



# SOUTHEAST GAP ANALYSIS PROJECT



## Species Modeling Report

### Fence/prairie/plateau Lizard

*Sceloporus undulatus*

Taxa: Reptilian

Order: Squamata

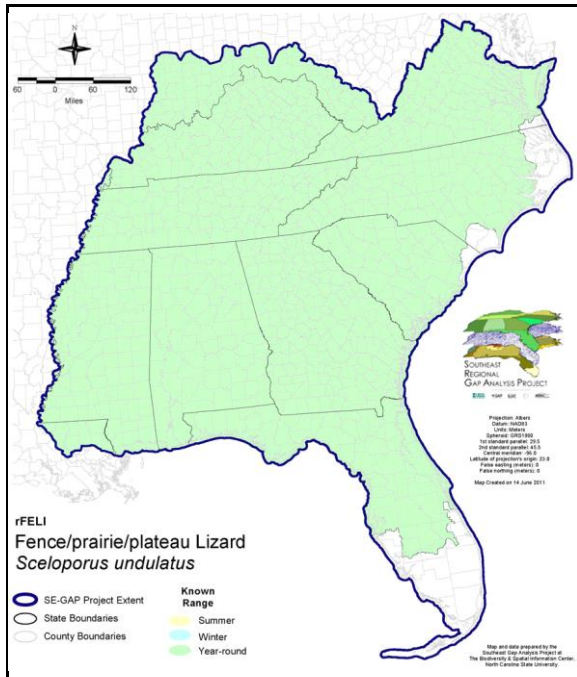
Family: Phrynosomatidae

SE-GAP Spp Code: **rFELI**

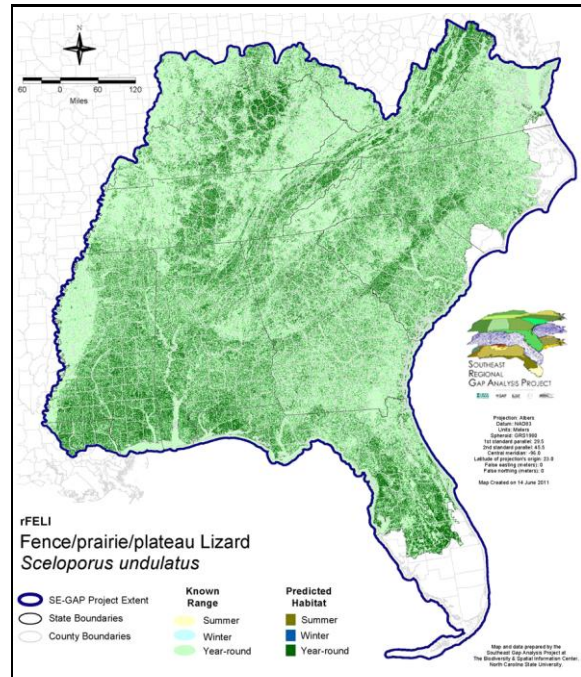
ITIS Species Code: 173865

NatureServe Element Code: ARACF14130

#### KNOWN RANGE:



#### PREDICTED HABITAT:



Range Map Link: [http://www.basic.ncsu.edu/segap/datazip/maps/SE\\_Range\\_rFELI.pdf](http://www.basic.ncsu.edu/segap/datazip/maps/SE_Range_rFELI.pdf)

Predicted Habitat Map Link: [http://www.basic.ncsu.edu/segap/datazip/maps/SE\\_Dist\\_rFELI.pdf](http://www.basic.ncsu.edu/segap/datazip/maps/SE_Dist_rFELI.pdf)

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

Data Download: [http://www.basic.ncsu.edu/segap/datazip/region/vert/rFELI\\_se00.zip](http://www.basic.ncsu.edu/segap/datazip/region/vert/rFELI_se00.zip)

#### PROTECTION STATUS:

Reported on March 14, 2011

Federal Status: ---

State Status: KY (N), MS (Non-game species in need of management), NE (NC), NY (T), UT (None)

NS Global Rank: G5

NS State Rank: AL (S5), AR (S5), AZ (SNR), CO (S5), DC (SH), DE (S5), FL (SNR), GA (S5), IL (S5), IN (S4), KS (S5), KY (S5), LA (S5), MD (S5), MO (SNR), MS (S5), NC (S5), NE (S5), NJ (SNR), NM (S5), NY (S1), OH (SNR), OK (S5), PA (S3S4), SC (SNR), SD (S2), TN (S5), TX (S5), UT (S4S5), VA (S5), WV (S5), WY (S3)

**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 | 19,023.7               | < 1 | 3,308.4               | < 1 | 0.0                  | 0   | 0.0                   | 0   |
| Status 2 | 34,714.8               | < 1 | 70,054.9              | < 1 | 0.0                  | 0   | 1,018.2               | < 1 |
| Status 3 | 32.0                   | < 1 | 748,849.6             | 2   | 19,861.5             | < 1 | 347,727.9             | 1   |
| Status 4 | 8.2                    | < 1 | 0.0                   | 0   | 0.0                  | 0   | 217.1                 | < 1 |
| Total    | 53,778.7               | < 1 | 822,212.9             | 3   | 19,861.5             | < 1 | 348,963.1             | 1   |
|          | US Dept. of Energy     |     | US Nat. Park Service  |     | NOAA                 |     | Other Federal Lands   |     |
|          | ha                     | %   | ha                    | %   | ha                   | %   | ha                    | %   |
| Status 1 | 0.0                    | 0   | 15,563.3              | < 1 | 59.0                 | < 1 | 5,193.1               | < 1 |
| Status 2 | 0.0                    | 0   | 7,216.3               | < 1 | 4,351.1              | < 1 | 39.9                  | < 1 |
| Status 3 | 35,973.2               | < 1 | 24,479.5              | < 1 | 0.0                  | 0   | 3,210.2               | < 1 |
| Status 4 | 0.0                    | 0   | 1.0                   | 5   | 0.0                  | 0   | 0.0                   | 0   |
| Total    | 35,973.2               | < 1 | 47,260.5              | < 1 | 4,410.0              | < 1 | 8,443.2               | < 1 |
|          | Native Am. Reserv.     |     | State Park/Hist. Park |     | State WMA/Gameland   |     | State Forest          |     |
|          | ha                     | %   | ha                    | %   | ha                   | %   | ha                    | %   |
| Status 1 | 0.0                    | 0   | 336.2                 | < 1 | 2.2                  | < 1 | 0.0                   | 0   |
| Status 2 | 0.0                    | 0   | 2,230.3               | < 1 | 126,319.1            | < 1 | 5.9                   | < 1 |
| Status 3 | 5,660.6                | < 1 | 168,594.9             | < 1 | 43,726.6             | < 1 | 164,705.9             | < 1 |
| Status 4 | 0.0                    | 0   | 0.0                   | 0   | 43,361.8             | < 1 | 33.3                  | < 1 |
| Total    | 5,660.6                | < 1 | 171,161.4             | < 1 | 213,409.6            | < 1 | 164,745.0             | < 1 |
|          | State Coastal Reserve  |     | ST Nat.Area/Preserve  |     | Other State Lands    |     | Private Cons. Easemt. |     |
|          | ha                     | %   | ha                    | %   | ha                   | %   | ha                    | %   |
| Status 1 | 0.0                    | 0   | 2,411.9               | < 1 | 0.0                  | 0   | 0.0                   | 0   |
| Status 2 | 1,726.6                | < 1 | 14,964.5              | < 1 | 1.4                  | < 1 | 894.2                 | < 1 |
| Status 3 | 0.0                    | 0   | 9,987.4               | < 1 | 8,742.7              | < 1 | 60,596.5              | < 1 |
| Status 4 | 0.0                    | 0   | 0.0                   | 0   | 1,485.2              | < 1 | < 0.1                 | < 1 |
| Total    | 1,726.6                | < 1 | 27,363.8              | < 1 | 10,229.2             | < 1 | 61,490.7              | < 1 |
|          | Private Land - No Res. |     | Water                 |     | Overall Total        |     |                       |     |
|          | ha                     | %   | ha                    | %   | ha                   | %   | ha                    | %   |
| Status 1 | 0.0                    | 0   | 0.0                   | 0   | 45,897.6 < 1         |     |                       |     |
| Status 2 | 0.0                    | 0   | 0.0                   | 5   | 263,537.0 < 1        |     |                       |     |
| Status 3 | 39.3                   | < 1 | 1.0                   | < 1 | 1,642,188.6 8        |     |                       |     |
| Status 4 | 27,575,904.5           | 91  | 6,493.0               | < 1 | 27,670,858.3 91      |     |                       |     |
| Total    | 27,575,943.8           | 91  | 6,494.1               | < 1 | 29,622,481.5 100     |     |                       |     |

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: Favors open, dry, pine habitats, but may be found in mixed forest or at ecotone edges of pine and hardwoods (Wilson 1995). In Florida, prefers sandy pinewoods and mixed woodlands as well as oaks in residential areas (Bartlett and Bartlett 1999). M. Rubino, 9mar05.

### Selected Map Units:

| Functional Group | Map Unit Name   |
|------------------|---|
| Anthropogenic    | Low Intensity Developed   |
| Anthropogenic    | Medium Intensity Developed  |
| Anthropogenic    | Pasture/Hay   |
| Forest/Woodland  | Alabama Ketona Glade and Woodland   |
| Forest/Woodland  | Allegheny-Cumberland Dry Oak Forest and Woodland - Pine Modifier                                    |
| Forest/Woodland  | Appalachian Shale Barrens   |
| Forest/Woodland  | Atlantic Coastal Plain Central Maritime 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 - Open Understory Modifier        |
| Forest/Woodland  | Atlantic Coastal Plain Fall-line Sandhills Longleaf Pine Woodland - Scrub/Shrub Understory Modifier |
| Forest/Woodland  | Atlantic Coastal Plain Southern Maritime Forest   |
| Forest/Woodland  | Atlantic Coastal Plain Upland Longleaf Pine Woodland  |
| 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 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 - 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  | East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland - Juniper Modifier                  |
| 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  | 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  | Ridge and Valley Calcareous Valley Bottom Glade and Woodland  |
| Forest/Woodland  | South Florida Pine Rockland   |
| Forest/Woodland  | Southeastern Interior Longleaf Pine Woodland  |
| Forest/Woodland  | Southern Appalachian Low Mountain Pine Forest   |
| Forest/Woodland  | Southern Coastal Plain Oak Dome and Hammock   |
| 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 - 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     | Allegheny-Cumberland Sandstone Box Canyon and Rockhouse   |
| 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 Interior Calcareous Cliff  |
| Rock Outcrop | Southern Piedmont Cliff   |
| Wetlands     | Atlantic Coastal Plain Southern Wet Pine Savanna and Flatwoods                      |
| Wetlands     | Central Florida Pine Flatwoods  |
| Wetlands     | East Gulf Coastal Plain Near-Coast Pine Flatwoods - Offsite Hardwood Modifier       |
| 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 |
| Wetlands     | East Gulf Coastal Plain Southern Loblolly-Hardwood Flatwoods                        |
| Wetlands     | South Florida Hardwood Hammock  |
| Wetlands     | South Florida Pine Flatwoods  |

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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.