**Zoogoneticus robustus**, Meek, Publ. Columbian Mus., Zool. iii. 1902, p. 92; and v. 1904, p. 113, fig. 31.


Depth of body 3 to $3\frac{1}{2}$ in the length, length of head 3 to $3\frac{3}{4}$. Snout as long as or longer than eye, the diameter of which is 4 to 5 in the length of head; interorbital width $2\frac{1}{2}$ to $2\frac{3}{4}$ in the length of head. Lower jaw projecting. 36 to 39 scales in a longitudinal series. Dorsal 13–14; origin nearly equidistant from preoperculum and base of caudal. Anal 14–16; origin a little behind that of the dorsal. Pectoral $\frac{3}{4}$ to $\frac{3}{2}$ the length of head. Caudal subtruncate. Body usually with irregular dark spots; fins immaculate.

**Hab.** Mexico, Rio Lerma System:

Guanajuato; Rio Grande de Santiago (Puller); Lake Chapala; Lake Cuitzalo; Lake Patzcuaro; Zirahuen.

Here described from several specimens from the Rio Grande de Santiago, Lake Chapala, and Lake Patzcuaro, measuring up to 145 mm. in total length.


Viviparous. Anal fin of the male with the anterior five or six rays short, stiff, and subequal, separated by a more or less distinct notch from the rest of the fin. Mouth small, with short lateral cleft; rami of the lower jaw firmly united; minute teeth in bands, with an outer series of enlarged fixed teeth which are usually spear-shaped, but may have their spines truncate or even notched.

A single species from the Valley of Mexico.

1. **Limnurgus innominatus.** (Tab. XII. fig. 1.)


Depth of body $2\frac{1}{2}$ to $3\frac{1}{2}$ in the length, length of head $3\frac{3}{4}$ to 4. Snout as long as eye, the diameter of which is 4 to $4\frac{1}{4}$ in the length of head; interorbital width $2\frac{1}{2}$ to $2\frac{3}{4}$ in the length of head. 39 to 43 scales in a longitudinal series. Dorsal 18–23; origin equidistant from eye ($\sigma$) or operculum ($\varphi$) and base of caudal. Anal 20–26; origin a little behind that of the dorsal. Pectoral $\frac{3}{4}$ the length of head. Caudal subtruncate. Body with irregular dark spots or narrow vertical bars.

**Hab.** Mexico, Valley of Mexico:

City of Mexico; Lake Chalco (Meek); Lake Tezco (Geddes); Xochimilco.

Here described from several specimens, measuring up to 75 mm. in total length.