



SOUTHEAST GAP ANALYSIS PROJECT



Species Modeling Report

Oak Toad

Bufo quercicus

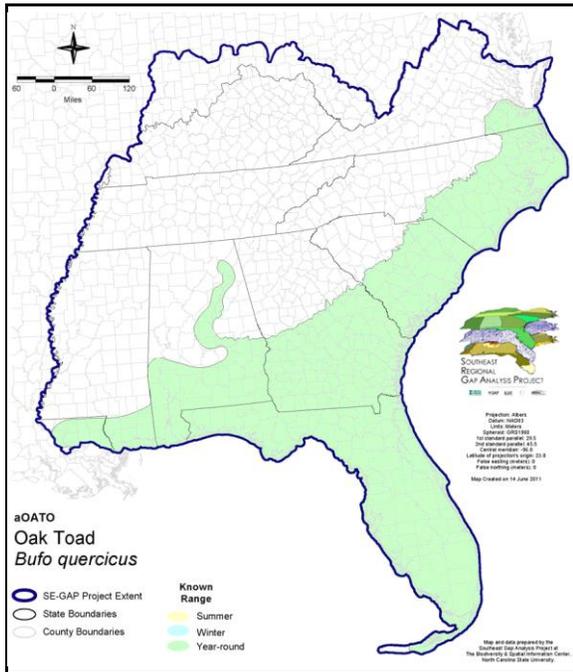
Taxa: Amphibian
 Order: Anura
 Family: Bufonidae

SE-GAP Spp Code: **aOATO**

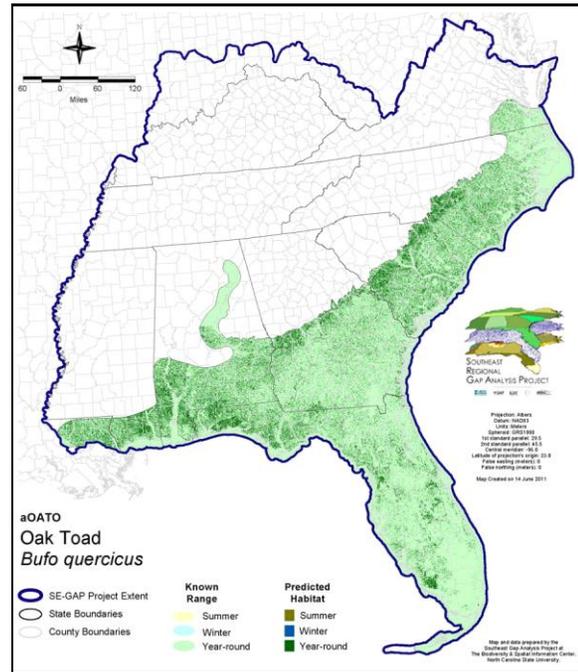
ITIS Species Code: 173479

NatureServe Element Code: AAABB01130

KNOWN RANGE:



PREDICTED HABITAT:



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

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

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

Data Download: http://www.basic.ncsu.edu/segap/datazip/region/vert/aOATO_se00.zip

PROTECTION STATUS:

Reported on March 14, 2011

Federal Status: ---

State Status: MS (Non-game species in need of management), NC (SR), VA (SC)

NS Global Rank: G5

NS State Rank: AL (S5), FL (SNR), GA (S5), LA (S3S4), MS (S4S5), NC (S3), SC (SNR), VA (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	13,641.2	< 1	562.8	< 1	0.0	0	0.0	0
Status 2	28,071.7	< 1	15,584.5	< 1	0.0	0	20.6	< 1
Status 3	0.5	< 1	262,831.6	3	0.0	0	280,716.0	3
Status 4	1.1	< 1	0.0	0	0.0	0	8.7	< 1
Total	41,714.5	< 1	278,978.9	3	0.0	0	280,745.4	3
	US Dept. of Energy		US Nat. Park Service		NOAA		Other Federal Lands	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	3,523.6	< 1	0.0	0	257.4	< 1
Status 2	0.0	0	2,655.8	< 1	2,612.8	< 1	40.1	< 1
Status 3	35,130.8	< 1	21,015.5	< 1	0.0	0	2,230.2	< 1
Status 4	0.0	0	0.0	0	0.0	0	0.0	0
Total	35,130.8	< 1	27,194.9	< 1	2,612.8	< 1	2,527.7	< 1
	Native Am. Reserv.		State Park/Hist. Park		State WMA/Gameland		State Forest	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	184.9	< 1	0.0	0	0.0	0
Status 2	0.0	0	78.1	< 1	82,228.1	< 1	0.0	0
Status 3	7.0	< 1	129,196.5	1	28,280.2	< 1	165,892.0	2
Status 4	0.0	0	0.0	0	16,172.0	< 1	32.3	< 1
Total	7.0	< 1	129,459.5	1	126,680.3	1	165,924.3	2
	State Coastal Reserve		ST Nat.Area/Preserve		Other State Lands		Private Cons. Easemt.	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	1,824.8	< 1	0.0	0	0.0	0
Status 2	1,427.5	< 1	6,876.9	< 1	0.0	0	957.7	< 1
Status 3	0.0	0	7,203.4	< 1	6,181.2	< 1	32,423.6	< 1
Status 4	0.0	0	0.0	0	253.4	< 1	0.0	0
Total	1,427.5	< 1	15,905.1	< 1	6,434.6	< 1	33,381.3	< 1
	Private Land - No Res.		Water		Overall Total			
	ha	%	ha	%	ha	%		
Status 1	0.0	0	0.0	0	19,994.6	< 1		
Status 2	0.0	0	0.0	2	140,554.1	2		
Status 3	76.4	< 1	1.0	< 1	971,185.9	14		
Status 4	7,427,489.4	84	1,118.1	< 1	7,461,246.0	84		
Total	7,427,565.8	84	1,119.2	< 1	8,592,980.5	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: Breeds in shallow cypress and flatwood ponds and various vernal environments. Habitat of oak toads generally encompass herbaceous areas of pine and oak savannas or flatwoods, maritime forests, and tropical hammocks. This species is also inhabits some barrier islands. Amy Silvano 05Jan05.

Hydrography Mask:

Freshwater Only

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

Selected Map Units:

Functional Group	Map Unit Name
Forest/Woodland	Atlantic Coastal Plain Dry and Dry-Mesic Oak 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 - 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 Southern Maritime Forest
Forest/Woodland	Atlantic Coastal Plain Upland Longleaf Pine Woodland
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 - 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 Dry Upland Hardwood 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	Northern Atlantic Coastal Plain Dry Hardwood Forest
Forest/Woodland	Southeast Florida Coastal Strand and Maritime Hammock
Forest/Woodland	Southern Coastal Plain Dry Upland Hardwood Forest
Forest/Woodland	Southwest Florida Coastal Strand and Maritime Hammock
Water	Open Water (Fresh)
Wetlands	Atlantic Coastal Plain Northern Wet Longleaf Pine Savanna and Flatwoods
Wetlands	Atlantic Coastal Plain Sandhill Seep
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 Southern Loblolly-Hardwood Flatwoods
Wetlands	East Gulf Coastal Plain Treeless Savanna and Wet Prairie
Wetlands	South Florida Dwarf Cypress Savanna
Wetlands	South Florida Pine Flatwoods

CITATIONS: Ashton, R. E., Jr., and R. Franz. 1979. *Bufo quercicus*. Cat. Am. Amph. Rep. 222.1-222.2.

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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.