



SOUTHEAST GAP ANALYSIS PROJECT



Species Modeling Report

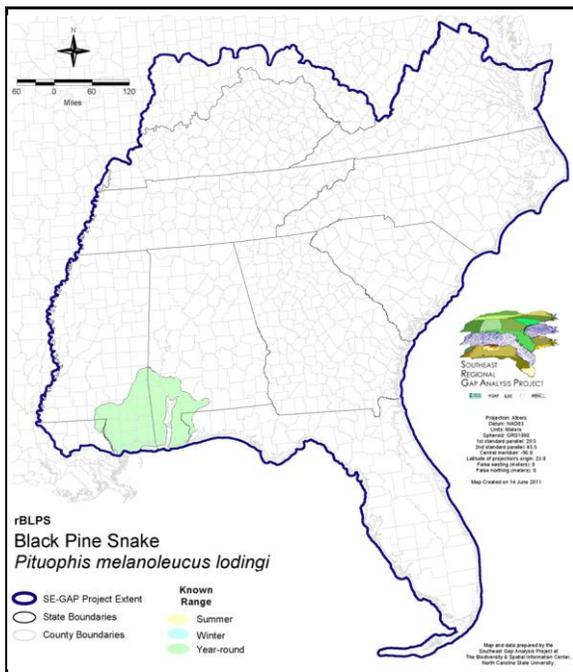
Black Pine Snake

Pituophis melanoleucus lodingi

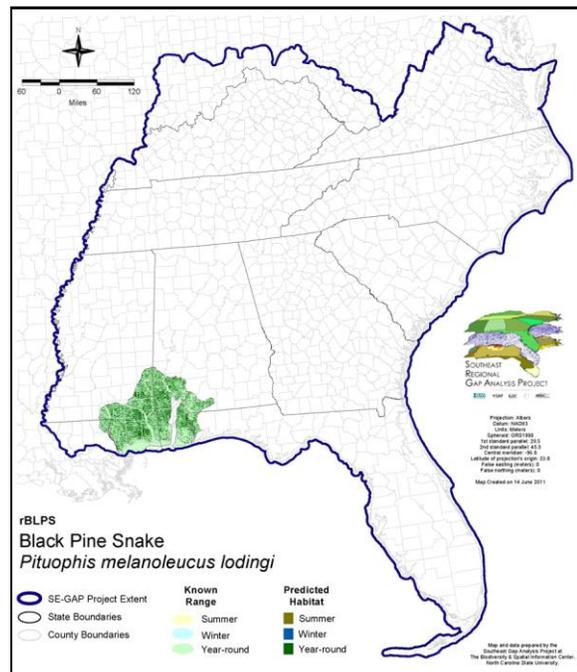
Taxa: Reptilian
 Order: Squamata
 Family: Colubridae

SE-GAP Spp Code: **rBLPS**
 ITIS Species Code: 209395
 NatureServe Element Code: ARADB26011

KNOWN RANGE:



PREDICTED HABITAT:



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

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

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

Data Download: http://www.basic.ncsu.edu/segap/datazip/region/vert/rBLPS_se00.zip

PROTECTION STATUS:

Reported on March 14, 2011

Federal Status: C
 State Status: AL (SP), MS (LE)
 NS Global Rank: G4T2T3
 NS State Rank: AL (S2), LA (S1), MS (S2)

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	4,121.5	< 1	69.0	< 1	0.0	0	0.0	0
Status 2	156.2	< 1	4,871.6	< 1	0.0	0	0.0	0
Status 3	0.0	0	148,235.0	9	0.0	0	224.0	< 1
Status 4	0.0	0	0.0	0	0.0	0	0.0	0
Total	4,277.6	< 1	153,175.7	9	0.0	0	224.0	< 1
	US Dept. of Energy		US Nat. Park Service		NOAA		Other Federal Lands	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	0.0	0	0.0	0	0.0	0
Status 2	0.0	0	94.2	< 1	235.0	< 1	0.0	0
Status 3	0.0	0	0.0	0	0.0	0	1,904.1	< 1
Status 4	0.0	0	0.0	0	0.0	0	0.0	0
Total	0.0	0	94.2	< 1	235.0	< 1	1,904.1	< 1
	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	20.7	< 1	4,921.3	< 1	0.0	0
Status 3	7.0	< 1	1,547.8	< 1	7,562.4	< 1	9.1	< 1
Status 4	0.0	0	0.0	0	11,723.0	< 1	0.0	0
Total	7.0	< 1	1,568.5	< 1	24,206.7	1	9.1	< 1
	State Coastal Reserve		ST Nat.Area/Preserve		Other State Lands		Private Cons. Easemt.	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	1,395.6	< 1	0.0	0	0.0	0
Status 2	1,037.2	< 1	319.1	< 1	0.0	0	278.6	< 1
Status 3	0.0	0	20.9	< 1	28.3	< 1	71.3	< 1
Status 4	0.0	0	0.0	0	0.0	0	0.0	0
Total	1,037.2	< 1	1,735.6	< 1	28.3	< 1	349.9	< 1
	Private Land - No Res.		Water		Overall Total			
	ha	%	ha	%	ha	%		
Status 1	0.0	0	0.0	0	5,586.1	< 1		
Status 2	0.0	0	0.0	< 1	11,934.0	< 1		
Status 3	1.4	< 1	0.0	0	159,611.4	19		
Status 4	1,269,176.2	78	360.9	< 1	1,292,983.0	80		
Total	1,269,177.7	78	361.1	< 1	1,470,114.5	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):

Year-round Model:

Habitat Description: Pine snakes inhabit xeric environments (Mount 1975). They are most commonly associated with sandy habitats of longleaf pine, turkey oak, sandhills, and pine dry flatwoods (Mount 1975, FL-GAP 2002). Typically, these pine snakes are rarely found in riparian zones, hardwoods, or closed canopy conditions (NatureServe 2005). Amy Silvano 23Aug 05

Ecosystem Classifiers: Evergreen (Longleaf only), Maritime Forests, & Bare Sand, Flatwoods. Amy Silvano 23Aug05

Selected Map Units:

Functional Group	Map Unit Name
Anthropogenic	Bare Sand
Anthropogenic	Bare Soil
Forest/Woodland	East Gulf Coastal Plain Interior Upland Longleaf Pine Woodland - Loblolly 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 Maritime Forest
Forest/Woodland	Mississippi Delta Maritime Forest
Wetlands	East Gulf Coastal Plain Near-Coast Pine Flatwoods - Open Understory Modifier
Wetlands	East Gulf Coastal Plain Near-Coast Pine Flatwoods - Scrub/Shrub Understory Modifier

CITATIONS: Mount, R. H. 1975. The Reptiles and Amphibians of Alabama. Auburn University Agricultural Experiment Station, Auburn, Alabama. vii + 347 pp.

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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.