



## *Kessneria papillosa* Walker & Ponder, 2001



*Kessneria papillosa* (adult size up to 13.5 mm)



Distribution of *Kessneria papillosa*.



Vince Kessner in 2007, after whom *Kessneria* was named. Photo J. Ponder.



Seasonal pool near Adelaide River, a location where *K. papillosa* is found. Photo V. Kessner.

### Diagnostic features

Globose sinistral shell, elongate papillate protoconch, prominent open umbilicus, sinuous outer lip, constricted last whorl. Teleoconch sculpture of fine axial and spiral threads which become obsolete on later whorls. Columella relatively broad and shelf-like with distinct broad bulge adjacent to umbilicus. Eyes situated on lobes on median side of tentacles. Animal body grey with patches of grey pigment.

## Classification

*Kessneria papillosa* Walker & Ponder, 2001

Class Gastropoda

Infraclass Heterobranchia

Megaorder Hygrophila

Order Lymnaeida

Superfamily Planorboidea

Family Planorbidae

Genus *Kessneria* Walker, J.C. & Ponder, W.F. 2001 (Type species: *Kessneria papillosa* Walker & Ponder, 2001)

*Original name:* *Kessneria papillosa* Walker & Ponder, 2001. In Walker, J. C. & Ponder, W. F. (2001). A new genus and species of Planorbidae (Gastropoda: Heterobranchia: Pulmonata) from northern Australia. *Journal of Molluscan Studies* 67: 153-160.

*Type locality:* Flood plains west of Adelaide River, near Owens Lagoon, Northern Territory.

## Biology and ecology

Found in wet, seasonally inundated muddy depressions on flood plain.

## Distribution

Adelaide River floodplain, Northern Territory.

## Notes

Genetic study has shown that this species is most closely related to *Leichhardtia sisurnius*.

## Further reading

Albrecht, C., Kuhn, K. & Streit, B. (2007). A molecular phylogeny of Planorboidea (Gastropoda, Pulmonata): insights from enhanced taxon sampling. *Zoologica Scripta* 36: 27-39.

Albrecht, C., Stelbrink, B. & Clewing, C. (2019). Planorbidae Rafinesque, 1815. Pp. 181-186 in C. Lydeard & Cummings, K. S. *Freshwater Mollusks of the World: a Distribution Atlas*. Baltimore, John Hopkins University Press.

Walker, J. C. & Ponder, W. F. (2001). A new genus and species of Planorbidae (Mollusca: Gastropoda: Heterobranchia: Pulmonata) from northern Australia. *Journal of Molluscan Studies* 67: 153-160.

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