

FRONTIER LITHIUM INTERSECTS 126.8M OF PEGMATITE AVERAGING 1.31% Li₂O, INCLUDING A 11M ZONE OF 1.79% Li₂O and 459ppm Ta₂O₅ AND ANNOUNCES NEW STOCK OPTION PLAN AND GRANT OF OPTIONS

SUDBURY, ON, Dec. 14, 2022 /CNW/ - Frontier Lithium Inc. (TSXV: FL) (FRA: HL2) (OTCQX: LITOF) ("Frontier" or "the Company") is pleased to announce the results for seven more drill holes completed during Phase XII drill program on the Spark pegmatite which began in May with two diamond drill rigs and finished in October of 2022 with 14,641m in 45 holes. The main objective of the program was focused on converting inferred material to the indicated category for the planned open pit. The Spark pegmatite is one of the two delineated premium spodumene-bearing lithium deposits on the PAK Lithium Project.

Highlights

- When combining Phase XI and Phase XII delineation and infill drilling, the Company completed 15,984m of drilling in 50 holes in 2022. Highlights from the seven Phase XII diamond drill holes reported are included below.
- DDH PL-077-22 intersected 126.8m of pegmatite from 56.9m to 183.7m averaging 1.31% Li₂O. Drilled from the south, PL-077-22 was the first of 4 holes designed to define the eastern extent where the main Spark pegmatite orebody begins to break up into smaller pods separated by mafic rafts.
 - Includes two narrow lithium and tantalum enriched zones at depth including 11.1m from 260.2 to 271.3m averaging 1.79% Li₂O and 459 ppm Ta₂O₅ and 13.5m from 414.5 to 428.0m averaging 1.01% Li₂O and 194 ppm Ta₂O₅.
- DDH PL-078-22 intersected 104.9m of pegmatite from 120.4 to 225.3m averaging 1.58% Li₂O and a second 33.5m pegmatite zone from 246.7 to 280.2m averaging 1.63% Li₂O. Collared in the mafic volcanic host rock 24m west of PL-040-19, the hole designed to define the eastern extent where the main Spark pegmatite orebody begins to break up into smaller pods separated by mafic rafts.
 - Includes 35m from 149.0 to 184.0m averaging 2.39% Li₂O.
 - Includes 24.3m from 255.5m to 259.8m averaging 2.04% Li₂O.

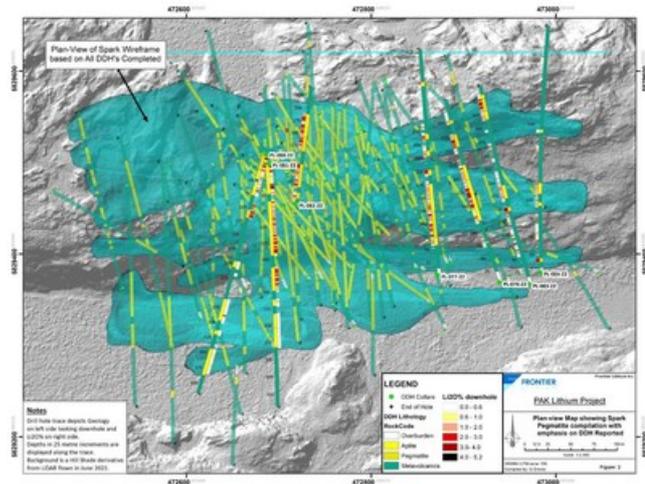
"We are pleased with the drilling results from the 2022 Drill Program to date, with the Spark deposit remaining open in all directions. The focus continues to be at depth and to the west where the grade and thicknesses of the deposit remain robust." states Garth Drever, V.P. Exploration. "Of the 14,641m drilled during Phase XII, a total of 8,720m of drill core was cut and submitted for analysis. 15 holes are outstanding and will be disseminated as they are received and pass quality assurance and control protocols."

The initial objective for the Phase XII drill program was focused on converting the inferred resource within the Spark deposit to the indicated category in preparation for a pre-feasibility study on the

PAK Lithium Project. The latter half of the program included geotechnical drilling for ground control and pit design purposes as well as step out drilling to define the eastern and western extents of the ore body.

Figure 1 is a location map showing the project area including Frontier's land tenure and location of the three lithium-cesium-tantalum pegmatites.

Figure 2 is a plan view showing all drilling with analytical data completed to date with emphasis on drill hole traces reported in this release.



Planview map of the Spark pegmatite showing drillhole traces. (CNW Group/Frontier Lithium Inc.)

Table 1 details the drill holes and channel with mineralized intersections while Table 2 summarizes all Phase XII drill holes completed as well as the channel.

Table 1: Details of Mineralized Intersections

Drill Hole PL-077-22	Collared in between FL-076-22 and FL-045-19, the hole was designed to define the pegmatite east of the main body where it begins to break up into smaller pods separated by mafic rafts. In total, 159m of pegmatite was intersected, most of which was mineralized (>1% Li ₂ O).									
Zone	From (m)	To (m)	Width (m)	Li₂O (%)	Cs₂O (%)	Ta₂O₅ (ppm)	Nb₂O₅ (ppm)	SnO₂ (ppm)	Rb₂O (%)	Unit
Li-Enriched	56.9	183.7	126.8	1.31	0.02	85	70	113	0.26	Pegmatite-Aplite
<i>including</i>	76.0	102.0	26.0	1.77	0.02	89	70	160	0.28	Pegmatite
Li-Ta-Rb Enriched	260.2	271.3	11.1	1.79	0.31	459	49	122	0.68	Aplite
Li-Ta-Rb Enriched	414.5	428.0	13.5	1.01	0.19	194	37	113	0.47	Aplite

Drill Hole PL-078-22	Collared 24m west of FL-040-19, the hole was designed to define the pegmatite on the east extent of Spark where the pegmatite pods begin to pinch out									
Zone	From (m)	To (m)	Width (m)	Li₂O (%)	Cs₂O (%)	Ta₂O₅ (ppm)	Nb₂O₅ (ppm)	SnO₂ (ppm)	Rb₂O (%)	Unit
Li-Enriched	120.4	225.3	104.9	1.58	0.04	153	64	120	0.35	Aplite
<i>including</i>	149.0	184.0	35.0	2.39	0.03	208	69	120	0.38	Aplite
Li-Enriched	246.7	280.2	33.5	1.63	0.07	186	50	56	0.26	Pegmatite
<i>including</i>	255.5	279.8	24.3	2.04	0.05	256	69	48	0.29	Pegmatite

Drill Hole PL-080-22	Collared 16m south of FL-051-21 on the of the main Spark pegmatite, the hole was designed to define the west end where the main ore body begins to break up into smaller pegmatite pods separated by mafic rafts. A total of 190m of pegmatite was intersected with much of the southern lower intersections barren of spodumene.									
Zone	From (m)	To (m)	Width (m)	Li₂O (%)	Cs₂O (%)	Ta₂O₅ (ppm)	Nb₂O₅ (ppm)	SnO₂ (ppm)	Rb₂O (%)	Unit
Li-Enriched	2.5	81.0	78.5	1.12	0.02	69	83	69	0.25	Aplite-pegmatite
<i>including</i>	2.5	32.0	29.5	1.75	0.01	44	71	72	0.31	Pegmatite
Li-Enriched	94.5	100.0	5.5	2.07	0.01	51	27	52	0.19	Pegmatite
Li-Enriched	106.0	121.1	15.1	2.20	0.03	93	66	75	0.42	Pegmatite

Drill Hole PL-081-22	Collared 13m south of FL-080-22 on top of the main Spark pegmatite, the hole was designed to fill in a gap to convert material and to further define the southern contact of the main ore body. The intent was to extend the hole and further define smaller pegmatite pods to the south. A total of 227.3m of pegmatite was intersected with mostly barren pegmatite below 200m.									
Zone	From (m)	To (m)	Width (m)	Li ₂ O (%)	Cs ₂ O (%)	Ta ₂ O ₅ (ppm)	Nb ₂ O ₅ (ppm)	SnO ₂ (ppm)	Rb ₂ O (%)	Unit
Li-Enriched	3.4	48.1	44.7	1.40	0.02	56	74	36	0.26	Aplite-pegmatite
<i>including</i>	32.9	40.3	7.4	2.98	0.01	71	72	36	0.18	Pegmatite
Li-Enriched	59.3	144.1	84.9	1.63	0.01	92	87	45	0.26	Aplite
<i>including</i>	112.5	140.5	28.0	2.06	0.01	86	86	42	0.27	Aplite
Li-Enriched	162.1	198.2	36.1	1.75	0.03	78	106	64	0.24	Aplite
<i>including</i>	163.0	189.0	26.0	2.03	0.02	82	109	60	0.27	Aplite

Drill Hole PL-082-22	Collared on the southern end of CH-50 on top of the main Spark pegmatite, designed to fill in a gap and define the northern contact of the main orebody.									
Zone	From (m)	To (m)	Width (m)	Li ₂ O (%)	Cs ₂ O (%)	Ta ₂ O ₅ (ppm)	Nb ₂ O ₅ (ppm)	SnO ₂ (ppm)	Rb ₂ O (%)	Unit
Li-Enriched	0.0	25.5	25.5	1.08	0.04	43	53	58	0.20	Pegmatite
<i>including</i>	0.0	17.5	17.5	1.35	0.05	43	51	60	0.21	Pegmatite
Li-Enriched	36.3	86.0	49.8	1.80	0.01	67	82	42	0.24	Pegmatite-Aplite
<i>including</i>	76.5	86.0	9.5	2.92	0.01	50	54	32	0.20	Aplite-pegmatite
Li-Enriched	111.7	187.3	75.7	1.70	0.02	130	98	71	0.29	Aplite-pegmatite
<i>including</i>	123.5	141.0	17.5	2.14	0.03	119	85	106	0.30	Pegmatite

Drill Hole PL-083-22	Collared 32m east of FL-078-22, the hole was designed to define the pegmatite on the east extent of Spark where the pegmatite pods begin to pinch out									
Zone	From (m)	To (m)	Width (m)	Li ₂ O (%)	Cs ₂ O (%)	Ta ₂ O ₅ (ppm)	Nb ₂ O ₅ (ppm)	SnO ₂ (ppm)	Rb ₂ O (%)	Unit
Li-Enriched	121.4	154.9	33.5	1.67	0.04	165	58	109	0.29	Aplite-Pegmatite
<i>including</i>	145.0	153.9	8.8	3.09	0.00	322	80	59	0.06	Pegmatite
Li-Enriched	169.5	209.6	40.1	1.04	0.03	100	42	100	0.26	Aplite
<i>including</i>	171.9	202.4	30.5	1.19	0.03	107	46	111	0.29	Aplite
Li-Enriched	316.5	361.0	44.5	1.56	0.11	202	49	146	0.82	Pegmatite-Aplite
<i>including</i>	337.0	353.8	16.8	2.34	0.09	143	37	93	0.99	Pegmatite

Drill Hole PL-084-22	Collared 18m east of FL-083-22, the hole was stepped out to cut off the east extent of the Spark pegmatite. Although the pegmatite is narrowing, it still remains open									
Zone	From (m)	To (m)	Width (m)	Li ₂ O (%)	Cs ₂ O (%)	Ta ₂ O ₅ (ppm)	Nb ₂ O ₅ (ppm)	SnO ₂ (ppm)	Rb ₂ O (%)	Unit
Li-Enriched	14.4	20.2	5.9	2.41	0.01	73	45	21	0.25	Pegmatite
Li-Enriched	92.1	97.0	4.9	1.21	0.01	150	79	76	0.21	Aplite
Li-Enriched	107.2	123.0	15.8	1.36	0.02	134	71	80	0.35	Aplite

Table 2: Summary of Phase XII Drill Program (May to October 2022)

DDHNo	Date Drilled		UTM Zone 15N (NAD83)			Collar Orient		Metres Drilled	
	Start	End	Easting	Northing	(mASL)	Azim	Dip	Start	End
FL-057-22 ¹	2022-05-15	2022-10-01	472,733	5,829,489	355.9	359	-55	0	225
FL-058-22 ¹	2022-05-17	2022-10-03	472,733	5,829,489	355.9	177	-70	0	400
FL-059-22 ²	2022-05-24	2022-05-28	472,698	5,829,535	356.0	165	-78	0	316
FL-060-22 ²	2022-05-27	2022-06-04	472,749	5,829,559	360.0	180	-73	0	360
FL-061-22 ²	2022-05-20	2022-05-27	472,773	5,829,561	360.2	178	-65	0	327
FL-062-22 ³	2022-05-28	2022-06-05	472,712	5,829,596	356.2	176	-65	0	360
FL-063-22 ¹	2022-06-05	2022-06-10	472,746	5,829,539	360.0	187	-70	0	348.5
FL-064-22 ¹	2022-06-05	2022-06-10	472,712	5,829,596	356.2	141	-65	0	352.5
FL-065-22 ⁴	2022-06-10	2022-06-22	472,686	5,829,583	354.0	173	-72	0	330.86
FL-066-22 ³	2022-06-12	2022-06-27	472,732	5,829,371	325.0	323	-70	0	365.67
FL-067-22 ⁴	2022-06-29	2022-07-04	472,778	5,829,383	327.0	315	-70	0	352.5
FL-068-22 ²	2022-06-22	2022-06-27	472,790	5,829,540	360.0	171	-55	0	343.5
FL-069-22 ⁴	2022-07-06	2022-07-15	472,814	5,829,385	326.0	324	-61	0	412.3
FL-070-22 ³	2022-06-28	2022-07-04	472,805	5,829,588	360.0	184	-54	0	405
FL-071-22 ³	2022-07-04	2022-07-15	472,805	5,829,588	360.0	160	-52	0	384.6
FL-072-22 ⁴	2022-07-15	2022-07-21	472,847	5,829,384	326.0	349	-61	0	386.2
FL-073-22 ³	2022-07-16	2022-07-23	472,816	5,829,589	360.0	146	-52	0	392
FL-074-22 ⁵	2022-07-28	2022-08-02	472,584	5,829,497	354.0	162	-47	0	403.5
FL-075-22 ⁵	2022-08-01	2022-08-06	472,571	5,829,490	354.0	177	-47	0	408

Phase XII	FL-076-22 ⁵	2022-07-25	2022-08-05	472,846	5,829,384	326.0	314	-63	0	438
	PL-077-22	2022-08-08	2022-08-24	472,864	5,829,390	326.0	354	-56	0	433.38
	PL-078-22	2022-08-25	2022-09-01	472,939	5,829,369	326.0	341	-55	0	339.7
	FL-079-22 ⁵	2022-08-06	2022-08-15	472,538	5,829,480	357.0	177	-48	0	417
	PL-080-22	2022-08-16	2022-08-23	472,687	5,829,511	354.0	193	-55	0	418.5
	PL-081-22	2022-08-24	2022-08-30	472,689	5,829,499	354.0	177	-46	0	367.7
	PL-082-22	2022-08-30	2022-09-02	472,718	5,829,455	355.0	6	-61	0	241.5
	PL-083-22	2022-09-02	2022-09-06	472,971	5,829,367	326.0	343	-57	0	377.3
	PL-084-22	2022-09-07	2022-09-11	472,983	5,829,380	325.0	358	-42	0	327
	FL-085-22	2022-09-02	2022-09-05	472,731	5,829,472	354.0	309	-57	0	232
	FL-086-22	2022-09-05	2022-09-08	472,731	5,829,472	354.0	162	-46	0	201
	FL-087-22	2022-09-08	2022-09-11	472,701	5,829,451	354.0	318	-50	0	213.4
	FL-088-22	2022-09-11	2022-09-16	472,706	5,829,453	354.0	173	-46	0	210.7
	FL-089-22	2022-09-16	2022-09-17	472,762	5,829,514	360.0	360	-50	0	87
	FL-090-22	2022-09-11	2022-09-15	472,746	5,829,371	326.0	334	-45	0	289.4
	FL-091-22	2022-09-15	2022-09-18	472,663	5,829,362	327.0	338	-43	0	261.4
	FL-092-22	2022-09-17	2022-10-20	472,762	5,829,514	360.0	174	-46	0	274.5
	FL-093-22	2022-09-20	2022-09-23	472,614	5,829,329	328.0	345	-47	0	253.6
	FL-094-22	2022-09-24	2022-10-01	472,657	5,829,357	326.0	351	-54	0	339
	FL-095-22	2022-09-20	2022-09-23	472,785	5,829,531	362.0	165	-44	0	258.6
	FL-096-22	2022-09-23	2022-09-30	472,865	5,829,583	359.0	136	-44	0	425.3
	FL-097-22	2022-10-03	2022-10-04	472,698	5,829,535	354.0	6	-70	0	12.5
	FL-098-22	2022-10-01	2022-10-09	472,756	5,829,387	327.0	317	-58	1	471
	FL-099-22	2022-10-09	2022-10-15	472,529	5,829,361	330.0	345	-65	0	477
	FL-GDH-11-22	2022-07-22	2022-07-24	473,046	5,829,379	325.0	285	-47	0	173.5
	FL-GDH-12-22	2022-07-23	2022-07-25	472,456	5,829,470	358.0	119	-45	0	228
Total metres drilled									14,641.1	
Notes:	<p>1: Reported on Release July 25, 2022</p> <p>2: Reported on Release August 17, 2022</p> <p>3: Reported on Release September 20, 2022</p> <p>4: Reported on Release October 11, 2022</p> <p>5: Reported on Release November 16, 2022</p>									

Due Diligence

All scientific and technical information in this release has been reviewed and approved by Garth Drever, P. Geo., the qualified person (QP) under the definitions established by National Instrument 43-101. Under Frontier's QA/QC procedures, all drilling was completed by Chenier Drilling Ltd. of Val Caron, ON using thin walled BTW drill rods (4.2 cm core diameter) and a Reflex ACT III oriented core system. Using the Reflex system, the drill core was oriented and marked as it was retrieved at the drill. The core was boxed and delivered to the Frontier core shack where it was examined, geologically logged, and marked for sampling. The core was photographed prior to sampling. Using a rock saw, the marked sample intervals were halved with one-half bagged for analysis. Sample blanks along with lithium, rubidium and cesium certified reference material was routinely inserted into the sample stream in accordance with industry recommended practices. Field duplicate samples were also taken in accordance with industry recommended practices. The samples were placed in poly sample bags and transported to Red Lake by float plane and then shipped to AGAT Laboratories Ltd. (AGAT) in Thunder Bay for sample preparation and to Mississauga, Ontario for processing and quantitative multi-element analysis. AGAT is an ISO accredited laboratory. The core is stored on site at the Pakeagama Lake exploration camp.

New Stock Option Plan and Grant of Stock Options

The Company also announces that it has adopted a new 10% rolling stock option plan (the "**New Stock Option Plan**"). The New Stock Option Plan has been approved by the board of directors of the Company, the shareholders of the Company at the annual general meeting of shareholders on October 3, 2022, and is subject to approval by the TSX Venture Exchange ("**TSXV**"). The New Stock Option Plan replaces the Company's previous 10% fixed stock option plan.

Under the New Stock Option Plan, the Company may grant options to acquire common shares of the Company in an aggregate amount of up to 10% of the then current issued and outstanding common shares, subject to the terms and conditions of the New Stock Option Plan, the Policies of the TSXV and applicable securities laws. Any options outstanding under the previous stock option plan will be governed by the New Stock Option Plan. The New Stock Option Plan will be filed on the Company's SEDAR profile and the terms, limitations and conditions of this plan can be accessed at

www.sedar.com.

The board of directors of the Company would also like to announce at this time that it has granted an aggregate of 4,900,000 stock options under the New Stock Option Plan (the "**Options**"). The Options have been issued to certain directors, officers, consultants and employees of the Company for retention purposes, and in recognition of these individuals continuing efforts in assisting the Company's with its growth. The Options are exercisable at a price of \$ \$2.10 per common share and will have a term of 5 years from the date of issuance. 50% of these Options vest on the grant date, and the remaining 50% vest on the date that is the first anniversary date of the grant date. These Options are subject to approval by the TSXV.

About Frontier Lithium

Frontier Lithium is a preproduction business with an objective to become a strategic domestic supplier of spodumene concentrates for industrial users as well as battery-grade lithium hydroxide and other chemicals to the growing electric vehicle and energy storage markets in North America. The Company maintains the largest land position and resource in a premium lithium mineral district located in Ontario's Great Lakes region.

About PAK Lithium Project

The PAK lithium project contains one of North America's highest-grade lithium resources. The project encompasses close to 27,000 hectares and remains largely unexplored; however, since 2013, the company has delineated two premium spodumene-bearing lithium deposits (PAK and Spark), located 2.3 kilometres apart. Exploration is continuing on the project through two other spodumene-bearing discoveries: the Bolt pegmatite (located between the PAK and Spark deposits), as well as the Pennock pegmatite (25 kilometres northwest of PAK deposit within the project claims). A 2021 preliminary economic assessment (National Instrument 43-101 technical report titled "NI 43-101 Technical Report, Pak Property, PAK, Red Lake Mining District, Ontario, Canada" by BBA E&C Inc., with an effective date of April 5, 2021) delivered a fully integrated lithium operation, including the mine and mill and the conversion plant for production of battery-quality lithium salts.

Forward-looking Statements

Neither the TSX Venture Exchange nor its Regulation Services Provider (as that term is defined in the policies of the TSX Venture Exchange) accepts responsibility for the adequacy or accuracy of this release. This release includes certain statements that may be deemed "forward-looking statements". All statements in this release, other than statements of historical facts, that address future production, reserve potential, exploration drilling, exploitation activities and events or developments that the Company expects are forward-looking statements. Although the Company 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. Factors that could cause actual results to differ materially from those in forward looking statements include market prices, exploitation and exploration successes, continued availability of capital and financing, and general economic, market or business conditions. Investors are cautioned that any such statements are not guarantees of future performance and those actual results or developments may differ materially from those projected in the forward-looking statements. For more information on the Company, Investors should review the Company's registered filings available at [sedar.com](http://www.sedar.com).

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