CriticalElements
Lithium Corporation

Rose Lithium-Tantalum Project

A substantially permitted, high-purity lithium project with district-scale expansion potential



October 2026

TSX-V: CRE · OTCQX: CRECF · FSE: F12

Disclaimers

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Investment Highlights

An advanced-stage lithium project with district-scale expansion potential supported by financial flexibility and experienced leadership

01 Advanced-Stage Rose Lithium-Tantalum Project ("Rose")

- NI 43-101 Feasibility Study completed in 2023.
- Key government approvals, mining lease, and the Pikhuutaau agreement are in place.

02 Expansion Potential at the Rose West Project ("Rose West")

- Drilling has outlined mineralized pegmatites across roughly 1.25 km x 0.8 km, less than 10 km west from Rose (mineralization remains open).

03 Financial Flexibility

- The Corporation holds ~C$23.6 million in Cash & Cash Equivalents and Investments as of May 31, 2026, supporting the Corporation's work program to advance Rose and Rose West.

04 Proven Leadership in the Sector

- Steffen Haber as President & Director (former CEO of Rockwood Lithium) and Marcus Brune as VP of Finance & Director (former CFO of Rockwood Lithium) bring global operating and capital markets experience in the sector.

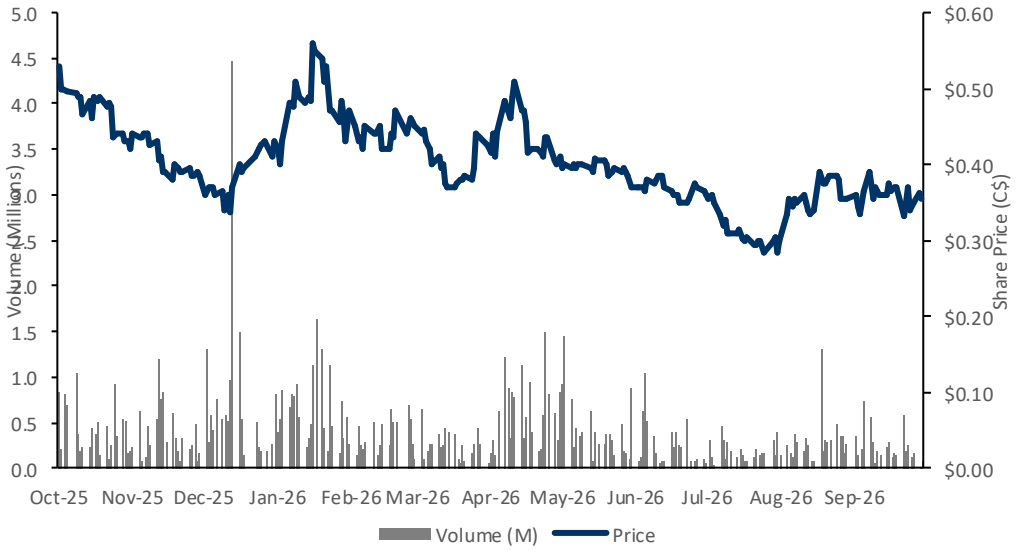
05 District-Scale Nemaska Belt Position

- The 100%-owned properties cover 540 km² and extends more than 100 km along the Nisk structure, which hosts **Power Metallic Mines' Nisk Main deposit and newly discovered Lion Zone**.

Sources: Financial Statements as of May 31, 2026.

Capital Structure

Basic shares	232.0M
Options	1.65M (C$0.39 - C$2.29)
Warrants	1.80M (C$0.40)
FD Shares	234.7M
Share Price	C$0.345
Basic Market Cap	C$80.0M
Management / Directors	4.25% ownership



TRADING SYMBOLS

TSX-V: CRE **OTCQX: CRECF**

Frankfurt: F12

RESEARCH COVERAGE

Sources: S&P Capital IQ and LSEG Workspace. Market data as of October 7, 2026.

CORPORATE SNAPSHOT

Strong Balance Sheet Provides Financial Flexibility

A clean balance sheet with meaningful Cash & Cash Equivalents and Investments supports financial flexibility as Critical Elements (“CRE”) advances Rose and Rose West

232.0M

Basic Shares Outstanding

~C$80M

Basic Market Capitalization as of Oct. 7, 2026

C$8.3M

Cash & Cash Equivalents

C$15.3M

Investment and Marketable Securities

C$23.6M

Cash & Cash Equivalents + Investment and Marketable Securities

Includes

9.67M Shares of Power Metallic Mines

Additional Optionality

20% of Nisk Main Deposit and Lion Zone Discovery

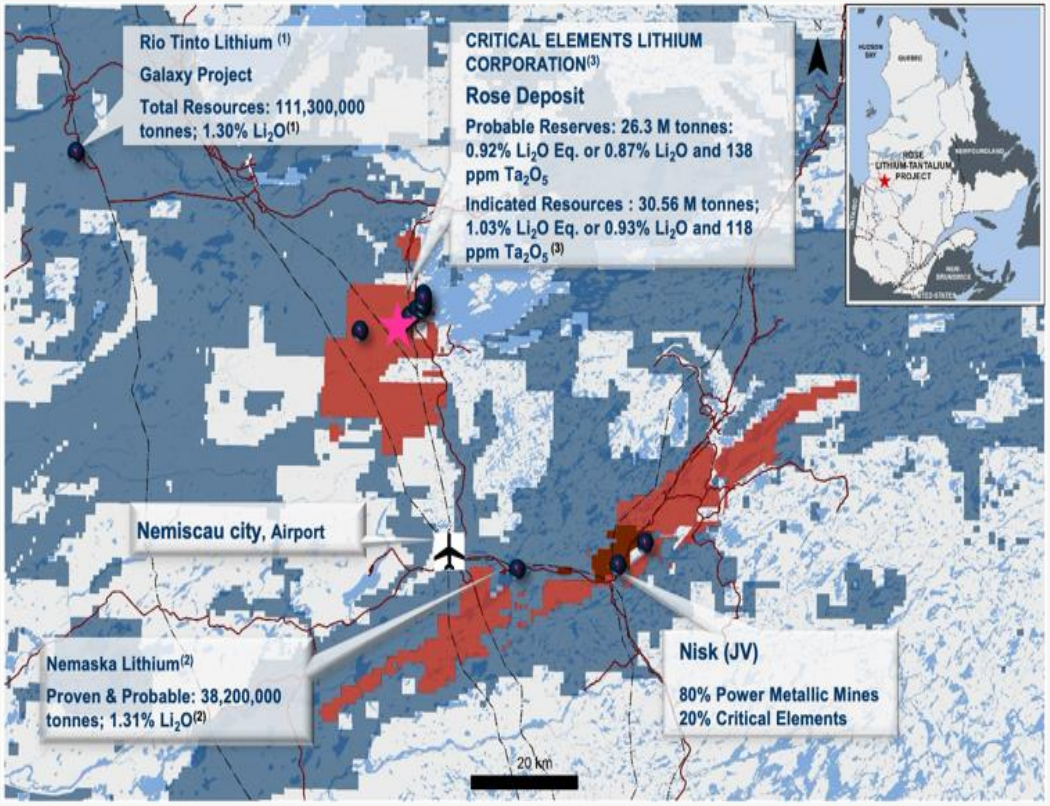
Carried interest through Feasibility Study under the option agreement

Sources: Financial Statements as of May 31, 2026

ASSET BASE

A District-Scale Land Package with Significant Exploration Upside

Located in a premier mining jurisdiction in Québec, Canada, with excellent access to infrastructure, including roads, an airport and on-site power lines connected to Quebec's low-cost, low-carbon grid with 93% sourced through hydroelectricity



ROSE

26 Mt in Probable reserves
33 Mt in Indicated and Inferred resources

Mineral resources inclusive of mineral reserves

ROSE WEST

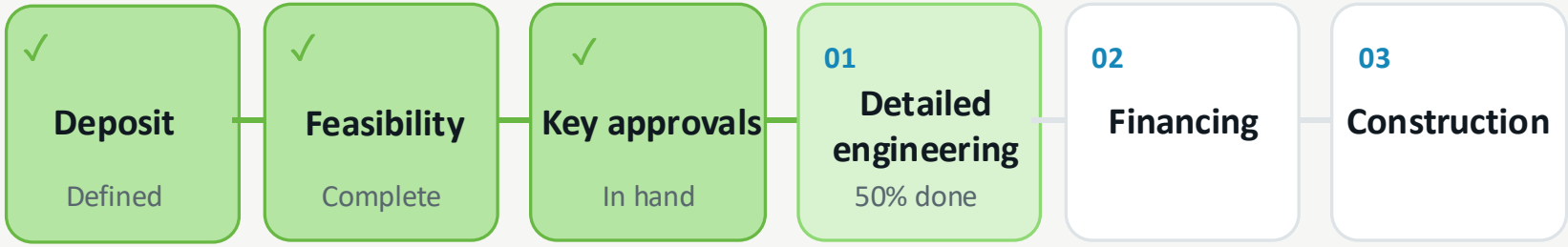
Located <10 km west of Rose

Near surface mineralization that remains open laterally

Sources:
(1) As per Arcadium Lithium's Annual Report on Form 10-K as of December 31, 2023; inclusive of reserves.
(2) Whabouchi Mine Pre-Feasibility Study dated November 14, 2023 (amended).
(3) Rose Lithium-Tantalum Project Feasibility Study dated October 11, 2023

Rose Development Milestones

CRE has advanced Rose through early development milestones, including resource definition, NI 43-101 Feasibility Study, and key government approvals



Key Approvals Received

- Federal Environmental Decision
- Québec Certificate of Authorization
- 20-year Mining Lease
- Pikhuutaau Impact and Benefits Agreement

Why this matters

Many lithium equities are valued on geological promise. Rose has converted geological potential into an engineered mine plan with key approvals in hand.

NI 43-101 Feasibility Study Summary

CRE completed an NI 43-101 Feasibility Study for Rose in 2023, outlining a commercial-scale spodumene concentrate production with robust economics

US$2.2B	65.7%	17 years	US$471M	US$461M
After-tax NPV_8	After-tax IRR	Life of Mine (LOM)	Initial Capex	LOM Avg. Annual EBITDA

What the study establishes

Rose Lithium-Tantalum has a defined mine plan, processing route, production schedule and capital estimate. 50% of the planned detailed engineering completed.

Source: Critical Elements Lithium Corporation: Rose Lithium-Tantalum Project Feasibility Study dated October 11, 2023.

(1) Commodity prices (FOB Port Trois-Rivieres): Technical grade spodumene 6.0% of US$4,699/t Conc.; chemical grade spodumene 5.5% of US$2,162/t conc.; tantalum concentrate 20.0% of US$150/kg contained;
(2) Operating cost includes mining, processing, general & administrative, and transportation costs.
(3) Feasibility study assumes exchange rate of US$0.77/C$1.00.

Rose Lithium-Tantalum would produce spodumene concentrates and tantalum

The base mine plan does not require CRE to build a lithium-hydroxide conversion plant.

ROSE ANNUAL PRODUCTION

1.6 Mt/y

Plant Throughput

PROCESS

157.7 kt/y — **Chemical-grade spodumene**

Feedstock for lithium conversion

46.1 kt/y — **Technical-grade spodumene**

Glass and ceramics market

580 t/y — **Tantalum concentrate**

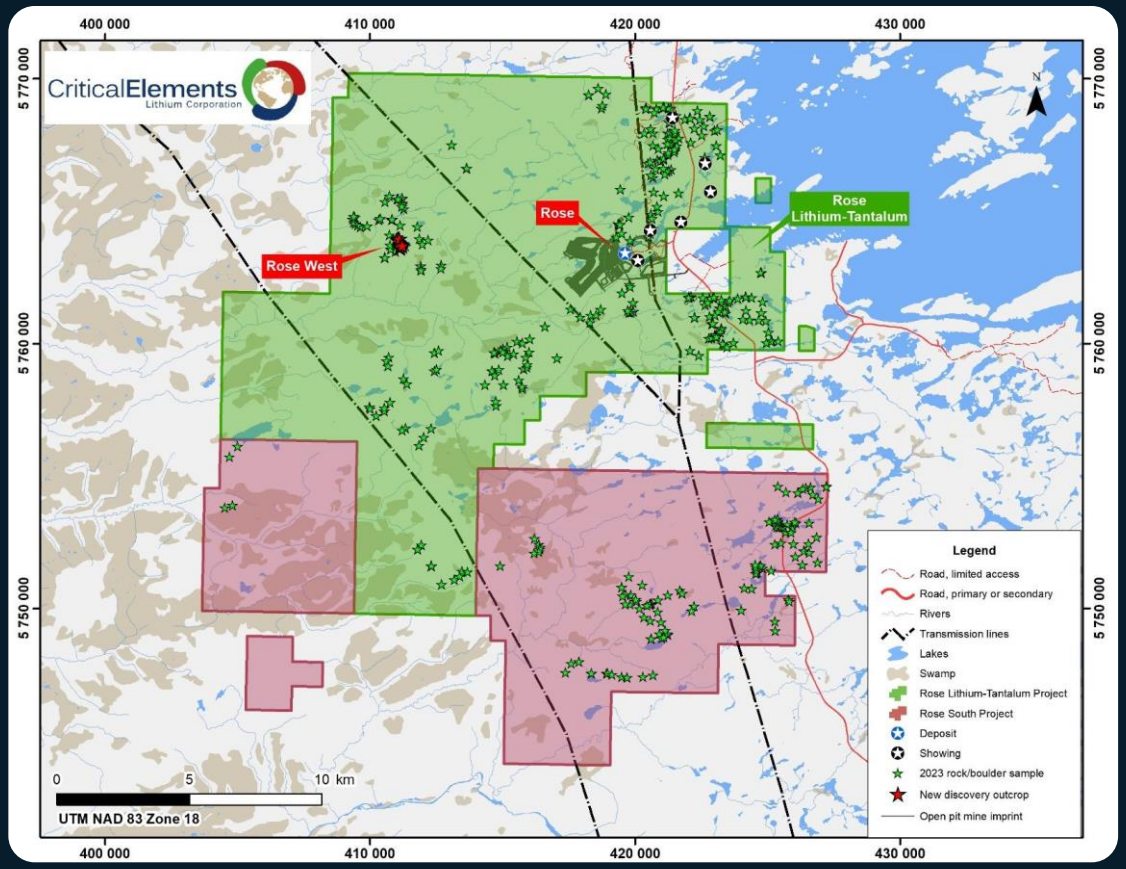
By-product revenue stream for electronic industries

Source: Critical Elements Lithium Corporation: Rose Lithium-Tantalum Project Feasibility Study dated October 11, 2023.

ROSE WEST

Mineralized Footprint Expansion to 1.25 x 0.8 km

CRE's drilling program has expanded the mineralized footprint of Rose West that sits less than 10 km west from the planned infrastructure at Rose. The discovery remains open laterally.



100% OWNED

1.25 km
east–west footprint

0.8 km
north–south footprint

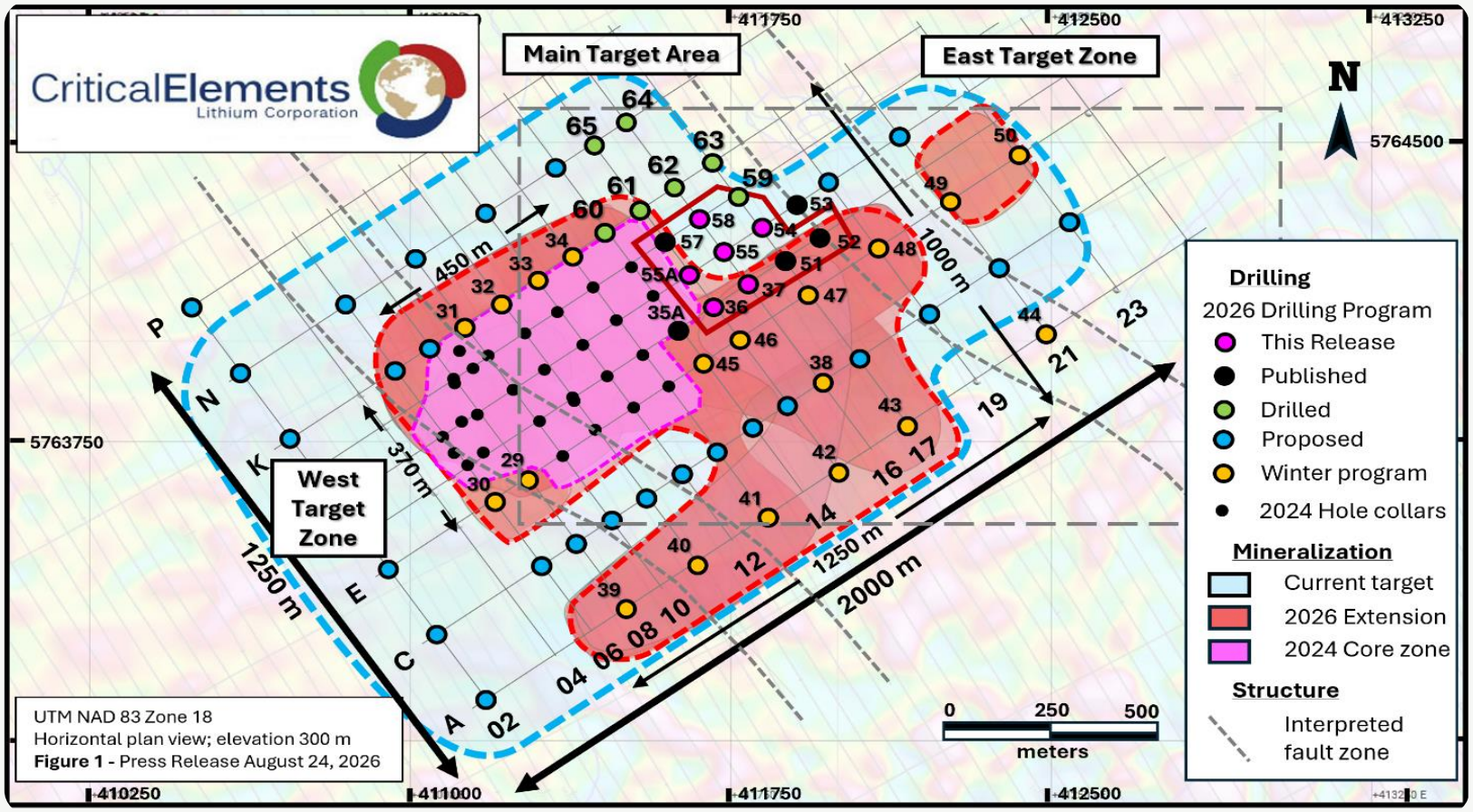
<10 km west
from Rose

Still open | No mineral resource yet

Source: Critical Elements Lithium Corporation press release, August 24, 2026

Drill Program Defining Mineralized Footprint of Rose West

The August 2026 plan highlights the expanded mineralized footprint

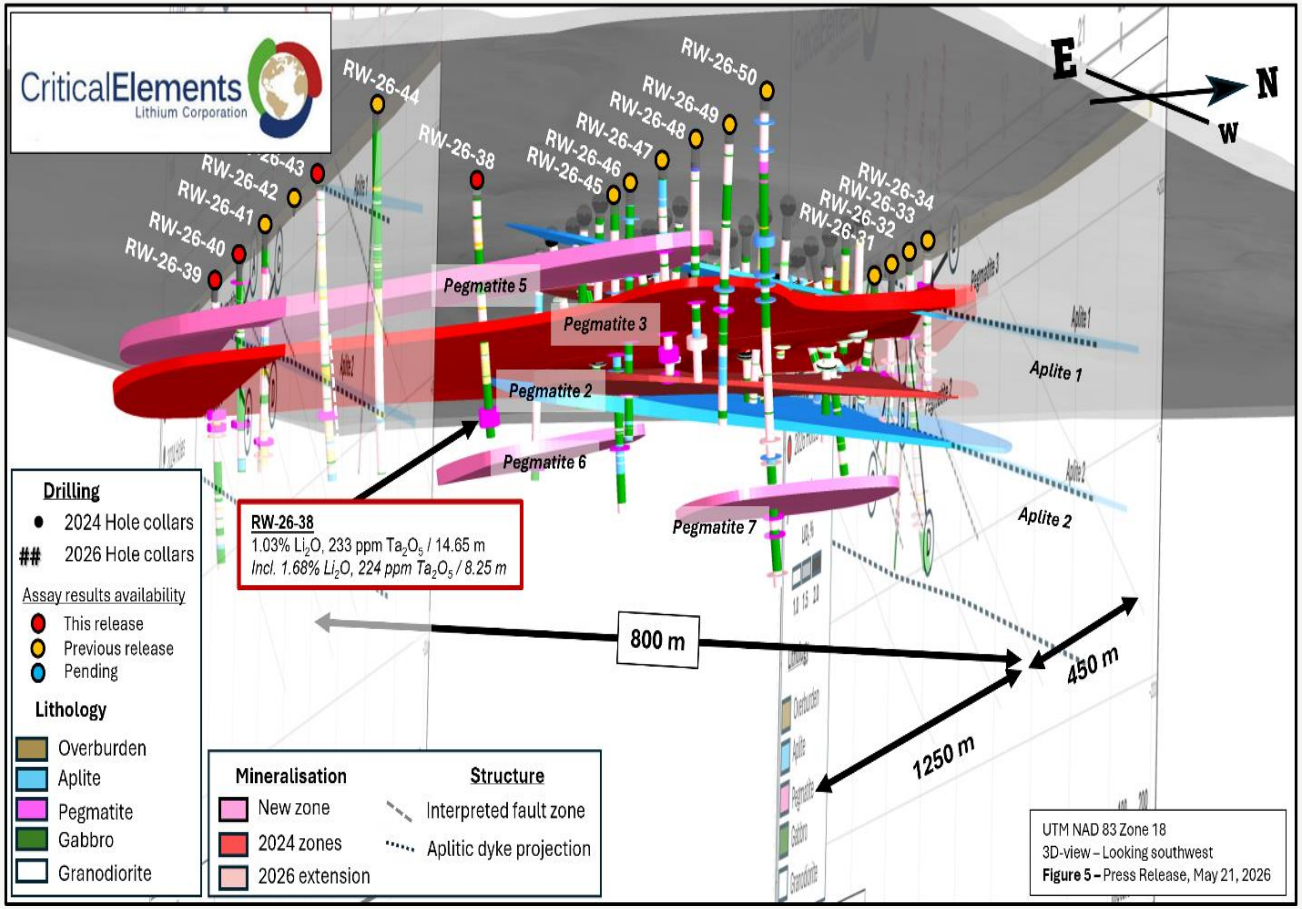


Plan view: expanded 2026 drilling footprint

Source: Critical Elements Lithium Corporation press release, August 24, 2026

Mineralization System at Rose West

The sub-horizontal pegmatite mineralization sheets can be tested systematically with relatively short drill holes.



Multiple sheets

More than one mineralized body can contribute to the same system.

Generally flat lying

Shorter holes can test large lateral areas efficiently.

Predictive model

Recent drilling has repeatedly intersected the targeted bodies.

Source: Critical Elements Lithium Corporation press release, May 21, 2026

DRILLING RESULTS

Significant Mineralization Grade and Interval

Selected intersections illustrate grade and width across multiple pegmatite bodies.

27.35 m

at

1.89% Li_2O

RW-26-35A · Pegmatite 3

23.35 m

at

1.46% Li_2O

RW-26-36 · Pegmatite 3

40.40 m

at

1.31% Li_2O

RD-24-20 · Pegmatite 3

10–40 m **typical pegmatite thickness highlighted across the system**

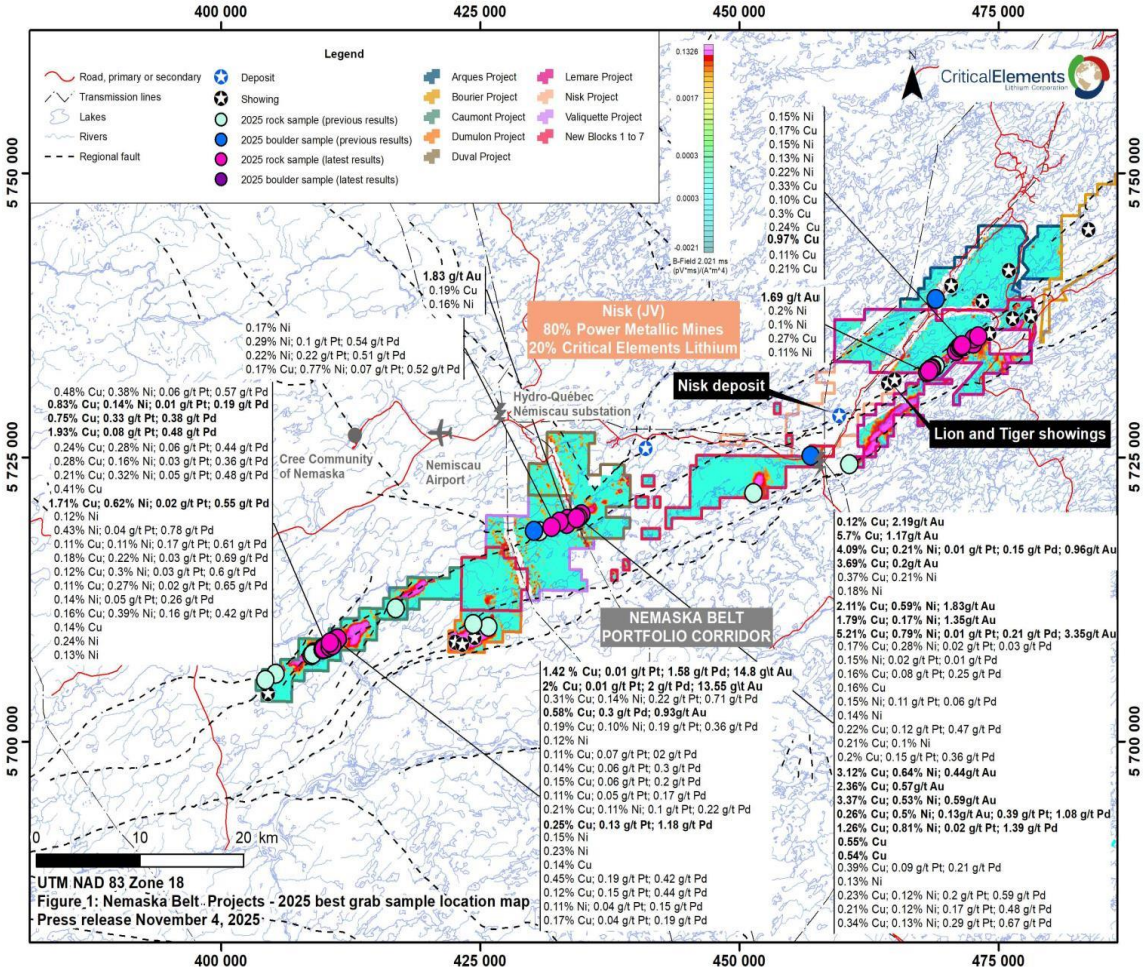
Reported lengths are core lengths. Estimated true thickness is generally 80–95% of core length.

Source: Critical Elements Lithium Corporation press release, August 24, 2026 and April 15, 2024

Nemaska Belt and Nisk Interests

CRE controls more than 547 km² in the Nemaska region.

The land portfolio adds polymetallic exploration exposure and a carried interest in the Power Metallic project.



20%

Nisk property interest

Non-dilutive until Power Metallic delivers a definitive feasibility study under the option agreement.

9.67M

Power Metallic shares

Held at May 31, 2026. The market value changes with the share price and the position may change.

Source: Critical Elements Lithium Corporation financial statements at May 31, 2026 and press release November 4, 2025

LEADERSHIP

Experienced Leadership Team

The team brings operating, financing, construction, environmental and exploration experience.

QUEBEC EXECUTION

Jean-Sébastien Lavallée, CEO

25+ years in exploration; CRE CEO since 2009. Having been responsible for the planning and execution of many exploration programs in recent years, Mr. Lavallée has acquired solid experience in exploration project development.

Yves Perron, VP Engineering, Construction & Operations

25+ years in major industrial and mining projects. He was appointed Vice-President, Engineering and Construction by Stornoway Diamond in June 2012 and Vice-President, Engineering and Construction for Mason Graphite in August 2018. He also held several management positions in areas of production, operation start-ups, maintenance, engineering and project management with ArcelorMittal and Xstrata.

Sébastien Perreault, Senior Director, Site Operations

25+ years in open-pit operations and project management. Mr. Perreault contributed to the successful start-up of several mining projects along with the establishment of operational teams at several mining companies, including Barrick, High River Gold, Sherritt, SEMAFO Inc. and IAMGOLD Corporation. .

GLOBAL LITHIUM

Steffen Haber, President and former President & CEO of Rockwood Lithium

Led the integrated lithium business through Albemarle's acquisition of Rockwood Holdings, completed in January 2015 in a transaction valued at approximately US$6.2B.

Marcus Brune, Director & VP Finance · former Rockwood Lithium CFO through the acquisition of Albemarle.

Potential Catalysts

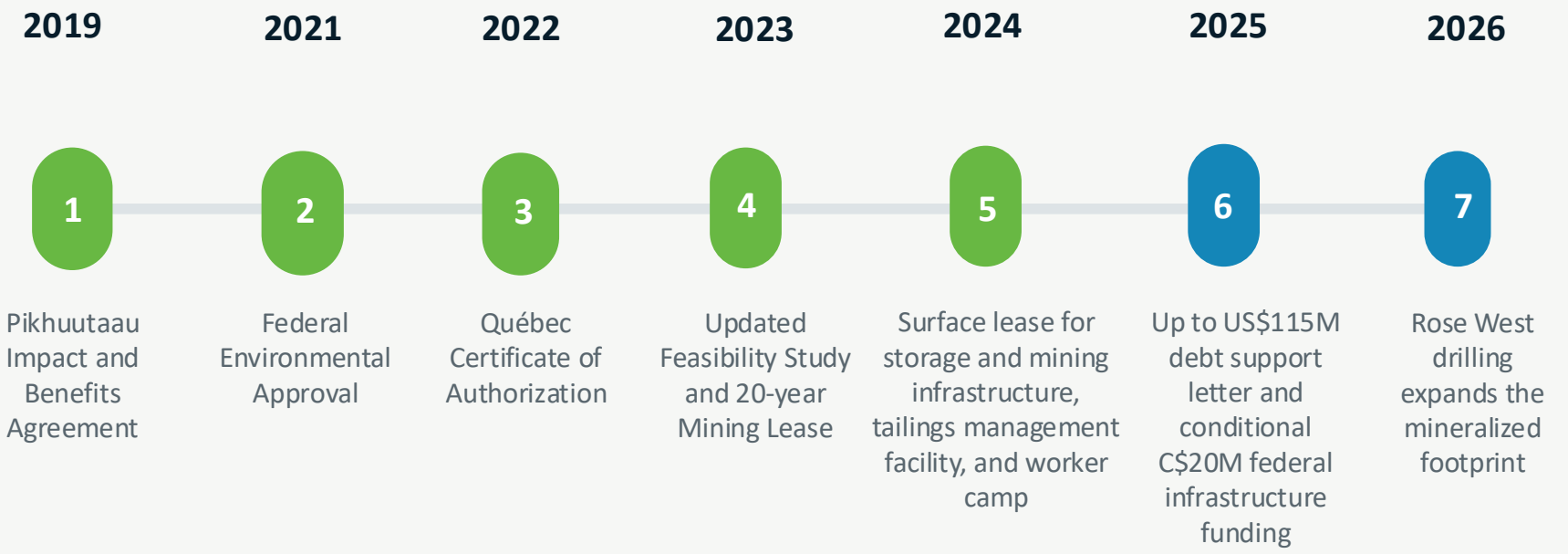
1	**Rose West Drilling Assays**	More holes that confirm continuity, grade and geometry.
2	**Rose West NI 43-101 Maiden Mineral Resource Estimate**	A clearer path from drill footprint to a compliant resource.
3	**Rose Project Financing**	Defined sources, conditions, ownership and dilution.
4	**Commercial Agreements**	Offtake or strategic participation with credible counterparties.
5	**Engineering Progress**	Detailed design, early works and long-lead procurement milestones.

This page contains "forward-looking information" and readers are referred to the "Disclosure" statement in this Presentation. Risks include, but are not limited to, receipt of necessary permits, successful results from earlier activities, the availability of the necessary financing, etc.

APPENDIX

Development Milestones

The project has moved from social agreement and environmental review into financing and execution planning.



Selected milestones only; see Corporation press releases and SEDAR+ filings

APPENDIX

Quebec location and infrastructure

Rose is approximately 40 km north of Nemaska and close to roads, an airport and low-carbon hydroelectric infrastructure.

Road access

Established regional transportation network

Hydroelectricity

Low-carbon Québec power grid

Nearby airport

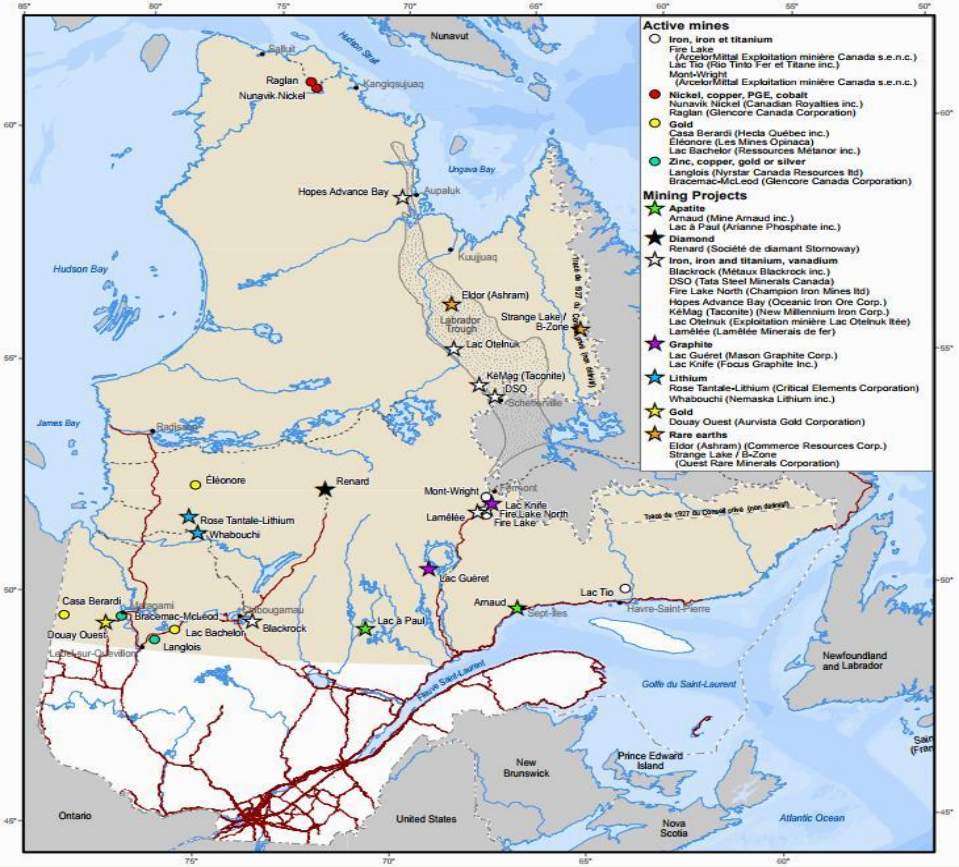
Nemiscau airport supports regional access

Formal agreement

Pikhuutaau agreement with Cree partners

Key approvals

Federal and Quebec environmental decisions



APPENDIX

Rose NI 43-101 Feasibility Study Details

Key operating and economic estimates from the 2023 study.

Metric	2023 feasibility study
Probable reserves	26.3 Mt at 0.87% Li_2O and 138 ppm Ta_2O_5
Plant throughput	1.61 Mt of ore per year
Average concentrate production	203,765 t/y combined technical and chemical grade
Tantalum concentrate	580 t/y average
Mine life	17 years
Initial capital cost	US$471M
After-tax economics	US$2.2B NPV_8 and 65.7% IRR

The study establishes an engineered development case for Rose Lithium-Tantalum.

Source: Critical Elements Lithium Corporation: Rose Lithium-Tantalum Project Feasibility Study dated October 11, 2023

APPENDIX

Milestones

Major permitting and financing milestones, presented in chronological context.

01 **US$115M / C$150M support letter (February 10, 2025)**
A leading Canadian financial institution expressed interest in providing long-term debt financing of up to US$115 million or C$150 million for Rose.

02 **C$20M federal funding (February 6, 2025)**
Conditional approval under the Critical Minerals Infrastructure Fund for powerline relocation and a new electrical substation.

03 **Land use lease (October 16, 2024)**
Industrial occupancy lease granted for the Rose worker camp.

04 **Amended Certificate of Authorization (August 14, 2024)**
The amendment covers the permanent and temporary worker camps and two borrow pits, and enables construction permit applications for early works.

05 **Industrial occupancy and tailings leases (February 20, 2024)**
Québec granted three industrial occupancy leases and the tailings management facility leases required for Rose.

06 **Mining lease (September 18, 2023)**
The 20-year mining lease grants the right to mine mineral substances at the Rose Lithium-Tantalum Project.

07 **Pegmatite discoveries (September 12, 2023)**
Exploration identified new spodumene-bearing pegmatite outcrops and drill targets.

08 **Positive feasibility study (August 29, 2023)**
The study reported an after-tax NPV_8 of US$2.2 billion and an after-tax IRR of 65.7%, based on the study assumptions.

09 **Powerline approval (February 28, 2023)**
Québec authorized Hydro-Québec's connection and powerline relocation project.

10 **Rehabilitation and restoration plan (May 13, 2022)**
Québec approved the rehabilitation and restoration plan for Rose.

11 **Provincial Certificate of Authorization (November 2, 2022)**
Québec issued the Certificate of Authorization for the Rose Lithium-Tantalum Project.

12 **Federal environmental approval (August 11, 2021)**
The federal Minister of Environment and Climate Change issued a favorable decision.

13 **Pikhuutaau Agreement (July 8, 2019)**
Critical Elements signed the impact and benefits agreement with the Cree Nation of Eastmain, the Grand Council of the Crees and the Cree Nation Government.

CORPORATE CONTACTS

North American sourced lithium and tantalum to power a clean energy future

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