

# Primary Hydrogen Identifies Two High-Priority REE Anomaly Clusters from Geophysical and Soil Sampling Survey at Wicheeda North Project

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CALGARY, November 7, 2025 - [Primary Hydrogen Corp.](#) (TSXV:HDRO)(FRA:83W0)(OTCQB:HNATF) ("Primary" or the "Company") is pleased to announce the identification of two significant rare earth element (REE) anomaly clusters following completion of comprehensive geophysical and soil sampling surveys at its Wicheeda North REE Project ("Wicheeda North" or the "Project") in British Columbia.

## Key Highlights

- Completed 401 line-kilometre airborne VTEM and magnetic survey covering 25 square kilometres
- Collected 533 new soil samples, bringing total property-wide samples to 1,234
- Identified two high-priority REE anomaly clusters in Grid A-South and Grid D-South areas
- Applied for drilling and trenching permits to advance exploration program
- Project located 5 km from [Defense Metals Corp.](#)'s Wicheeda deposit (29.3 Mt @ 2.27% TREO)

## Survey Results and Anomaly Identification

Geotech Ltd. successfully completed an airborne VTEM&TRADE; Plus and magnetic survey, covering 401 line-kilometres over 25 square kilometres. The new data is being integrated with historical datasets to create a seamless property-wide survey. Advanced inversion techniques, including MVI3D and Structural Complexity analysis, will provide comprehensive insights into subsurface geology and potential REE mineralization.

The Company's 2025 soil sampling program, conducted by Tripoint Geoservices, collected 533 samples, bringing the total property-wide sample count to 1,234 (see Figure 1). Sample results were normalized with previous surveys to account for analytical method variations, enabling comprehensive data comparison.

Two distinct anomaly clusters representing the top 5% of REE values were identified (see Figure 2):

- Grid A-South : Located in the northeastern region of the claim blocks
- Grid D-South : Located in the eastern region of the claim blocks

Both anomalous areas are situated near the Wichika River. While certain anomalous samples may originate from river sediment transport, samples collected at higher elevations above the flood plain likely indicate proximal bedrock sources, warranting further investigation.

## Geological Interpretation and Next Steps

Target 4, identified in the 2023 Power One NI 43-101 technical report (see Figure 3), may account for the Grid A-South anomalous samples and will be a focus of future exploration. The Grid D-South anomaly

represents a newly recognised zone of interest without any prior identified targets and is currently under active investigation.

Background REE levels across the Wicheada North property are lower than those observed at the adjacent Wicheada deposit, potentially indicating greater overburden depth.

The Company has applied for drilling and trenching permits with the British Columbia Ministry of Energy, Mines and Low Carbon Innovation. Approval is anticipated in Q1 2026.

Planned exploration activities include:

- Additional soil sampling to delineate and expand anomalous areas
- Overburden depth survey to assess trenching feasibility
- Multi-phase drill program targeting anomaly sources if trenching proves unfeasible
- Expanded sampling at Zone B, identified as a prospective untested area

"The programs were conducted in accordance with the recommendations specified in our recently updated NI 43-101 technical report," stated Benjamin Asuncion, CEO of Primary Hydrogen. "The successful completion of these surveys and identification of high-priority anomalies will facilitate targeted trenching and drilling programs, advancing our goal to delineate REE mineralization at Wicheada North. The proximity to Defense Metals' advanced Wicheada deposit and our position within the same geological belt reinforces the exploration potential of our property."

#### About the Wicheada North REE Project

The Wicheada North Project comprises nine contiguous mineral claims totaling 2,138 hectares (21.1 km<sup>2</sup>) in the northern Cariboo Mining Division, British Columbia. The property is located within the Rocky Mountain Trench, a structural corridor known to host carbonatite intrusions associated with REE mineralization.

The Project is situated approximately 5 km northwest of Defense Metals Corp.'s Wicheada Rare Earth Element Deposit, which hosts a NI 43-101 compliant Measured and Indicated Resource of 29.3 million tonnes grading 2.27% Total Rare Earth Oxide (TREO), and an Inferred Resource of 5.7 million tonnes grading 1.40% TREO [1].

Historical exploration at Wicheada North identified seven geophysical and geochemical targets, including sub-circular to elliptical magnetic anomalies and elevated REE concentrations in soil and rock samples. The exploration strategy of the property relies on the latest interpretation of the carbonatite-related REE mineralisation and geochemical signatures of the Defense Metals Wicheada REE deposit.

Figure 1: Wicheada North Soil Samples

Figure 2: Grid D- South and Grid A South Anomalous Areas

Figure 3: Second Vertical Derivative of the Residual Magnetics (linear trend removed) from Chuchinka 2011 Interpretation. Labels indicate location of discrete responses (numbers) and zones (letters)

#### Qualified Person

The scientific and technical content of this news release has been reviewed and approved by Peter Lauder, P.Geo., Vice President of Exploration for Primary Hydrogen and a Qualified Person under National Instrument 43-101.

## About Primary Hydrogen Corp.

Primary Hydrogen is dedicated to the exploration and development of natural hydrogen resources. With over 740 acres in the U.S. and 230 square kilometers across Canada, the Company's portfolio includes the Blakelock, Hopkins, Mary's Harbour, Point Rosie, Crooked Amphibolite, Coquihalla, and Cogburn projects. Primary also holds the Arthur Lake copper project in British Columbia and has an option to acquire a 75% interest in a hydrogen-REE project known as Wicheada North, also located in British Columbia.

## FOR FURTHER INFORMATION PLEASE CONTACT:

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## CAUTIONARY NOTE REGARDING FORWARD-LOOKING INFORMATION

This news release contains "forward-looking information" within the meaning of applicable Canadian securities laws. Forward-looking information relates to future events or performance and includes statements regarding: the Company's planned exploration activities at the Wicheada North Project; expected receipt of exploration permits; the interpretation of geophysical and geochemical results; the geological prospectivity of the Project; and the potential for future trenching or drilling.

Forward-looking information is based on assumptions, including, but not limited to: the availability of capital and skilled personnel; receipt of required regulatory approvals; access to property and equipment; and the reliability of historical data and current exploration results.

Such statements are subject to known and unknown risks, uncertainties, and other factors that may cause actual results to differ materially from those anticipated. These include, but are not limited to: delays or denial of permits; environmental and weather-related risks; changes in commodity prices or market conditions; and the possibility that exploration may not yield expected results.

Readers are cautioned not to place undue reliance on forward-looking information. The Company does not undertake to update any forward-looking statements, except as required under applicable securities laws.

Neither the TSX Venture Exchange nor its Regulation Services Provider (as defined in the policies of the TSX Venture Exchange) accepts responsibility for the adequacy or accuracy of this release.

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[1] Wicheada Rare Earths Project PFS. (2025, April 4). NI 43-101 Technical Report. Effective date: February 28, 2025.

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