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Jody L. Haynes
Mississippi State University

J. Mathew Weekly
University of Nebraska Medical Center

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NEW DISTRIBUTIONAL RECORDS FOR THREE FISHES IN LINCOLN COUNTY, NEBRASKA

Jody L. Haynes*

Department of Biological Sciences
University of New Orleans
New Orleans, Louisiana 70148

J. Mathew Weekly

Department of Otolaryngology and Head and Neck Surgery
University of Nebraska Medical Center
Omaha, Nebraska 68198

* Current Address: Department of Biological Sciences, Mississippi State University, Mississippi State, Mississippi 39762

ABSTRACT

New distributional records are presented for three species of teleostean fishes in Lincoln County, Nebraska: *Phoxinus eos*, *Noturus gyrinus*, and *Ameiurus natalis*.

† † †

Three species new to Lincoln County, Nebraska, were collected in the North Platte River drainage: *Phoxinus eos*, *Noturus gyrinus* and *Ameiurus natalis*. All seven *P. eos* specimens and three *N. gyrinus* specimens were deposited in the University of Nebraska State Museum (UNSM), Lincoln; six specimens of *N. gyrinus* were deposited in the University of New Orleans Vertebrate Collection (UNOVC); and all seven specimens of *A. natalis* were deposited in the University of Nebraska Cedar Point Biological Station (CPBS) teaching collection. Collectors and field collection numbers are given for each voucher.

Phoxinus eos (Cope) — Northern redbelly dace

Seven specimens of *P. eos* were taken from an unnamed tributary to Whitehorse Creek, 6.4 km W of the North Platte Post Office (T14N R30W Sec. 8 SW1/4 SW1/4) on August 10, 1991 by Haynes, Weekly, and J. D. Lynch (JDL 90.34). The nearest documented locality for *P. eos* in Nebraska is eastern Keith County, approximately 75 km west (Bliss and Schainost, 1973b; Fig. 1). *Phoxinus eos* is listed as a threatened species in Nebraska and this new record represents a significant extension of the reported range-disjunction along the northern side of the Platte and North Platte rivers (Lee et al., 1980).

Noturus gyrinus (Mitchill) — Tadpole madtom

Nine specimens of *N. gyrinus* were taken along with *P. eos* at Whitehorse Creek (above location) (JDL 90.34). The nearest published locality is northeastern Custer County (Burman, 1976), approximately 150 km northeast (Fig. 1). This new record not only extends the tadpole madtom's range in Nebraska but also represents an approximate 20-km westward extension (longitude 100°47'30", latitude 41°11") of the species' geographical distribution (Lee et al., 1980).

Ameiurus natalis (Lesueur) — Yellow bullhead

Seven specimens of *A. natalis* were taken at Whitehorse Creek where it is crossed by U. S. Hwy. 83, approximately 5 km north of North Platte (T14N R30W Sec. 21 NE1/4) by Lynch, Weekly, and the ichthyology class from CPBS on August 3, 1991 (no collection number). The nearest published collection of this species is in the Platte River where it forms the boundary between Merrick and Hamilton counties (Bliss and Schainost, 1973a), approximately 300 km to the east (Fig. 1).

ACKNOWLEDGMENTS

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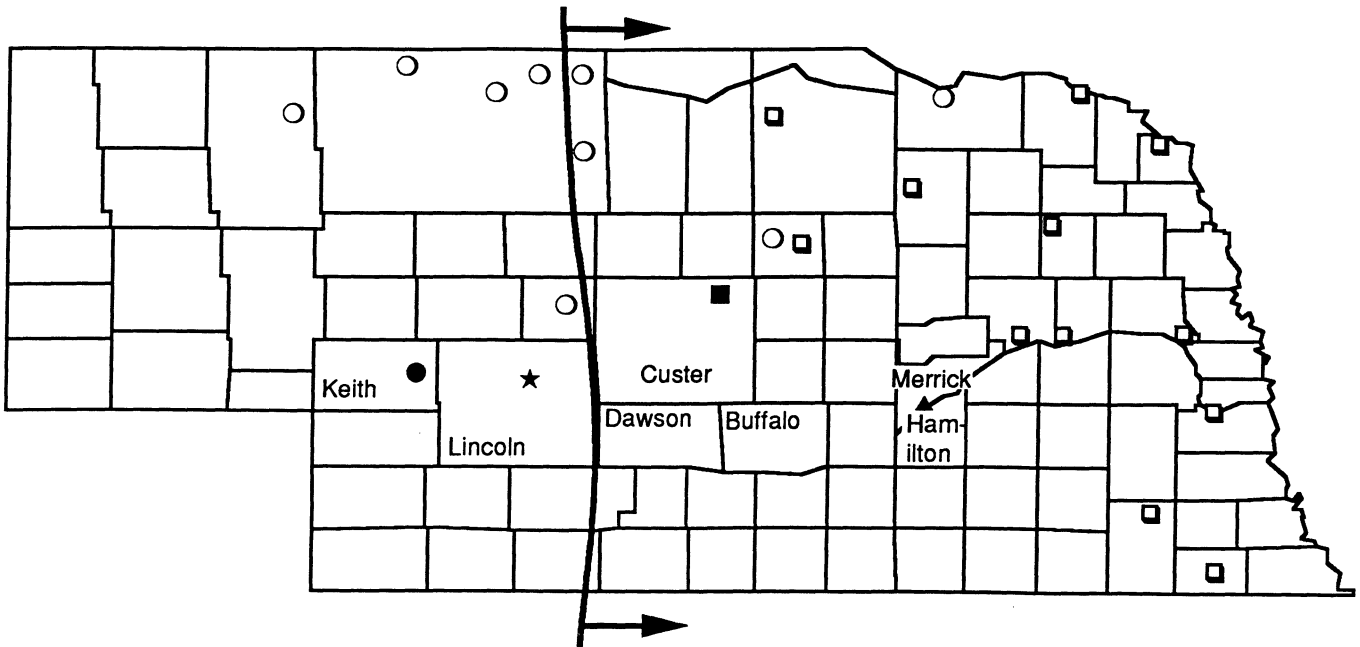


Figure 1. Map of new, nearest, and previously-recorded localities of *Phoxinus eos*, *Noturus gyrinus*, and *Ameiurus natalis* in Nebraska. Symbols are as follows:

- ★ = new locality of *Phoxinus eos*, *Noturus gyrinus*, and *Ameiurus natalis*, Whitehorse Creek, Lincoln County
- = nearest locality of *Phoxinus eos*, North Platte River, Keith County (Bliss and Schainost, 1973b)
- = previous records of *Phoxinus eos* (Lee et al., 1980)
- = nearest locality of *Noturus gyrinus*, Middle Loup River, Custer County (Burman, 1976)
- = previous records of *Noturus gyrinus*, (Lee et al. 1980)
- ▲ = nearest locality of *Ameiurus natalis*, Platte River at the boundary between Hamilton and Merrick counties (Bliss and Schainost, 1973a)
- ▬ = previously-published distributional boundary of *Ameiurus natalis* (Lee et al., 1980).

Anthony Joern, director of the CPBS, for the use of the facilities. Fishes were collected under a permit issued to John Lynch by the Nebraska Game and Parks Commission.

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