

Clim. Past Discuss., referee comment RC1
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Comment on cp-2021-25

Anonymous Referee #1

Referee comment on "Enhanced Terrestrial Runoff during Oceanic Anoxic Event 2 on the North Carolina Coastal Plain, USA" by Christopher M. Lowery et al., Clim. Past Discuss., <https://doi.org/10.5194/cp-2021-25-RC1>, 2021

This paper presents an integrated bio- and chemostratigraphic profile of the mid-Cretaceous Atlantic Coastal Plain, USA, along with a geochemical perspective on terrigenous input to the basin.

This paper is very well written, and the scientific methods and findings are sound. I believe that the data presented here are valuable to the scientific community and will be of interest to the readers of Climates of the Past. I suggest only minor revisions.

Minor points:

- En dashes should be used instead of hyphens when indicating 'to'. e.g. Cenomanian–Turonian.
- Line 141: what kind of work? Biostratigraphy?
- Line 172: what molarity was the acid?
- Line 195, 324, 385: please avoid using terms such as 'this' or 'these' without qualifying. Check throughout.
- Line 200: 201.2 m.
- O'Connor et al. 2019 should be 2020.
- Line 355–360: this interpretation is incorrect. O'Connor et al. state that there is no drawdown of CO₂. The original Barclay et al. data indicate an increase in CO₂, and this interpretation is supported by O'Connor et al.