

II. Dorsal fin scaleless, except at the base; second anal spine longer than third.

A. Maxillary not extending beyond the vertical from anterior margin of eye.

Second anal spine $\frac{2}{3}$ the length of head; depth of body 3 in the length . . . 3. *branicki*.

Second anal spine $\frac{5}{6}$ to $\frac{7}{8}$ the length of head; depth of body $3\frac{1}{2}$ in the length . . . 4. *boucardi*.

B. Maxillary extending to below anterior part of eye.

60–70 scales in a longitudinal series 5. *bayanus*.

54–62 scales in a longitudinal series 6. *crocro*.

1. *Pomadasis leuciscus*.

Pristipoma leuciscus, Günth. Proc. Zool. Soc. 1864, p. 147¹, and Trans. Zool. Soc. vi. 1868, p. 416, t. 66. fig. 3².

Pomadasis leuciscus, Jord. & Gilb. Proc. U.S. Nat. Mus. 1881, p. 387³; Jord. & Fesler, Rep. U.S. Fish. Comm. 1893, p. 495⁴.

Brachydeuterus leuciscus, Jord. & Everm. Bull. U.S. Nat. Mus. xlvii. 1898, p. 1327⁵; Gilb. & Starks, Mem. Calif. Ac. Sci. iv. 1904, p. 109⁶.

Depth of body 3 in the length, length of head 3. Snout a little longer than eye, the diameter of which is 4–5 in the length of head; interorbital width $4\frac{1}{2}$ – $4\frac{3}{4}$ in the length of head. Præorbital deep, its depth greater than the diameter of eye. Maxillary not quite reaching the vertical from the anterior margin of eye. 11 or 12 gill-rakers on the lower part of anterior arch. 50–56 scales in a longitudinal series, 5 between lateral line and middle of dorsal fin. Dorsal XII 14–15; third or fourth spine longest, $\frac{1}{2}$ or less than $\frac{1}{2}$ the length of head. Anal III 7–8; second spine not longer than third, $\frac{1}{4}$ – $\frac{1}{3}$ the length of head. Pectoral $\frac{3}{4}$ – $\frac{4}{5}$ the length of head. Caudal emarginate. Silvery, back darker; indistinct dark longitudinal lines on the side; edge of opercular membrane blackish; often a blackish blotch in the axil of pectoral; dorsal and caudal fins dusky.

Hab. Pacific Coast from California to Peru, entering rivers:

Lower California⁵.—Mexico, Mazatlan⁵; Guatemala, San José and Chiapam (*Salvin*^{1 2}); Panama^{5 6} (*Dow*²).—Northern Peru⁵.

Here described from four specimens, 260–300 mm. in total length, from Panama and Chiapam.

2. *Pomadasis macracanthus*.

Pristipoma macracanthum, Günth. Proc. Zool. Soc. 1864, p. 146¹, and Trans. Zool. Soc. vi. 1868, p. 416, t. 64. fig. 1².

Pomadasis macracanthus, Jord. & Fesler, Rep. U.S. Fish. Comm. 1893, p. 493³; Jord. & Everm. Bull. U.S. Nat. Mus. xlvii. 1898, p. 1332⁴.

Depth of body $2\frac{1}{2}$ –3 in the length, length of head $2\frac{4}{5}$ –3. Snout $1\frac{1}{3}$ – $1\frac{2}{3}$ as long as eye, the diameter of which is $4\frac{1}{2}$ – $5\frac{1}{2}$ in the length of head; interorbital width $4\frac{1}{2}$ –5 in the length of head. Maxillary not extending to below the eye. 15 or 16 gill-rakers on the lower part of anterior arch. 44–49 scales in a longitudinal series, 4 or 5 between lateral line and middle of dorsal fin. Dorsal XII 13; fourth or fifth spine longest, $\frac{2}{3}$ – $\frac{1}{2}$ the length of head. Anal III 8; second spine longest, about $\frac{1}{2}$ the length of head. Pectoral as long, or nearly as long, as the head. Caudal slightly emarginate. Caudal peduncle about $1\frac{1}{3}$ as long as deep. Back dark; lower part of side silvery; sometimes 3 or 4 dark cross-bars on the side; fins dusky.