



SOUTHEAST GAP ANALYSIS PROJECT



Species Modeling Report

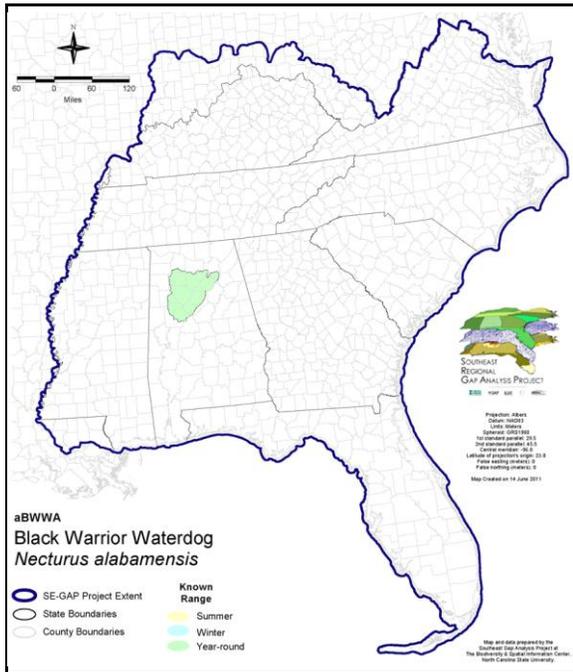
Black Warrior Waterdog

Necturus alabamensis

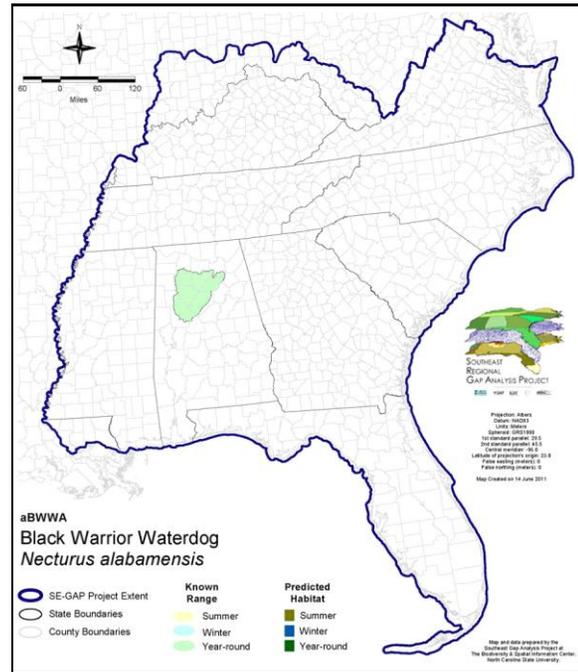
Taxa: Amphibian
Order: Caudata
Family: Proteidae

SE-GAP Spp Code: **aBWWA**
ITIS Species Code: 173628
NatureServe Element Code: AAAAAE01010

KNOWN RANGE:



PREDICTED HABITAT:



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

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

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

Data Download: http://www.basic.ncsu.edu/segap/datazip/region/vert/aBWWA_se00.zip

PROTECTION STATUS:

Reported on March 14, 2011

Federal Status: C
State Status: ---
NS Global Rank: G2
NS State Rank: AL (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	0.0	0	0.0	0	0.0	0	0.0	0
Status 2	0.0	0	4.5	< 1	0.0	0	0.0	0
Status 3	0.0	0	9.5	2	0.0	0	0.0	0
Status 4	0.0	0	0.0	0	0.0	0	0.0	0
Total	0.0	0	14.0	2	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	0.0	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
	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	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	31.1	5	0.0	0
Total	0.0	0	0.0	0	31.1	5	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	0.0	0	0.0	0
Status 2	0.0	0	0.0	0	4.5	< 1	4.5	< 1
Status 3	0.0	0	0.0	0	9.5	3	9.5	3
Status 4	526.7	86	0.0	0	588.8	96	588.8	96
Total	526.7	86	0.0	0	602.7	100	602.7	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: The Alabama Waterdog is completely aquatic; inhabiting unpolluted medium to large streams with abundant shelter, rocky bottoms (Wilson). They seem to prefer rivers and streams with logjams or other debris (Petranka) and are found around jams and tree roots (Ashton 1988). They are found in streams greater than 10 feet wide (Dundee and Rossman 1989) and sand bottomed streams (Carr and Goin 1955). Little is known of the waterdog's life history. S. Smith 18Feb05

Hydrography Mask:

Freshwater Only

Fast Current Only

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

Selected Map Units:

Functional Group	Map Unit Name
Water	Open Water (Fresh)
Wetlands	South-Central Interior Large Floodplain - Forest Modifier
Wetlands	South-Central Interior Large Floodplain - Herbaceous Modifier
Wetlands	South-Central Interior Small Stream and Riparian
Wetlands	South-Central Interior/Upper Coastal Plain Wet Flatwoods

- CITATIONS:** Ashton, R. E., Jr., and P. S. Ashton. 1988. Handbook of reptiles and amphibians of Florida. Part Three. The amphibians. Windward Publ. Co., Miami.
- Carr, A. and C.J. Goin. 1959. Guide to the reptiles, amphibians, and freshwater fishes of Florida. Gainesville, Univ. of Florida Press.
- Dundee, H. A., and D. A. Rossman. 1989. The amphibians and reptiles of Louisiana. Louisiana State Univ. Press, Baton Rouge.
- Durflinger, M.C., C. Guyer, and M.A. Bailey. 2001. Distribution and population biology of the Black Warrior Waterdog, *Necturus alabamensis*. Southeastern Naturalist. 5(1), pp 69-84.
- Petranka, J. W. 1998. Salamanders of the United States and Canada. Washington DC: Smithsonian Inst. Press.
- Wilson, L. A. 1995. The Land Manager's Guide to the amphibians and reptiles of the South. Chapel Hill, NC: The Nature Conservancy.

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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.