

Investigating of length-weight relationship of *Paracobitis hicanica* (Mousavi-Sabet et al., 2015) in Zarin Gol Stream.

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The present study was carried out to determine some population dynamics factors of Southern Caspian crested loach *P. hicanica* in Zarin Gol Stream in Golestan province during winter season 2016. Sampling was taken in 5 stations. The results showed that the female to male sex ratio is 1:1.4 which is not significant. The total length range of female to male were determined 18.2- 67 and 18.2- 71 respectively. The total weight range of female to male were determined $2/41 \pm 0/2$ and $2/39 \pm 1/9$ respectively. Length-weight regression analysis were $W=3 \times 10^{-5} TL^{2.6}$ ($n=17$) in female and $W=5 \times 10^{-5} TL^{2.77}$ ($n=24$) in male. Both sexes had negative allometric growth model.

Keywords: *Paracobitis hicanica*, Length-weight relationship, Zarin-Gol stream.