



SOUTHEAST GAP ANALYSIS PROJECT



Species Modeling Report

Ringed Map Turtle

Graptemys oculifera

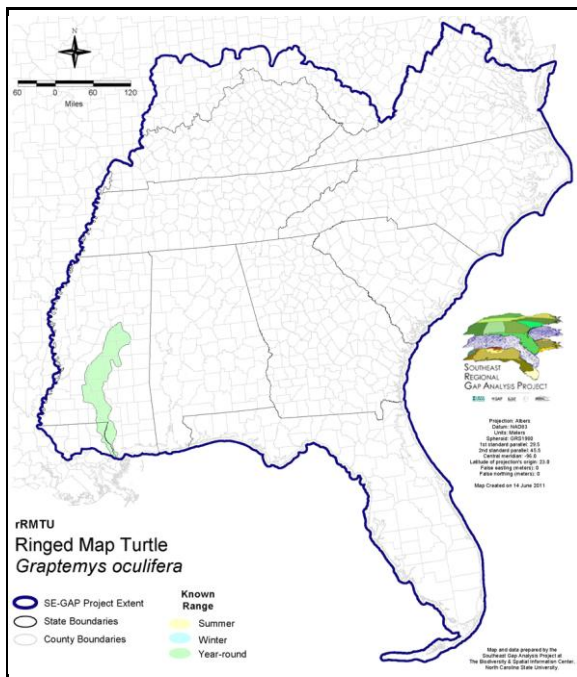
Taxa: Reptilian
 Order: Cryptodeira
 Family: Emydidae

SE-GAP Spp Code: **rRMTU**

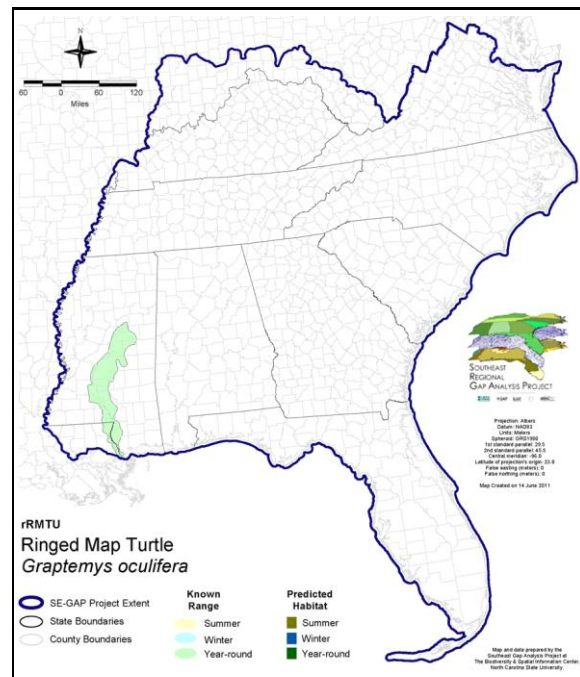
ITIS Species Code: 173798

NatureServe Element Code: ARAAD05070

KNOWN RANGE:



PREDICTED HABITAT:



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

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

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

Data Download: http://www.basic.ncsu.edu/segap/datazip/region/vert/rRMTU_se00.zip

PROTECTION STATUS:

Reported on March 14, 2011

Federal Status: LT
 State Status: LA (Threatened), MS (LE)
 NS Global Rank: G2
 NS State Rank: LA (S2), MS (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	0.2	< 1	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	0.0	0	0.0	0	0.0	0
Status 4	0.0	0	0.0	0	0.0	0	0.0	0
Total	0.2	< 1	0.0	0	0.0	0	0.0	0
	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	0.0	0	0.0	0	0.3	< 1
Status 4	0.0	0	0.0	0	0.0	0	0.0	0
Total	0.0	0	0.0	0	0.0	0	0.3	< 1
	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	6.5	1	0.0	0
Status 3	0.0	0	0.0	0	0.0	0	0.0	0
Status 4	0.0	0	0.0	0	0.0	0	0.0	0
Total	0.0	0	0.0	0	6.5	1	0.0	0
	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	0.0	0	0.0	0	0.0	0
Status 3	0.0	0	0.0	0	0.0	0	0.0	0
Status 4	0.0	0	0.0	0	0.0	0	0.0	0
Total	0.0	0	0.0	0	0.0	0	0.0	0
	Private Land - No Res.		Water		Overall Total			
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	0.0	0	0.2	< 1		
Status 2	0.0	0	0.0	0	6.5	1		
Status 3	0.0	0	0.0	0	0.3	< 1		
Status 4	452.8	95	14.8	3	467.6	99		
Total	452.8	95	14.8	3	474.5	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: Ringed map turtles are endemic to the Pearl River and its major tributaries in MS and LS (Dundee and Rossman 1989). Preferred habitat of this species includes wide rivers with moderate or strong currents, adjacent white sand beaches for nesting, and an abundance of basking sites in the form of brush, logs, and debris (USFWS 1986, Ernst et al. 1994). These map turtles are highly fluviant species which leave the water for nesting purposes only. Amy Silvano 6jul05

***Limited Information on Species.

Ecosystem Classifiers: Aquatic species, only terrestrial systems selected apply to nesting habitat. Flow Accumulation may be a good predictor for this species since it needs wider, moving rivers and streams. Probably could set minimum threshold for accumulation, can't find any literature to support and type of slope, threshold etc., but in CP could probably use min of 5-10. Amy Silvano 6jul05

Hydrography Mask:

Freshwater Only

Utilizes flowing water features with buffers of 30m from and 120m into selected water features.

Selected Map Units:

Functional Group	Map Unit Name
Anthropogenic	Bare Sand
Anthropogenic	Bare Soil
Beach	Unconsolidated Shore (Beach/Dune)
Water	Open Water (Fresh)
Wetlands	Unconsolidated Shore (Lake/River/Pond)

CITATIONS: U.S. Fish and Wildlife Service. 1986. Endangered and threatened wildlife and plants; determination of threatened status for the ringed sawback turtle (*Graptemys oculifera*). Federal Register 51(246):45907-45910.

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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.