



Coxiella gilesi (Angas, 1877)

Diagnostic features

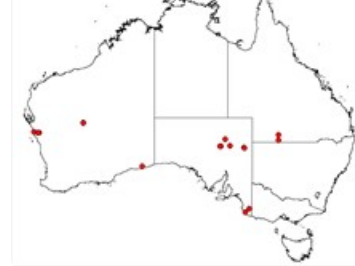
The shell is broader than other species of *Coxiella*, pale orange,



Coxiella gilesi (adult size up to 8 mm)



Coxiella gilesi (adult size up to 8 mm)



Distribution of *Coxiella gilesi*.

and with convex whorls and impressed sutures. Operculum paucispiral.

Classification

Coxiella gilesi (Angas, 1877)

Class Gastropoda

Infraclass Caenogastropoda

Order Littorinida

Suborder Rissoidina

Superfamily Truncatelloidea

Family Pomatiopsidae

Subfamily: Pomatiopsinae

Genus E. A. *Coxiella* Smith, 1894

Original name: *Paludinella gilesi* Angas, 1877. Angas, G. F. (1877). Descriptions of a new species of *Bulimus* from Western Australia and of a *Paludinella* from Lake Eyre, South Australia. *Proc. Zool. Soc. Lond.* 1877: 170 - 177.

Type locality: Shores of Lake Eyre, South Australia.

Synonyms: *Blandfordia stirlingi* Tate, 1894; *Blandfordia stirlingi mammillata* Tate, 1894.

State of taxonomy

We follow Macpherson (1957), which is the latest taxonomic treatment of this group.

Biology and ecology

Inhabits salt lakes and saline pools.

Coxiella have a deep furrow on each side of the head, a suprapedal fold around the sides of the foot and movement is by steps. The snout is long and the eyes have a cluster of glands above them. *Coxiella* are dioecious and development is direct; females are oviparous, depositing eggs singly in capsules coated in sand or mud. *Coxiella* probably feed on organic detritus and they are amphibious.

Distribution

South Australia (SA Gulfs; SE Coastal divisions) to Western Australia (Indian Ocean division) and south-western Queensland.

Notes

For species description see Macpherson (1957).

Further reading

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

Davis, G. M. (1979). The origin and evolution of the gastropod family Pomatiopsidae, with emphasis on the Mekong River Triculinae. *Academy of Natural Sciences of Philadelphia Monographs* 20: 1-120.

Iredale, T. (1943). A basic list of the fresh water Mollusca of Australia. *Australian Zoologist* 10: 188-230.

Macpherson, J. H. (1957). A review of the genus *Coxiella* Smith, 1894, *sensu lato*. *Western Australian Naturalist* 5: 191-204.

Wilke, T. (2019). Pomatiopsidae Stimpson, 1865. Pp. 126-130 in C. Lydeard & Cummings, K. S. *Freshwater Mollusks of the World: a Distribution Atlas*. Baltimore, John Hopkins University Press.

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

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