



Carnarvoncochlea carnarvonensis **(Ponder & Clark, 1990)**



Carnarvoncochlea carnarvonensis (adult size 1.8-2.5 mm)



Distribution of *Carnarvoncochlea carnarvonensis*



Small stream Carnarvon Gorge NP, Queensland.
Showing microhabitat. Photo C. Lydeard.



Moss Garden, Carnarvon Gorge NP, Queensland.
Photo J. Ponder.

Diagnostic features

This small (maximum length 2.5 mm) broadly conic species has an umbilicate shell. It is larger than *C. exigua*, and with a taller spire.

Classification

Carnarvoncochlea carnarvonensis (Ponder & Clark, 1990)

Class Gastropoda

Infraclass Caenogastropoda

Order Littorinida

Suborder Rissoidina

Superfamily Truncatelloidea

Family Tateidae

Genus Carnarvoncochlea Ponder, Zhang, Hallan & Shea, 2019.

Original name: *Jardinella carnarvonensis* Ponder & Clark, 1990. In Ponder, W. F. & Clark, G. A. (1990). A radiation of hydrobiid snails in threatened artesian springs in western Queensland. *Records of the Australian Museum* 42(3): 301-363.

Type locality: unnamed spring approximately 5 km northwest of Rangers headquarters, just north of 13th river crossing, Carnarvon Gorge National Park, Queensland.

State of taxonomy

Ponder et al. (2019) recorded variation and indicated that revision of these snails is necessary.

Biology and ecology

This species lives in small springs, seepages and small streams.

Distribution

Carnarvon Gorge National Park in southwest Queensland.

Further reading

Fensham, R., Ponder, W. & Fairfax , R. (2010). *Recovery plan for the community of native species dependent on natural discharge of groundwater from the Great Artesian Basin. Report to Department of the Environment, Water, Heritage and the Arts, Canberra*. Queensland Department of Environment and Resource Management, Brisbane. <https://www.environment.gov.au/system/files/resources/0cefc83a-3854-4cff-9128-abc719d9f9b3/files/great-artesian-basin-ec.pdf>

Perez, K. E., Ponder, W. F., Colgan, D. J., Clark, S. A. & Lydeard, C. (2005). Molecular phylogeny and biogeography of Spring-associated hydrobiid snails of the Great Artesian Basin, Australia. *Molecular Phylogenetics and Evolution* 34: 545-556.

Ponder, W. F. & Clark, G. A. (1990). A radiation of hydrobiid snails in threatened artesian springs in western Queensland. *Records of the Australian Museum* 42: 301-363.

Ponder, W. F., Zhang, W. -H., Hallan, A., & Shea, M. E. (2019). New taxa of Tateidae (Caenogastropoda, Truncatelloidea) from springs associated with the Great Artesian Basin and Einasleigh Uplands, Queensland, with the description of two related taxa from eastern coastal drainages. *Zootaxa* 4583(1): 1-67.

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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

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