



Ancylostomum irvinae (Petterd, 1888)

Diagnostic features

A large limpet-like planorbid with a radially (i.e., spirally) ribbed shell.



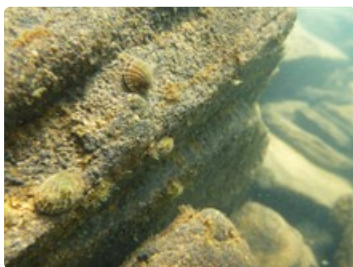
Ancylostomum irvinae (adult size 12-17.5 mm)



Ancylostomum irvinae with egg capsule.
Great Lake. Photo K. Macfarlane.



Ancylostomum irvinae ventral view of living animal.
Great Lake. Photo K. Richards.



Ancylostomum irvinae in situ. Great Lake. Photo K. Macfarlane.



Distribution of *Ancylostomum irvinae*.



Great Lake showing area where *Ancylostomum irvinae* was found during a period of unusually low water level of the lake. Photo: K. Richards.

Classification

Ancylostomum irvinae (Petterd, 1888)

Class Gastropoda

Infraclass Heterobranchia

Megaorder Hygrophila

Order Lymnaeida

Superfamily Planorboidea

Family Planorbidae

Subfamily: Miratestinae

Genus *Ancylastrum* Bourguignat, 1853

Original name: Ancyclus irvinae Petterd, 1888. In Petterd, W. F. (1888). Descriptions of two new species of Tasmanian fresh-water shells. *Papers and Proceedings of the Royal Society of Tasmania* 1887: 40-41.

Type locality: Great Lake, Tasmania.

State of taxonomy

Although two species are recognised, there is some doubt if they are valid as both occur sympatrically in Great Lake (Richards et al. 2018).

Biology and ecology

Lives on stones in lakes of the Central Plateau of Tasmania. Recently found attached to stones in shallow water at a time when the lake reached a record low (K. Richards pers. comm.).

Distribution

Tasmania - lakes of the Central Plateau, notably Great Lake.

Further reading

Baker, F. C. (1945). *The molluscan family Planorbidae*. Urbana USA, University of Illinois Press.

Beesley, P. L., Ross, G. J. B. & Wells, A., Eds. (1998). *Mollusca: The Southern Synthesis. Parts A & B*. Melbourne, CSIRO Publishing.

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

Hubendick, B. (1964). Studies on Ancyliidae: the subgroups. *Göteborgs Kungliga Vetenskaps och Vitterhets Samhälles Handligar Sjätte Följden B* 9: 1-72.

Richards, K., Spencer, C. P., Barnuta, L. & Allen, J. (2015). Insights into the diet of trout in Tasmania's central highlands lakes—an angler's contribution to science. *The Tasmanian Naturalist* 137: 60-69.

Richards, K., Spencer, C. P. & Macfarlane, K. (2018). A biological investigation of the Great Lake Giant Freshwater Limpet, *Ancylastrum cumingianus* (Bourguignat 1853) and its larger cousin *A. irvinae* (Petterd 1888). *The Tasmanian Naturalist* 140: 161-173.

Smith, B. J. & Kershaw, R. C. (1981). *Tasmanian Land and Freshwater Molluscs*. Hobart, University of Tasmania.

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

To cite this resource: **Ponder, W. F., Hallan, A., Shea, M. E., Clark, S. A., Richards, K., Klunzinger, M. W., and Kessner, V. 2023. Australian Freshwater Molluscs. Revision 2.**

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

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

Copyright © 2023. All rights reserved. The Australian Museum.

