

A Checklist of Parasites from the Gizzard Shad,
DOROSOMA CEPEDIANUM LeSueur

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ABSTRACT

A checklist of parasites from the gizzard shad, *Dorosoma cepedianum* is presented. The list consists of 3 species of Protozoa, 11 of Trematoda, 4 of Cestoda, 3 of Acanthocephala, 4 of Nematoda and 5 of Crustacea.

Miller (1960) noted the gizzard shad is generally free from parasites. However, as work on this important forage fish has accumulated the list of parasites has become extensive. Several reports (Allison and Kelly, 1963; Putz *et al.*, 1965; Jilek, 1978; Price, 1979) also indicate that large populations of gizzard shad are susceptible to epizootics. The checklist presented below is believed to be complete. Numerals in parentheses signify the correspondingly numbered reference. An asterisk indicates the report is of a larval stage.

Checklist of Gizzard Shad Parasites

Protozoa

Ichthyophthirius multifiliis Fouquet, 1876 — Coosa River, Ala. (1): *Myxobolus* sp. — Carlyle Lake, Ill. (21); Myxosporidia sp. — Lake Erie (4); *Plistophora cepedianum* Putz *et al.*, 1965 — Buckeye Lake, Ohio (3, 22); Carlyle Lake, Ill. (20); Crab Orchard Lake, Ill. (21).

Trematoda

Clinostomum sp. — Crab Orchard Lake, Ill. (21*); La. (2*); Cryptogonimidae — La. (2); *Diplostomulum* sp. — Lake Erie (4, 8*); *Gyrodactylus dorosomae* Rogers, 1975 — Logan Martin Reservoir, Ala. (23); *Mazocraeoides olentangiensis* Sroufe, 1958 — Olentangy River, Ohio, Norris and Reelfoot Lakes, Tenn., Tennessee River at Guntersville, Ala. (19); Lake Texoma, Okla. (9); *Mazocraeoides tennesseensis* Price, 1961 — Reelfoot Lake, Tenn. (19); *Mazocraes cepedianum* Kimpel, 1938 — Decatur Lake, Ill. (16); *Octobothrium* sp. — Reelfoot Lake, Tenn. (6); Lake Erie (4); *Posthodiplostomum minimum* MacCallum, 1921 — La. (2*); *Pseudanthocotyloides banghami* Price, 1959 — Reelfoot and Norris Lake, Tenn., Guntersville Lake, Ala. (19); Crab Orchard Lake, Ill. (21); *Pseudomazocraeoides megalocotyle* Price, 1959 — Reelfoot Lake, Tenn. (19); *Pseudomazocraeoides ontariensis* Hanek and Fernando, 1971 — Bay of Quinte, Ontario (7).

Cestoda

Bothriocephalus sp. — Reelfoot Lake, Tenn. (6*); *Bothriocephalus cuspidatus* Cooper, 1917 — Carlyle Lake and Crab Orchard Lake, Ill. (13); *Glaridacrus confusus* Hunter, 1929 — Tallahatchie River, Miss. (10); Lake Charleston, Ill. (15); *Proteocephalus* sp. — Lake Texoma, Okla. (9*); Carlyle Lake and Crab Orchard Lake, Ill. (21*); La. (2*).

Acanthocephala

Gracilisentis sp. — Elephant Butte Lake, N. Mex. (11); *Gracilisentis gracilisentis* Van Cleave, 1913 — Illinois River, Ill. (28); Crab Orchard Lake, Ill. (12); Lake Texoma, Okla. (9); Tallahatchie River, Miss. (29); La. (2); *Tanaorhampus longirostris* Van Cleave, 1913 — Illinois River, Ill. (28); Crab Orchard Lake, Ill. (12); Carlyle Lake (21); Lake Texoma, Okla. (9); Reelfoot Lake, Tenn. (6); Tallahatchie River, Miss. (29); La. (2).

Nematoda

Unidentified larvae — Lake Erie (4*): Ascaroidea — Lake Carl Blackwell, Okla. (24*): *Agamonema* sp. — Reelfoot Lake, Tenn. (6*): Lake Erie (5*) *Camallanus oxycephalus* Ward and Magath, 1916 — Lake Charleston, Ill. (15): Lake Erie (26, 27*).

Crustacea

Argulus sp. — Elephant Butte Lake, N. Mex. (11): Crab Orchard Lake, Ill. (21): *Argulus alosae* Gould, 1841 — Woods Hole Region, Mass. (30): *Argulus appendiculosus* Wilson, 1907 — Little Star Lake, Wis. (17): *Ergasilus clupearum* Johnson and Rogers, 1972 — Uphabee Creek and Tallapoosa River, Ala. (14): *Ergasilus lanceolatus* Wilson, 1916 — Ky. (31).

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