PRESS RELEASE

CRITICAL ELEMENTS' 10,000-METER SUMMER DRILL PROGRAM AT ROSE WEST CONTINUES TO DELIVER POSITIVE RESULTS

August 24th, 2026 - MONTRÉAL, QUÉBEC – Critical Elements Lithium Corporation (TSX-V: CRE) (US OTCQX: CRECF) (FSE: F12) ("**Critical Elements**" or the "**Corporation**") is pleased to provide assay results and an update on its Phase 2 Summer 2026 exploration program, including 10,000 meters of systematic drilling around the 100% owned Rose West Discovery ("**Rose West**"), located in Eeyou Istchee, Québec.

The program targets the expansion of the mineralized footprint to a potential of approximately 1,250 x 2,000 m and aims to expand the lateral continuity of at least two more mineralized pegmatite bodies within the system. Thus far, drilling has covered the immediate eastern extension of the Main Target, and the program is now focussed on exploration drilling along the northern boundary of the defined mineralized zones.

Highlights

- The Phase 2 Summer 2026 drill program continues to deliver positive results demonstrating the successful expansion of the Rose West mineralized footprint by adding an additional 300 x 300 m bloc expanding the lateral footprint of Pegmatite 5, 3 and 2, with thicknesses that continue to range from 10 to 30 m.
- Pegmatite 5 is now also delivering substantial and laterally continuous intersections in the northern portion of the Main Target Area, part of a stacked and generally flat lying system. This generally flat orientation allows for rapid expansion with relatively short surface drill holes.
- The geological model continues to prove to be highly effective and predictive.
- All assay results have been received for the 11 holes previously drilled.
- An additional 7 holes were drilled since then and are being prepared for assaying.

Assay results were received for holes **RW-26-36, RW-26-37, RW-26-54, RW-26-55, RW-26-56A** and **RW-26-57**, and returned some significant lithium and tantalum composite assays, as highlighted below:

- **2.05% Li_2O** and **221 ppm Ta_2O_5** over **7.70 m,** through **Pegmatite 5**, in hole RW-26-36
- **1.46% Li_2O** and **176 ppm Ta_2O_5** over **23.35 m** (including **2.12% Li_2O** and **147 ppm Ta_2O_5** over **6.00 m**), through **Pegmatite 3,** in hole RW-26-36 and
- **1.32% Li_2O** and **157 ppm Ta_2O_5** over **13.25 m,** through **Pegmatite 5,** in hole RW-26-37
- **0.94% Li_2O** and **258 ppm Ta_2O_5** over **22.40 m** (including **1.34% Li_2O** and **193 ppm Ta_2O_5** over **13.50 m**), through **Pegmatite 3,** in hole RW-26-37
- **1.08% Li_2O** and **154 ppm Ta_2O_5** over **18.70 m** (including **2.15% Li_2O** and **142 ppm Ta_2O_5** over **6.00 m**), through **Pegmatite 5,** in hole RW-26-57.

* *Core length; the true thickness is between 80 to 95% of the core length.*

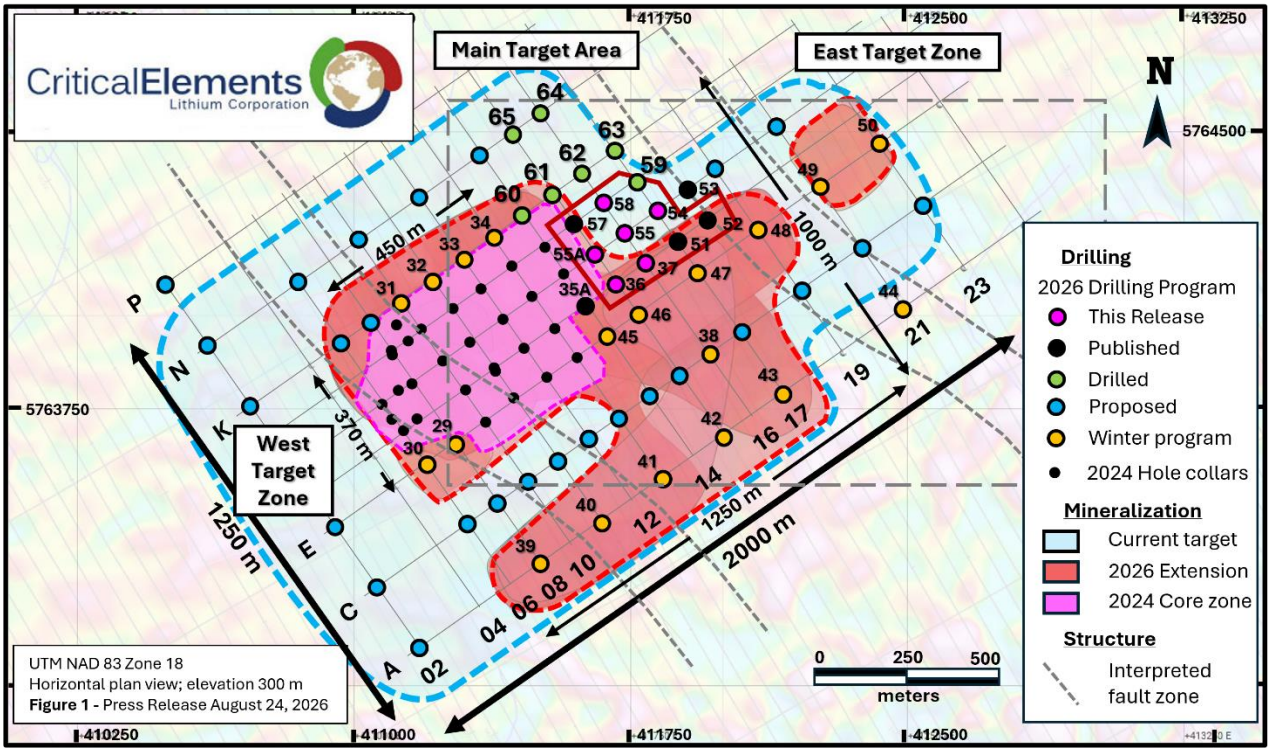
Located approximately 10 km to the west of the Rose Lithium-Tantalum Project ("Rose"), Rose West is a near surface lithium-rich pegmatite bearing zone, initially intercepted by drilling over a 450 m x 370 m footprint area in the winter of 2024, now covering an overall footprint of 1,250 m x 800 m, (see Press Release dated August 12, 2026), a six-fold increase in surface expression. The lithium-rich pegmatites typically range from 10 to 40 m in thickness and together display a sub-horizontal stacked geometry. Recent

drilling has identified three new spodumene-bearing pegmatitic bodies within the target area. The Phase 2 Summer 2026 drill program is designed to further expand this mineralized footprint, and to better define the geometry and extent of the three new mineralized pegmatites intersected during the Winter 2026 Campaign.

The Summer 2026 drill program is designed to reach three specific goals:

1. Expand laterally all around the existing mineralized footprint;
2. Infill drilling along Line C, to confirm grade and thickness continuity of the intersected pegmatites;
3. Follow up on both newly discovered mineralized pegmatites (Pegmatites 6 and 7) below the current extent of mineralization.

Figure 1: Location map of drillholes from the Winter 2024 and Winter 2026 campaigns and proposed Summer 2026 drillholes.



To date, 18 holes were drilled in the NE corner of the Main Target Area for a total of approximately 3,000 meters. **Figure 1** above shows the location of these holes, which are designed to intersect all three principal pegmatites, i.e., Pegmatite 5 (new), 3 (Main), and Pegmatite 2. All assay results have been received for the 11 holes previously drilled. The location of the seven recently drilled holes is also presented.

Table 1 below presents the collar coordinates, the planned length and the orientation of each of the holes drilled to date. Recently drilled holes are highlighted in grey.

Drillhole	Grid Position	UTM NAD 83 ZN18		Length (m)	Azimuth (°)	Dip (°)
		Easting	Northing			
RW-26-35A	G-14	411,629	5,764,025	171	245	-72
RW-26-36	G-15	411,711	5,764,082	207	245	-72
RW-26-37	G-16	411,793	5,764,140	204	245	-72
RW-26-51	G-17	411,874	5,764,197	192	245	-72
RW-26-52	G-18	411,956	5,764,254	189	245	-72
RW-26-53	H-18	411,899	5,764,336	195	245	-72
RW-26-54	H-17	411,817	5,764,278	201	245	-72
RW-26-55	H-16	411,735	5,764,222	201	245	-72
RW-26-56A	H-15	411,653	5,764,164	195	245	-72
RW-26-57	I-15	411,596	5,764,246	90	245	-72
RW-26-58	I-16	411,678	5,764,303	201	245	-72
RW-26-59	I-17	411,760	5,764,361	114	245	-72
RW-26-60	K-14	411,457	5,764,271	105	245	-72
RW-26-61	K-15	411,539	5,764,328	174	245	-72
RW-26-62	K-16	411,621	5,764,385	117	245	-72
RW-26-63	K-17	411,702	5,764,443	147	245	-72
RW-26-64	N-16	411,506	5,764,549	261	245	-72
RW-26-65	N-15	411,424	5,764,492	135	245	-72

Table 1 – 2026 Summer drillhole locations and summary descriptions.

The following **Table 2** presents the composite assay results received to date. New and updated results presented in the current press release are highlighted in grey.

Drillhole	From (m)	To (m)	Length (m)	Li_2O (%)	Ta_2O_5 (ppm)	Zone
RW-26-35A	**86.95**	**90.50**	**3.55**	**0.61**	**291**	**5**
including	*89.00*	*90.50*	*1.50*	*1.27*	*231*	*5*
	104.55	**131.90**	**27.35**	**1.89**	**161**	**3**
including	*105.00*	*115.50*	*10.50*	*2.70*	*222*	*3*
including	*120.00*	*129.00*	*9.00*	*1.84*	*115*	*3*
	152.40	**161.50**	**9.10**	**0.67**	**265**	**2**
including	*154.10*	*155.55*	*1.45*	*2.89*	*120*	*2*
RW-26-36	**87.45**	**95.15**	**7.70**	**2.05**	**221**	**5**
	123.80	**147.15**	**23.35**	**1.46**	**176**	**3**
including	*124.50*	*130.50*	*6.00*	*2.12*	*147*	*3*
RW-26-37	**99.90**	**113.15**	**13.25**	**1.32**	**157**	**5**
	139.30	**161.70**	**22.40**	**0.94**	**258**	**3**
including	*144.00*	*157.50*	*13.50*	*1.34*	*193*	*3*
	189.35	**195.30**	**5.95**	**1.06**	**87**	**2**
RW-26-51	**97.30**	**103.75**	**6.45**	**1.23**	**227**	**5**
including	*98.50*	*102.50*	*4.00*	*1.64*	*179*	*5*
	132.00	**148.85**	**16.85**	**1.58**	**118**	**3**
including	*136.50*	*145.20*	*8.70*	*1.89*	*130*	*3*
RW-26-52	**112.40**	**121.20**	**8.80**	**0.24**	**248**	**5**
	129.10	**148.50**	**19.40**	**1.00**	**88**	**3**
including	*129.10*	*135.80*	*6.70*	*1.11*	*176*	*3*
including	*139.50*	*143.50*	*4.00*	*1.43*	*83*	*3*

RW-26-53	115.00	126.00	11.00	***N.S***	***N.S***	3
RW-26-54	**108.60**	**128.10**	**19.50**	**0.48**	**220**	**3**
including	*114.00*	*118.50*	*4.50*	*1.12*	*156*	*3*
RW-26-55	**140.10**	**148.20**	**8.10**	**0.59**	**211**	**3**
including	*144.00*	*147.00*	*3.00*	*1.25*	*111*	*3*
RW-26-56A	**95.80**	**110.60**	**14.80**	**0.53**	**119**	**3**
including	*102.00*	*110.60*	*8.60*	*0.86*	*149*	*3*
	122.10	**137.60**	**15.50**	**0.63**	**221**	**3 (?)**
including	*124.70*	*129.00*	*4.30*	*1.65*	*254*	*3 (?)*
RW-26-57	**45.00**	**63.70**	**18.70**	**1.08**	**154**	**5 (?)**
Including	48.00	54.00	6.00	2.15	142	5
RW-26-58	**57.05**	**71.10**	**14.05**	***1.33***	***145***	**5**
including	*60.00*	*69.00*	*9.00*	*1.81*	*122*	*5*

** Core length; the true thickness is between 80 to 95% of the core length.*
*** - N.S. : No Spodumene.*

Table 2 – Assay results from the Summer 2026 drill campaign.

The following **Table 3** presents the intervals of spodumene-rich pegmatites intersected along the other holes drilled during this current campaign.

Drillhole	From (m)	To (m)	Length (m)	Li_2O (%)	Ta_2O_5 (ppm)
RW-26-59	84.15	99.20	15.05	P.R.	P.R.
RW-26-60	45.80	61.90	16.10	P.R.	P.R.
RW-26-61	59.65	64.80	5.15	P.R.	P.R.
RW-26-62	72.45	81.60	9.15	P.R.	P.R.
RW-26-63	88.30	92.55	4.25	P.R.	P.R.
RW-26-64	69.60	72.80	3.20	P.R.	P.R.
RW-26-65	59.30	63.20	3.90	P.R.	P.R.

* P.R.: Pending Results.

Table 3 – Spodumene-rich pegmatite intervals from the Summer 2026 drill campaign.

As previously discussed, the stacked nature of the mineralized system allows for the intersection of multiple pegmatite bodies within a given drillhole (**Table 2**). While keeping the same "grid-based" systematic approach, not all drillholes are anticipated to intersect each pegmatite. **Figures 2 to 4** present plan views of the individual pegmatite zones as defined in the Winter 2026 program, as well as the nature of each intersection through the given zone.

Figure 2 is a horizontal plan view on which the projection of Pegmatite 5 is presented. All holes that were drilled on Line G successfully intersected Pegmatite 5. **Holes RW-26-58 and RW-26-57** appear to have intersected an offset equivalent of Pegmatite 5; Hole **RW-26-57** has returned **1.08% Li_2O** and **154 ppm Ta_2O_5** over **18.70 m** (including **2.15% Li_2O** and **145 ppm Ta_2O_5** over **6.00 m**).

Figure 3 presents the Pegmatite 3 plan view projection. Most of the holes intersected the Main pegmatite, confirming its continuity across Lines G and H. However, a major fault has also been intersected in holes **RW-26-53** and **RW-26-55**, likely explaining the absence of Pegmatite 3 on Line I in holes **RW-26-57** and **RW-26-58.** As expected, Holes **RW-26-36** and **RW-26-37** returned Li_2O above 1.00% over thicknesses from **23.35 m** and **22.40 m** respectively, consistent with similar thicknesses encountered throughout the Pegmatite 3 body.

Figure 4 presents the Pegmatite 2 longitudinal view. Pegmatite 2 is confirmed to be present towards the central core of the mineralized area and, as predicted by our 3D model, it appears to get cut-off or merge into Pegmatite 3 towards the north. As a result, Pegmatite 2 was only intersected in holes **RW-26-35A** and **RW-26-37**. Hole **RW-26-37** returned **1.06% Li_2O** and **87 ppm Ta_2O_5** over **5.95 m.**

Figure 2: Pegmatite 5 projection Plan Map – Zone outline and targeted extensions.

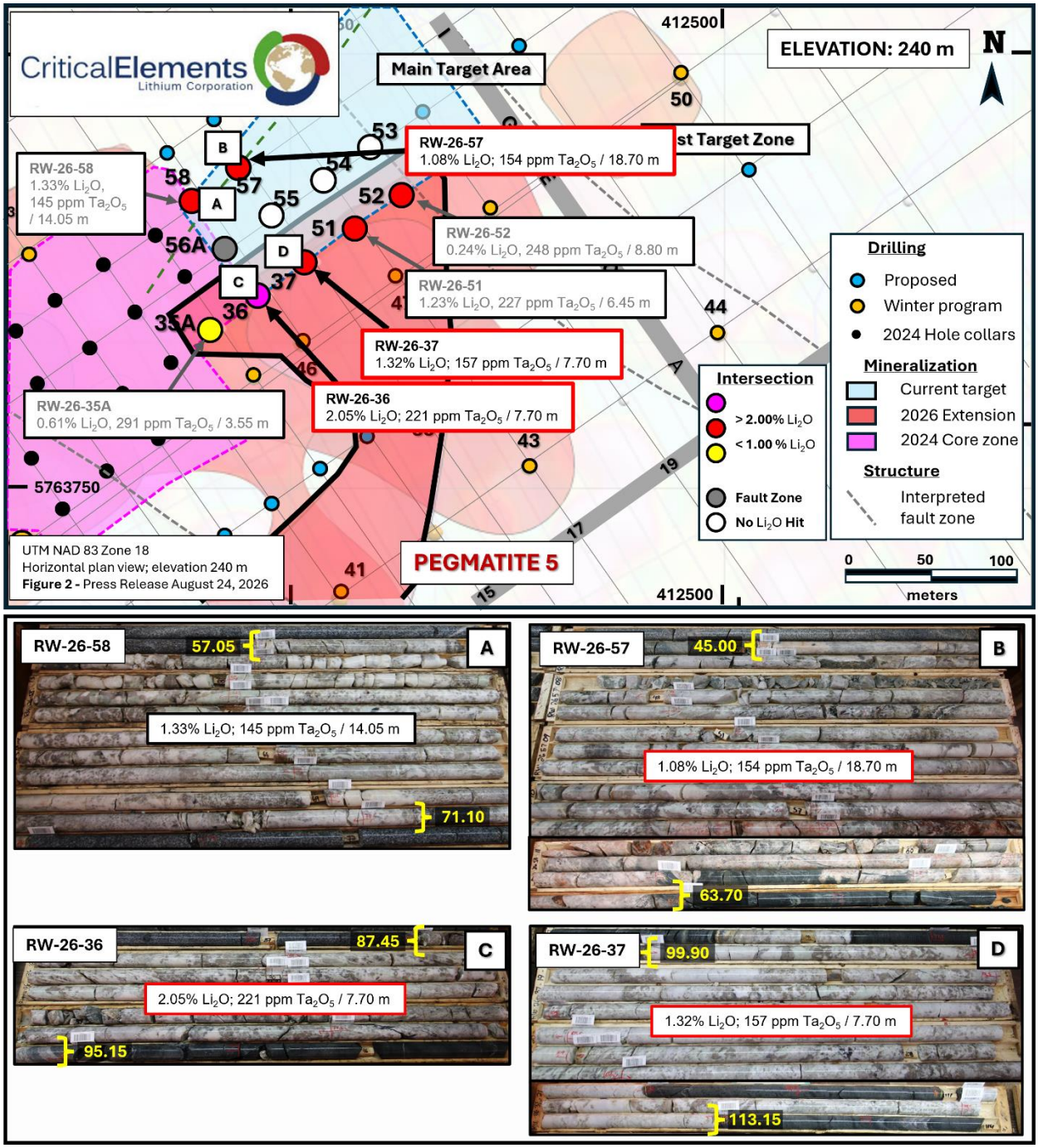


Figure 3: Pegmatite 3 projection Plan Map – Zone outline and targeted extensions.

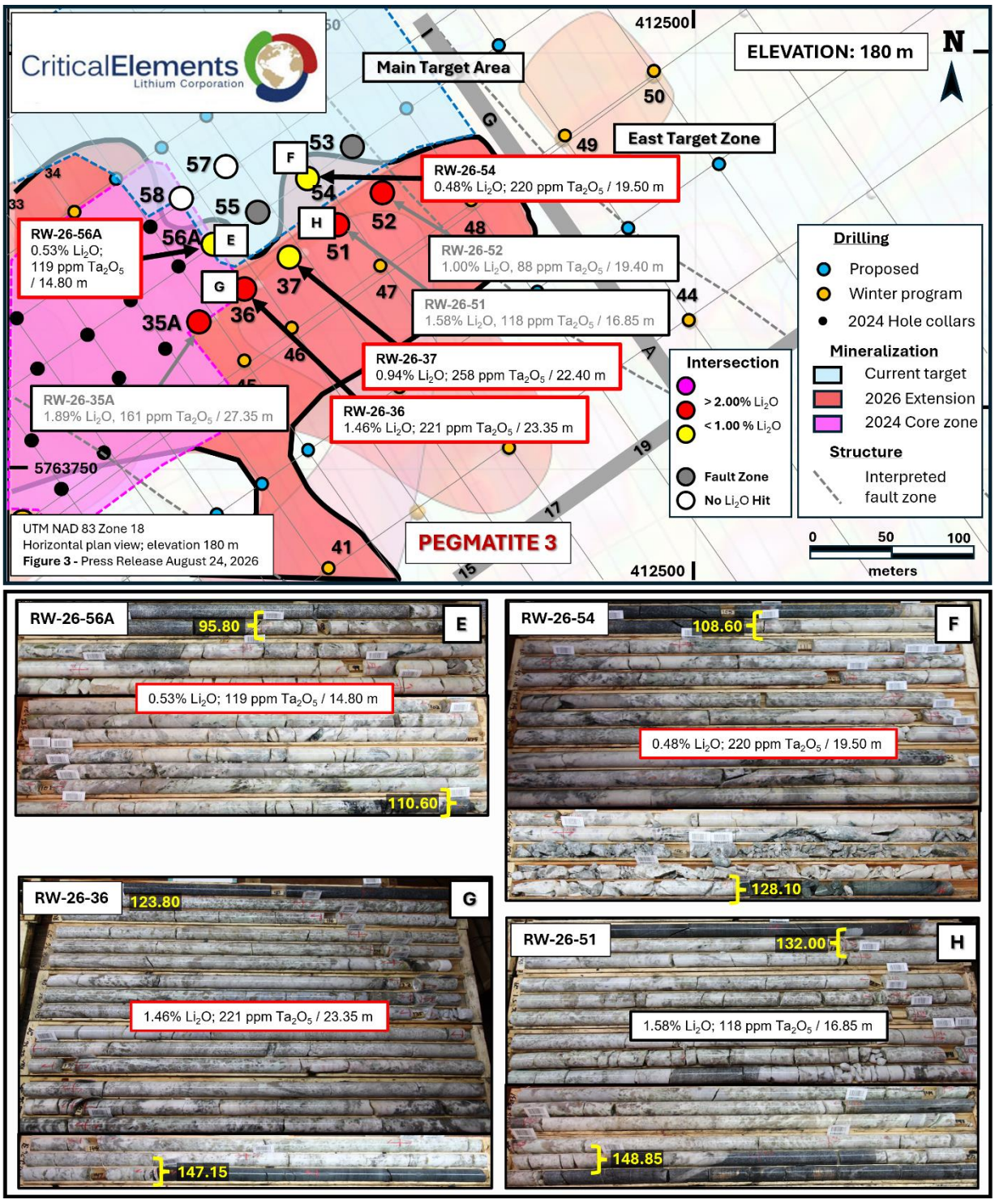
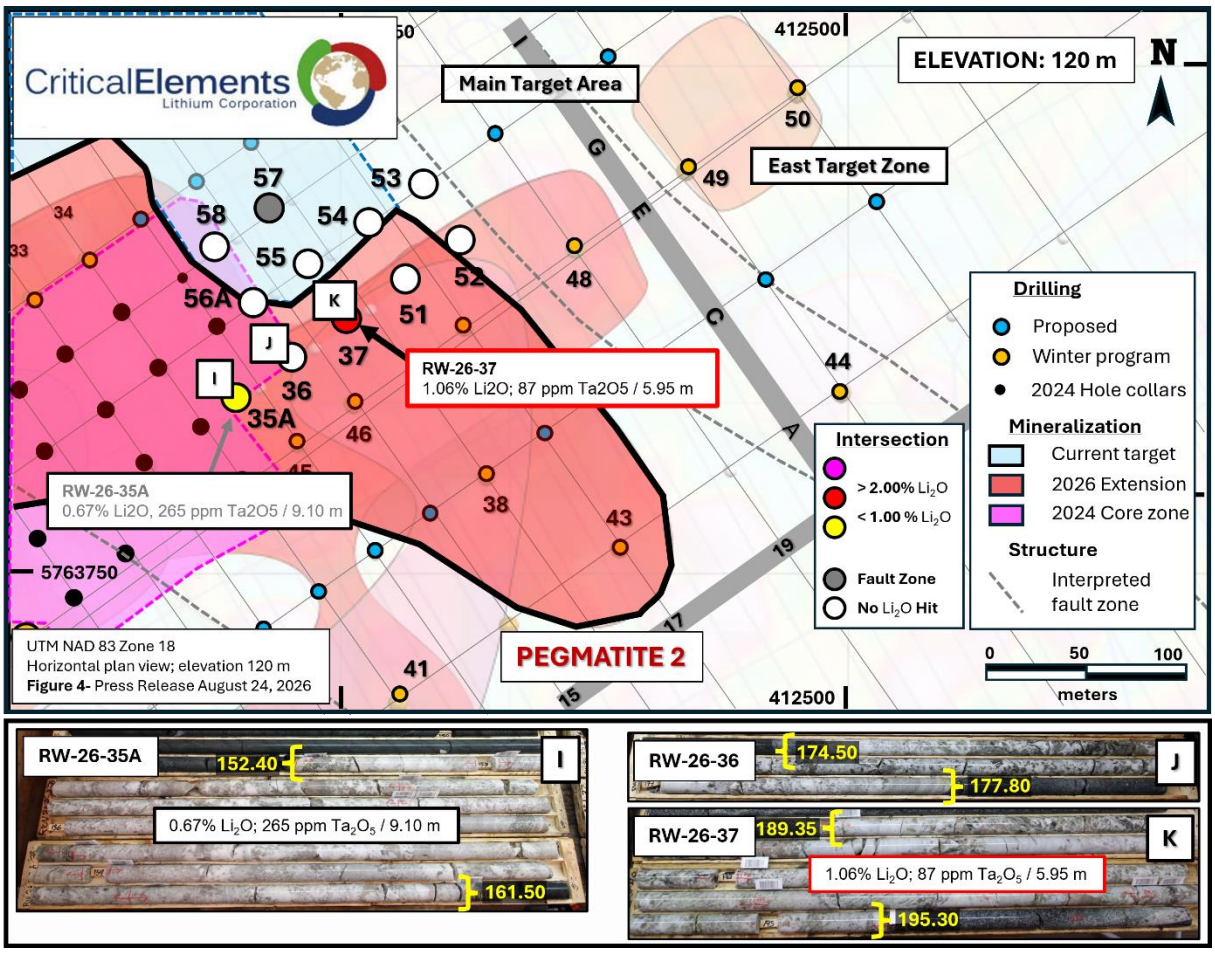


Figure 4: Pegmatite 2 projection Plan Map – Zone outline and targeted extensions.



Quality assurance/quality control

Quality assurance and quality control procedures have been implemented to ensure best practices in sampling and analysis of the drill core samples. Standards, duplicate and blanks were regularly inserted into the sample stream. The drill core samples were delivered, in secure tagged bags, to the ALS Minerals laboratory facility in Val-d'Or, Québec. 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 sodium peroxide fusion ME-MS-89L, with full analysis for 52 elements. Value over 25,000 ppm Li were re-assays using Li-ICP-82b and value over 2,500 ppm Ta_2O_5 were re-assays using Ta-XRF10.

Qualified Person

Kenneth Williamson, Géo, M.Sc. Director of Exploration at Critical Elements, is the Qualified Person that has reviewed and approved the technical contents of this news release on behalf of the Corporation.

About Critical Elements Lithium Corporation

Critical Elements aspires to become a large, responsible supplier of lithium to the flourishing electric vehicle and energy storage system industries. To this end, Critical Elements is advancing the wholly-owned, high-purity Rose Lithium-Tantalum project in Québec, the Corporation's first lithium project to be advanced within a land portfolio of over 1,016 km^2. On August 29, 2023, the Corporation announced results of a new Feasibility Study on Rose for the production of spodumene concentrate. The after-tax internal rate of return for the Project is estimated at 65.7%, with an estimated after-tax net present value of US$2.2B at an 8% discount rate. In the Corporation's view, Québec is strategically well-positioned for US and EU markets and boasts good infrastructure including a low-cost, low-carbon power grid featuring 94% hydroelectricity. The

project has received approval from the Federal Minister of Environment and Climate Change on the recommendation of the Joint Assessment Committee, comprised of representatives from the Impact Assessment Agency of Canada and the Cree Nation Government, received the Certificate of Authorization under the *Environment Quality Act* from the Québec Minister of the Environment, the Fight against Climate Change, Wildlife and Parks, and the project mining lease from the Québec Minister of Natural Resources and Forests under the Québec *Mining Act*.

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Although Critical Elements has attempted to identify important factors that could cause actual results to differ materially from those contained in forward-looking information, there may be other factors that cause results not to be as anticipated, estimated or intended. Factors that may cause actual results to differ materially from expected results described in forward-looking information include, but are not limited to: delays in obtaining final assay results from the laboratory facility, the final and complete results of the Corporation’s 2026 exploration drilling program on the Corporation’s Rose West property not delivering the anticipated results and the effects on the Corporation’s stated objectives, as well as those risk factors set out in the Corporation’s Management Discussion and Analysis for its most recent quarter ended May 31, 2026 and other disclosure documents available under the Corporation’s SEDAR+ profile. Forward-looking information contained herein is made as of the date of this news release and Critical Elements disclaims any obligation to update any forward-looking information, whether as a result of new information, future events or results or otherwise, except as required by applicable securities laws.

Forward-looking information contained herein is made as of the date of this news release. Although the Corporation has attempted to identify important factors that could cause actual results to differ materially from those contained in the forward-looking information or implied by forward-looking information, there may be other factors that cause results not to be as anticipated, estimated or intended. Accordingly, readers should not place undue reliance on forward-looking statements or information. The Corporation undertakes no obligation to update or reissue forward-looking information as a result of new information or events except as required by applicable securities law