

Primary Hydrogen Acquires Three Hydrogen Projects in British Columbia

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Vancouver, December 3, 2024 - [Primary Hydrogen Corp.](#) (TSXV: HDRO) ("PrimaryH2" or the "Company"), a natural hydrogen exploration company, is pleased to announce the acquisition of three hydrogen projects in British Columbia. The projects were acquired by the Company through direct staking based complex tectonic activity, significant faulting, and the presence of ultramafic rocks which are critical to the process of serpentinization. Serpentinization is the primary mechanism for the potential generation of naturally-occurring hydrogen ("NOH").

"The addition of three projects in British Columbia further bolsters our portfolio and positions the Company as one of the preeminent hydrogen-focused explorers in Canada," commented Benjamin Asuncion, CEO of Primary Hydrogen Corp. "The combination of deep-seated faults coupled with the presence of ultramafic rock formations enhances the likelihood of hydrogen production and accumulation within these projects."

Figure 1: Property Location Map

To view an enhanced version of this graphic, please visit:

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Crooked Amphibolite H₂ Project

The Crooked Amphibolite project is comprised of 100 mineral claims covering an area of 2,004.52 hectares (20.0 km²) located in the Kamloops Mining Division of British Columbia. The Crooked Amphibolite project is part of a high-grade metamorphic complex, consisting of amphibolites derived from mafic volcanic rocks. These rocks have been heavily metamorphosed, and in association with ultramafic intrusions, there is potential for serpentinization processes to occur. The region is characterized by significant deformation, with deep-seated faults running through the area, which act as conduits for the migration of hydrogen from deeper-seated sources. The prospectivity for NOH is highlighted by the presence of amphibolites and ultramafic rocks, along with significant faulting, which provides a number of environments for serpentinization to occur.

Coquihalla H₂ Project

The Coquihalla project is comprised of 34 mineral claims covering an area of 709.65 hectares (20.0 km²) located in the New Westminster Mining Division of British Columbia. The Coquihalla project is composed predominantly of serpentinized ultramafic rocks, which are a key indicator of NOH potential, as the serpentinization process (when ultramafic rocks react with water) is a well-established source of hydrogen. The underlying geology is structurally complex, with major thrust faults and strike-slip faults crisscrossing the region, which act as both migration pathways and potential accumulation mechanisms for hydrogen.

Cogburn H₂ Project

The Cogburn project is comprised of 30 mineral claims covering an area of 631.80 hectares (20.0 km²) located in the New Westminster Mining Division of British Columbia. The Cogburn project, located in southwestern British Columbia, consists of a mixture of ultramafic and mafic rocks, including serpentinites. These rocks are part of the Cache Creek Terrane and are known to undergo serpentinization, a key process for hydrogen generation. The project is also intersected by several regional fault systems that could serve as potential migration paths for hydrogen from deep crustal sources. The prospectivity of the project is

highlighted by the large volumes of ultramafic rocks coupled with significant faulting, providing an environment for the generation of natural hydrogen.

R. Tim Henneberry, P. Geo. (BC) and a consultant to Primary Hydrogen Corp. is the Qualified Person under National Instrument 43-101 who has reviewed and approved the technical content of this news release.

About Primary Hydrogen Corp.

Primary Hydrogen Corp. is a natural hydrogen exploration company with an extensive portfolio of properties covering over 210 square kilometres across Canada including the Blakelock and Hopkins projects in Ontario, the Mary's Harbour project in Labrador, the Point Rosie project in Newfoundland, and the Crooked Amphibolite, Coquihalla, and Cogburn projects in BC. The Company also holds the Arthur Lake copper project in British Columbia.

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FOR FURTHER INFORMATION PLEASE CONTACT:

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