

# Distribution Records for Three New Introduced Species of the Ichthyofauna of Oklahoma Waters

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Received: 1991 Oct 04; Revised: 1992 Mar 13

## **BLUE TILAPIA** (*Tilapia aurea*)

On July 26, 1990 we seined three Blue tilapia, *Tilapia aurea*, from the Arkansas River, 200 m upstream from the 23rd Street stormsewer outfall, at Riverside Drive in Tulsa. During the collection visit the river was in low flow conditions and the channel consisted of large, clear, shallow (<0.5 m) pools with narrow, shallow riffles between pools. The pools had bedrock substrata and piles of large rocks along the bank and throughout the area, providing habitat for the many *Lepomis* and *Micropterus* species. The three specimens were collected in the same seine haul while we were "kicking" around these piles of rocks (Table 1).

We have been monitoring another population of the Blue tilapia in the North Canadian River at Harrah and Wetumka since 1977 (1). In 1987 it was collected in large numbers (469 specimens) from six locations by W.J. Matthews and F.P. Gelwick (2). Since 1987 we have been unable to find Blue tilapia in the river.

## **GRASS CARP** (*Ctenopharynogodon idella*)

We collected a grass carp, *Ctenopharynogodon idella*, from the Blue River 0.4 km north of Connerville at the HW 99 crossing in Johnston County on July 26, 1988 (Table 1). On May 21, 1990 we seined one large specimen from the Deep Fork River 1.4 km east of the Lake Arcadia Dam (Table 1). The site was 0.8 km west on HW 64 and 0.4 km south of Arcadia in Oklahoma County. The grass carp was trapped in a long shallow pool ending in long shallow riffles which were too small for the fish to swim in and too shallow to escape. The specimen was in poor physical condition because of its struggles to escape the pool and we discarded it.

On May 5, 1991 we found a large dead grass carp on the shore in the Spring River arm of Grand Lake at the Twin Bridges State Park swimming beach (Table 1). Grass carp occur in the Cimarron River (3), Little River (3), Caddo Creek (3), the Clear Boggy river system (4), and small streams in south central Oklahoma (4). This species will undoubtedly be collected in increasing numbers because it is being stocked in many farm ponds for the control of aquatic weeds and algae.

## **RUDD** (*Scardinius erythrophthalmus*)

On May 12, 1990 we collected a single rudd, *Scardinius erythrophthalmus*, from the Salt Fork of the Arkansas River below the Great Salt Plains Lake located north of Jet in Alfalfa County (Table 1). This fish had a hook scar through its body. Another collection in June 1991 produced a single large specimen, taken by John Stahl of the Oklahoma Department of Wildlife Conservation (ODWC) from this same site during the ODWC annual survey of the river (Table 1).

On June 22, 1990 we collected a single specimen of the rudd from the mouth of a small tributary of the Arkansas River which enters the river in the Sand Springs City Park in Tulsa County (Table 1). Another single specimen was taken from the Arkansas River north of Bixby on the same day. On June 26, 1990 we seined two rudds from Elm Point, which is 5.2 km south of Blocker at the HW 31 crossing, in the Gaines Creek Arm of Lake Eufaula in Pittsburg County (Table 1). Three rudds were seined from the South Canadian River on August 6, 1990, 0.4 km north of Calvin on HW 75, in Hughes County. Another single rudd was caught from Lake Texoma on April 19, 1989 by a biologist from the Texas Parks and Wildlife Department during routine sampling in Grayson County, Texas (6). In July, 1991 a very large rudd was collected by

TABLE 1. New collection records of introduced species in Oklahoma waters.

Species	Num-ber <sup>a</sup>	Date	County	Site	Range in length (mm)	Total weight (g)	OSDH number
<i>Tilapia aurea</i>	3	07/26/90	Tulsa	S13 T29N R12E Arkansas River	53-63	13.7	3504
<i>Ctenopharyngodon idella</i>	1	07/26/88	Johnston	S24 T29N R12E Blue River	27	320.9	3204
	1	06/21/90	Oklahoma	S36 T14N R02W Deep Fork River	539	3100.0	Disc <sup>b</sup>
	1	05/19/91	Ottawa	S20 T27N R24E Spring River	620	4200.0	Disc <sup>b</sup>
<i>Scardinius erythrophthalmus</i>	1	05/12/90	Alfalfa	S36 T29N R11W Salt Fork/Ark. R.	60	3.7	3647
	1	06/--/91	Alfalfa	S36 T29N R11W Salt Fork/Ark. R.	151	---	Disc <sup>b</sup>
	1	06/22/90	Tulsa	S14 T17N R13E Arkansas River	72	3.2	3698
	1	06/22/90	Tulsa	S14 T19N R11E Arkansas River	80	5.6	3699
	2	06/26/90	Pittsburg	S03 T06N R16E Lake Eufaula	65-95	8.8	3689
	3	08/06/90	Hughes	S27 T06S R10E So. Canadian R.	50-55	3.8	3504
	1	04/19/89	Grayson TX	(Texas site) Lake Texoma	92	---	---
	2	06/--/91	Blaine	S18 T17N R11W Lake Watonga	310	---	---

<sup>a</sup> Number of specimens; <sup>b</sup> Discarded.

John Stahl during a ODWC survey of Lake Watonga, in Roman Nose State Park north of Watonga in Blaine County. With our three earlier reported locations of the rudd we have now found this species in eleven wild environments since February 1989 (5).

## REFERENCES

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