

# ***Interactive comment on “Speculations on the application of foliar $^{13}\text{C}$ discrimination to reveal groundwater dependency of vegetation, provide estimates of root depth and rates of groundwater use” by Rizwana Rumman et al.***

**Rizwana Rumman et al.**

derek.eamus@uts.edu.au

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Response to anonymous referee 1:

We thank the referee for their kind comments about the “useful contribution to the field” and that the paper is well organized and interesting to read.

In response to your comments, we have made the following changes:

a) Figure 1 – replaced the red bar with an arrow; made the y axes in the top two panels

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match so that the upper limit is 70 mm d-1 in both panels.

b) Corrected the typo “. . . . site that at sites . . .” now reads “. . . . sites than at sites . . .”

c) We have made font sizes and panel sizes equal in Fig. 3.

d) We have adjusted the x axis label to prevent the 2000 being partially cut-off.

e) We have applied the regression only to the eucalypt and amended the text in the Ms to reflect this.

f) We have corrected the typographical error in the first line of section 3.3.

g) Font sizes corrected in Fig 6.

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