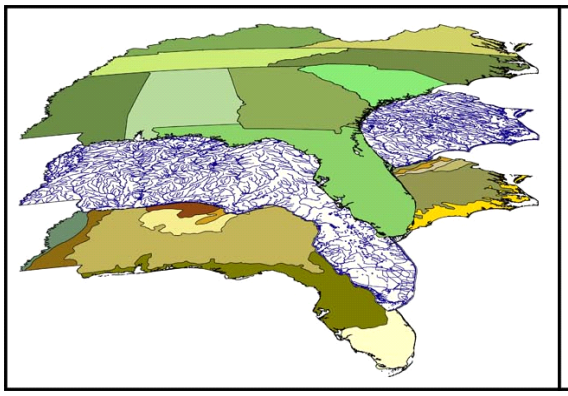


# SOUTHEAST GAP ANALYSIS PROJECT

# Species Modeling Report

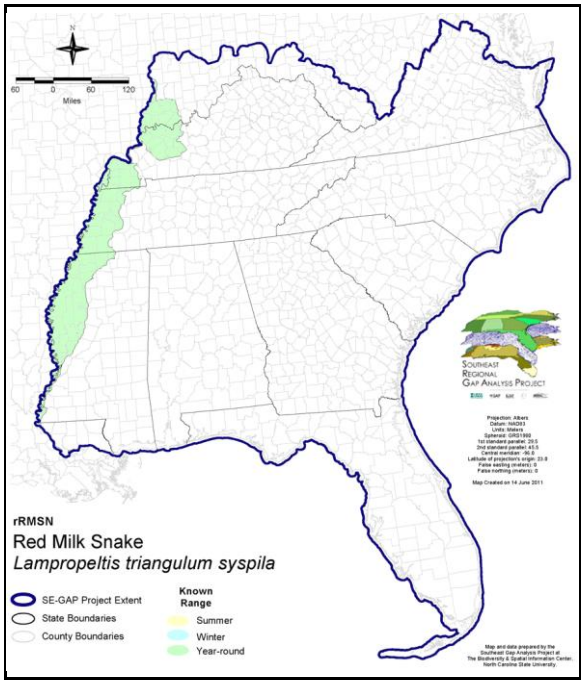
## Red Milk Snake

*Lampropeltis triangulum syspila*

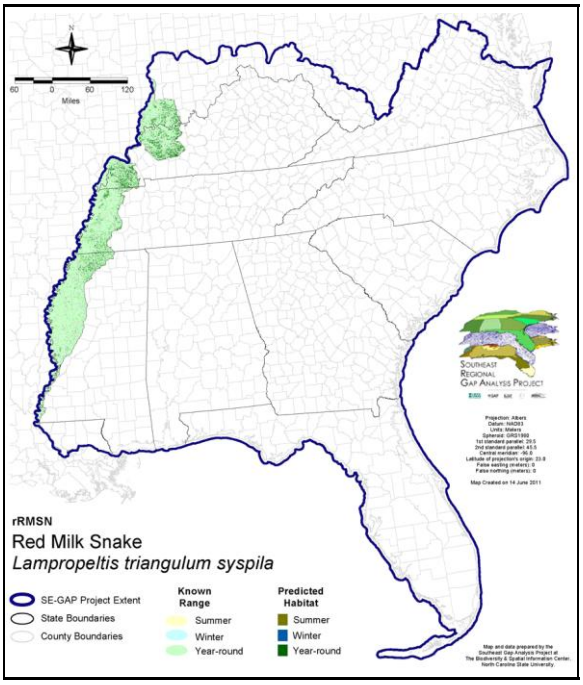
Taxa: Reptilian
Order: Squamata
Family: Colubridae

SE-GAP Spp Code: **rRMSN**
ITIS Species Code: 209238
NatureServe Element Code: ARADB19057

### KNOWN RANGE:




### PREDICTED HABITAT:




Range Map Link: http://www.basic.ncsu.edu/segap/datazip/maps/SE_Range_rRMSN.pdf
Predicted Habitat Map Link: http://www.basic.ncsu.edu/segap/datazip/maps/SE_Dist_rRMSN.pdf
GAP Online Tool Link: http://www.gapserve.ncsu.edu/segap/segap/index2.php?species=rRMSN
Data Download: http://www.basic.ncsu.edu/segap/datazip/region/vert/rRMSN_se00.zip

### PROTECTION STATUS:

Reported on March 14, 2011

Federal Status: ---
State Status: KY (N), MS (Non-game species in need of management)
NS Global Rank: G5T5
NS State Rank: AL (S2), AR (S4), IL (S4), IN (S4), KY (S3S4), MO (S5), MS (S3?), SD (S4)

## 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 | 17.6 | < 1 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 |
| Status 2 | 3,416.5 | < 1 | 0.5 | < 1 | 0.0 | 0 | 0.0 | 0 |
| Status 3 | 0.0 | 0 | 138.2 | < 1 | 0.0 | 0 | 32.2 | < 1 |
| Status 4 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 |
| Total | 3,434.1 | < 1 | 138.8 | < 1 | 0.0 | 0 | 32.2 | < 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 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 |
| Status 3 | 0.0 | 0 | 1.4 | < 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 | 1.4 | < 1 | 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 | 0.0 | 0 | 11,095.1 | 2 | 0.0 | 0 |
| Status 3 | 0.0 | 0 | 242.0 | < 1 | 1,706.5 | < 1 | 40.6 | < 1 |
| Status 4 | 0.0 | 0 | 0.0 | 0 | 24.6 | < 1 | 0.0 | 0 |
| Total | 0.0 | 0 | 242.0 | < 1 | 12,826.2 | 2 | 40.6 | < 1 |

| | State Coastal Reserve | | ST Nat.Area/Preserve | | Other State Lands | | Private Cons. Easemt. | |
|---|---|---|---|---|---|---|---|---|
| | ha | % | ha | % | ha | % | ha | % |
| Status 1 | 0.0 | 0 | 31.8 | < 1 | 0.0 | 0 | 0.0 | 0 |
| Status 2 | 0.0 | 0 | 317.3 | < 1 | 0.0 | 0 | 0.0 | 0 |
| Status 3 | 0.0 | 0 | 0.0 | 0 | 1,214.6 | < 1 | 1,415.5 | < 1 |
| Status 4 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 |
| Total | 0.0 | 0 | 349.1 | < 1 | 1,214.6 | < 1 | 1,415.5 | < 1 |

| | Private Land - No Res. | | Water | | Overall Total | |
|---|---|---|---|---|---|---|
| | ha | % | ha | % | ha | % |
| Status 1 | 0.0 | 0 | 0.0 | 0 | 49.4 | < 1 |
| Status 2 | 0.0 | 0 | 0.0 | 0 | 14,829.5 | 3 |
| Status 3 | 0.0 | 0 | 0.0 | 0 | 4,791.1 | < 1 |
| Status 4 | 561,985.5 | 97 | 476.0 | < 1 | 562,510.6 | 97 |
| Total | 561,985.5 | 97 | 476.0 | < 1 | 582,180.6 | 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: The red milk snake occupy variety of habitats from woodlands and rocky hillsides to open farmlands (Conant & Collins 1998). They can be found under flat rocks along sparsely wooded or grassy hillsides and limestone ledges as well as in pastures, glades, prairie ledges and woodland edges (Williams 1988). Optimal conditions for this species would include an open woodland with grassy areas and an abundance of flat rock to provide shelter (Williams 1988). Amy Silvano

**Very little information regarding this subspecies is available. Amy Silvano 22aut05

Ecosystem Classifers: Select all MU's within Ecostone Buffer to get at woodland affinity. Amy Silvano 22Aug05

Mask of Forest/Open Ecotone: Include within 250m of ecotone edge.

Mask of Woodlands and Shrublands: Include all woodland and shrubland interiors and 250m buffer from them.

Selected Map Units:

| Functional Group | Map Unit Name |
|---|---|
| Anthropogenic | Pasture/Hay |
| Anthropogenic | Successional Grassland/Herbaceous |
| Anthropogenic | Successional Grassland/Herbaceous (Other) |
| Anthropogenic | Successional Grassland/Herbaceous (Utility Swath) |
| Forest/Woodland | Central Interior Highlands Calcareous Glade and Barrens |
| Forest/Woodland | East Gulf Coastal Plain Northern Dry Upland Hardwood Forest |
| Forest/Woodland | Northeastern Interior Dry Oak Forest-Hardwood Modifier |
| Forest/Woodland | Southern Interior Low Plateau Dry-Mesic Oak Forest |
| 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 | Pennyroyal Karst Plain Prairie and Barrens |
| Prairie | Western Highland Rim Prairie and Barrens |
| Wetlands | East Gulf Coastal Plain Jackson Plain Dry Flatwoods - Open Understory Modifier |

## CITATIONS:

Conant, R. and J.T. Collins. 1998. A field guide to the reptiles and amphibians: eastern and central North America. Houghton Mifflin, Boston. 616 p.

Williams, K.L. 1988. Systematics and Natural History of the American Milk Snake, Lampropeltis triangulum. Milwaukee Public Museum. Milwaukee. 176 Pp.

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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.