

Title: Tracing organic matter and organic phosphorus dynamics via surface sediments in a deep boreal lake

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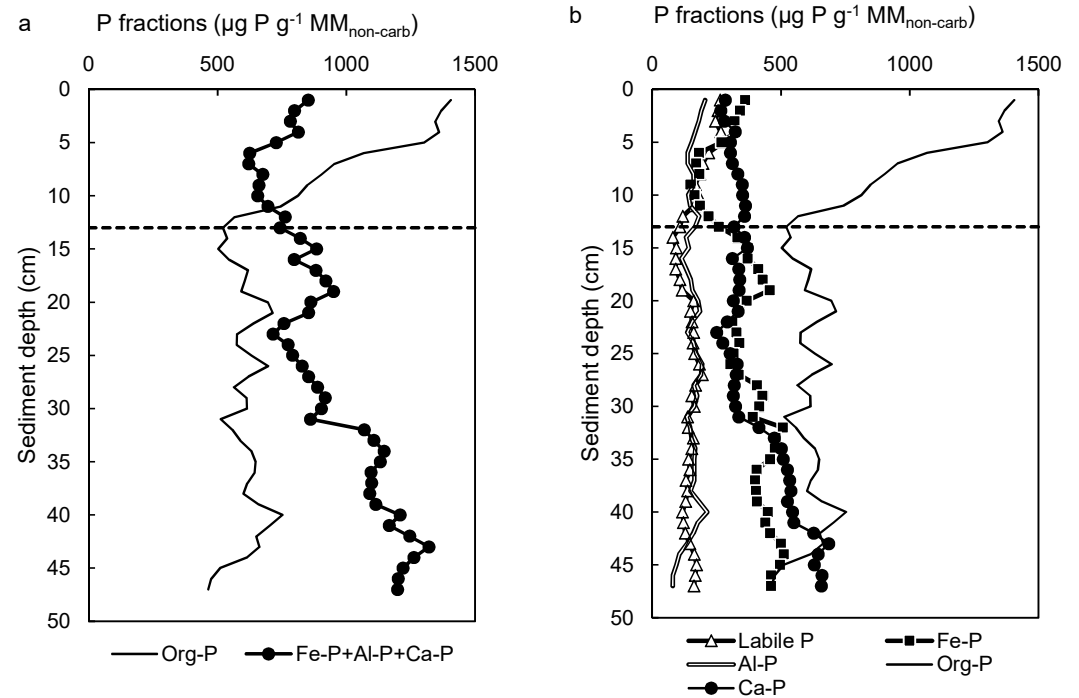


Fig. 1 Distribution of P fractions determined by sequential extraction in Lake Saadjärv sediment, expressed per sediment non-carbonaceous mineral matter (MM_{non-carb}). Fractions include labile P, iron-bound P (Fe-P), aluminum-bound P (Al-P), calcium-bound P (Ca-P) and organic P (Org-P). The dashed line at 13 cm indicates the lower boundary of the upper dynamic sediment layer. Panel (a) compares Org-P with the combined pool of Fe-P, Al-P and Ca-P; panel (b) shows depth profiles of individual fractions.