



# SOUTHEAST GAP ANALYSIS PROJECT



## Species Modeling Report

### Wood Turtle

*Glyptemys insculpta*

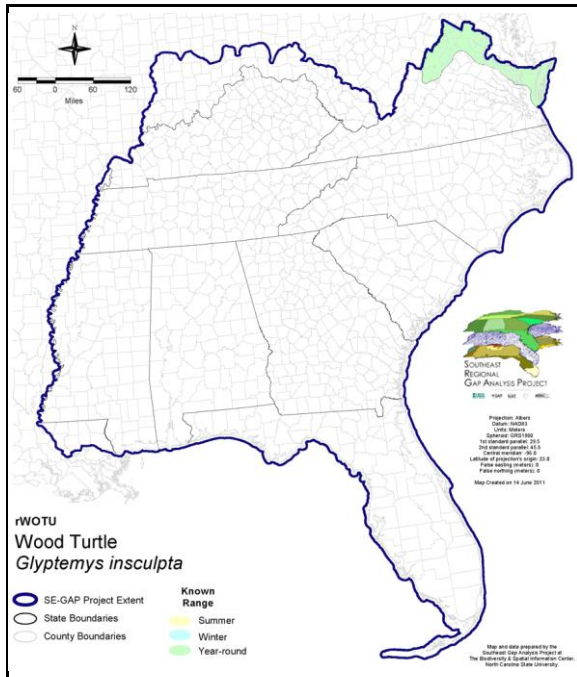
Taxa: Reptilian  
 Order: Cryptodeira  
 Family: Emydidae

SE-GAP Spp Code: **rWOTU**

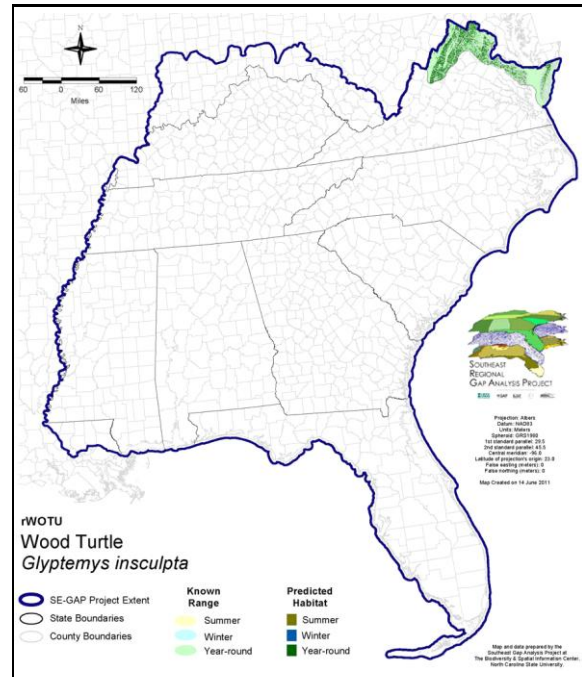
ITIS Species Code: 173772

NatureServe Element Code: ARAAD02020

#### KNOWN RANGE:



#### PREDICTED HABITAT:



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

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

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

Data Download: [http://www.basic.ncsu.edu/segap/datazip/region/vert/rWOTU\\_se00.zip](http://www.basic.ncsu.edu/segap/datazip/region/vert/rWOTU_se00.zip)

#### PROTECTION STATUS:

Reported on March 14, 2011

Federal Status: ---

State Status: CT (SC), IA (E), MA (SC), ME (SC), MI (SC), MN (THR), NH (SC), NJ (T), NY (SC), OH (N), RI (Concern/Protected), VA (LT), WI (THR), NS (Vulnerable), ON (END), QC (Vulnerable)

NS Global Rank: G3

NS State Rank: CT (S3), DC (SH), DE (SNA), IA (S1), MA (S3), MD (S4), ME (S4), MI (S2S3), MN (S2), NH (S3), NJ (S2), NY (S3), OH (S1), PA (S3S4), RI (S2), VA (S2), VT (S3), WI (S2), WV (S2), NB (S3), NS (S3), ON (S2), QC (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	435.1	< 1	0.0	0	0.0	0	0.0	0
Status 2	492.1	< 1	750.3	< 1	0.0	0	256.1	< 1
Status 3	277.2	< 1	1,579.7	< 1	0.0	0	13,751.3	2
Status 4	0.0	0	0.0	0	0.0	0	0.0	0
Total	1,204.4	< 1	2,330.0	< 1	0.0	0	14,007.3	2
	US Dept. of Energy		US Nat. Park Service		NOAA		Other Federal Lands	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	34,734.6	6	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	5,203.8	< 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	39,938.4	6	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	2,644.2	< 1	0.0	0
Status 3	0.0	0	2,310.8	< 1	0.0	0	98.6	< 1
Status 4	0.0	0	0.0	0	0.0	0	0.0	0
Total	0.0	0	2,310.8	< 1	2,644.2	< 1	98.6	< 1
	State Coastal Reserve		ST Nat.Area/Preserve		Other State Lands		Private Cons. Easemt.	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	0.0	0	0.0	0	0.0	0
Status 2	0.0	0	470.8	< 1	0.0	0	0.0	0
Status 3	0.0	0	0.0	0	0.0	0	5.8	< 1
Status 4	0.0	0	0.0	0	123.7	< 1	0.0	0
Total	0.0	0	470.8	< 1	123.7	< 1	5.8	< 1
	Private Land - No Res.		Water		Overall Total			
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	0.0	0	35,169.7 6			
Status 2	0.0	0	0.0	0	4,613.5 < 1			
Status 3	0.0	0	0.0	0	23,227.2 4			
Status 4	561,109.8	90	20.1	< 1	561,253.5 90			
Total	561,109.8	90	20.1	< 1	624,263.9 100			

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: Wood turtles inhabit permanent streams throughout most of the year however, in summer they will commonly wander overland and can be found in a variety of terrestrial habitats adjacent to streams, including deciduous woods, cultivated fields, woodland bogs, and marshy pastures (NatureServe 2005, Conant & Collins 1998). In Virginia, Ernst et al. (1994) described this species as being found near 'clear brooks and streams in deciduous woodlands.' Amy Silvano 2jul05

Ecosystem Classifiers: Hardwoods, Ag, Open Water, Wetlands. Amy Silvano 2jul05

**Hydrography Mask:**

Freshwater Only

Utilizes flowing water features with buffers of 250m from and 60m into selected water features.

Utilizes open water features with buffer of 250m from selected water features.

Utilizes wet vegetation features with buffers of 250m from and unlimited into selected vegetation features.

**Selected Map Units:**

Functional Group	Map Unit Name
Anthropogenic	Deciduous Plantations
Anthropogenic	Pasture/Hay
Anthropogenic	Successional Grassland/Herbaceous
Anthropogenic	Successional Grassland/Herbaceous (Other)
Anthropogenic	Successional Grassland/Herbaceous (Utility Swath)
Forest/Woodland	Allegheny-Cumberland Dry Oak Forest and Woodland
Forest/Woodland	Allegheny-Cumberland Dry Oak Forest and Woodland - Hardwood Modifier
Forest/Woodland	Appalachian Serpentine Woodland
Forest/Woodland	Atlantic Coastal Plain Dry and Dry-Mesic Oak Forest
Forest/Woodland	Atlantic Coastal Plain Mesic Hardwood and Mixed Forest
Forest/Woodland	Central and Southern Appalachian Montane Oak Forest
Forest/Woodland	Central and Southern Appalachian Northern Hardwood Forest
Forest/Woodland	Southern and Central Appalachian Cove Forest
Forest/Woodland	Southern and Central Appalachian Oak Forest
Forest/Woodland	Southern and Central Appalachian Oak Forest - Xeric
Forest/Woodland	Southern Piedmont Dry Oak-(Pine) Forest - Hardwood Modifier
Forest/Woodland	Southern Piedmont Dry Oak-Heath Forest - Hardwood Modifier
Forest/Woodland	Southern Piedmont Mafic Hardpan Woodland
Forest/Woodland	Southern Piedmont Mesic Forest
Forest/Woodland	Southern Piedmont Northern Triassic Basin Dry Forest
Forest/Woodland	Southern Ridge and Valley Dry Calcareous Forest
Forest/Woodland	Southern Ridge and Valley Dry Calcareous Forest - Hardwood Modifier
Water	Open Water (Fresh)
Wetlands	Atlantic Coastal Plain Brownwater Stream Floodplain Forest
Wetlands	Atlantic Coastal Plain Nonriverine Swamp and Wet Hardwood Forest - Taxodium/Nyssa Modifier
Wetlands	Atlantic Coastal Plain Nonriverine Swamp and Wet Hardwood Forest - Oak Dominated Modifier
Wetlands	Atlantic Coastal Plain Northern Basin Swamp and Wet Hardwood Forest
Wetlands	Atlantic Coastal Plain Northern Pondshore
Wetlands	Atlantic Coastal Plain Small Brownwater River Floodplain Forest
Wetlands	Central Appalachian Floodplain - Forest Modifier
Wetlands	Central Appalachian Floodplain - Herbaceous Modifier
Wetlands	Central Appalachian Riparian - Forest Modifier
Wetlands	Central Appalachian Riparian - Herbaceous Modifier
Wetlands	Central Interior Highlands and Appalachian Sinkhole and Depression Pond
Wetlands	North-Central Appalachian Seepage Fen
Wetlands	North-Central Interior and Appalachian Rich Swamp
Wetlands	Southern and Central Appalachian Bog and Fen

Wetlands	Southern Appalachian Seepage Wetland
Wetlands	Southern Piedmont Large Floodplain Forest - Forest Modifier
Wetlands	Southern Piedmont Large Floodplain Forest - Herbaceous Modifier
Wetlands	Southern Piedmont Seepage Wetland
Wetlands	Southern Piedmont Small Floodplain and Riparian Forest
Wetlands	Southern Piedmont/Ridge and Valley Upland Depression Swamp

**CITATIONS:**

For more information:: SE-GAP Analysis Project / BaSIC  
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[www.basic.ncsu.edu/segap](http://www.basic.ncsu.edu/segap)

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.