

Finger Lakes Site Survey

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Abstract

The main goal of the prospective study is to provide a quantitative, high resolution record of the stable oxygen isotope composition of meteoric precipitation ($\delta^{18}\text{Q}_p$) since the last deglaciation. The information will be obtained from the stable oxygen isotope composition of ostracode shells ($\delta^{18}\text{Q}_{os}$) preserved in sediments of three Finger Lakes, located in central New York State.

High resolution $\delta^{18}\text{Q}_p$ records are exactly what are needed for the ISOMAP research program. The Finger Lakes offer a unique opportunity for obtaining such a record on the North American continent.