



# BRYOPHYTES of Australia

## *Goniomitrium acuminatum subsp. enerve*

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<https://profiles.ala.org.au/opus/boa/profile/Goniomitrium%20acuminatum%20subsp.%20enerve> [Date Accessed: 22 March 2019]

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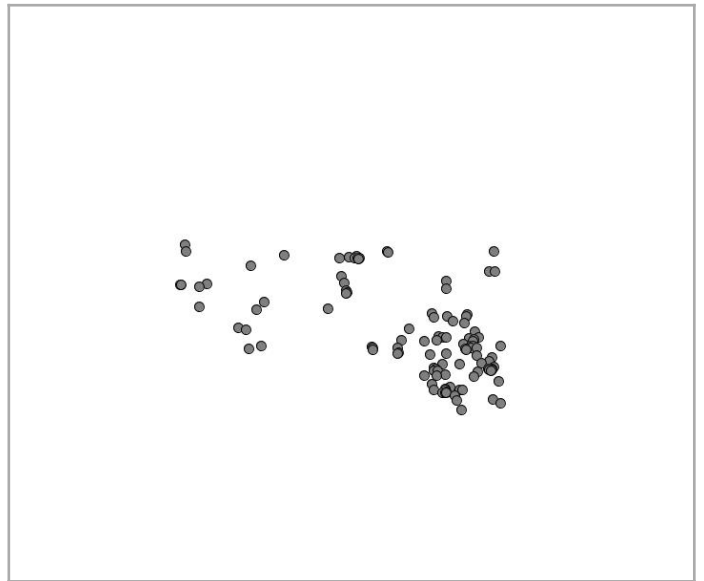


## ***Goniomitrium acuminatum* subsp. *enerve* (Hook.f. & Wilson) Fife &**

Allan J. Fife & Rodney D. Seppelt

Plants small, brownish green to bright green, forming dense clusters on soil. Stems reddish brown or pale, unbranched or rarely forked, to c. 2 mm tall. Upper leaves concave, ovate or very broad and often wider than long, obovate to spatulate; apex broadly obtuse, often apiculate, to 2.5 mm long; costa generally absent, a few leaves with a vestigial 'costa' consisting of a bistratose strip 1 or 2 cells wide and 2 or 3 cells long, occasionally discontinuous, in the position of a true costa in the mid- and upper part of the leaf; margins plane and entire. Upper laminal cells quite variable, hexagonal to oblong, 15–25 µm wide, equidimensional to elongate; those in lower portion of lamina more oblong or quadrate, somewhat laxer; marginal cells not differentiated. Perichaetial leaves very concave with an obtuse, apiculate or occasionally acuminate apex, to 2 mm long, usually much shorter than in the type subspecies, ecostate or sometimes with a vestigial 'costa'. Spores (70–) 80–90 (–110) µm in greater diam.

*Distribution:* Occurs in W.A., N.T., S.A., Qld, N.S.W. and Vic.; endemic.



*Representative Herbarium Specimens:* N.T.: Kunoth Well, Hamilton Downs Stn, *D.Nelson* 2307.  
N.S.W.: 80 km SW of Cobar, *D.J.Eldridge* BSCS 93; Mundi Mundi, W of Broken Hill, *D.J.Eldridge* BSCS 523.  
Vic.: Mt Wycheproof, *W.W.Watts* 652.

*Nomenclature And Typification:* ***Goniomitrium acuminatum*** subsp. ***enerve*** (Hook. & Wilson) Fife & Seppelt, *Hikobia* 13: 487 (2001); *Goniomitrium enerve* Hook. & Wilson, *London J. Bot.* 5: 142 (1846); *Physcomitrium enerve* (Hook. & Wilson) Müll.Hal., *Syn. Musc. Frond.* 2: 545 (1851). T: Swan R., W.A., *J.Drummond* 6a; holo: BM.

*Illustrations:* D.G.Catcheside, *Mosses of South Australia* 235, fig. 132 (1980), as *G. enerve*; D.Meagher & B.Fuhrer, *A Field Guide to the Mosses and Allied Plants of Southern Australia* 101 (2003), as *G. acuminatum* var. *enerve*.

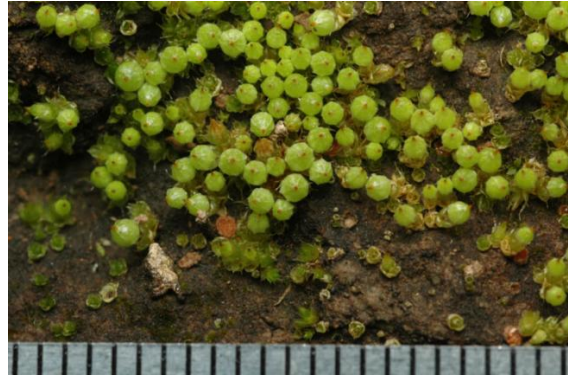
### **Conservation Status**

QLD - Least concern

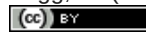
## Images



**Fig. 1:** '*Goniomitrium acuminatum* subsp. *enerve*' by Fagg, M. (© Fagg, M.)



**Fig. 2:** '*Goniomitrium acuminatum* subsp. *enerve*' by Fagg, M. (© Fagg, M.)



**Fig. 3:** '*Goniomitrium acuminatum* subsp. *enerve*' by Fagg, M. (© Fagg, M.)

