

Interactive comment on “Spatial distribution of environmental indicators in surface sediments of Lake Bolshoe Toko, Yakutia, Russia” by Boris K. Biskaborn et al.

Boris K. Biskaborn et al.

boris.biskaborn@awi.de

Received and published: 12 July 2019

Dear Dr Mackay

Thank you very much for your comprehensive review of our manuscript. We agree with your suggestions and we believe that we can solve most of the problems you are pointing at. Your detailed comments on the statistics applied are very valuable, thank you very much. It will help to focus this paper more on the specific characteristic of Bolshoe Toko including conclusions for environmental implications and core locations. Yes we can adjust our significance test to $p < 0.001$. We are aware that this study has a high descriptive component, which was part of the study design given that we plan

C1

to submit follow-up papers on long sediment core material from this lake. The usual dimension of one manuscript suggests to rather split the downcore analyses from the spatial proxy variability, so that we can refer to the results in this manuscript when discussing the proxy variability over time in our next manuscripts.

We would like to prepare detailed revision notes and a point-to-point answer to each of your comments.

We highly acknowledge your great efforts reviewing our manuscript and we are grateful for the additional literature you provided.

With kind regards, Boris Biskaborn

Interactive comment on Biogeosciences Discuss., <https://doi.org/10.5194/bg-2019-146>, 2019.

C2