

Dear editor,

I would like to thank you for the support during the peer review process. I have proceeded with all required edits. The specific lines where changes were made are indicated below.

Kind regards,

Charly A. Moras, on behalf of all authors.

Line 112: added “in the appendix”

Line 138: added “in the appendix”

Lines 140-142: following suggestion, we removed the Table and added “For each experimental set, $\text{Ca}(\text{OH})_2$ and $\text{Mg}(\text{OH})_2$ treatments were applied at six amendment levels (+100, +200, +300, +400, +500, and +600 $\mu\text{mol kg}^{-1}$), while NaOH was applied only at +600 $\mu\text{mol kg}^{-1}$. Each treatment and the unamended control were prepared in triplicate, resulting in 42 bottles per experimental set.”

Line 370: changed “Table 2” to “Table 1”

Line 378: changed “Table 2” to “Table 1”

Line 550: changed “Table 2” to “Table 1”

Line 661: removed the space between A and 1

Line 665: removed the space between A and 2

Line 671: removed the space between A and 1

Line 674: removed the space between A and 2

Line 680: added the following statement “The data are available on Zenodo, at <http://doi.org/10.5281/zenodo.23078831> (Moras, 2026).”

Lines 842-844: added the corresponding reference “Moras, C. A.: Dataset on the effect of advection and CO_2 ingassing on the dissolution of $\text{Ca}(\text{OH})_2$ and $\text{Mg}(\text{OH})_2$ in seawater and the formation of CaCO_3 for ocean alkalinity enhancement. [Dataset]. Zenodo. <https://doi.org/10.5281/zenodo.23078831>, 2026.”

Figures: all figures have been reprocessed in high resolution and provided in a .zip folder for submission