First drilling campaign finished at Carachi Blanco Project with up to 377 ppm lithium results, freshwater access and 20,000L brine recovery

Miami, 24 October 2025, Lithium Mining Corporation ("**LMC**" or the "**Company**") is pleased to report the very encouraging results of the company's first drilling campaign for the ESG certified Carachi Blanco Project in Catamarca Province, Argentina.
The project located mainly on the Department of Antofagasta de la Sierra, with smaller sectors being part of the Department of Belen and the Department of Tinogasta. The locality of El Peñón lies in the heart of the project, as it extends to the north, east, west and south of it. It is accessible by fully paved roads from the closest international airports.
After successful approval of the EIA, LMC obtained an approval to conduct an exploration drilling campaign inside the assets from the Carachi Blanco Project. During this first campaign, three DDH were drilled where remarkable results were achieved obtaining samples with Li values up to 377 mg/L. Exploration results to date highlight the project's potential to become a key source of ESG compliant and low-cost battery-grade lithium.

HIGHLIGHTS

- TEM survey indicated high conductivity targets at Carachi Blanco project claims.
- Drilling started on November 2024.
- Drilling program consisted of 3 DDH with a total of 1,104 m drilled and a core recovery of almost 90%
- Lab results from packer samples in drillhole LES-002 showed brine values ranging from 183 up to 377 mg/l over a mineralized interval of 300 m
- Packer tests Q flow rates up to 0.55 l/s at 310 m bgs.
- 20,000 L representative mineralized brine available in IBC bins for DLE test work
- High-quality freshwater aquifer on tenements providing sufficient potable water for future operation

GEOLOGICAL SETTING

The Carachi Blanco Project consists of 27 concessions totalling 70,000 ha which covers the central-western sector of the Carachi Pampa basin, most of the sub-basin between the Laguna Blanca and El Peñón ranges, northern area of the Pasto Ventura and surroundings of Aparoma and del Salitre lakes. The Carachi Pampa Basin is situated within the Southern Puna Plateau of the Central Andes, characterized by arid conditions, high-altitude closed basins, and active tectonic and volcanic processes. It is a closed basin comprised of interbedded lacustrine and alluvial sediments of gravels, sands, silts, and clays, with episodic volcanic deposits of ignimbrites, tuffs, and basalts. The brine deposit in the Carachi Blanco basin is predominantly hosted within an immature clastic Salar system.

RESULTS

The project area has been the focus of extensive geophysical exploration to evaluate its potential for lithium brine deposits. LMC has undertaken TEM, CSAMT, seismic and gravity geophysics across the properties. These results provide a general understanding of the subsurface and provide the definition of high conductivity targets (Figure 1), that were used to determine the location of the drillholes.

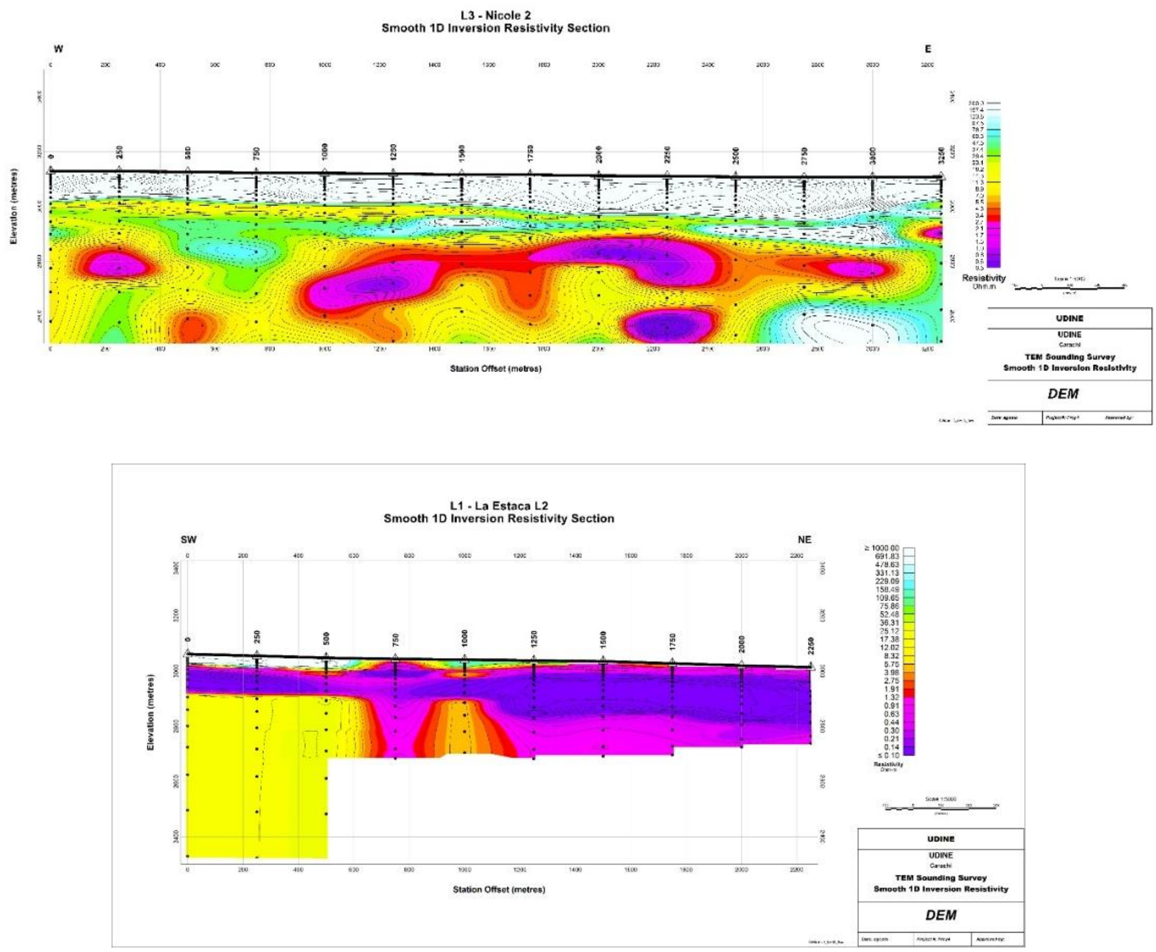

Figure 1. TEM lines from the Carachi Blanco Project showing high conductivity targets in dark purple.

During November 2024 to September 2025, after approval of the EIA, LMC conducted 3 DDH in 3 different targets in the Carachi Blanco Project (Figure 2). A total of 1,103.8 m was drilled with a core recovery of 89,7% (Figure 3). These drillholes varying in depth from 250 up to 500m. All were drilled rig using PQ/HQ triple-tube techniques to maximize core recovery and permit systematic hydrogeologic testing during advancement. AZU-005 reached a metamorphic basement while the other two drillholes crossed conglomerates, sandstones, siltstone and claystone corresponding to different alluvial and lacustrine sedimentary units (Figure 4).

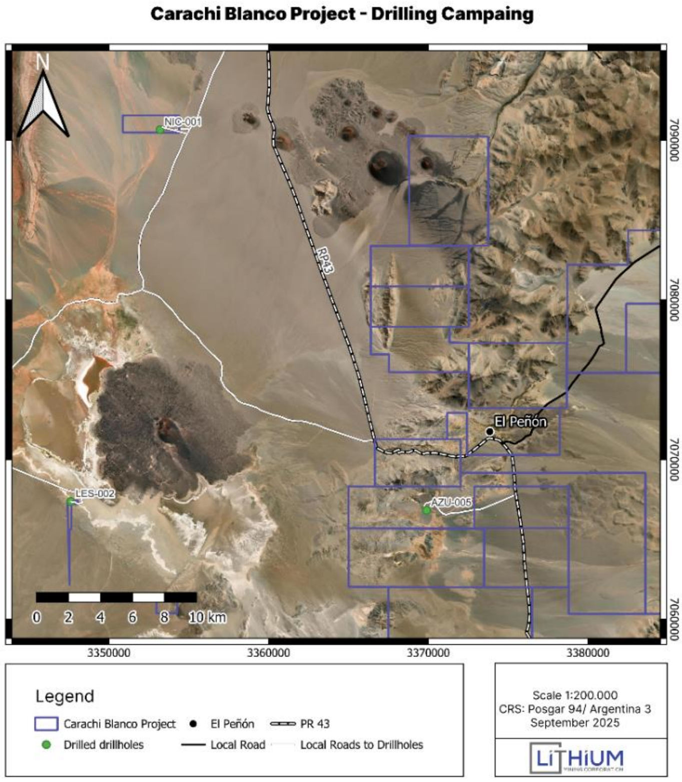

Figure 2. Map showing drillhole locations in the Carachi Blanco Project.

Figure 3. Cores recovered showing fine grained sandstone at 172 m bgs (up and left). Sulfate grains ins claystone-siltstone at 50 m bgs.

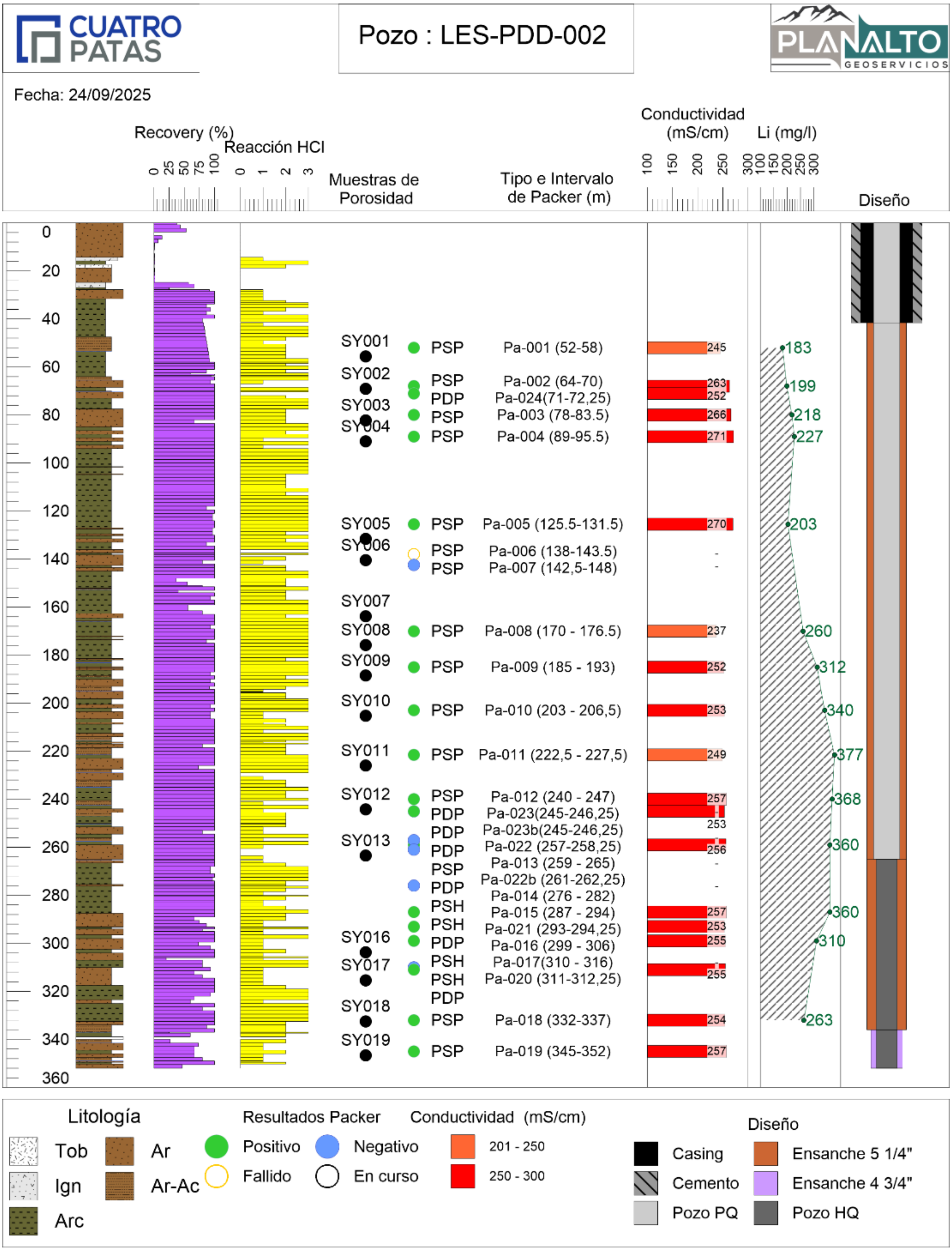

Figure 4. LES-002 log showing lithology, core recovery, packer intervals with field conductivity values and samples depths.

Figure 5: 20,000 L representative brine samples in 20 IBCs for DLE test work and core boxes.

Brine was collected during HQ/PQ diamond drilling and subsequent single/double packer testing. Packer brine samples were sent to Alex Stewart NOA Laboratory in Jujuy, Argentina (Table 1). Assay results from the initial phase of exploration returned interesting values for all three wells indicating high-quality freshwater supply and Li rich brine zones.

AZU-005 packer results showed low conductivity (<6 mS/cm) which indicates fresh to brackish water.
LES-002 packer tests consistently recorded high conductivity values, and the lab results showed brine values ranging from 183 up to 377 mg/L with an average of 284 mg/L(Table 3). A total of 20,000 L mineralized brine was pumped from well LES-002 for future DLE testwork (Figure 5).
In LES-002 Packer tests flow rates showed Q values ranging from 0.05 up to 0.55 L/s. The highest values were obtained between 285 and 310 m bgs.

Table 1 DDH LES-002 Lab results

Drillhole	Depth interval (m)	SO4= (mg/L)	Cl$^-$ (mg/L)	B (mg/L)	Ba (mg/L)	Ca (mg/L)	Fe (mg/L)	K (mg/L)	Li (mg/L)	Mg (mg/L)	Mn (mg/L)	Na (mg/L)	pH	Mg/Li (mol/mol)
LES-002	52-58	13898	141222	604	<0.20	696	<6.0	4015	183	2320	2.33	89849	6.9	3.619
	64-70	15146	158750	502	<0.20	642	15.3	4337	199	2222	0.78	101011	6.9	3.188
	78-83.5	18892	164118	441	<0.20	489	<6.0	4895	218	1580	2.51	109025	7.1	2.069
	89-95.5	16710	171902	523	<0.20	512	<6.0	5004	227	1091	1.35	112832	7	1.372
	125.5-131.5	16546	165225	466	<0.20	665	44.4	5044	203	1679	1.87	107552	7.3	2.361
	170 – 176.5	16381	178187	482	<0.20	442	8.8	6430	260	743	1.61	115657	7	0.816
	185 - 193	18823	177901	510	<0.20	354	<6.0	7154	312	798	1.01	116812	7.1	0.730
	203-206.5	21265	177687	486	<0.20	300	17.9	7291	340	883	1.17	117086	7.1	0.741

	221.5 – 227.5	17808	178651	463	<0.20	410	18.6	6780	377	916	1.57	116971	7.2	0.694
	240 - 247	19523	178330	397	<0.20	352	<6.0	6311	368	802	1.51	118400	7.2	0.622
	259 - 265	21416	177580	369	<0.20	286	<6.0	6016	360	863	1.28	118607	7	0.684
	287 – 294	16861	176116	374	<0.20	467	<6.0	5424	360	671	0.22	116467	7	0.532
	299-306	17040	175044	363	<0.20	467	<6.0	5080	310	705	0.23	115704	7	0.649
	332-337	14941	177437	354	<0.20	586	60.5	5026	263	854	1.34	117615	6.9	0.927

NEXT STEPS

The company expects to finalize a first preliminary resource estimate following NI43-101 standard report by the end of the year. Also, further drilling and geophysical work is planned for the following year to expand the understanding of the deposits in the project.

ABOUT LMC

Lithium Mining Corporation is a US based minerals exploration company with a focus on acquiring, exploring, and developing high-value critical and strategic metals and minerals. The company has established a subsidiary in Argentina (Cuatro Patas SRL) and is actively seeking to capitalize on the country's significant lithium potential, while maintaining a strong focus on environmental sustainability and community engagement proven by its outstanding ESG record.

Competent persons (NI43-101) are Pablo Gomez from TUAREG SRL and Murray Brooker from ZELANDEZ.

FORWARD-LOOKING STATEMENTS

This news release contains forward-looking statements, including exploration plans, timelines and potential for mineral discoveries. These statements are based on reasonable assumptions as of the date hereof but are subject to known and unknown risks and uncertainties that may cause actual results to differ materially. LMC undertakes no obligation to update such statements except as required by law.

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ABBREVIATIONS

B = Boron
Ba = Barium
bgs = below ground surface
Ca = Calcium
CSAMT = Controlled-Source Audio-Frequency Magnetotellurics
Cl^- = Chloride
Fe = Iron
ha = Hectare
K = Potassium
Li = Lithium
LMC= Lithium Mining Corporation
l/s = Liter per second
m= meter
mg/L = milligrams per liter
Mg= Magnesium
Mg/Li = Magnesium / Lithium
Mn = Manganese
mS/cm = milliSiemens per centimeter
Na= Sodium
NI 43-101: Canadian National Instrument 43-101 report (reporting standard for Canada).
Q = flow rate
$SO_4^=$ = Sulphate
TEM = Transient Electromagnetics