

Public justification (visible to the public if the article is accepted and published):

Dear author,

many thanks for your revisions which mostly accommodate the referee comments. However, before accepting your manuscript for publication, I would ask you to take into account two comments from R#2 that were acknowledged in your response but not implemented in the revised manuscript.

L829: Proposed text not implemented: Across the 3-year period, we found that the predominant driver of pCO₂water in the Rhode River was biological activity, accounting for nearly 4 times more forcing than the physical effects of water temperature on CO₂ solubility (Table 3).

Apologies for not including the proposed language in last revision, this was an oversight. This appears in Tracked Changes and Finals versions of current revision. (Note, line numbers have changed from original version where Rev#2 made comments, but edits correspond correctly.

L973: Proposed modification not implemented (Diel cycling)

We have removed the section on diel cycling, revised section numbers and distributed two passages from the former section in the Conclusions section.

Many thanks

Kind regards

FG