



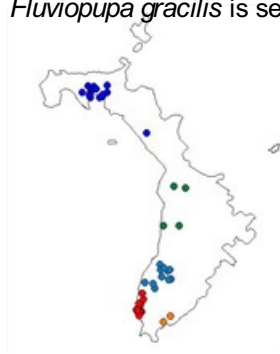
## *Fluviopupa gracilis pupa* (Iredale, 1944)

### Diagnostic features

*Fluviopupa gracilis* is separated from *F. ramsayi* in having an



*Fluviopupa gracilis pupa* (adult size up to 4 mm)



Distribution of the five subspecies of *Fluviopupa gracilis*: *pupa* (dark blue); *colmani* (green); *erskinensis* (lighter blue); *gracilis* (red); *kingstoni* (orange).

elongate-pupoid shell and the distal end of the penis is longer (not shorter) than the accessory lobe. In *F. gracilis pupa* the mantle and head-foot are darkly pigmented and the pupoid shell has about 4 whorls which have impressed sutures and the operculum has a well-developed white smear on the inner side.

### Classification

*Fluviopupa gracilis pupa* (Iredale, 1944)

Class Gastropoda

Infraclass Caenogastropoda

Order Littorinida

Suborder Rissoidina

Superfamily Truncatelloidea

Family Tateidae

Genus *Fluviopupa* Pilsbry, 1911

Original name: *Pupidrobia pupa* Iredale, 1944. In Iredale, T. (1944) The land Mollusca of Lord Howe Island *Australian Zoologist* 10: 299-334.

Type locality: Creeks at Old Settlement, Lord Howe Island.

## Biology and ecology

In pools of small creeks on and under stones and leaves.

## Distribution

Creeks behind Old Settlement Beach, Lord Howe Island.

## Notes

The Lord Howe Island *Fluviopupa* species are rather similar in appearance but the different taxa are in distinct geographical locations on Lord Howe Island.

## Further reading

Iredale, T. (1944). The land Mollusca of Lord Howe Island. *Australian Zoologist* 10: 299-334, pls XVII-XX

Ponder, W. F. (1982). Hydrobiidae of Lord Howe Island (Mollusca: Gastropoda: Prosobranchia). *Australian Journal of Marine and Freshwater Research* 33: 89-159.

Zielske, S., Ponder, W. F. & Haase, M. (2017). The enigmatic pattern of long-distance dispersal of minute freshwater gastropods (Caenogastropoda, Truncatelloidea, Tateidae) across the South Pacific. *Journal of Biogeography* 44: 195-206.

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