SNRB), NH (S5B), NJ (S4B), NM (S4B,S5N), NV (S5B), NY (S5), OH (S5), OK (S4B), OR (S4), PA (S4B), RI (S3B), SC (SNRB), SD (S4B), SD (S4B), TN (S5), TX (S3B,S4N), UT (S4S5B), VA (S5), VT (S4B), VT (S4B), WA (S4S5B), WA (S4S5B), WI (S4B), WI (S4B), WV (S5B), WY (S5B,S5N), AB (S3S4), BC (S4B), MB (S3S4B), MB (S3S4B), NB (S1S2B), NF (SNA), NS (SNA), ON (S4B), PE (SNA), QC (S4B), SK (S5B), YT (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	12,432.0	< 1	596.4	< 1	0.0	0	0.0	(
Status 2	43,277.1	< 1	14,642.7	< 1	0.0	0	680.9	< 1
Status 3	530.8	< 1	151,098.8	< 1	30,143.6	< 1	218,602.5	< 1
Status 4	22.6	< 1	0.0	0	0.0	0	203.8	< 1
Total	56,262.5	< 1	166,338.0	< 1	30,143.6	< 1	219,487.1	< 1
	US Dept. of Energy		US Nat. Park Service		NOAA		Other Federal Land	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	7,441.3	< 1	179.1	< 1	889.2	< 1
Status 2	0.0	0	10,318.7	< 1	4,086.8	< 1	23.7	< 1
Status 3	5,118.8	< 1	32,516.1	< 1	0.0	0	3,918.0	< 1
Status 4	0.0	0	0.0	2	0.0	0	0.0	C
Total	5,118.8	< 1	50,276.2	< 1	4,265.9	< 1	4,830.8	< 1
	Native Am.	Reserv.	State Park/His	st. Park	State WMA/Gar	neland	State	Fores
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	167.4	< 1	10.5	< 1	0.0	C
Status 2	0.0	0	1,156.1	< 1	129,006.4	< 1	58.2	< 1
Status 3	4,407.3	< 1	139,757.2	< 1	35,431.9	< 1	49,890.5	< 1
Status 4	0.0	0	0.0	0	22,951.9	< 1	4.1	< 1
Total	4,407.3	< 1	141,080.7	< 1	187,400.7	< 1	49,952.8	< 1
	State Coastal Reserve		ST Nat.Area/Preserve		Other State Lands		Private Cons. Easemt.	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	1,023.1	< 1	0.0	0	0.0	(
Status 2	2,335.1	< 1	10,514.9	< 1	2.1	< 1	1,067.0	< 1
Status 3	0.0	0	5,490.6	< 1	14,432.9	< 1	52,349.9	< 1
Status 4	0.0	0	0.0	0	2,372.0	< 1	< 0.1	< 1
Total	2,335.1	< 1	17,028.6	< 1	16,807.0	< 1	53,416.9	< 1
	Private Land - I	No Res.		Water			Overa	all Tota
	ha	%	ha	%			ha	%
Status 1	0.0	0	0.0	0			22,739.0	< 1
Status 2	0.0	0	0.0	0			217,169.6	< 1
Status 3	187.0	< 1	< 0.1	< 1			743,876.1	2
Status 4	38,545,742.9	97	35,272.2	< 1			38,629,498.8	97
Total	38,545,929.9	97	35,272.3	<1			39,613,283.5	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: Prefers open areas including open woodlands. Nests predominantly near rocky gorges, shale banks, stony road cuts, railroad embankments, erorded stream margins, other such exposed banks of clay, sand, or gravel. Also common in coastal (marine) harbors, jetties, etc. foraging over nearby waters and marshes (De Jong 1996). M. Rubino, 06jan05.

Hydrography Mask:

Utilizes flowing water features with buffers of 500m from and 250m into selected water features. Utilizes open water features with buffers of 500m from and 250m into selected water features. Utilizes wet vegetation features with buffer of unlimited into selected vegetation features.

Selected Map Units:

Functional Group	Map Unit Name	
Anthropogenic	Bare Sand	
Anthropogenic	Bare Soil	
Anthropogenic	Developed Open Space	
Anthropogenic	Low Intensity Developed	
Anthropogenic	Pasture/Hay	
Anthropogenic	Quarry/Strip Mine/Gravel Pit	
Anthropogenic	Row Crop	
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)	
Coastal Dune & Freshwater Wetland	Atlantic Coastal Plain Northern Dune and Maritime Grassland	
Coastal Dune & Freshwater Wetland	Atlantic Coastal Plain Southern Dune and Maritime Grassland	
Coastal Dune & Freshwater Wetland	East Gulf Coastal Plain Dune and Coastal Grassland	
Coastal Dune & Freshwater Wetland	Southwest Florida Dune and Coastal Grassland	
Forest/Woodland	Alabama Ketona Glade and 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	East Gulf Coastal Plain Northern Loess Bluff Forest	
Forest/Woodland	East Gulf Coastal Plain Southern Loess Bluff Forest	
Forest/Woodland	Nashville Basin Limestone Glade	
Forest/Woodland	Ridge and Valley Calcareous Valley Bottom Glade and Woodland	
Forest/Woodland	Southern and Central Appalachian Mafic Glade and Barrens	
Forest/Woodland	Southern Piedmont Glade and Barrens	
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	
		Page

Prairie	Western Highland Rim Prairie and Barrens
Rock Outcrop	Allegheny-Cumberland Sandstone Box Canyon and Rockhouse
Rock Outcrop	Central Interior Acidic Cliff and Talus
Rock Outcrop	Central Interior Calcareous Cliff and Talus
Rock Outcrop	East Gulf Coastal Plain Dry Chalk Bluff
Rock Outcrop	North-Central Appalachian Acidic Cliff and Talus
Rock Outcrop	North-Central Appalachian Circumneutral Cliff and Talus
Rock Outcrop	Southern Appalachian Montane Cliff
Rock Outcrop	Southern Interior Acid Cliff
Rock Outcrop	Southern Interior Calcareous Cliff
Rock Outcrop	Southern Piedmont Cliff
Water	Open Water (Brackish/Salt)
Water	Open Water (Fresh)
Wetlands	Atlantic Coastal Plain Depression Pondshore
Wetlands	Atlantic Coastal Plain Large Natural Lakeshore
Wetlands	Atlantic Coastal Plain Northern Pondshore
Wetlands	Central Florida Herbaceous Pondshore
Wetlands	Cumberland Riverscour
Wetlands	East Gulf Coastal Plain Northern Depression Pondshore
Wetlands	East Gulf Coastal Plain Southern Depression Pondshore
Wetlands	Southern Coastal Plain Spring-run Stream Aquatic Vegetation
Wetlands	Unconsolidated Shore (Lake/River/Pond)

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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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	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.