



## ***Caldicochlea harrisi* (Ponder, Colgan, Terzis, Clark & Miller, 1996)**



*Caldicochlea harrisi* (adult size 2.3-3.8 mm)



Distribution of *Caldicochlea harrisi*.



Arial view of the northern part of Dalhousie Springs.  
Photo: SA Dept of Lands.



One of the many small springs, Dalhousie Springs.  
Photo: W. Ponder.

### **Diagnostic features**

Both *Caldicochlea* species are highly variable in shell shape and are difficult to distinguish on shell morphology alone. However, *C. harrisi* is usually smaller and more conical than *C. globosa*.

### **Classification**

*Caldicochlea harrisi* (Ponder, Colgan, Terzis, Clark & Miller, 1996)

Class Gastropoda

Infraclass Caenogastropoda

Order Littorinida

Suborder Rissoidina

Superfamily Truncatelloidea

Family Tateidae

Genus *Caldicochlea* Ponder, 1997.

*Original name:* *Dalhousia harrisi* Ponder, Colgan, Terzis, Clark & Miller, 1996. In Ponder, W. F., Colgan D. J., Terzis, T., Clark, S. and Miller, A. 1996. Three new morphologically and genetically determined species of hydrobiid gastropods from Dalhousie Springs, northern South Australia, with the description of a new genus. *Molluscan Research* 17: 49-109.

*Type locality:* Earwanyera Spring, Dalhousie Springs, South Australia.

## Biology and ecology

This species lives in a wide range of habitats ranging from small cold seeps (down to 20 degrees C), to large warm pools to very hot (up to 43 degrees) springs. It sometimes occurs in sympatry with the almost identical *C. globosa* in some springs. At site Ca 1 it has been found only on the edges of the large pool where it is effectively out of reach of predatory catfish which are known to eat tateid snails.

## Distribution

Found in all springs of the Dalhousie group except the Gb subgroup (see Ponder et al. 1996).

## Further reading

Colgan, D. J. & Ponder, W. F. (2000). Incipient speciation in aquatic snails in an arid-zone spring complex. *Biological Journal of the Linnean Society* 71: 625-641.

Ponder, W. F., Colgan, D. J., Terzis, T., Clark, S. A. & Miller, A. C. (1996). Three new morphologically and genetically determined species of hydrobiid gastropods from Dalhousie Springs, northern South Australia, with the description of a new genus. *Molluscan Research* 17: 49-109.

Ponder, W. F. (1997). Nomenclatural rectifications in Australian Hydrobiidae. *Molluscan Research* 18: 67-68.

Zeidler, W. & Ponder, W. F., Eds. (1989). *The natural history of Dalhousie Springs*. Adelaide, South Australian Museum.

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