

Supplement of

Organic Carbon Characteristics in Ice-rich Permafrost in Alas and Yedoma Deposits, Central Yakutia, Siberia

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- Figure S1 – Digital mapping of the Yukechi Alas landscape
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- Figure S6 – Grain size distribution for the Alas1 core

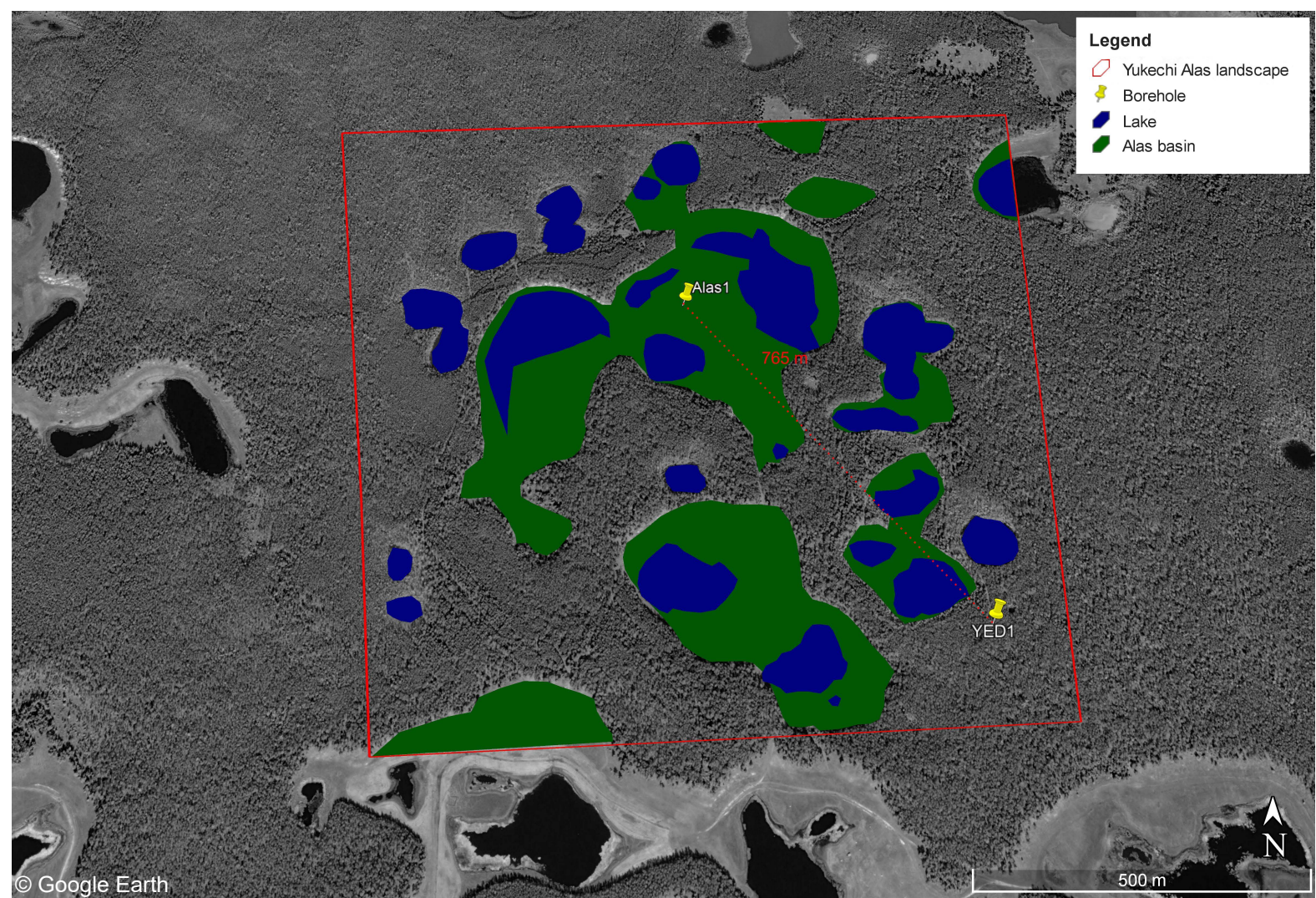


Figure S1 - Digital mapping of the Yukechi Alas landscape (red); lakes were digitalized in blue, Alas basins were digitalized in green; sampling locations Alas1 and YED1 marked in yellow; the 765 m distance between YED1 and Alas1 is marked by a red dotted line; satellite image taken from Google Earth.

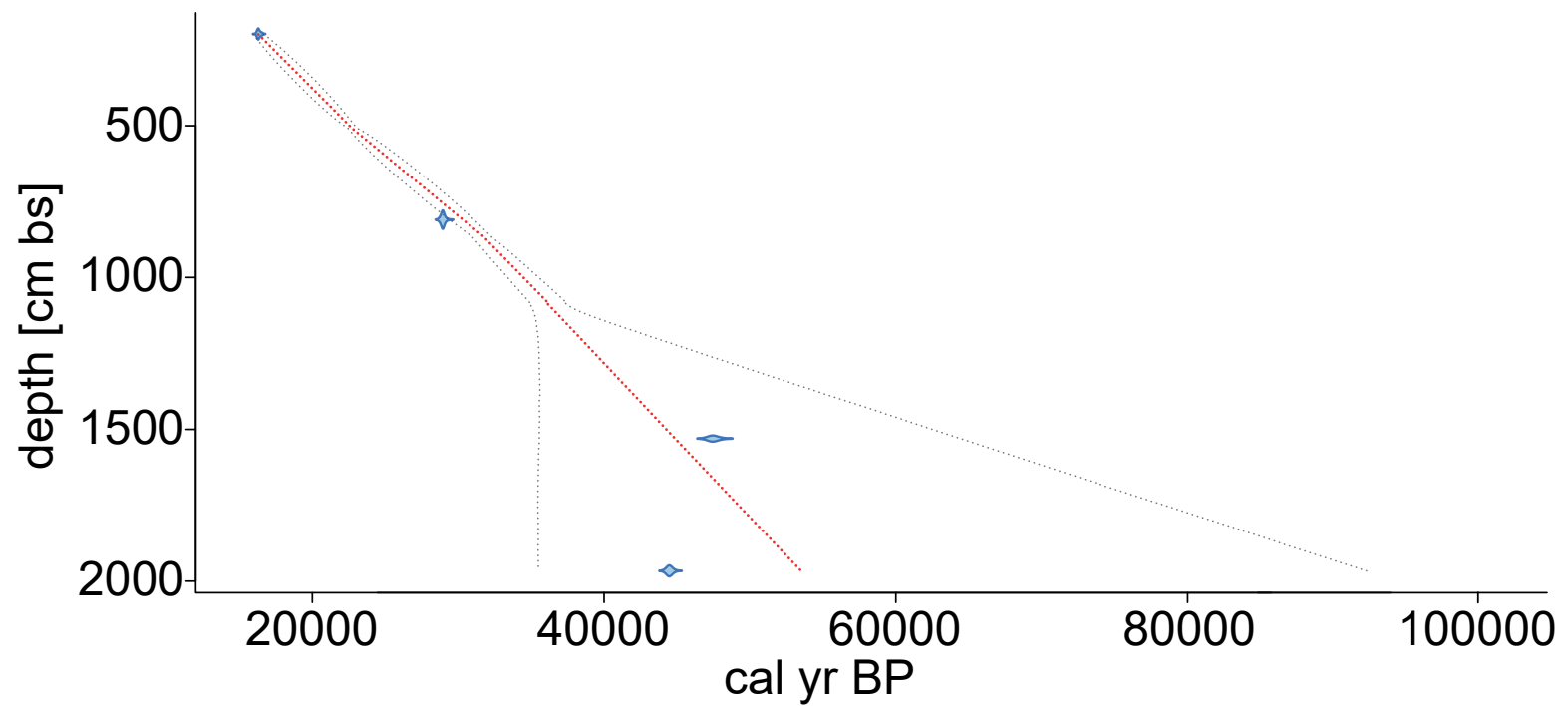
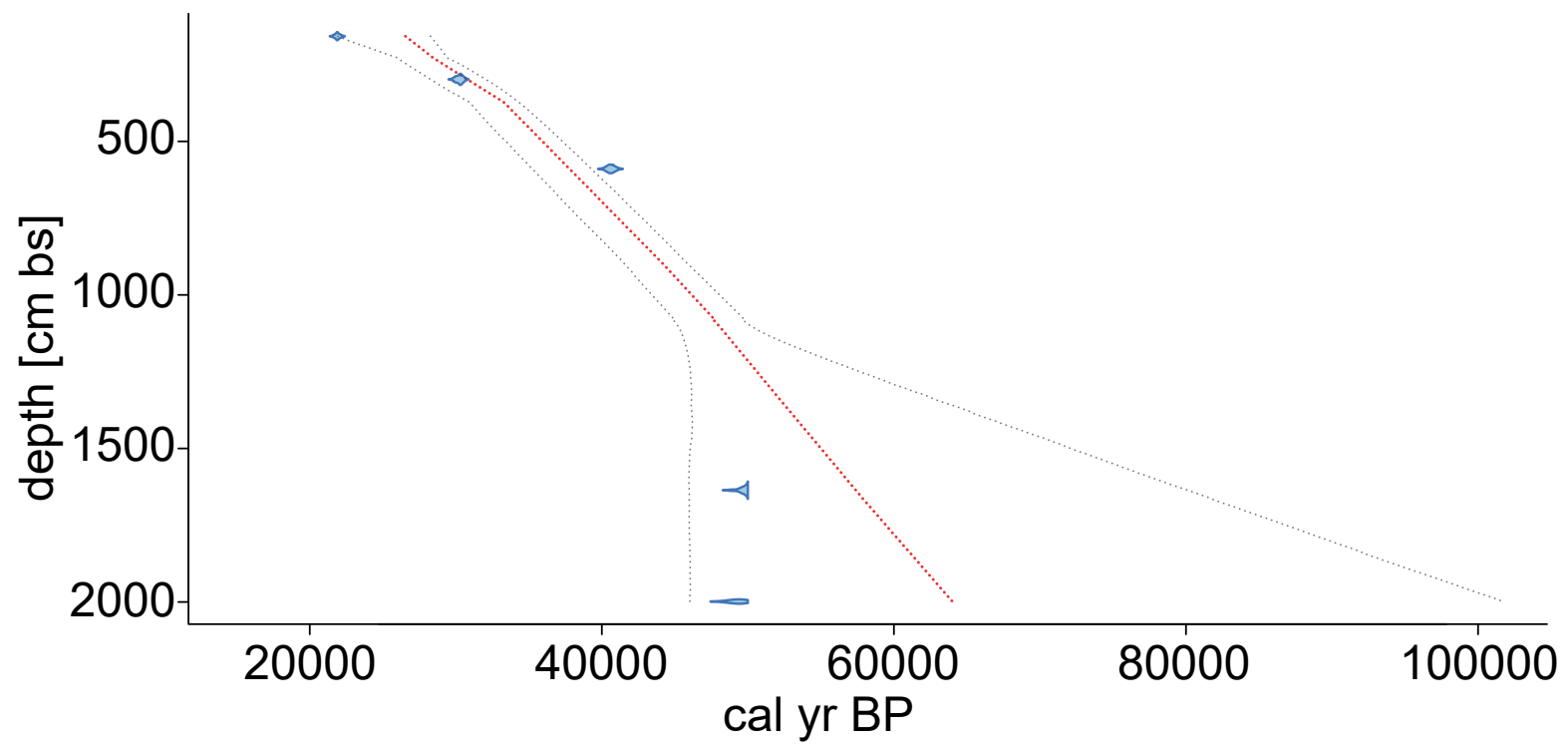


Figure S2 - Age-depth model for YED1 and Alas1; radiocarbon ages in blue with uncertainties; median in red; model range indicated by grey dotted lines; created with the Bacon package in the R environment.

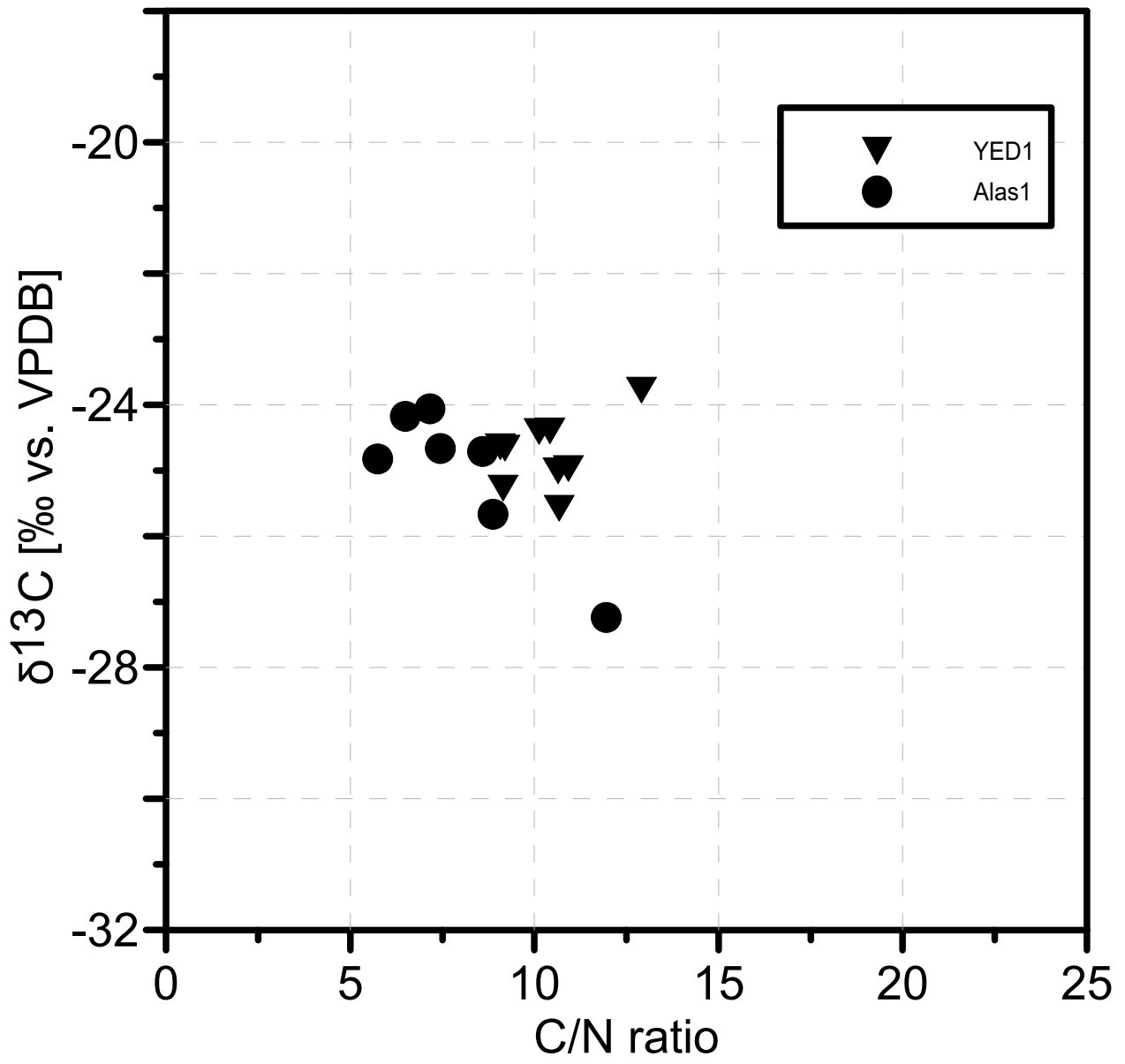


Figure S3 - C/N values of YED1 (triangles) and Alas1 (dots) plotted over $\delta^{13}\text{C}$ values.

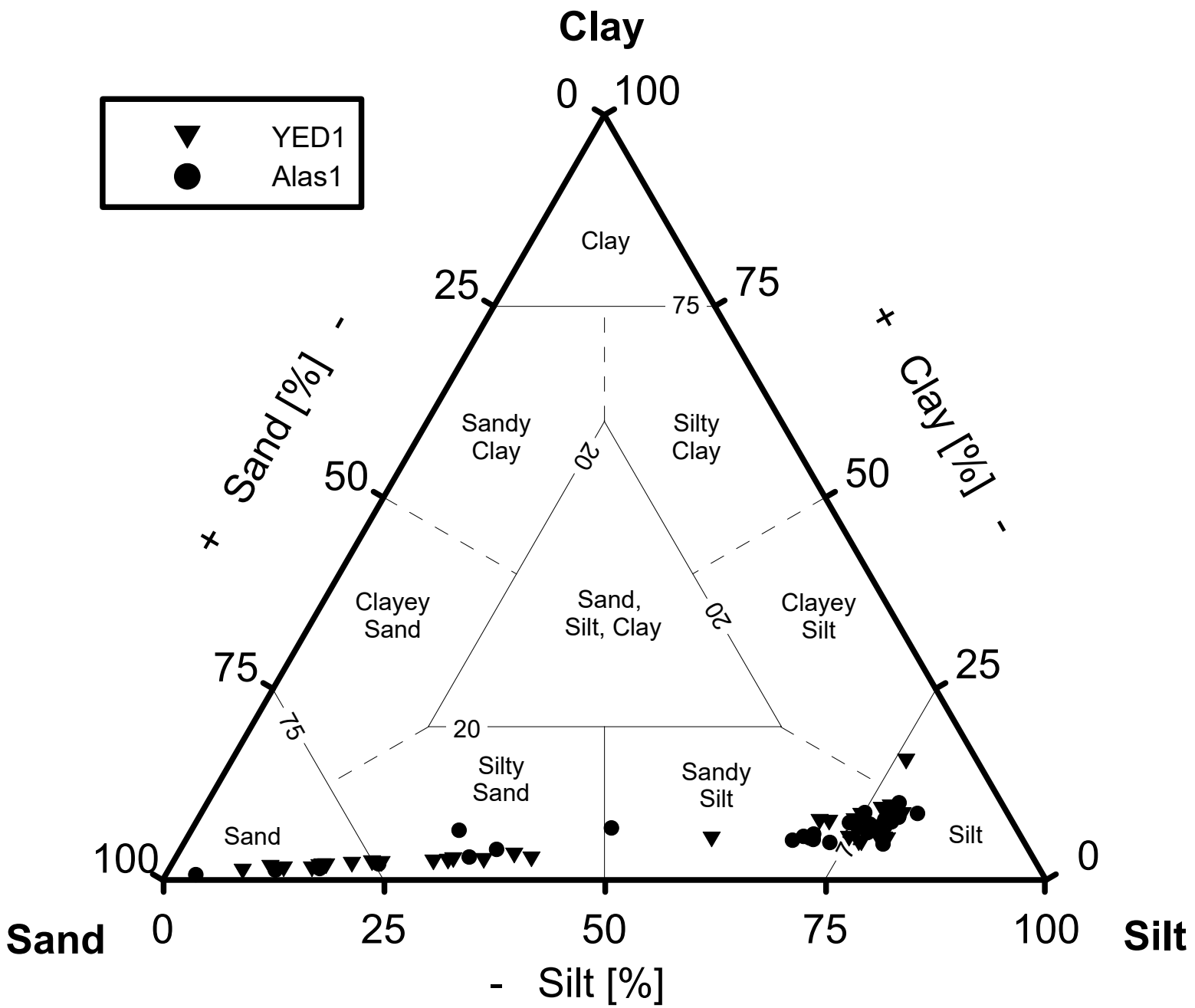


Figure S4 - Sediment triangle after Shepard showing the grain size composition.

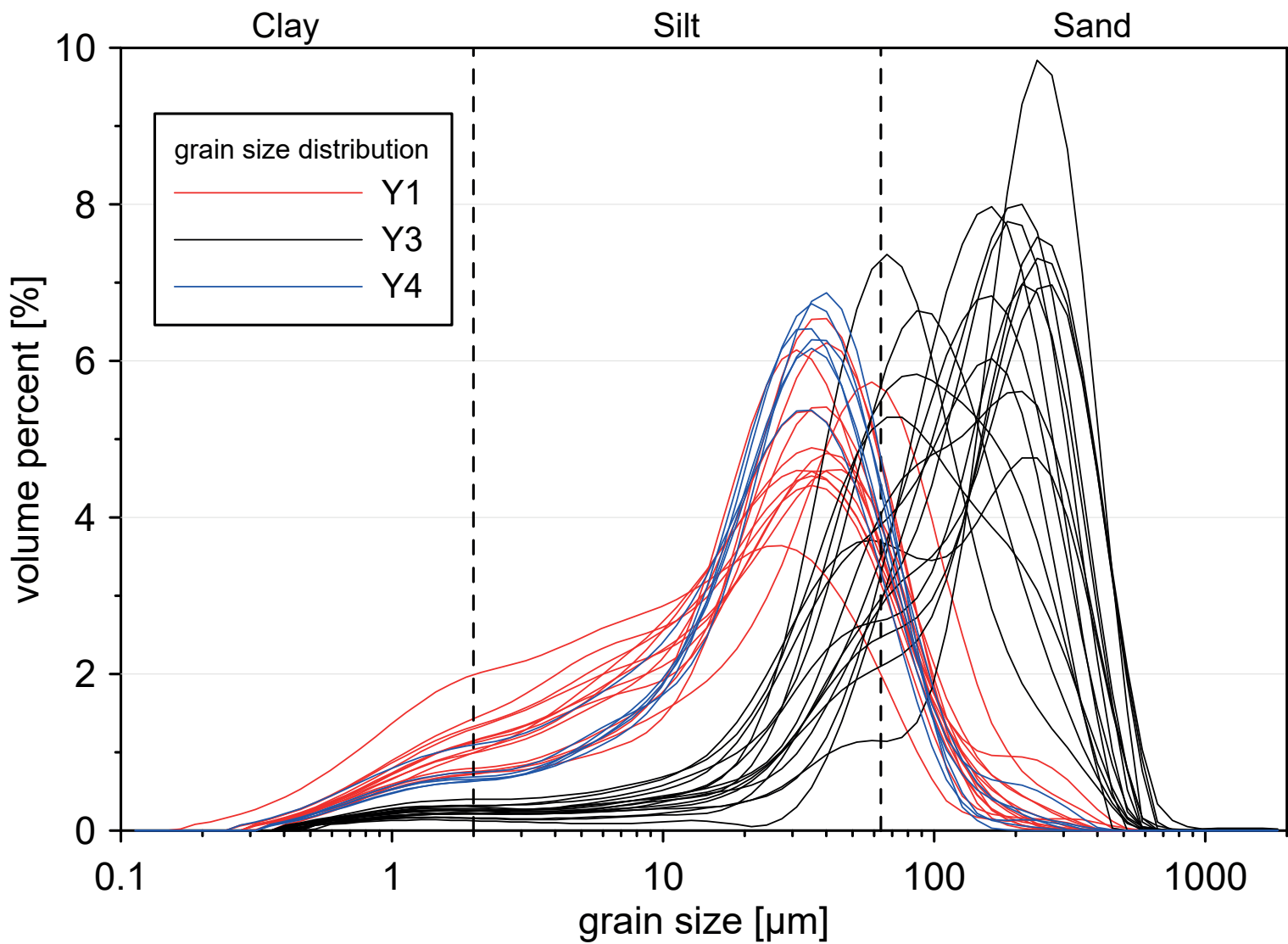


Figure S5 - Grain size distribution for the YED1 core; Y1 to Y4 indicate the different stratigraphical units; core unit Y2 did not hold enough sediment.

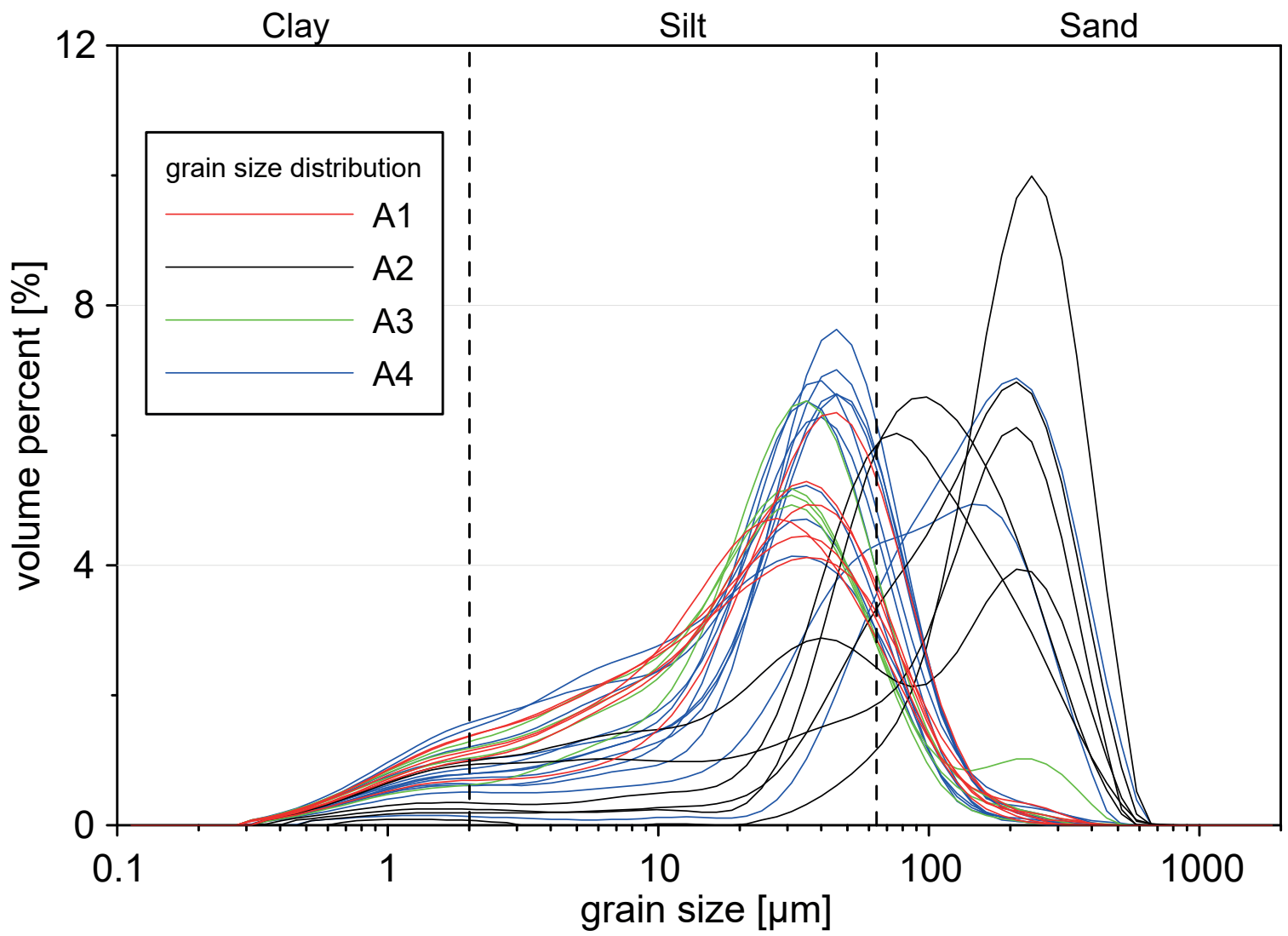


Figure S6 - Grain size distribution for the Alas1 core; A1 to A4 mark the different stratigraphic units.