



SOUTHEAST GAP ANALYSIS PROJECT



Species Modeling Report

Dark-eyed Junco

Junco hyemalis

Taxa: Avian

Order: Passeriformes

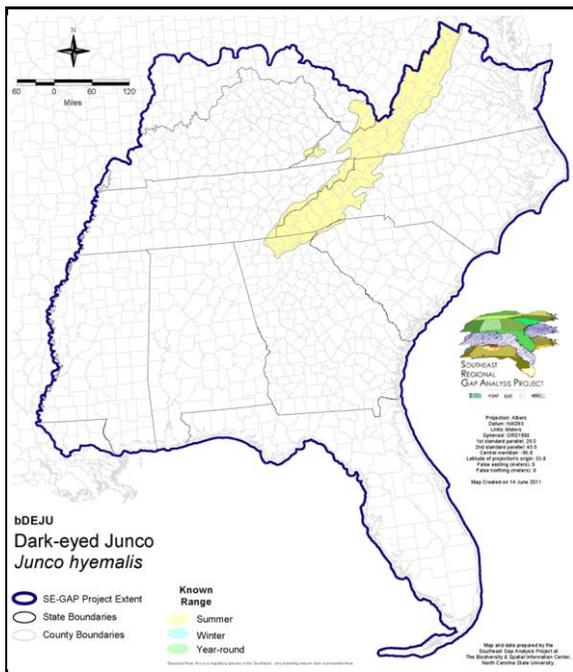
Family: Emberizidae

SE-GAP Spp Code: **bDEJU**

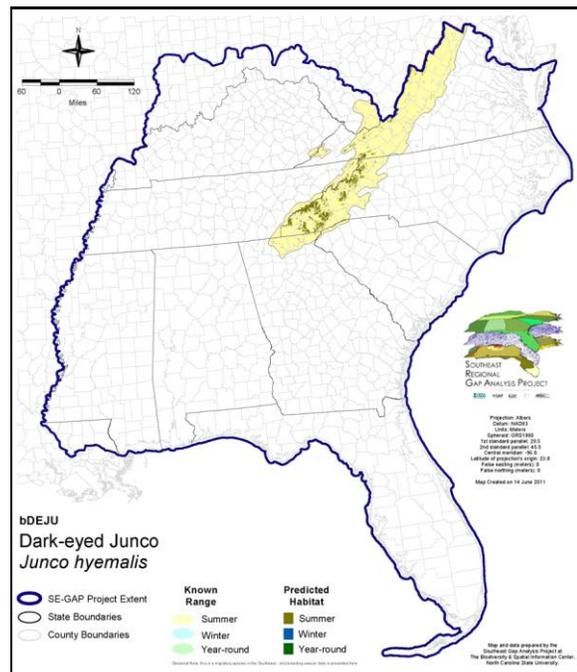
ITIS Species Code: 179410

NatureServe Element Code: ABPBXA5020

KNOWN RANGE:



PREDICTED HABITAT:



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

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

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

Data Download: http://www.basic.ncsu.edu/segap/datazip/region/vert/bDEJU_se00.zip

PROTECTION STATUS:

Reported on March 14, 2011

Federal Status: ---

State Status: ID (P), KY (S), NJ (S/S), NV (YES), NY (PB), OH (T), RI (Concern), UT (None), BC (4 (2005)), QC (Non suivie)

NS Global Rank: G5

NS State Rank: AK (S5B), AL (S5N), AR (S5N), AZ (S5), CA (SNR), CO (S5), CT (S5B,S5N), DC (S5N), DE (SNA), FL (SNRN), GA (S4?), IA (S5N), IL (S5), IN (S4S5N), KS (S5N), KY (S2S3B,S5N), LA (S4N), MA (S5), MD (S2B), ME (S5B,S5N), MI (S5), MN (SNRB,SNRN), MO (SNRN), MS (SNA), MT (S5B), MT (S5B), NC (S5B,S5N), ND (SNA), NE (S3), NH (S5), NJ (S4B,S5N), NM (S5B,S5N), NV (S5), NY (S5), OH (S2), OK (S5N), OR (S5), PA (S5B,S5N), RI (S2B), SC (SNRB,SNRN), SD (S5B,S5N), TN (S5), TX (S5), UT (S4B,S5N), VA (S4), VT (S5B,S5N), WA (S5B,S5N), WI (S3B), WI (S3B), WV (S5B,S5N), WY (S5B,S5N), AB (S5), BC (S5B), LB (S5B), MB (S5B), MB (S5B), NB (S5B), NF (S5B), NS (S5), NT (SNRB), NU (SNRB), ON (S5B), PE (S5B), QC (S5B), SK (S5), YT (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	0.0	0	6,456.3	< 1	0.0	0	0.0	0
Status 2	0.0	0	40,359.3	5	0.0	0	0.0	0
Status 3	0.0	0	179,534.3	23	0.0	0	0.0	0
Status 4	0.0	0	0.0	0	0.0	0	0.0	0
Total	0.0	0	226,350.0	29	0.0	0	0.0	0
	US Dept. of Energy		US Nat. Park Service		NOAA		Other Federal Lands	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	92,249.7	12	0.0	0	0.0	0
Status 2	0.0	0	0.0	0	0.0	0	0.0	0
Status 3	0.0	0	8,175.7	1	0.0	0	0.0	0
Status 4	0.0	0	0.0	0	0.0	0	0.0	0
Total	0.0	0	100,425.4	13	0.0	0	0.0	0
	Native Am. Reserv.		State Park/Hist. Park		State WMA/Gameland		State Forest	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	0.0	0	0.0	0	0.0	0
Status 2	0.0	0	2.1	< 1	7,102.5	< 1	0.0	0
Status 3	4,873.2	< 1	2,559.9	< 1	2,222.6	< 1	90.3	< 1
Status 4	0.0	0	0.0	0	0.0	0	0.0	0
Total	4,873.2	< 1	2,561.9	< 1	9,325.2	1	90.3	< 1
	State Coastal Reserve		ST Nat.Area/Preserve		Other State Lands		Private Cons. Easemt.	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	0.0	0	0.0	0	0.0	0
Status 2	0.0	0	1,506.3	< 1	0.0	0	0.0	0
Status 3	0.0	0	0.0	0	0.0	0	0.0	0
Status 4	0.0	0	0.0	0	0.0	0	0.0	0
Total	0.0	0	1,506.3	< 1	0.0	0	0.0	0
	Private Land - No Res.		Water		Overall Total			
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	0.0	0	98,706.1 13			
Status 2	0.0	0	0.0	0	48,970.3 6			
Status 3	0.0	0	0.0	0	197,456.0 49			
Status 4	244,289.6	32	0.7	< 1	244,290.3 32			
Total	244,289.6	32	0.7	< 1	589,422.7 100			

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: Dark eyed juncos breed in the upper elevations of the mountain region (Alsop 1991, Potter et al 1980). They are reported to breed in all habitat types within its range (Nicholson 1997), including all stages of deciduous and coniferous forests, the understory or shrub layer of mature forests, and balds of grass or heath (Simpson 1992). Nests are on sloping ground where it is hidden by ferns or grass, or in a rock crevice (Potter et al. 1980). Sometimes nests are above ground in fallen tree roots, or in a shrub or conifer up to 40 feet high (Tanner 1958).

Quoted from state habitat notes - K. Cook -5-11-05

Additional information:

Nolan et. Al (2002, IN: Birds of North America) states that a 50 % reduction in canopy of most forest types greatly increases breeding abundance of Juncos. They suggest that suitable habitat for breeding juncos includes open canopy forest or forest with a well developed understory. The authors also report that during the breeding season Juncos feed in and on the edges of forested habitats and also clearcuts. In the winter, they are more commonly observed in open grassy areas such as fields and lawns. K. Cook -5-11-05

Elevation Mask: > 1066m and < 2500m

Selected Map Units:

Functional Group	Map Unit Name
Anthropogenic	Deciduous Plantations
Anthropogenic	Evergreen Plantations
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
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 Shale Barrens
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	Cumberland Sandstone Glade and Barrens
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 Dry Upland Hardwood Forest - Offsite Pine Modifier
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	Ridge and Valley Calcareous Valley Bottom Glade and 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 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 Ridge and Valley Dry Calcareous Forest - Pine Modifier
Rock Outcrop	North-Central Appalachian Acidic Cliff and Talus
Rock Outcrop	North-Central Appalachian Circumneutral Cliff and Talus
Wetlands	Central Appalachian Floodplain - Forest Modifier
Wetlands	Central Appalachian Riparian - Forest Modifier
Wetlands	Cumberland Riverscours
Wetlands	North-Central Appalachian Acidic Swamp
Wetlands	North-Central Appalachian Seepage Fen
Wetlands	North-Central Interior and Appalachian Rich Swamp
Wetlands	Southern and Central Appalachian Bog and Fen
Wetlands	Southern Appalachian Seepage Wetland
Wetlands	Southern Piedmont Seepage Wetland
Wetlands	Southern Piedmont/Ridge and Valley Upland Depression Swamp

CITATIONS:

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Terres, J.K. 1980. The Audubon Society encyclopedia of North American birds. Alfred A. Knopf, New York.

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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.