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## Length-weight relationship of demersal fish from the eastern coast of the mouth of the Gulf of California

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The present study was performed with the purpose of describing the length-weight relationships for 64 species from 36 fish families of ecological and commercial importance, found at the soft bottom of the continental shelf on the Eastern coast of the mouth of the Gulf of California. The knowing the LWR is important because it provides information on the life history of species and may be an input to the assessment of fishery resources in the region. In this study, the demersal fish were collected during eight surveys aboard a commercial shrimp-trawling boat that operated at depths of 10 to 60 m during the 2005/06 and 2006/07 shrimp fishing seasons. Parameter  $b$  of the model  $W = aL^b$  varied from 1.801 to 3.916, with a mean value of 2.9511 (SD = 0.3574) and fits a normal distribution. We reported 38 new records of the LWR and 10 of larger total length than those reported in FishBase.

Palabras clave: Biomasa, shrimp fishery, length-weight relationship, growth type, demersal fish

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