

THE

JAMES E. SUBLETTE

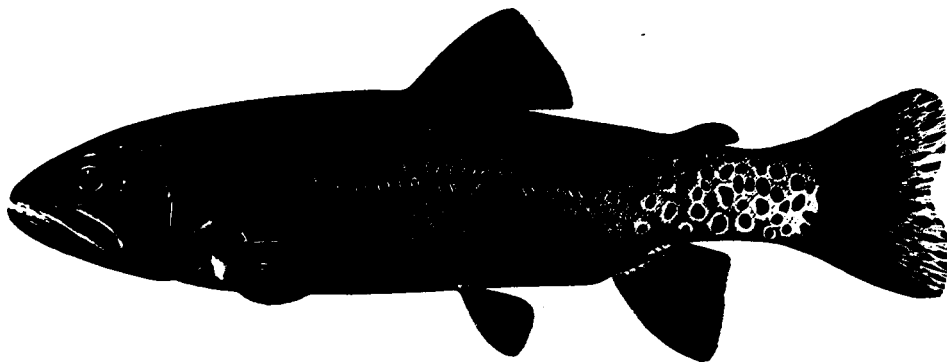
FISHES

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OF

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NEW MEXICO



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### ***Notropis simus simus* (Cope) - Rio Grande bluntnose shiner**

*Alburnellus simus* Cope; *In:* Cope and Yarrow 1876: 649; type locality, Rio Grande, at San Ildefonso, Santa Fe County, New Mexico.

*Notropis (Hudsonius) simus* Cope; Cockerell 1908: 171.

*Notropis simus* (Cope); Koster 1957: 66; Gilbert 1978: 80 (misidentification, in part); Gilbert 1983a: 310; Smith and Miller 1986: 461.

*Notropis simus simus* (Cope); Chernoff et al. 1982: 10; Williams et al. 1985: 8.

#### **Remarks**

The Rio Grande form (i.e., *N. s. simus*) was classified State Endangered, Group I, 24 January 1975. *Notropis s. simus* is a federal "notice of review" subspecies (18 September 1985) for possible listing as threatened or endangered. This subspecies has experienced a precipitous decline in numbers and distribution in the last 40 years, largely because of periodic dewatering of its habitats. It was last collected in the Rio Grande of New Mexico near Pena Blanca, Sandoval County by R.D. Suttkus in 1964. It is now generally considered to be extinct in the Rio Grande drainage (Gilbert 1980e; Chernoff et al. 1982). If, indeed, this subspecies now exists in New Mexico, it would be expected to occur in the Rio Grande between Otowi bridge and Cochiti Lake; however, recent intensive surveys have failed to find the subspecies.

### ***Cyprinella formosa* (Girard) . beautiful shiner**

*Moniana formosa* Girard 1857a: 201, type locality, "Rio Mimbres, Chihuahua" [corrected to Mimbres River, Luna County, New Mexico (Gilbert 1978)]; Girard 1859c: 58.

*Notropis formosus* (Girard); Meek 1904: 64; Koster 1957: 67; Miller 1978: 371, 375; Matthews 1980a: 264; Chernoff and Miller 1982: 519; Smith and Miller 1986: 461

*Notropis lutrensis formosus* (Girard); Contreras-Balderas 1975: 4; Gilbert 1978: 44.

#### **Distribution**

**New Mexico:** The subspecies was known only from the Mimbres River where it was native. Now extirpated, its demise is probably the result of ephemeral stream flows, especially downstream of Dwyer, resulting from drought conditions and diversion of water from the river for agriculture purposes.

**Other:** It was also known from drainage systems of the Guzman (including rios Casas Grandes, Santa Maria, and del Carmen), Yaqui, Bavicora, and Sauz basins, Mexico (except for the extreme northern portion of the Yaqui).

#### **Remarks**

The recognition of the Guzman, Yaqui, Bavicora, and Sauz basin populations as a subspecies of *Notropis* (= *Cyprinella*) *lutrensis* by Contreras-Balderas (1975) is a logical systematic position. However, because recent authors have maintained the species identity, we shall also do so to further nomenclatorial stability.

*Cyprinella formosa* is classified federal threatened. It was listed 31 August 1984.