



Suite 1610 - 777 Dunsmuir Street, Vancouver, BC, Canada, V7Y 1K4

[www.cypressdevelopmentcorp.com](http://www.cypressdevelopmentcorp.com)

TSX Venture Exchange Symbol: CYP

Email: [info@cypressdevelopmentcorp.com](mailto:info@cypressdevelopmentcorp.com)

Telephone: (604) 687-3376

Facsimile: (604) 687-3119

## NEWS RELEASE

January 28, 2021

### **Cypress Development Announces Further Advancement in Chloride Leaching for Clayton Valley Lithium Project in Nevada**

**Vancouver, BC - Cypress Development Corp. (TSX-V: [CYP](#)) (OTCQB: [CYDVF](#)) (Frankfurt: [C1Z1](#))** ("Cypress" or "the Company") reports additional valuable advances in the Company's scoping-level study of chloride-based leaching to recover lithium from the claystone at its Clayton Valley Lithium Project. As described in the December [3<sup>rd</sup>](#) and [16<sup>th</sup>](#) 2020 news releases, the Company initiated an investigation into chloride-based leaching and the potential economic and environmental benefits over sulfide-based leaching. Progress to date indicates a positive alternative to a sulfate-based approach and merits consideration for the Company's upcoming pilot plant program.

Test work completed on 200- to 400-g samples of claystone used hydrochloric acid (HCl) and sodium chloride (NaCl) brine as the leach solution. Test results from this work determined the optimum parameters for leaching temperature, acid strength, and retention time. The data were used to conduct a test on a 33 kg sample of claystone which yielded greater than 81% extraction of the lithium into solution. The Company identifies this as a starting point for the pilot plant program to expand upon these results and demonstrate that they are sustainably operational on a larger scale.

Samples of the leach slurry were tested by Pocock Industrial, Inc. to address solid-liquid separation through standard and high-density thickeners, and vacuum and pressure filtration. The results indicate potential benefits that include faster filtration and settling rates with the utilization of standard thickeners and filtration equipment. The differences in settling and filtration rates also mean processing may be accomplished with significantly less make-up water. With the chloride-based approach, the leach solution is amenable to standard processes to recover the lithium and potentially other products.

"The Company is pleased with the results from our scoping study" said Cypress CEO Bill Willoughby. "Chloride-based leaching represents an alternative to sulfuric acid and could be impactful in the areas of economy, process and the environment. There are still important trade-offs to consider with respect to power and acid supply, as well as some remaining analyses, but this is an alternative that will most likely become the

focus of the pilot plant program. This work is critical to our goal of advancing the Clayton Valley Lithium Project towards a feasibility study later this year.”

**Qualified Person:**

Todd Fayram, MMSA-QP, is the qualified person as defined by National Instrument 43-101 and has approved the technical information in this release.

**About Cypress Development Corp.:**

Cypress Development Corp. is a publicly traded exploration company focused on developing the Company's 100%-owned Clayton Valley Lithium Project in Nevada. Exploration and development by Cypress discovered a world-class resource of lithium-bearing claystone adjacent to the Albemarle Silver Peak mine, North America's only lithium brine operation. The size of the resource makes the Clayton Valley Project a premier source that has the potential to impact the supply of lithium for the fast-growing global energy storage battery market.

**Clayton Valley Lithium Project, Nevada Claims Map:**  
[cyp\\_cypress - albemarle\\_properties\\_map.jpg \(1060x706\)](#)  
([cypressdevelopmentcorp.com](#))

To find out more about Cypress Development Corp. (TSX-V: **CYP**), visit our website at [www.cypressdevelopmentcorp.com](#).

**CYPRESS DEVELOPMENT CORP.**

*“Dr. Bill Willoughby”*

---

**WILLIAM WILLOUGHBY, PhD., PE**  
Chief Executive Officer

For further information contact myself or:  
Don Myers  
Cypress Development Corp.  
Director, Corporate Communications  
Telephone: 604-639-3851  
Toll Free: 800-567-8181  
Facsimile: 604-687-3119  
Email: [info@cypressdevelopmentcorp.com](mailto:info@cypressdevelopmentcorp.com)

NEITHER THE TSX VENTURE EXCHANGE NOR ITS REGULATION SERVICES PROVIDER ACCEPTS RESPONSIBILITY FOR THE ADEQUACY OR ACCURACY OF THE CONTENT OF THIS NEWS RELEASE.

This release includes certain statements that may be deemed to be "forward-looking statements". All statements in this release, other than statements of historical facts, that address events or developments that management of the Company expects, are forward-looking statements. Although management believes the expectations expressed in such forward-looking statements are based on reasonable assumptions, such statements are not guarantees of future performance, and actual results or developments may differ materially from those in the forward-looking statements. The Company undertakes no obligation to update these forward-looking statements if management's beliefs, estimates or opinions, or other factors, should change. Factors that could cause actual results to differ materially from those

in forward-looking statements, include market prices, exploration and development successes, continued availability of capital and financing, and general economic, market or business conditions. Please see the public filings of the Company at [www.sedar.com](http://www.sedar.com) for further information.