



*Supplement of*

## **Methane emissions due to reservoir flushing: a significant emission pathway?**

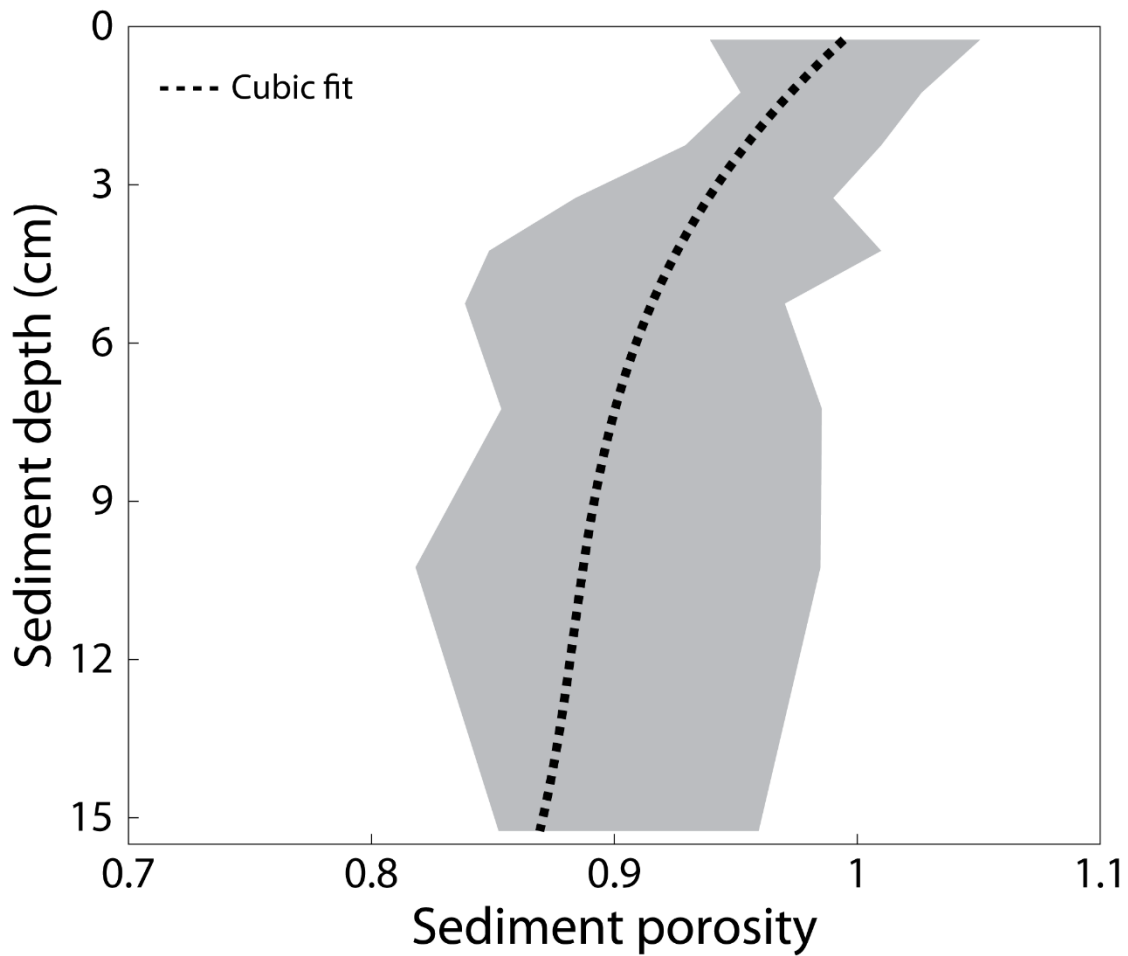
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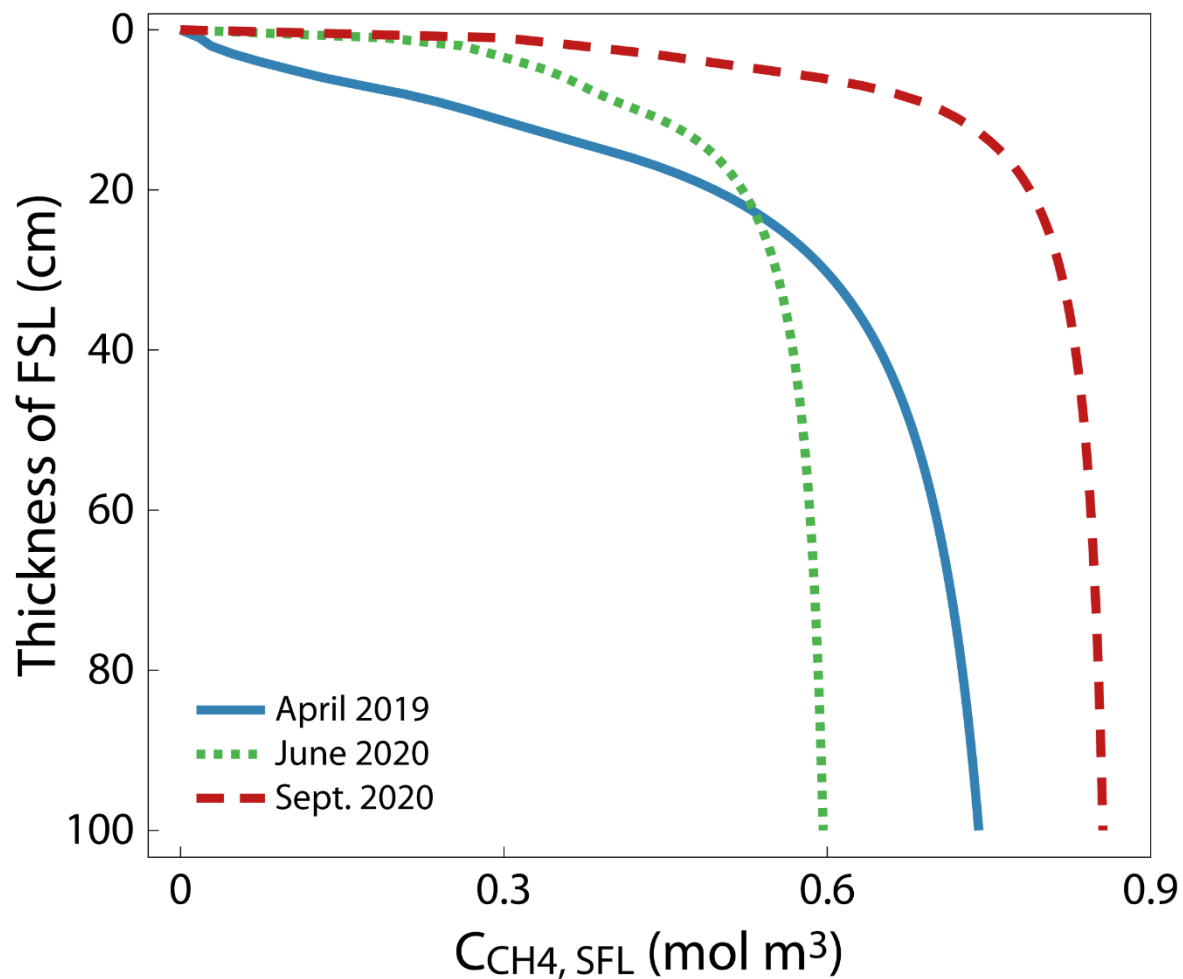
# 1 Supplementary Figures

## 2 Supplementary Figure S1



Supplementary Figure S1. Cubic fit of sediment porosity versus sediment depth (dotted line) of all porosity data from sediment profiles across all sampling campaigns. Shaded areas display the 25<sup>th</sup> and 75<sup>th</sup> percentile.

12 Supplementary Figure S2



13  
14 Supplementary Figure S2. The average CH<sub>4</sub> concentration in the flushed sediment layer  
15 for a sediment depth down to 100 cm.