



Isidorella egregia (Preston, 1906)



Isidorella egregia (adult size 6-9.5 mm)

Disclaimer

This genus is in need of revision, as the species concepts we have



Distribution of *Isidorella egregia*.

used have not been rigorously tested. Unpublished molecular data indicate that the species units we are here using appear to be justified, however they are not accompanied by clear-cut morphological characters that allow separation based on shell characters alone. As the species units appear to be overall concordant with state boundaries, we have used these boundaries to delimit species. This situation is not ideal and can only be resolved by additional molecular and morphological studies involving dense sampling.

Diagnostic features

The relatively high spire, very convex whorls and deep sutures, fine axial growth lines and rather elongated shape readily distinguish this species from *I. newcombi*. It reaches about 12 mm in length.

Incorrectly included in *Glyptophysa* by Smith (1992).

Classification

Isidorella egregia (Preston, 1906)

Class Gastropoda

Infraclass Heterobranchia

Megaorder Hygrophila

Order Lymnaeida

Superfamily Planorboidea

Family Planorbidae

Subfamily: Miratestinae

Genus *Isidorella* Tate, 1896

Original name: Limnea (Bulinus) egregia Preston, 1906. In Preston, H. B. (1906). Description of a new species of *Limnea* from north-west Australia *Proceedings of the Malacological Society of London* 7: 36.

Type locality: North Western Australia.

Note: Physa contortula Clessin, 1886 (Type locality: Australia) may be an earlier name for this species.

Biology and ecology

Unknown, but probably similar to that of *I. newcombi*.

Distribution

Indian Ocean division, Pilbara and Kimberley regions, Western Australia.

Notes

This genus is in need of revision, as the species concepts we have used have not been rigorously tested and can only be resolved by additional molecular and morphological studies involving dense sampling.

Further reading

Hubendick, B. (1955). Phylogeny of the Planorbidae. *Transactions of the Zoological Society of London* 28: 453-542.

Köhler, F., Kessner, V. & Whisson, C. (2012). New records of non-marine, non-camaenid gastropods (Mollusca: Gastropoda) from islands off the Kimberley coast, Western Australia. *Records of the Western Australian Museum* 27: 21-39.

Smith, B. J. (1992). Non-marine Mollusca. Pp. i-xii, 1-408 in W. W. K. Houston. *Zoological Catalogue of Australia*, 8. Canberra, Australian Government Publishing Service.

Walker, J. C. (1988). Classification of Australian buliniform planorbids (Mollusca: Pulmonata). *Records of the Australian Museum* 40: 61-89.

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https://keys.lucidcentral.org/keys/v3/freshwater_molluscs/

To contact the authors for comment or suggestions, please email: fwmollusc@gmail.com

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