



SOUTHEAST GAP ANALYSIS PROJECT



Species Modeling Report

Brown Thrasher

Toxostoma rufum

Taxa: Avian

Order: Passeriformes

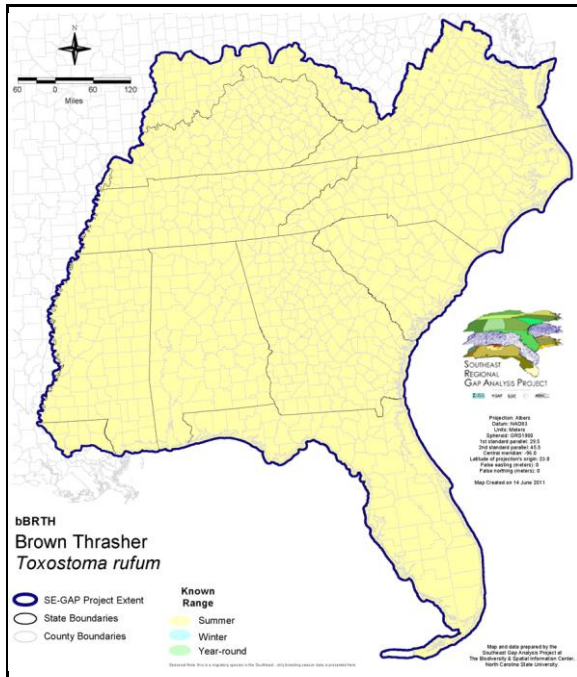
Family: Mimidae

SE-GAP Spp Code: **bBRTH**

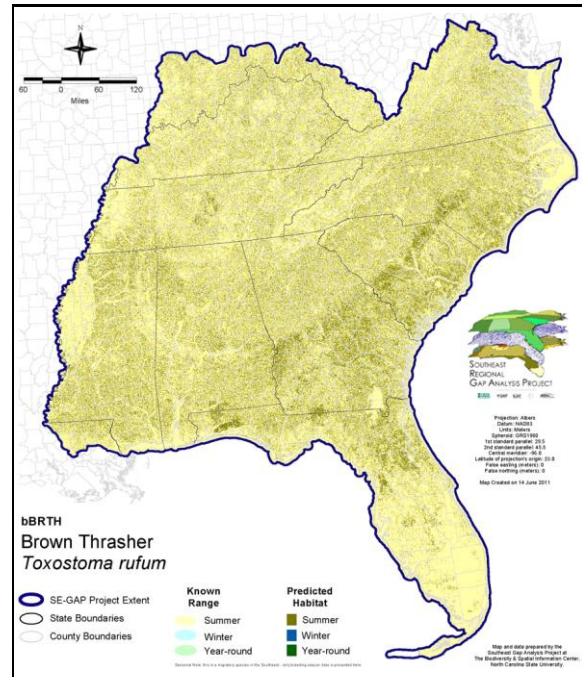
ITIS Species Code: 178627

NatureServe Element Code: ABPBK06010

KNOWN RANGE:



PREDICTED HABITAT:



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

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

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

Data Download: http://www.basic.ncsu.edu/segap/datazip/region/vert/bBRTH_se00.zip

PROTECTION STATUS:

Reported on March 14, 2011

Federal Status: ---

State Status: CT (SC), CT (SC), ID (P), KY (N), KY (N), ME (SC), NJ (SC/S), NV (YES), NY (PB), RI (Not Listed), UT (None), WI (SC/M), WI (SC/M), BC (8 (2005)), QC (Non suivie)

NS Global Rank: G5

NS State Rank: AK (SNA), AL (S5), AR (S4), AZ (S1N), CA (SNA), CO (S4), CT (S5B), CT (S5B), DC (S3B,S3N), DE (S4B), FL (SNR), GA (S5), IA (S5B,S5N), ID (SNA), IL (S5), IN (S4B), IN (S4B), KS (S5B), KY (S4S5B), KY (S4S5B), LA (S5), MA (S4), MD (S5B,S2N), ME (S4B), MI (S5), MN (SNRB), MN (SNRB), MO (SNRB,SNRN), MS (S5B,S5N), MT (S5B), MT (S5B), NC (S5B,S5N), ND (SNRB), NE (S5), NH (S3), NJ (S3B,S4N), NM (S4N), NV (SNA), NY (S3S4), OH (S5), OK (S5), OR (SNA), PA (S4B), RI (S4B), SC (SNR), SD (S5B), TN (S5), TX (S4B), UT (S2S3N), VA (S5), VT (S5B), VT (S5B), WA (SNA), WI (S4B), WI (S4B), WV (S3N,S5B), WY (S5B), WY (S5B), AB (S5), BC (SNA), LB (SNA), MB (S3S4B), MB (S3S4B), NB (S2B), NF (SNA), NS (S1?B), ON (S4B), PE (SNA), QC (S4B), SK (S5B), SK (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	14,150.8	< 1	2,827.3	< 1	0.0	0	0.0	0
Status 2	36,616.4	< 1	39,950.6	< 1	0.0	0	1,161.0	< 1
Status 3	454.0	< 1	431,113.1	2	25,472.4	< 1	347,315.0	1
Status 4	26.7	< 1	0.0	0	0.0	0	22.7	< 1
Total	51,247.9	< 1	473,891.0	2	25,472.4	< 1	348,498.7	1
	US Dept. of Energy		US Nat. Park Service		NOAA		Other Federal Lands	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	21,648.4	< 1	33.3	< 1	5,907.2	< 1
Status 2	0.0	0	4,899.5	< 1	3,904.3	< 1	9.8	< 1
Status 3	34,578.4	< 1	45,222.8	< 1	0.0	0	792.8	< 1
Status 4	0.0	0	0.0	2	0.0	0	0.0	0
Total	34,578.4	< 1	71,771.2	< 1	3,937.6	< 1	6,709.9	< 1
	Native Am. Reserv.		State Park/Hist. Park		State WMA/Gameland		State Forest	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	339.7	< 1	11.6	< 1	0.0	0
Status 2	0.0	0	1,519.4	< 1	148,386.2	< 1	102.1	< 1
Status 3	4,316.8	< 1	115,293.8	< 1	56,329.3	< 1	153,187.6	< 1
Status 4	0.0	0	0.0	0	33,419.8	< 1	30.0	< 1
Total	4,316.8	< 1	117,152.8	< 1	238,146.8	< 1	153,319.6	< 1
	State Coastal Reserve		ST Nat.Area/Preserve		Other State Lands		Private Cons. Easemt.	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	2,168.0	< 1	0.0	0	0.0	0
Status 2	1,527.8	< 1	14,418.9	< 1	1.5	< 1	807.8	< 1
Status 3	0.0	0	6,567.7	< 1	18,334.6	< 1	31,688.6	< 1
Status 4	0.0	0	0.0	0	1,256.4	< 1	0.0	0
Total	1,527.8	< 1	23,154.6	< 1	19,592.6	< 1	32,496.5	< 1
	Private Land - No Res.		Water		Overall Total			
	ha	%	ha	%	ha	%		
Status 1	0.0	0	0.0	0	47,086.3	< 1		
Status 2	0.0	0	0.0	7	253,305.5	< 1		
Status 3	259.7	< 1	< 0.1	< 1	1,270,926.6	7		
Status 4	23,547,331.3	92	16,300.7	< 1	23,631,781.1	92		
Total	23,547,591.0	92	16,301.0	< 1	25,203,099.5	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: Brown thrashers occur in areas of dense low growth, often in overgrown fields, woodland margins, thickets, open woods, hedgerows, and residential neighborhoods with shrubs and hedges (Hamel 1992, Harrison 1975, Potter et al 1980). Usually found in drier habitat than Gray catbirds (Hamel 1992, Potter et al 1980). Foraging for the most part occurs within 10 m of the ground (Hamel 1992). The nest height averages 2 to 7 ft. (Harrison 1975) and can be in a small tree, shrub, or on the ground in dense vegetation (Kaufman 1996). Searching for insects, thrashers forage primarily on the ground, using their bill to dig in soil or move fallen leaves (Kaufman 1996). Also perches in trees and shrubs to eat berries and fruit (Kaufman 1996) and nuts (Ehrlich et al 1988).

Quoted from N.Carolina habitat notes – K. Cook –5/9/05

Additional information:

Cavitt and Haas (2000 IN: BNA) state that Thrashers are not found to breed in woodlots of <0.8 ha and are uncommon in woodlots of <4 ha in NJ (Forman et al. 1976). They do breed in the Okeefeenokee Swamp of Georgia (Burleigh 1958). They occasionally breed in urban settings (Bent 1948).

Cavitt and Haas (2000 IN: BNA) also report that brown thrashers "breed at high densities in regularly burned habitat dominated by pitch pine (*Pinus rigida*) and scrub oaks (bear [*Quercus ilicifolia*] and black jack oak [*Q. marilandica*]) but absent or rare in areas where fire sup-pression allows canopy oaks (scarlet [*Q. coccinea*] or white [*Q. alba*] oaks) to dominate (Kerlinger and Doremus 1981). " K. Cook –5/9/05

Elevation Mask: < 1676m

Mask of Forest/Open Ecotone: Include within 60m of ecotone edge.

Mask of Woodlands and Shrublands: Include all woodland and shrubland interiors and 60m buffer from them.

Selected Map Units:

Functional Group	Map Unit Name
Anthropogenic	Deciduous Plantations
Anthropogenic	Evergreen Plantations
Anthropogenic	Low Intensity Developed
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)
Bald	Central Appalachian Montane Rocky Bald - Herbaceous Modifier
Bald	Central Appalachian Montane Rocky Bald - Shrub Modifier
Bald	Southern Appalachian Grass and Shrub Bald - Herbaceous Modifier
Bald	Southern Appalachian Grass and Shrub Bald - Shrub Modifier
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	Allegheny-Cumberland Dry Oak Forest and Woodland
Forest/Woodland	Allegheny-Cumberland Dry Oak Forest and Woodland - Hardwood Modifier
Forest/Woodland	Allegheny-Cumberland Dry Oak Forest and Woodland - Pine Modifier
Forest/Woodland	Appalachian Hemlock-Hardwood Forest
Forest/Woodland	Appalachian Serpentine Woodland
Forest/Woodland	Appalachian Shale Barrens
Forest/Woodland	Atlantic Coastal Plain Central Maritime Forest
Forest/Woodland	Atlantic Coastal Plain Dry and Dry-Mesic Oak Forest
Forest/Woodland	Atlantic Coastal Plain Fall-Line Sandhills Longleaf Pine Woodland - Loblolly Modifier

Forest/Woodland	Atlantic Coastal Plain Fall-line Sandhills Longleaf Pine Woodland - Offsite Hardwood Modifier
Forest/Woodland	Atlantic Coastal Plain Fall-line Sandhills Longleaf Pine Woodland - Open Understory Modifier
Forest/Woodland	Atlantic Coastal Plain Fall-line Sandhills Longleaf Pine Woodland - Scrub/Shrub Understory Modifier
Forest/Woodland	Atlantic Coastal Plain Mesic Hardwood and Mixed Forest
Forest/Woodland	Atlantic Coastal Plain Northern Maritime Forest
Forest/Woodland	Atlantic Coastal Plain Northern Mixed Oak-Heath Forest
Forest/Woodland	Atlantic Coastal Plain Southern Maritime Forest
Forest/Woodland	Atlantic Coastal Plain Upland Longleaf Pine Woodland
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 Alkaline Glade and Woodland
Forest/Woodland	Central Appalachian Oak and Pine Forest
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 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 Shortleaf Pine-Oak Forest - Pine Modifier
Forest/Woodland	East Gulf Coastal Plain Interior Upland Longleaf Pine Woodland - Loblolly Modifier
Forest/Woodland	East Gulf Coastal Plain Interior Upland Longleaf Pine Woodland - Offsite Hardwood Modifier
Forest/Woodland	East Gulf Coastal Plain Interior Upland Longleaf Pine Woodland - Open Understory Modifier
Forest/Woodland	East Gulf Coastal Plain Interior Upland Longleaf Pine Woodland - Scrub/Shrub Modifier
Forest/Woodland	East Gulf Coastal Plain Limestone Forest
Forest/Woodland	East Gulf Coastal Plain Maritime Forest
Forest/Woodland	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest
Forest/Woodland	East Gulf Coastal Plain Northern Dry Upland Hardwood Forest - Offsite Pine Modifier
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 Loess Plain Oak-Hickory Upland - Juniper Modifier
Forest/Woodland	East Gulf Coastal Plain Northern Mesic Hardwood Forest
Forest/Woodland	East Gulf Coastal Plain Southern Loess Bluff Forest
Forest/Woodland	East Gulf Coastal Plain Southern Mesic Slope Forest
Forest/Woodland	Florida Longleaf Pine Sandhill - Open Understory Modifier
Forest/Woodland	Florida Longleaf Pine Sandhill - Scrub/Shrub Understory Modifier
Forest/Woodland	Florida Peninsula Inland Scrub
Forest/Woodland	Mississippi Delta Maritime Forest
Forest/Woodland	Nashville Basin Limestone Glade
Forest/Woodland	Northeastern Interior Dry Oak Forest - Mixed Modifier
Forest/Woodland	Northeastern Interior Dry Oak Forest - Virginia/Pitch Pine Modifier
Forest/Woodland	Northeastern Interior Dry Oak Forest-Hardwood Modifier
Forest/Woodland	Northern Atlantic Coastal Plain Dry Hardwood Forest
Forest/Woodland	Ridge and Valley Calcareous Valley Bottom Glade and Woodland
Forest/Woodland	South Florida Pine Rockland
Forest/Woodland	South-Central Interior Mesophytic Forest
Forest/Woodland	Southeast Florida Coastal Strand and Maritime Hammock
Forest/Woodland	Southeastern Interior Longleaf Pine Woodland
Forest/Woodland	Southern and Central Appalachian Cove Forest
Forest/Woodland	Southern and Central Appalachian Mafic Glade and Barrens
Forest/Woodland	Southern and Central Appalachian Oak Forest
Forest/Woodland	Southern and Central Appalachian Oak Forest - Xeric
Forest/Woodland	Southern Appalachian Low Mountain Pine Forest
Forest/Woodland	Southern Appalachian Montane Pine Forest and Woodland
Forest/Woodland	Southern Coastal Plain Dry Upland Hardwood Forest

Forest/Woodland	Southern Coastal Plain Oak Dome and Hammock
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 - Loblolly Pine 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 Glade and Barrens
Forest/Woodland	Southern Piedmont Mafic Hardpan Woodland
Forest/Woodland	Southern Piedmont Mesic Forest
Forest/Woodland	Southern Piedmont Northern Triassic Basin Dry Forest
Forest/Woodland	Southern Ridge and Valley Dry Calcareous Forest
Forest/Woodland	Southern Ridge and Valley Dry Calcareous Forest - Hardwood Modifier
Forest/Woodland	Southern Ridge and Valley Dry Calcareous Forest - Pine Modifier
Forest/Woodland	Southwest Florida Coastal Strand and Maritime Hammock
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
Rock Outcrop	Central Interior Acidic Cliff and Talus
Rock Outcrop	Central Interior Calcareous Cliff and Talus
Rock Outcrop	North-Central Appalachian Acidic Cliff and Talus
Rock Outcrop	North-Central Appalachian Circumneutral Cliff and Talus
Rock Outcrop	Southern Piedmont Granite Flatrock

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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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.