

The Ecology of *Adontorhina cyclia* Berry (1947) (Bivalvia: Thyasiridae) on the Southern California Borderland

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ABSTRACT

Adontorhina cyclia BERRY, 1947 is widely distributed on the continental borderland of southern California. It is a faunal element in every major habitat type including two of the outer deep basins, Santa Cruz Basin and San Nicolas Basin. On the mainland shelf it is discontinuously distributed from Point Conception to the US/Mexican Border. The depth distribution of *Adontorhina* reflects the fact that it inhabits both topographic highs and some of the deep basins of the borderland. Its depth range is from 11.6 to 1886.0 meters. While *Adontorhina* is able to inhabit a wide range of sediment types, from 1.5 to 8.1 mean phi, it was primarily collected from locations where sediments ranged from 3 to 5 mean phi. A diverse array of macrofaunal taxa is associated with *Adontorhina*. The numerically dominant taxa varied from habitat to habitat.

Key words: *Adontorhina*, borderland, distribution, abundance, associates

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