

Multimedia guide

Katey Walter Anthony et. al. Nature paper

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Photo captions/credits

KWA Fieldwork 2 SPUB

UAF photo courtesy of Katey Walter Anthony

Above: Katey Walter Anthony, associate research professor at UAF, collects data samples from an arctic thermokarst lake. (UAF Photo Courtesy: Katey Walter Anthony)

KWA NSlope tkarstlakes close SPUB

UAF photo courtesy of Katey Walter Anthony

Found in the Arctic and cold mountain regions, thermokarst lakes occur as permafrost thaws and creates surface depressions that fill with melted freshwater, converting what was previously frozen land into lakes. Pictured: A close-up look at a small arctic thermokarst lake.

KWA NSlope tkarstlakes overhead SPUB

UAF photo courtesy of Katey Walter Anthony

Researchers observe that roughly 5,000 years ago, thermokarst lakes in ice-rich regions of North Siberia and Alaska [Yedoma region] began cooling, instead of warming the atmosphere. Pictured: An overhead view of arctic thermokarst lakes.

PDF documents

WalterAnthony13560.pdf

Full text of the Nature paper