



## PRESS RELEASE

### CRITICAL ELEMENTS DISCOVERS EXTENSION OF JR ZONE AT 500 METERS WEST WITH HIGH GRADE TANTALITE AND LITHIUM CONTENT

**FEBRUARY 12, 2013** – MONTREAL, QUEBEC – **CRITICAL ELEMENTS CORPORATION** (TSX.V: CRE) (US OTCQX: CRECF) (FSE: F12) is pleased to announce the discovery of a new zone that seems to be the extension of JR showing. The new outcrop has been found 500 meters west of the original JR zone. This extension is substantial and the channel samples taken from the new discovery had report high grade results with the following results in table below.

Year	Channel Name	Location		Azimuth	Length	Li20	Ta2O5
		Easting	Northing		(m)	(%)	ppm (g/t)
2012	JR ext1	421287	5764652	270	5.00	0.9447	226
2012	JR ext2	421274	5764650	270	10.00	1.0763	215

All samples were sent for analysis in sealed containers to the ALS Chemex laboratory in Val-d'Or by employees of the Company. ALS Chemex is the laboratory used for analysis of all samples from programs on the Rose property. The samples are weighed and identified prior to sample preparation. The samples are crushed to 70% minus 2 mm, then separated and pulverized to 85% passing 75 µm. All samples are analyzed using ICP-MS, with full analysis for 47 elements.

A map showing the location of the new discovery on the Rose project can be found in the Projects section of the Company's website, at [www.cecorp.ca](http://www.cecorp.ca).

Also, in the past few months, the Critical Elements team pursued his discussions with a number of potential lithium carbonate and tantalite end-users. The Company is currently negotiating the terms of long-term sales and risk distribution between potential buyers.

Jean-Sebastien Lavallée (OGQ #773), geologist, shareholder and President and Chief Executive Officer of the Company and a Qualified Person under NI 43-101, has reviewed and approved the technical content of this release.

#### **ABOUT CRITICAL ELEMENTS CORPORATION**

Critical Elements is actively developing its 100%-owned Rose lithium-tantalum flagship project located in Quebec.

**A recent financial analysis of the Rose Project based on price forecasts of US\$260/kg (\$118/lb) for Ta<sub>2</sub>O<sub>5</sub> contained in a tantalite concentrate and US\$6,000/t for lithium carbonate (Li<sub>2</sub>CO<sub>3</sub>) show an after-tax Internal Rate of Return (IRR) of an estimated 25% for the Rose Project, with an estimated Net Present Value (NPV) of CA\$279 million at an 8% discount rate. The payback period is estimated at 4.1 years. The pre-tax IRR is estimated at 33% and the NPV at \$488 million at a discount rate of 8%.**

(Mineral resources that are not mineral reserves do not have demonstrated economic viability). See press release dated November 21, 2011).

The project hosts a current NI 43-101-compliant **Indicated resource of 26.5 million tonnes of 1.30% Li<sub>2</sub>O Eq. or 0.98% Li<sub>2</sub>O and 163 ppm Ta<sub>2</sub>O<sub>5</sub> and an Inferred resource of 10.7 million tonnes of 1.14% Li<sub>2</sub>O Eq. or 0.86% Li<sub>2</sub>O and 145 ppm Ta<sub>2</sub>O<sub>5</sub>.**

The Company is presently at the feasibility study stage on the Rose project. Genivar is carrying out an environmental study and a feasibility study for the surface installations, Ambuck Associates is leading the feasibility study and doing mine design for the study, AMEC is leading the tailings facility study, Bumigeme is handling the concentration and carbonatization plant study, and Acme Metallurgical Ltd. of Vancouver is responsible for the metallurgical component of the project.

Critical Elements' portfolio also includes rare-earth and tantalum-niobium projects in the Rocky Mountains of British Columbia and in Quebec, as well as a 50% interest in the Croinor project, which is located in Quebec and hosts a current NI 43-101-compliant measured and indicated resource of 506,700 tonnes at 10.66 g/t Au, for 173,700 ounces of gold at a 5 g/t cut-off.

## **INFORMATION:**

### **Investor Relations:**

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