

# Hydrogen Anomalies Found on Record Resources' Lorrain-Bucke Property

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Record Resources (TSXV: REC) reports that hydrogen anomalies were discovered on its Lorrain-Bucke property at Lake Temiskaming, Ontario.

The hydrogen anomalies were identified during a recent work program completed by Marc Richer-Lafleche from Quebec City's Institut National de Recherche Scientifique (INRS), Quebec Innovative Material Corp (QIMC) and Record Resources. What follows are statements quoted or paraphrased from Mr. Richer-Lafleche's report:

"During winter work in 2025, a joint scientific team (QIMC, Record Resources, INRS and Timiskaming First Nation) carried out a geochemical survey to measure dissolved hydrogen concentrations in the water of Lake Témiscamingue."

"Real anomalies were detected in the lake's deep waters, and more specifically in the transition zone linked to the winter stratification of the lake's waters."

"The survey was carried out along three sections of Lake Témiscamingue (lines 1, 2 and 3), and more specifically in an orientation perpendicular to the main faults of the Lake Témiscamingue graben. These are particularly evident on the Ontario side of the lake." (See figures 1 and 2 below).

"The survey was based on holes drilled in the ice with an ice auger. The holes, spaced at approximately 100m intervals, were located by GPS and the bathymetry measured using sonar."

"For hydrogen prospecting in a lake watershed, the results show that the prospecting technique is effective for targeting anomalies and also for detecting the processes of hydrogen emplacement and concentration."

"On the Ontario side, Quaternary and recent erosion processes have excavated a large part of this cover, exposing bedrock and certain faults on the Ontario coastline. It is likely that hydrogen outgassing is active on the Ontario side, and more specifically in the trenches of the Lake Témiscamingue graben."

"This could explain, among other things, the presence of hydrogen at the thermal interface delineating the different water masses of the lake's winter stratification. Higher-resolution studies in summer will be needed to clarify the mechanisms responsible for the presence of dissolved hydrogen in the deep waters of the Ontario sector of Lake Témiscamingue."

Michael Judson CEO, said, "Hydrogen exploration has begun with a very modest program on Lorrain-Bucke and already it has yielded a positive response."

"The results confirm that the prospecting methodology developed by QIMC and INRS is effective in identifying hydrogen emplacement in water. The QIMC and INRS team are making great strides in developing hydrogen exploration methods and this is another example of their success. This is an auspicious beginning to the partnership," said Judson.

Figure 1: Location of traverse lines along which the presence and amount of dissolved hydrogen present in the lake water at different depths was measured.

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Figure 2: A sample at of data collected on Line 2, station 1.

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For more information please contact:

Michael C. Judson, Chairman & CEO

[Record Resources Inc.](#)

T. +1-514-865-5496

Website: [www.recordgoldcorp.com](http://www.recordgoldcorp.com)

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