

Biogeosciences Discuss., author comment AC1  
<https://doi.org/10.5194/bg-2021-39-AC1>, 2021  
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## Reply on RC2

Stuart A. Vyse et al.

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Author comment on "Sediment and carbon accumulation in a glacial lake in Chukotka (Arctic Siberia) during the Late Pleistocene and Holocene: combining hydroacoustic profiling and down-core analyses" by Stuart A. Vyse et al., Biogeosciences Discuss., <https://doi.org/10.5194/bg-2021-39-AC1>, 2021

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Dear Assoc. Prof. Mgr. Daniel Nyvlt,

Firstly we would like to thank you for taking the time to review our manuscript entitled "Sediment and carbon accumulation in a glacial lake in Chukotka (Arctic Siberia) during the late Pleistocene and Holocene: Combining hydroacoustic profiling and down-core analyses" in detail. We are especially grateful for all your comments and suggestions particularly during this time of the global pandemic. We appreciate highly that you consider the scientific significance and importance of our manuscript for increasing our understanding of carbon storage in Arctic glacial lake systems. In the attached .pdf response file (supplement), we provide detailed replies to each individual comment and provide our proposed changes and adjustments to the manuscript that will be carried out and shown within the revised manuscript version. As such your comments are highlighted in black and *italicized* and our replies are highlighted in blue. We hope that are you satisfied with our replies and our proposed changes.

Thank you again once for taking the time to review manuscript,

On behalf of all the authors,

Stuart Andrew Vyse

Please also note the supplement to this comment:

<https://bg.copernicus.org/preprints/bg-2021-39/bg-2021-39-AC1-supplement.pdf>