



SOUTHEAST GAP ANALYSIS PROJECT



Species Modeling Report

Southern Cricket Frog

Acris gryllus

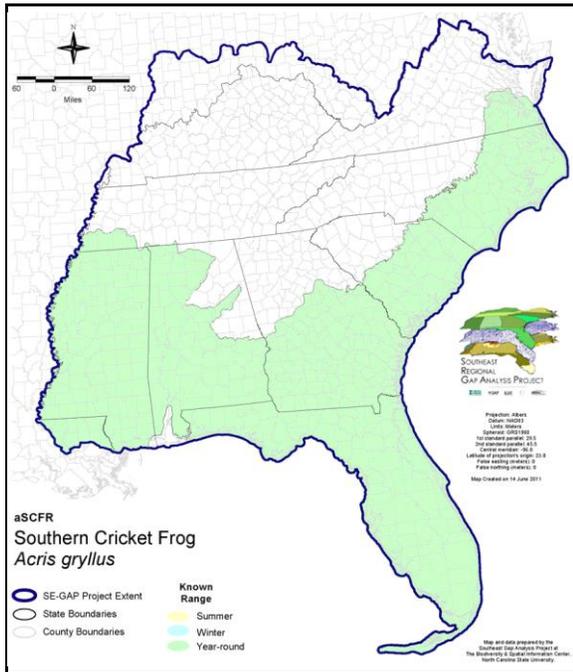
Taxa: Amphibian
 Order: Anura
 Family: Hylidae

SE-GAP Spp Code: **aSCFR**

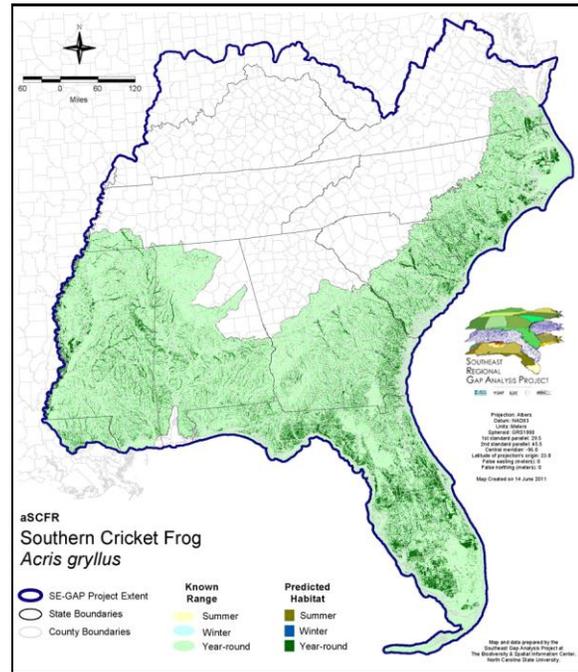
ITIS Species Code: 173518

NatureServe Element Code: AAABC01020

KNOWN RANGE:



PREDICTED HABITAT:



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

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

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

Data Download: http://www.basic.ncsu.edu/segap/datazip/region/vert/aSCFR_se00.zip

PROTECTION STATUS:

Reported on March 14, 2011

Federal Status: ---

State Status: MS (Non-game species in need of management)

NS Global Rank: G5

NS State Rank: AL (S5), FL (SNR), GA (S5), LA (S5), MS (S5), NC (S5), SC (SNR), TN (S4), VA (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 | 80,103.1 | < 1 | 4,722.9 | < 1 | 0.0 | 0 | 0.0 | 0 |
| Status 2 | 144,696.9 | 1 | 29,300.0 | < 1 | 0.0 | 0 | 535.1 | < 1 |
| Status 3 | 626.8 | < 1 | 333,304.4 | 3 | 2,123.1 | < 1 | 130,862.2 | 1 |
| Status 4 | 23.6 | < 1 | < 0.1 | < 1 | 0.0 | 0 | 8.1 | < 1 |
| Total | 225,450.3 | 2 | 367,327.4 | 3 | 2,123.1 | < 1 | 131,405.3 | 1 |
| | US Dept. of Energy | | US Nat. Park Service | | NOAA | | Other Federal Lands | |
| | ha | % | ha | % | ha | % | ha | % |
| Status 1 | 0.0 | 0 | 31,265.7 | < 1 | 9.3 | < 1 | 6,820.2 | < 1 |
| Status 2 | 0.0 | 0 | 2,790.3 | < 1 | 1,198.4 | < 1 | 12.2 | < 1 |
| Status 3 | 18,019.8 | < 1 | 153,795.6 | 1 | 0.0 | 0 | 1,204.1 | < 1 |
| Status 4 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 |
| Total | 18,019.8 | < 1 | 187,851.6 | 2 | 1,207.7 | < 1 | 8,036.5 | < 1 |
| | Native Am. Reserv. | | State Park/Hist. Park | | State WMA/Gameland | | State Forest | |
| | ha | % | ha | % | ha | % | ha | % |
| Status 1 | 0.0 | 0 | 80.0 | < 1 | 0.0 | 0 | 0.0 | 0 |
| Status 2 | 0.0 | 0 | 587.3 | < 1 | 304,934.5 | 3 | 0.0 | 0 |
| Status 3 | 2,206.4 | < 1 | 387,479.6 | 3 | 71,058.5 | < 1 | 165,412.6 | 1 |
| Status 4 | 0.0 | 0 | < 0.1 | < 1 | 10,102.1 | < 1 | 5.9 | < 1 |
| Total | 2,206.4 | < 1 | 388,147.1 | 3 | 386,095.1 | 3 | 165,418.5 | 1 |
| | State Coastal Reserve | | ST Nat.Area/Preserve | | Other State Lands | | Private Cons. Easemt. | |
| | ha | % | ha | % | ha | % | ha | % |
| Status 1 | 0.0 | 0 | 1,481.5 | < 1 | 0.0 | 0 | 0.0 | 0 |
| Status 2 | 9,138.6 | < 1 | 35,616.8 | < 1 | 0.0 | 0 | 1,824.6 | < 1 |
| Status 3 | 0.0 | 0 | 18,381.6 | < 1 | 6,989.9 | < 1 | 84,047.0 | < 1 |
| Status 4 | 0.0 | 0 | 0.0 | 0 | 894.2 | < 1 | 0.0 | 0 |
| Total | 9,138.6 | < 1 | 55,479.9 | < 1 | 7,884.0 | < 1 | 85,871.6 | < 1 |
| | Private Land - No Res. | | Water | | Overall Total | | | |
| | ha | % | ha | % | ha | % | ha | % |
| Status 1 | 0.0 | 0 | 0.0 | 0 | 124,482.7 1 | | | |
| Status 2 | 0.0 | 0 | 0.0 | 0 | 530,634.5 5 | | | |
| Status 3 | 456.8 | < 1 | 0.0 | 0 | 1,375,968.3 15 | | | |
| Status 4 | 9,011,272.7 | 79 | 25,041.7 | < 1 | 9,057,426.8 79 | | | |
| Total | 9,011,729.4 | 79 | 25,041.7 | < 1 | 11,088,512.3 100 | | | |

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: Southern cricket frogs are found in both permanent and semi-permanent habitats where they thrive in densely vegetated places. This species is found mostly in grassy margins of swamps, marshes, lakes, ponds, streams, ditches, bogs, and nearby temporary pools. Southern cricket frogs also prefers open-canopied forests with extensive emergent vegetation or water's edge grasses. Typical forest cover types include mixed pine-hardwoods, pinelands, gum swamps, and others. Throughout the southeastern coastal plain the southern cricket frog is a common resident of Longleaf Pine communities (Guyer and Bailey 1993) and in Florida A.g. dorsalis are commonly found at the edges of sphagnum swamps (Bartlett and Bartlett 1999). ALS Jan 05.

Ecosystem Classifiers: Mesic Mixed Forests, Mesic Pinelands, freshwater wetland vegetation (Flatwoods, bottomlands etc) excluding Central Appalachians. Hydrophilic species

Hydrography Mask:

Freshwater Only

Slow Current Only

Utilizes flowing water features with buffers of 30m from and 30m into selected water features.

Utilizes open water features with buffers of 30m from and 30m into selected water features.

Utilizes wet vegetation features with buffers of 30m from and unlimited into selected vegetation features.

Selected Map Units:

| Functional Group | Map Unit Name |
|------------------|---|
| Anthropogenic | Low Intensity Developed |
| Forest/Woodland | Atlantic Coastal Plain Fall-Line Sandhills Longleaf Pine Woodland - Loblolly Modifier |
| Forest/Woodland | Atlantic Coastal Plain Fall-line Sandhills Longleaf Pine Woodland - Scrub/Shrub Understory Modifier |
| Forest/Woodland | Atlantic Coastal Plain Upland Longleaf Pine Woodland |
| Forest/Woodland | East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest - Mixed 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 - Scrub/Shrub Modifier |
| Forest/Woodland | Florida Longleaf Pine Sandhill - Scrub/Shrub Understory Modifier |
| Forest/Woodland | Southern Piedmont Dry Oak-(Pine) Forest - Loblolly Pine Modifier |
| Water | Open Water (Fresh) |
| Wetlands | Atlantic Coastal Plain Blackwater Stream Floodplain Forest - Forest Modifier |
| Wetlands | Atlantic Coastal Plain Blackwater Stream Floodplain Forest - Herbaceous Modifier |
| Wetlands | Atlantic Coastal Plain Clay-Based Carolina Bay Forested Wetland |
| Wetlands | Atlantic Coastal Plain Clay-Based Carolina Bay Herbaceous Wetland |
| Wetlands | Atlantic Coastal Plain Depression Pondshore |
| Wetlands | Atlantic Coastal Plain Large Natural Lakeshore |
| Wetlands | Atlantic Coastal Plain Nonriverine Swamp and Wet Hardwood Forest - Taxodium/Nyssa 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 Pondshore |
| Wetlands | Atlantic Coastal Plain Northern Wet Longleaf Pine Savanna and Flatwoods |
| Wetlands | Atlantic Coastal Plain Peatland Pocosin |
| Wetlands | Atlantic Coastal Plain Sandhill Seep |
| 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 | Central Florida Herbaceous Pondshore |
| Wetlands | Central Florida Herbaceous Seep |
| Wetlands | Central Florida Pine Flatwoods |
| Wetlands | Central Interior Highlands and Appalachian Sinkhole and Depression Pond |
| Wetlands | Cumberland Riverscour |

| | |
|----------|---|
| Wetlands | East Gulf Coastal Plain Interior Shrub Bog |
| 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 Northern Depression Pondshore |
| Wetlands | East Gulf Coastal Plain Northern Seepage Swamp |
| Wetlands | East Gulf Coastal Plain Small Stream and River Floodplain Forest |
| Wetlands | East Gulf Coastal Plain Southern Depression Pondshore |
| Wetlands | East Gulf Coastal Plain Southern Loblolly-Hardwood Flatwoods |
| Wetlands | East Gulf Coastal Plain Treeless Savanna and Wet Prairie |
| Wetlands | Floridian Highlands Freshwater Marsh |
| Wetlands | Lower Mississippi River Bottomland and Floodplain Forest |
| Wetlands | Lower Mississippi River Bottomland Depressions - Forest Modifier |
| Wetlands | Lower Mississippi River Bottomland Depressions - Herbaceous Modifier |
| Wetlands | Mississippi River Low Floodplain (Bottomland) Forest |
| Wetlands | Mississippi River Riparian Forest |
| Wetlands | South Florida Bayhead Swamp |
| Wetlands | South Florida Cypress Dome |
| Wetlands | South Florida Dwarf Cypress Savanna |
| Wetlands | South Florida Freshwater Slough and Gator Hole |
| Wetlands | South Florida Pine Flatwoods |
| Wetlands | South Florida Pond-Apple/Popash Slough |
| Wetlands | South Florida Wet Marl Prairie |
| Wetlands | South Florida Willow Head |
| 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 Appalachian Seepage Wetland |
| Wetlands | Southern Coastal Plain Blackwater River Floodplain Forest |
| Wetlands | Southern Coastal Plain Herbaceous Seepage Bog |
| 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 Coastal Plain Spring-run Stream Aquatic Vegetation |
| Wetlands | Southern Piedmont Seepage Wetland |
| Wetlands | Southern Piedmont Small Floodplain and Riparian Forest |
| Wetlands | Southern Piedmont/Ridge and Valley Upland Depression Swamp |
| Wetlands | Western Highland Rim Seepage Fen |

CITATIONS: Bartlett, R.D. and P.P. Bartlett. 1999. Field guide to Florida reptiles and amphibians. Gulf Publishing Co, Houston, TX. 280 p.

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Guyer, C., and M.A. Bailey. 1993. Amphibians and reptiles of longleaf pine communities. Pp. 139–159, In S.M. Hermann (Ed.). Proceedings of the Tall Timbers Fire Ecology Conference, No. 18. The Longleaf Pine Ecosystem: Ecology, Restoration and Management.

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

Wilson, L. A. 1995. The Land Manager's Guide to the amphibians and reptiles of the South. Chapel Hill, NC: The Nature Conservancy.