1. *Zoogoneticus cuitzeoensis*.


Depth of body 2 1/2 to 3 1/2 in the length, length of head 3 1/2 to 3 3/4. Snout as long as or shorter than the eye, the diameter of which is 3 to 3 1/2 in the length of head; interorbital width 2 3/4 to 3 in the length of head. Lower jaw projecting. 28 to 30 scales in a longitudinal series. Dorsal 13-16; origin equidistant from eye or operculum and base of caudal. Anal 13-15; origin a little behind that of the dorsal. Pectoral 3/4 to 3 1/4 the length of head. Caudal rounded. Males nearly uniformly coloured, with the vertical fins dusky, the dorsal and anal with pale edges. Females with a series of dark spots or bars on the lower half of the posterior part of the body; a pair of dark spots at the base of the caudal; fins pale, immaculate.

*Hab.* MEXICO, RIO LERMA SYSTEM:

Lake Chapala; Lake Cuitzeo.

Here described from specimens from Lake Chapala (*Meek*), measuring up to 65 mm. in total length.

2. *Zoogoneticus dugesii*.

*Fundulus dugesii*, Bean, Proc. U.S. Nat. Mus. 1887, p. 373, t. 20, fig. 5.


*Hab.* MEXICO, RIO LERMA SYSTEM:

Lagos; Guanajuato; Lake Patzcuaro.

This species should be easily distinguished by the coloration, the body being crossed by well-defined vertical bars, and by the short and deep caudal peduncle.

3. *Zoogoneticus diazi*.


*Zoogoneticus minimus*, Meek, t. e. p. 115, fig. 33.

Depth of body 3 1/4 to 3 3/4 in the length, length of head 3 1/4 to 3 3/4. Snout nearly as long as or shorter than eye, the diameter of which is 2 1/2 to 3 1/2 in the length of head; interorbital width 2 3/4 to 3 in the length of head. Lower jaw a little projecting. 32 to 34 scales in a longitudinal series. Dorsal 16-18; origin equidistant from head and base of caudal (♀) or a little nearer the former (♂). Anal 12-15; origin below or a little behind that of the dorsal. Pectoral 3/4 the length of head. Caudal subtruncate. A lateral series of irregular dark spots or vertical bars; fins immaculate.

*Hab.* MEXICO, RIO LERMA SYSTEM and VALLEY OF MEXICO:

Lake Patzcuaro; Lake Zirahuen; Lake Chalco.

Here described from specimens from Lake Patzcuaro (*Meek*) measuring up to 80 mm. in total length.

4. *Zoogoneticus robustus*.