

OCCURRENCE OF THE CRAWFISH *ORCONECTES NANA MACRUS* WILLIAMS (DECAPODA, ASTACIDAE) IN OKLAHOMA

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The crawfish *Orconectes nana nana* Williams has been known from the Illinois River drainage of Oklahoma since its description in 1952 (1) (Type Locality: Flint Creek, 5 miles E. Kansas, Delaware County, Oklahoma). *Orconectes nana macrus* Williams has been reported from southwestern Missouri and northwestern Arkansas (2, 3) but has not been reported previously from Oklahoma.

A collection was taken Dec. 27, 1971 from Sycamore Creek, S. of Wyandotte, Ottawa County, Oklahoma. The sample included 20 first form males, 1 second form male, and 21 females of *O. nana macrus*.

In order to determine the extent of the new form in the state, further collections were made between this locality and the Illinois River localities from which *O. nana nana* has been previously reported (1, 2). Specimens taken from the Spavinaw Creek drainage appear to be *O. nana macrus* but exhibit some characteristics similar to those found in *O. nana nana*. The similarities are found in the gonopodia of the form I male and the annulus ventralis of the female.

Williams (1, 2) reported that no intergrades had been found between the two forms but described these forms as subspecies on the basis of morphological similarities. Until further studies on the variability of this species throughout its range are completed, this author will consider the two forms to be intergrading in the Spavinaw Creek drainage and will designate the intergrade population as *O. nana macrus* on the basis of its morphological similarity to this form.

A summary of new localities in Oklahoma for both forms of *O. nana* is presented below.

Orconectes nana nana.

Adair County: Illinois River at Chewey Ford.

Cherokee County: Illinois River at Round Hollow Park; Illinois River at Hanging Rock.

Delaware County: Cejunchety Hollow, 2 miles NNE of Flint; Flint Creek, 4 miles NE of Flint.

Sequoyah County: Sallisaw Creek on Interstate Hwy. 40.

Orconectes nana macrus

Delaware County: Beatty Creek E. of Hwy. 10; Beatty Creek at Piney Church; Cherokee Creek, SW of Row; Spavinaw Creek, 3 miles N. of Row.

Ottawa County: Sycamore Creek, S. of Wyandotte.

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