





Eastern Screech-Owl

Megascops asio

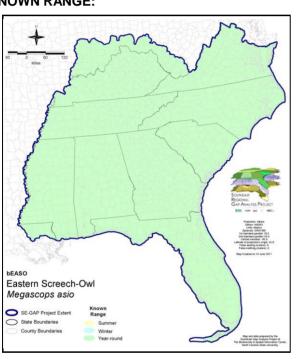
Taxa: Avian
Order: Strigiformes

Family: Strigidae

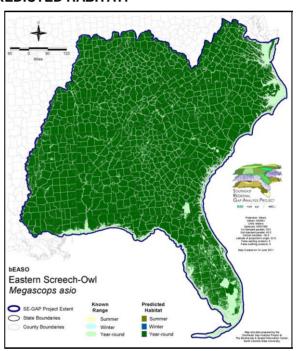
SE-GAP Spp Code: **bEASO** ITIS Species Code: 177856

NatureServe Element Code: ABNSB01030

KNOWN RANGE:



PREDICTED HABITAT:



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

GAP Online Tool Link: http://www.gapserve.ncsu.edu/segap/segap/index2.php?species=bEASO

Data Download: http://www.basic.ncsu.edu/segap/datazip/region/vert/bEASO-se00.zip

PROTECTION STATUS:

Reported on March 14, 2011

Federal Status: ---

State Status: KY (N), ME (SC), NJ (S/S), NY (PB), RI (Not Listed), ON (NAR), QC (Non suivie)

NS Global Rank: G5

NS State Rank: AL (S5), AR (S4), CO (S4B), CT (S5), DC (S1), DE (S5), FL (SNR), GA (S5), IA (S4B,S4N), IL (S5), IN (S4), KS (S5), KY (S5B,S5N), LA (S5), MA (S5), MD (S5), ME (S1S2B), MI (S5), MN (SNR), MO (SNR), MS (S5), MT (S3S4), NC (S5), ND (SNR), NE (S4), NH (S4), NJ (S4B), NY (S5), OH (S5), OK (S4S5), PA (S5), RI (S3B,S3N), SC (SNR), SD (S5), TN (S5), TX (S5B), VA (S5), VT (S4B,S4N), WI (S5B), WI (S5B), WV (S5B,S5N), WY (S3), AB (SNA), MB (S4), NB (SNA), NS (SNA), ON (S4), PE (SNA), QC (S4B), SK (S3B,S2N)

bEASO Page 1 of 7

SUMMARY OF PREDICTED HABITAT BY MANAGMENT AND GAP PROTECTION STATUS:

	l	JS FWS	S FWS US Forest Service		Tenn. Valley Author.		US DOD/ACOE	
	ha	%	ha	%	ha	%	ha	%
Status 1	128,185.9	< 1	38,371.7	< 1	0.0	0	0.0	0
Status 2	275,540.1	< 1	435,793.4	< 1	0.0	0	6,032.0	< 1
Status 3	4,145.8	< 1	3,075,491.9	3	83,856.8	< 1	896,303.6	< 1
Status 4	120.6	< 1	< 0.1	< 1	0.0	0	219.3	< 1
Total	407,992.4	< 1	3,549,657.1	3	83,856.8	< 1	902,554.9	< 1
	US Dept. of	Energy	US Nat. Park	Service		NOAA	Other Federa	l Lands
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	302,834.9	< 1	202.1	< 1	17,357.5	< 1
Status 2	0.0	0	32,012.3	< 1	11,958.2	< 1	67.8	< 1
Status 3	90,828.0	< 1	304,220.2	< 1	0.0	0	8,387.1	< 1
Status 4	0.0	0	1.0	< 1	0.0	0	0.0	0
Total	90,828.0	< 1	639,068.9	< 1	12,160.4	< 1	25,812.4	< 1
	Native Am. Reserv.		State Park/Hist. Park		State WMA/Gameland		State Forest	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	1,746.2	< 1	82.5	< 1	0.0	0
Status 2	0.0	0	21,109.3	< 1	927,464.0	< 1	1,471.9	< 1
Status 3	28,339.7	< 1	792,882.6	< 1	282,020.1	< 1	466,801.4	< 1
Status 4	0.0	0	< 0.1	< 1	153,925.4	< 1	49.1	< 1
Total	28,339.7	< 1	815,738.2	< 1	1,363,492.1	1	468,322.3	< 1
	State Coastal F	Reserve	ST Nat.Area/Pi	eserve	Other State	e Lands	Private Cons. E	asemt.
	ha	%	ha	%	ha	%	ha	.use %
Status 1	0.0	0	16,486.7	< 1	0.0	0	0.0	0
Status 2	14,838.3	< 1	111,714.3	< 1	7.0	< 1	4,439.5	< 1
Status 3	0.0	0	28,934.7	< 1	40,376.3	< 1	173,575.3	<1
Status 4	0.0	0	2.1	< 1	5,791.0	< 1	< 0.1	< 1
Total	14,838.3	< 1	157,137.8	< 1	46,174.3	< 1	178,014.9	< 1
	Private Land - I	No Res		Water		ı	Overa	ıll Total
	ha	% %	ha	water %			ha	rotai %
Status 1	0.0	0	0.0	0			505,267.6	< 1
Status 2	0.0	< 1	0.0	< 1			1,842,448.5	2
Status 3	1,289.1	<1	1.1	< 1			6,277,453.7	9
Status 4	92,579,047.0	88	68,001.0	< 1			92,960,962.1	89
Total	92,580,336.3	88	68,002.3	<1			101,586,132.0	100
iotai	32,300,330.3	00	06,002.3				101,300,132.0	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.

bEASO Page 2 of 7

PREDICTED HABITAT MODEL(S):

Year-round Model:

Habitat Description:

This owl forages in open fields, clearings and edges (Hamel 1992). In south-central lowa, the highest use of nest boxes occurred in riparian sites (Iowa Bird Life, 1990). They use open woodland, deciduous forest, orchards, woodland/forest edge, swamps, parklands, residential areas in towns, scrub, and riparian woodland in drier regions. Evergreen woodland/ forest is little used in northeastern U.S (NATURESERVE). However it is reported that they may favor pine woods and mixed woods over bottomlands and swamps (Hammel 1992). Habitats with the greatest use included red maple woodland (41.2%), lawn (16.0%), and edge (9.0%) (Smith & Gilbert 1984). In urban or suburban yards, parks, and greenbelts the only requirement appears to the presence of a cavity tree or nest box (Gehlbach 1995).

Eastern screech owls nest in open to medium growth pine, deciduous, or mixed forests; also in agricultural, suburban, scrub and riparian woods (Ehrlich et al. 1988, Nicholson 1997). Will nest in parks and suburban areas that provide large shade trees with cavities for nesting (Johnsgard 1988). Generally nests in tree cavities, such as abandoned Pileated Woodpecker and Flicker holes (Harrison 1975), but also hollow stumps (Ehrlich et al.1988), crevices in buildings, birdhouses, and nest boxes (Ehrlich et al.1988), particularly those made specifically for owls or Wood Ducks (Nicholson 1997). Nests have been found in cavities ranging from 1.5 m to 16.8 m above ground (Harrison 1975, Duley 1979); an average cavity depth of 31 cm has been suggested as an important factor (Belthoff and Ritchison 1990).

Regarding spatial habitat characteristics, total observed home range for males was 103.4 ha with a maximum diameter of 1.27 km; and for females it was 130.2 ha with a maximum diameter of 1.55 km. Home range is largest while a female is selecting a nest, and smallest during egg laying, incubation, and care of young (Smith & Gilbert 1984). # Home range size of 136 acres (Schoener 1968).

Quoted directly from existing state habitat notes - K. Cook, 17Feb05

Elevation Mask: < 1371m

Functional Group	Map Unit Name				
Anthropogenic	Deciduous Plantations				
Anthropogenic	Developed Open Space				
Anthropogenic	Evergreen Plantations				
Anthropogenic	Low Intensity Developed				
Anthropogenic	Pasture/Hay				
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	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				

bEASO Page 3 of 7

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 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

bEASO Page 4 of 7

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 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

Wetlands Atlantic Coastal Plain Blackwater Stream Floodplain Forest - Forest Modifier

Wetlands Atlantic Coastal Plain Brownwater Stream Floodplain Forest
Wetlands Atlantic Coastal Plain Clay-Based Carolina Bay Forested Wetland

Wetlands Atlantic Coastal Plain Nonriverine Swamp and Wet Hardwood Forest - Taxodium/Nyssa Modifier
Wetlands Atlantic Coastal Plain Nonriverine Swamp and Wet Hardwood Forest - Oak Dominated Modifier

Wetlands Atlantic Coastal Plain Northern Basin Peat Swamp

Wetlands Atlantic Coastal Plain Northern Basin Swamp and Wet Hardwood Forest
Wetlands Atlantic Coastal Plain Northern Wet Longleaf Pine Savanna and Flatwoods

Wetlands Atlantic Coastal Plain Peatland Pocosin

Wetlands Atlantic Coastal Plain Small Blackwater River Floodplain Forest
Wetlands Atlantic Coastal Plain Small Brownwater River Floodplain Forest
Wetlands Atlantic Coastal Plain Southern Wet Pine Savanna and Flatwoods
Wetlands Atlantic Coastal Plain Streamhead Seepage Swamp, Pocosin, and Baygall

Wetlands Atlantic Coastal Plain Xeric River Dune

Wetlands Central Appalachian Floodplain - Forest Modifier
Wetlands Central Appalachian Riparian - Forest Modifier

Wetlands Central Florida Pine Flatwoods

Wetlands Central Interior Highlands and Appalachian Sinkhole and Depression Pond

Wetlands East Gulf Coastal Plain Interior Shrub Bog

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 Large River Floodplain Forest - Forest Modifier Wetlands East Gulf Coastal Plain Near-Coast Pine Flatwoods - Offsite Hardwood Modifier 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 Northern Seepage Swamp Wetlands Wetlands East Gulf Coastal Plain Small Stream and River Floodplain Forest Wetlands East Gulf Coastal Plain Southern Loblolly-Hardwood Flatwoods Wetlands Lower Mississippi River Bottomland and Floodplain Forest Wetlands Lower Mississippi River Bottomland Depressions - Forest Modifier Wetlands Mississippi River Low Floodplain (Bottomland) Forest Wetlands Mississippi River Riparian Forest Wetlands North-Central Appalachian Acidic Swamp Wetlands North-Central Appalachian Seepage Fen Wetlands North-Central Interior and Appalachian Rich Swamp Wetlands South Florida Bayhead Swamp Wetlands South Florida Cypress Dome Wetlands South Florida Dwarf Cypress Savanna Wetlands South Florida Hardwood Hammock South Florida Pine Flatwoods Wetlands Wetlands South Florida Willow Head Wetlands South-Central Interior Large Floodplain - Forest Modifier Wetlands South-Central Interior Small Stream and Riparian Wetlands South-Central Interior/Upper Coastal Plain Wet Flatwoods Wetlands Southern and Central Appalachian Bog and Fen Wetlands Southern Coastal Plain Blackwater River Floodplain Forest Wetlands Southern Coastal Plain Hydric Hammock Wetlands Southern Coastal Plain Nonriverine Basin Swamp Wetlands Southern Coastal Plain Nonriverine Cypress Dome Wetlands Southern Coastal Plain Seepage Swamp and Baygall Wetlands Southern Piedmont Large Floodplain Forest - Forest Modifier Wetlands Southern Piedmont Seepage Wetland Southern Piedmont Small Floodplain and Riparian Forest Wetlands

CITATIONS:

Wetlands

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bEASO Page 6 of 7

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For more information:: SE-GAP Analysis Project / BaSIC

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