

Catalogue of American Amphibians and Reptiles.

Huntington, C., T.N. Stuhlman, and D.J. Cullen. 1993. *Plethodon sequoyah*.

***Plethodon sequoyah* Highton
Sequoayah Slimy Salamander**

Plethodon glutinosus glutinosus: Bishop, 1843 (part).
Plethodon sp. ("an undescribed species"): Black and Sievert, 1989:37.
Plethodon sequoyah Highton, 1989:68. Type-locality, "Beavers Bend State Park, at an elevation of 140 m, McCurtain County, Oklahoma." Holotype, U.S. National Museum (USNM) 257485, an adult male collected on 11 October 1976 by S.B. Hedges and R. Highton (not examined by authors). Allotype, USNM 257486, an adult female collected at the type-locality on 25 May 1978 by R. Highton, S. Highton, and J. Streicher (not examined by authors).

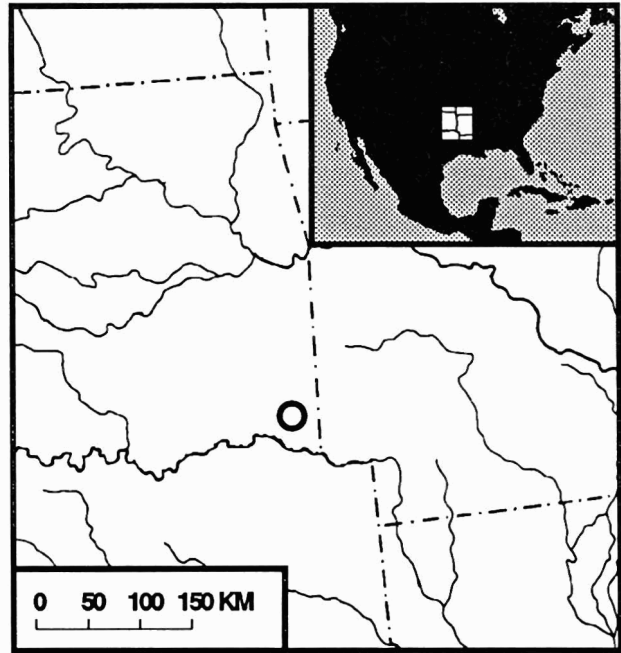
• **Content.** No subspecies are recognized.

• **Definition.** *Plethodon sequoyah* is an eastern large *Plethodon* of the *P. glutinosus* complex as defined by Highton (1989). Adults range in size from 46-70 mm SVL and 101-140 mm TL. Costal grooves number 15-16 (Black and Sievert, 1989). The dorsum is black with a variable number of white or brassy spots; sides may bear numerous large, white or yellowish spots; and a few whitish spots may be apparent on the black to slate-colored venter.

• **Diagnosis.** Genetic differences and range are the only reliable means of diagnosing *P. sequoyah* from other members of the *P. glutinosus* complex. Morphologically this species cannot be distinguished from *P. kiamichi*, *P. albagula*, or *P. glutinosus*. Large size, brassy dorsal spots, and moderately abundant lateral spotting may serve to separate *P. sequoyah* from other members of the complex. Unique features are limited to the combination of genetic alleles and specifically the presence of the Mdh-2 allele (Highton, 1989).

• **Descriptions.** In addition to the original of Highton (1989), Black and Sievert (1989) provided the only other brief description.

• **Illustrations.** Black and Sievert (1989) included a color



Map. The type-locality is indicated with the large open circle. All other known localities are in the immediate vicinity and are not marked.

photograph of an adult (as *Plethodon* sp.).

• **Distribution.** *Plethodon sequoyah* is known only from the immediate vicinity of Beavers Bend State Park in McCurtain County, Oklahoma.

• **Fossil Record.** None.

• **Pertinent Literature.** Black and Sievert (1989) gave a brief



Figure. Adult *Plethodon sequoyah* from McCurtain County, Oklahoma (photograph by R. Wayne Van Devender).

description of *P. sequoyah* (as *Plethodon* sp., an undescribed species). The species is included in the field guide to amphibians and reptiles of the eastern U.S. by Conant and Collins (1991).

• **Etymology.** The specific epithet is a patronym honoring the Oklahoma Indian Sequoyah, who devised the Cherokee alphabet (Highton, 1989).

• **Remarks.** Other published references to populations including those now known as *P. sequoyah*, especially in field guides and faunal lists, have used *P. glutinosus* or *P. g. glutinosus*.

Literature Cited

- Bishop, S.C. 1943. Handbook of salamanders. The salamanders of the United States, of Canada, and of Lower California. Comstock Publ. Co., Inc., Ithaca, New York.
- Black, J.H. and G. Sievert. 1989. A field guide to amphibians of Oklahoma. Oklahoma Dept. Wildl. Conserv., Oklahoma City.

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Highton, R. 1989. Part I. Geographic protein variation, pp. 1-78. In R. Highton, G.C. Maha, and L.R. Maxson (eds.). Biochemical evolution in the Slimy Salamanders of the *Plethodon glutinosus* complex in the eastern United States. Illinois Biol. Monogr. No. 57.

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