

SMITHSONIAN MISCELLANEOUS COLLECTIONS

VOLUME 106 NUMBER 3

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ISLAND, PEARL ISLANDS, PANAMÁ

BY

SAMUEL F. HILDEBRAND

Ichthyologist, U. S. Fish and Wildlife Service



(PUBLICATION 3847)

CITY OF WASHINGTON
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No fresh-water fishes seem to have been recorded heretofore from the Pearl Islands. The species listed below were collected on San José Island in 1944 by Dr. Alexander Wetmore and Dr. Joseph P. E. Morrison. All the species taken occur also on the mainland of Panamá.

References are given for each species to the two general works on the classification of the fresh-water fishes of Panamá listed at the end of this article. The earlier publication (1916) contains rather complete synonymies, keys, and descriptions; and the later one (1938) brings the synonymies up to date and includes descriptions of species discovered in Panamá since the publication of the earlier work.

Family CHARACINIDAE

GEPHYROCHARAX ATRICAUDATA (Meek and Hildebrand)

Gephyrocharax atricaudata MEEK and HILDEBRAND, 1916, p. 277; Hildebrand, 1938, p. 253.

Seventy-five specimens, 13 to 51 mm. long (U.S.N.M. No. 128473), pools near head of tributary of Río Marina; 11 specimens, 33 to 50 mm. long (U.S.N.M. No. 128474), upper Río Marina; and 28 specimens 31 to 51 mm. long (U.S.N.M. No. 128475), headwaters of Río Marina.

Common in the Chagres Basin and in the Pacific drainage from the Canal Zone to the Tuyra Basin.

ASTYANAX RUBERRIMUS Eigenmann

Astyanax ruberrimus MEEK and HILDEBRAND, 1916, p. 281; Hildebrand, 1938, p. 258.

Two specimens, 55 and 68 mm. long (U.S.N.M. No. 128486), pools in upper Río Mata Puerco.

Both slopes of central Panamá, ranging into Colombia on Pacific slope; extremely abundant in vicinity of Canal Zone.

Family SYNBRANCHIDAE

SYNBRANCHUS MARMORATUS Bloch

*Synbranchus marmoratus*¹ HILDEBRAND, 1938, p. 292.

Two specimens, 165 and 230 mm. long (U.S.N.M. No. 128476), from small stream at southwest part of island; 5 specimens, 82 to 430 mm. long (U.S.N.M. No. 128477), head of small stream in west drainage; 1 specimen, 245 mm. long (U.S.N.M. No. 128478), small stream in southwest drainage; 5 specimens, 35 to 77 mm. long (U.S.N.M. No. 128479), exact place of capture missing; 2 specimens, 225 and 305 mm. long (U.S.N.M. No. 128480), south side of Hog Creek valley, above falls; 29 specimens, 100 to 410 mm. long (U.S.N.M. No. 128481), upper reaches of Hog Creek; and 65 specimens, 75 to 525 mm. long (U.S.N.M. No. 128514), middle reaches of Río Marina.

A widely distributed nocturnal fresh-water eel, ranging from México to, and probably beyond, the Amazon; occurring on both slopes of Panamá.

Family POECILIIDAE

DARIENICHTHYS DARIENSIS (Meek and Hildebrand)

Priapichthys dariensis MEEK and HILDEBRAND, 1916, p. 321, fig. 7.

Darienichthys dariensis HILDEBRAND, 1938, p. 305.

Forty-two specimens, 12 to 30 mm. long (U.S.N.M. No. 128482), small stream near north end of east beach; 3 specimens, 20, 24, and 25 mm. long (U.S.N.M. No. 128483), upper reaches of small stream flowing into Ensenada de la Bodega.

Known heretofore only from the Pacific slope of Panamá from La Venta to the Tuyra Basin.

Family ELEOTRIDAE

GOBIOMORUS MACULATUS (Günther)

Philypnus maculatus MEEK and HILDEBRAND, 1916, p. 352.

Gobiomorus maculatus HILDEBRAND, 1938, p. 340.

Five specimens, 113 to 220 mm. long (U.S.N.M. No. 128463), pools in upper reaches of stream flowing into Ensenada de la Bodega:

¹ Known from Panamá since 1904, though not reported by Meek and Hildebrand (1916); included, however, in their work, "The Marine Fishes of Panama," Field Mus. Nat. Hist., Zool. Ser., vol. 15, pt. 1, p. 131, 1923.

1 specimen, 170 mm. long (U.S.N.M. No. 128468), lower section of stream on southwestern tip of Island; 5 specimens, 112 to 184 mm. long (U.S.N.M. No. 128469), Río Marina; 1 specimen, 108 mm. long (U.S.N.M. No. 128470), stream flowing into Ensenada de la Bodega, taken under a light at night.

Pacific slope from Baja California to Ecuador; very common in Panamá.

ELEOTRIS PICTA Kner and Steindachner

Eleotris picta MEEK and HILDEBRAND, 1916, p. 357; Hildebrand, 1938, p. 344.

Eleven specimens, 97 to 325 mm. long (U.S.N.M. No. 128471), mid-reaches of Río Marina; and 1 specimen, 350 mm. long (U.S.N.M. No. 128472), lower section of stream flowing into Ensenada de la Bodega.

Pacific slope from Baja California to Ecuador; common in Panamá.

REFERENCES

- MEEK, SETH E., and HILDEBRAND, SAMUEL F.
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- HILDEBRAND, SAMUEL F.
1938. A new catalogue of the fresh-water fishes of Panama. Field Mus. Nat. Hist., Zool. Ser., vol. 22, pp. 217-359, figs. 2-13.