



# SOUTHEAST GAP ANALYSIS PROJECT



## Species Modeling Report

### Scarlet Tanager

*Piranga olivacea*

Taxa: Avian

Order: Passeriformes

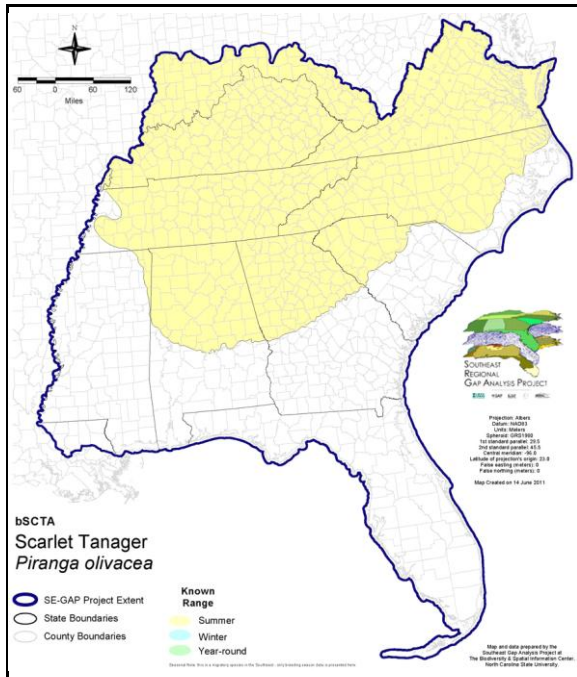
Family: Cardinalidae

SE-GAP Spp Code: **bSCTA**

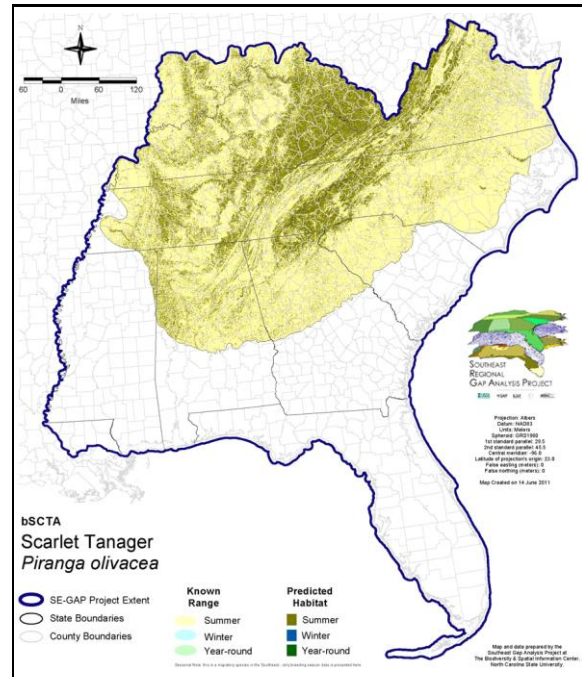
ITIS Species Code: 179883

NatureServe Element Code: ABPBX45040

#### KNOWN RANGE:



#### PREDICTED HABITAT:



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

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

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

Data Download: [http://www.basic.ncsu.edu/segap/datazip/region/vert/bSCTA\\_se00.zip](http://www.basic.ncsu.edu/segap/datazip/region/vert/bSCTA_se00.zip)

#### PROTECTION STATUS:

Reported on March 14, 2011

Federal Status: ---

State Status: KY (N), NJ (S/S), NV (YES), NY (PB), RI (Not Listed), UT (None), BC (8 (2005)), QC (Non suivie)

NS Global Rank: G5

NS State Rank: AK (SNA), AL (S5B), AR (S4B,S4N), AZ (SNA), CA (SNA), CO (SNA), CT (S5B), CT (S5B), DC (S2B,S4N), DE (S4B), FL (SNA), GA (S5), IA (S4B,S4N), IL (S5), IN (S4B), KS (S3B), KY (S5B), LA (SNA), MA (S5B), MD (S5B), ME (S5B), MI (S5), MN (SNRB), MO (SNRB), MS (S2?B), MS (S2?B), MT (SNA), NC (S5B), NC (S5B), ND (SU), NE (S4), NH (S5B), NJ (S4B), NM (SNA), NV (SNA), NY (S5), OH (S5), OK (S2B), OR (SNA), PA (S5B), RI (S5B), SC (SNRB), SD (S2B), SD (S2B), TN (S4), TX (S4), UT (SNA), VA (S5), VT (S5B), VT (S5B), WI (S4B), WI (S4B), WV (S5B), WY (SNA), AB (SNA), BC (SNA), LB (SNA), MB (S3S4B), MB (S3S4B), NB (S4B), NF (SNA), NS (S2B), ON (S4B), PE (SNA), QC (S5B), SK (S1B), SK (S1B), YT (SNA)

**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	15,009.5	< 1	27,632.9	< 1	0.0	0	0.0	0
Status 2	7,223.6	< 1	289,238.9	2	0.0	0	1,518.7	< 1
Status 3	1,431.5	< 1	1,400,160.7	9	23,161.9	< 1	72,471.9	< 1
Status 4	14.1	< 1	0.0	0	0.0	0	0.0	0
Total	23,678.6	< 1	1,717,032.4	10	23,161.9	< 1	73,990.5	< 1
	US Dept. of Energy		US Nat. Park Service		NOAA		Other Federal Lands	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	245,932.3	1	0.0	0	0.0	0
Status 2	0.0	0	9,833.5	< 1	5.0	< 1	0.0	0
Status 3	6,163.5	< 1	63,433.6	< 1	0.0	0	66.6	< 1
Status 4	0.0	0	0.0	0	0.0	0	0.0	0
Total	6,163.5	< 1	319,199.4	2	5.0	< 1	66.6	< 1
	Native Am. Reserv.		State Park/Hist. Park		State WMA/Gameland		State Forest	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	853.8	< 1	68.0	< 1	0.0	0
Status 2	0.0	0	13,967.9	< 1	240,399.3	1	1,328.0	< 1
Status 3	15,876.3	< 1	68,418.5	< 1	78,176.9	< 1	20,722.4	< 1
Status 4	0.0	0	0.0	0	29,314.8	< 1	0.0	0
Total	15,876.3	< 1	83,240.3	< 1	347,958.9	2	22,050.5	< 1
	State Coastal Reserve		ST Nat.Area/Preserve		Other State Lands		Private Cons. Easemt.	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	10,366.9	< 1	0.0	0	0.0	0
Status 2	0.0	0	31,371.8	< 1	2.7	< 1	848.7	< 1
Status 3	0.0	0	1,458.6	< 1	1,050.8	< 1	893.2	< 1
Status 4	0.0	0	2.1	< 1	417.1	< 1	0.0	0
Total	0.0	0	43,199.5	< 1	1,470.6	< 1	1,741.9	< 1
	Private Land - No Res.		Water		Overall Total			
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	0.0	0	299,863.4 2			
Status 2	0.0	0	0.0	0	595,738.0 4			
Status 3	0.0	0	0.0	0	1,753,486.3 19			
Status 4	12,359,021.2	75	2,675.6	< 1	12,420,745.6 75			
Total	12,359,021.2	75	2,675.6	< 1	15,069,833.2 100			

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: Scarlet Tanagers inhabits fairly large tracts of mature deciduous and mixed forests of all types. They occur in greatest abundance in moist, mixed mesophytic forests of slopes and ravines, but are also commonly found in sub-xeric oak-hickory forests (Mowbay 1999, Palmer-Ball 1996), and bottomlands (Hamel 1992, GA-GAP 2003, NatureServe 2005). This species prefers oak trees (Bushman and Therres 1988), but also nests less frequently in mixed forest (Hamel et al. 1982, Hamel 1992). It is more common in areas with a relatively closed canopy, a dense understory with a high diversity of shrubs, and scanty ground cover; able to breed successfully in relatively small patches of forest (Bushman and Therres 1988). Also sometimes nests in wooded parks, orchards, and large shade trees of suburbs (Isler and Isler 1987, Senesac 1993). Where habitat overlaps that of the Summer Tanager, will tend to use areas with taller trees and denser canopy cover than it does in the absence of the species (Nicholson 1997). Nest is built on the tip of a horizontal branch from 6 to 60 feet above the ground. Forages by hawking and gleaning insects, sometimes from loose bark, and will also eat berries and nectar (Ehrlich et al. 1988). Spends most of the time in the upper canopy (Nicholson 1997). Amy Silvano 9jun05

\*\*\*Portions quoted directly from state hab notes. Amy Silvano

Ecosystem classifiers: Xeric Uplands, Mixed, Hardwood, Slope, Cove, & Montane Forests, Low Urban, D. Plantations, Floodplain/Riparian (Excluding Blackwater Systems & Herbaceous Modifiers) Amy Silvano 9jun05

Elevation Mask: < 1524m

Mask of Forest Interior Utilization: Include all forest interiors and 120m buffer from them.

Contiguous Patch Minimum Size (hectares): 12

**Selected Map Units:**

Functional Group	Map Unit Name
Anthropogenic	Deciduous Plantations
Anthropogenic	Low Intensity Developed
Forest/Woodland	Allegheny-Cumberland Dry Oak Forest and Woodland
Forest/Woodland	Allegheny-Cumberland Dry Oak Forest and Woodland - Hardwood Modifier
Forest/Woodland	Appalachian Hemlock-Hardwood Forest
Forest/Woodland	Appalachian Serpentine Woodland
Forest/Woodland	Atlantic Coastal Plain Dry and Dry-Mesic Oak Forest
Forest/Woodland	Atlantic Coastal Plain Fall-line Sandhills Longleaf Pine Woodland - Offsite Hardwood Modifier
Forest/Woodland	Atlantic Coastal Plain Mesic Hardwood and Mixed Forest
Forest/Woodland	Atlantic Coastal Plain Northern Mixed Oak-Heath Forest
Forest/Woodland	Central and Southern Appalachian Montane Oak Forest
Forest/Woodland	Central and Southern Appalachian Northern Hardwood Forest
Forest/Woodland	Central and Southern Appalachian Spruce-Fir Forest
Forest/Woodland	Central Appalachian Oak and Pine Forest
Forest/Woodland	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest - Hardwood Modifier
Forest/Woodland	East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest - Mixed Modifier
Forest/Woodland	East Gulf Coastal Plain Interior Upland Longleaf Pine Woodland - Offsite Hardwood Modifier
Forest/Woodland	East Gulf Coastal Plain Limestone Forest
Forest/Woodland	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest
Forest/Woodland	East Gulf Coastal Plain Northern Loess Bluff Forest
Forest/Woodland	East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland - Hardwood Modifier
Forest/Woodland	East Gulf Coastal Plain Northern Mesic Hardwood Forest
Forest/Woodland	Northeastern Interior Dry Oak Forest - Mixed Modifier
Forest/Woodland	Northeastern Interior Dry Oak Forest-Hardwood Modifier
Forest/Woodland	Northern Atlantic Coastal Plain Dry Hardwood Forest
Forest/Woodland	South-Central Interior Mesophytic Forest
Forest/Woodland	Southern and Central Appalachian Cove Forest
Forest/Woodland	Southern and Central Appalachian Oak Forest
Forest/Woodland	Southern and Central Appalachian Oak Forest - Xeric

Forest/Woodland	Southern Appalachian Montane Pine Forest and Woodland
Forest/Woodland	Southern Coastal Plain Dry Upland Hardwood Forest
Forest/Woodland	Southern Interior Low Plateau Dry-Mesic Oak Forest
Forest/Woodland	Southern Interior Low Plateau Dry-Mesic Oak Forest - Evergreen Modifier
Forest/Woodland	Southern Piedmont Dry Oak-(Pine) Forest - Hardwood Modifier
Forest/Woodland	Southern Piedmont Dry Oak-(Pine) Forest - Mixed Modifier
Forest/Woodland	Southern Piedmont Dry Oak-Heath Forest - Hardwood Modifier
Forest/Woodland	Southern Piedmont Dry Oak-Heath Forest - Mixed Modifier
Forest/Woodland	Southern Piedmont Dry Oak-Heath Forest - Virginia/Pitch Pine Modifier
Forest/Woodland	Southern Piedmont Mesic Forest
Forest/Woodland	Southern Ridge and Valley Dry Calcareous Forest
Forest/Woodland	Southern Ridge and Valley Dry Calcareous Forest - Hardwood Modifier
Wetlands	Atlantic Coastal Plain Brownwater Stream Floodplain Forest
Wetlands	Atlantic Coastal Plain Small Brownwater River Floodplain Forest
Wetlands	Central Appalachian Floodplain - Forest Modifier
Wetlands	Central Appalachian Riparian - Forest Modifier
Wetlands	East Gulf Coastal Plain Large River Floodplain Forest - Forest Modifier
Wetlands	East Gulf Coastal Plain Small Stream and River Floodplain Forest
Wetlands	South-Central Interior Large Floodplain - Forest Modifier
Wetlands	South-Central Interior Small Stream and Riparian
Wetlands	Southern Piedmont Large Floodplain Forest - Forest Modifier
Wetlands	Southern Piedmont Small Floodplain and Riparian Forest

**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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