



Graphano Drilling Results Show Great Potential for Zone 3 at LAB Graphite Project

Vancouver, BC, February 8, 2023, Graphano Energy Ltd. (the “Company”) (TSX-V: GEL; FSE:97G0) is pleased to announce results of the exploration drilling of Zone 3 on its 100% owned Lac Aux Bouleaux Graphite (LAB) Property in Quebec.

Luisa Moreno, Chief Executive Officer of the Company, stated: *“The recent drill program has been very successful, with significant graphite mineralization being intersected in almost all the holes completed on Zone 3. Our drilling program to date suggests that the graphite mineralization at Lac Aux Bouleaux is structurally folded which can enhance the economic potential of the various zones of mineralization. We are encouraged to continue with the exploration drilling program for all the remaining zones followed by a comprehensive resource drilling program later this year. We are confident that we will define a compliant mineral resource to supply graphite to the western battery supply chain in the near term; thus, continuing to make this region of Quebec the only source of graphite in North America.”*

A total of 25 drill holes were completed for a total of 1,779 metres. Given that surface mineralization was previously exposed during Graphano’s trenching program intermittently along the length of Zone 3, most holes were shallow (less than 60 m) to test the immediate depth and thickness of the graphite mineralization. Twenty-three holes were drilled to evaluate Zone 3 over a length of approximately 500 metres. One hole was drilled in Zone 8 and another one in Zone 4. Highlights of the drilling results are provided below.

Highlights (see Figure 1 and Table 1 for details):

Zone 3 Target

Very successful drill program with 15 of the 23 drill holes (65%) intersecting significant graphite mineralization over the 500 metre length of Zone 3 tested by this first phase of exploration drilling. The mineralization outlined remains open for continued expansion. Results include:

- Drill Hole LB22-33 intersected 6.26% graphitic carbon (Cg) over 13.7 meters (m) starting at 14.0 (m) drilled depth, including 11.95% Cg over 4.7 m at 14 m;
- Drill Hole LB22-45 intersected 9.09% Cg over 8.0 m at 68 m;
- Drill Hole LB22-52 intersected 7.17% Cg over 9.0 m at 36 m;
- Drill Hole LB22-39 intersected 4.72% Cg over 11.6 m at 36.4 m , including 6.56% Cg over 6.6 m at 36.4m;
- Drill Hole LB22-34 intersected 5.82% Cg over 9.0 m at 38.0 m, including 6.25% Cg over 3.50 m at 38 and 7.28% Cg over 4 m at 43 m;
- Drill Hole LB22-32 intersected 6.28% Cg over 8.0 m at 18.5 m;
- Drill Hole LB22-48 intersected 9.53% Cg over 5.0 m at 19.5 m

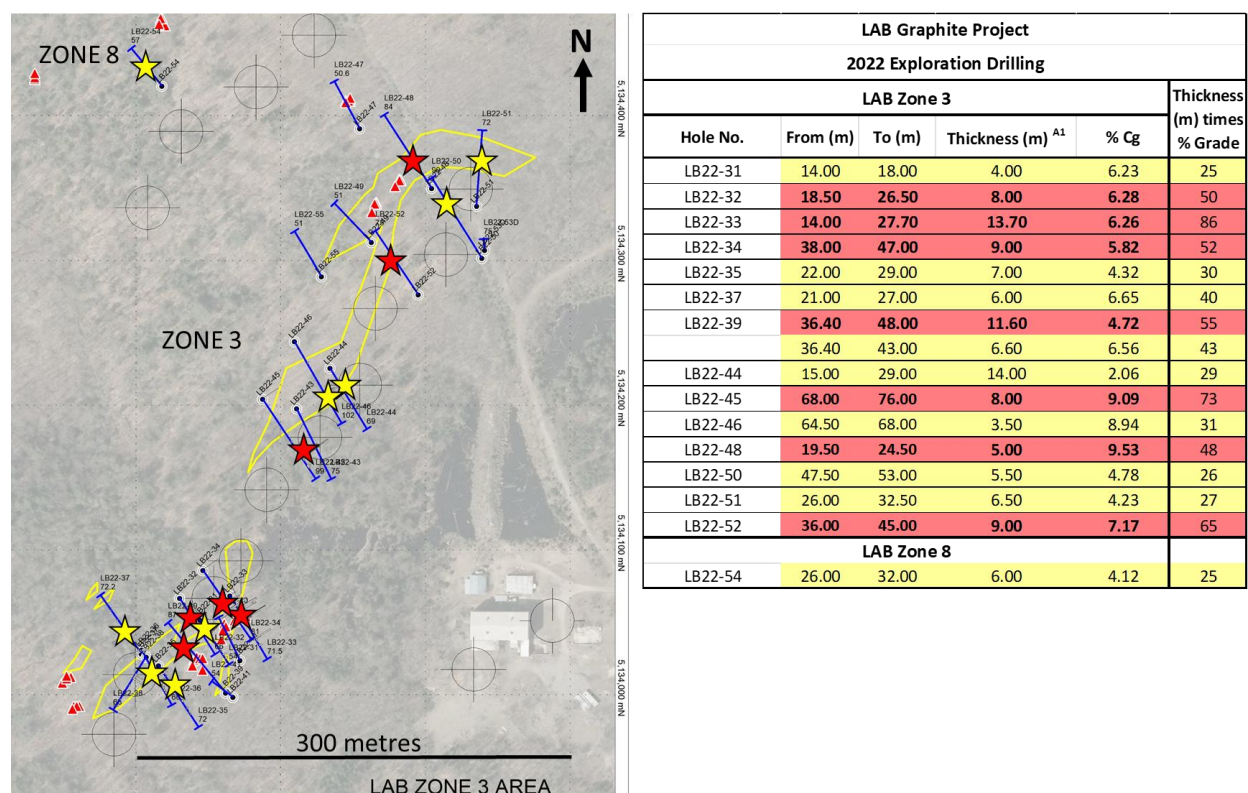
Zone 8 Target

Only a single drill hole completed to date, LB22-54, which intersected 4.12% Cg over 6.0 m at 26 m drilled depth which indicates significant potential for this virtually unexplored target. Based on airborne EM results the Zone 8 target has an approximate 1000 metre length requiring further exploration.

(Note: All intersections reported are based on drilled width and have not been converted to the true width).

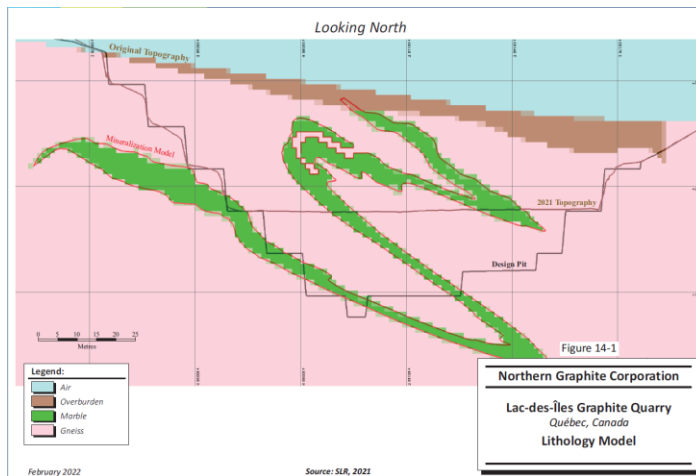
One method of evaluating and visually demonstrating the exploration significance of a drill program and thus the indicated economic potential is to calculate a drill hole's mineralized zone thickness multiplied by the zone's grade. The last column of the table on Figure 1 shows the thickness times metres values for LAB Zone 3 drill holes. The values greater than 25 (yellow highlight) are significant and those above 50 (red highlight) are very significant.

Figure 1 – Zone 3 Drill Holes Map



The exploration drilling to date seems to suggest that the relatively high-grade LAB graphite horizons are locally folded and structurally thickened, which can enhance the potential for economic mineralization. This is similar to the Lac des Iles (LDI) deposit (Figure 2) that has been mined for over 30 years and is located immediately adjacent to Graphano's LAB property.

Figure 2 – Lac des Îles Graphite Mineralization Model



Source: Technical Report on the Lac-des-Îles Quarry, Québec, Report for NI 43-101, February 2022, SRL Consulting (Canada).
Note: graphite mineralization in the green area.

Luisa Moreno, Chief Executive Officer of the Company, added: *“The combination of the excellent accessibility of the property and the near surface mineralized zones gives Graphano great encouragement for the development of LAB at a much faster pace than usual.”*

Zone 3 on the Property is one of the eight target areas identified from the 2015 airborne high-resolution magnetic (MAG) and time-domain electromagnetic (TDEM) survey completed on the LAB property. These targets were further explored through ground geophysical surveying and, prior to drilling, additional trenching and channeling sampling was performed to identify the best areas for drilling and orientation.

The majority of drill holes completed on the Zone 3 target intersected near surface mineralized horizons ranging from 1.0 metres to 14 metres in thickness (core length) over a 500 m length, thus far by drilling. The graphite mineralization observed during the drilling is hosted within a sequence of marble, paragneiss and quartzites.

Table 1: Drill Hole Results

LAB Graphite Project								
2022 Exploration Drilling								
LAB Zone 3								
Hole No.	Azimuth	Dip	Easting	Northing	From (m)	To (m)	Thickness (m) ^{A1}	% Cg
LB22-31	135	-45	457744	5134052	14.00	20.00	6.00	4.15
					including 14.00	18.00	4.00	6.23
LB22-32	135	-45	457730	5134067	18.50	26.50	8.00	6.28
					including 18.50	24.00	5.50	8.40
					54.50	55.50	1.00	9.15
LB22-33	135	-45	457765	5134069	14.00	27.70	13.70	6.26
					including 14.00	18.70	4.70	11.95
					and 25.50	27.70	2.20	11.45

					47.50	57.00	9.50	2.67
				including	47.50	49.00	1.50	9.63
LB22-34	135	-45	457746	5134086	38.00	47.00	9.00	5.82
				including	38.00	41.50	3.50	6.28
				and	43.00	47.00	4.00	7.38
					63.00	63.70	0.70	9.53
LB22-35	135	-45	457715	5134020	22.00	29.00	7.00	4.19
				including	22.00	26.00	4.00	6.24
LB22-36	135	-45	457704	5134031	0.00	3.00	3.00	3.65
					29.50	38.00	8.50	2.90
				including	34.00	38.00	4.00	3.49
LB22-37	315	-45	457704	5134029	1.00	4.00	3.00	3.68
					21.00	27.00	6.00	6.65
				including	23.00	26.00	3.00	10.95
LB22-38	200	-45	457707	5134026	20.00	26.00	6.00	3.17
LB22-39	315	-45	457762	5134002	2.00	4.00	2.00	3.95
					13.00	15.00	2.00	8.86
					36.40	48.00	11.60	4.72
				including	36.40	43.00	6.60	6.56
LB22-40	315	-45	457772	5134024	No Significant Mineralization			
LB22-41	315	-70	457767	5133999	No Significant Mineralization			
LB22-43	135	-45	457811	5134198	No Significant Mineralization			
LB22-44	135	-45	457834	5134226	15.00	29.00	14.00	2.06
				including	17.00	19.00	2.00	3.14
				and	23.00	25.00	2.00	5.16
LB22-45	135	-45	457787	5134205	68.00	76.00	8.00	9.09
				including	68.00	73.50	5.50	12.59
					82.00	85.00	3.00	2.10
LB22-46	135	-50	457809	5134244	64.50	68.00	3.50	8.94
LB22-47	315	-45	457854	5134391	No Significant Mineralization			
LB22-48	315	-45	457904	5134350	19.50	24.50	5.00	9.53
LB22-49	315	-45	457863	5134313	20.00	23.00	3.00	6.03
LB22-50	315	-45	457939	5134302	47.00	55.00	8.00	3.95
				including	47.50	53.00	5.50	4.78
LB22-51	350	-45	457935	5134338	26.00	32.50	6.50	4.23
				including	30.00	32.50	2.50	9.10
LB22-52	315	-45	457895	5134277	36.00	45.00	9.00	7.17
LB22-53	345	-85	457941	5134307	19.00	38.00	19.00	1.44
				including	37.00	38.00	1.00	14.10
LB22-55	315	-45	457828	5134289	21.00	23.00	2.00	3.27

LAB Zone 4								
LB22-42	315	-45	457461	5133968	61.00	63.00	2.00	4.30
					88.50	89.00	0.50	7.18
LAB Zone 8								
LB22-54	315	-55	457718	5134421	26.00	32.00	6.00	4.12
				including	27.00	30.00	3.00	7.33
Notes: <i>A¹ Thicknesses are core length. True width will be defined with additional drilling</i> <i>UTM Nad 83, Zone 18</i>								

All drill core samples were bagged and tagged using best practices and were delivered to Activation Laboratories (“ACTLABS”), Ancaster, Ontario, for sample preparation and analyses using laboratories’ Code 4F-C Graphitic, analyzing C-Graphite (infrared) where the sample is subjected to a multistage furnace treatment to remove all forms of carbon with the exception of graphitic carbon; and C-Total (infrared). ACTLABS is an independent commercial, accredited ISO Certified Laboratory. The core samples also include field duplicates and blanks for quality control and quality assurance (QA/QC) purposes.

Qualified Person

The technical content disclosed in this press release was reviewed and approved by Mr. Martin Ethier, Géo (#1520), who is a Member of the Order of Geologists of Québec and a “Qualified Person” as defined in National Instrument 43-101 – Standards of Disclosure for Mineral Projects. (“NI 43-101”), and Roger Dahn, B.Sc., P.Geo, a director of the Company, also a “Qualified Person”.

About Graphano Energy

Graphano Energy Ltd. is an exploration and development company that is focused on evaluating, acquiring and developing energy metals resources from exploration to production.

Graphite is one of the most in-demand technology minerals that is required for a green and sustainable world. The Company’s Lac Aux Bouleaux property, situated adjacent to Canada’s only producing graphite mine, in Quebec, Canada, has historically been an active area for natural graphite. With the demand for graphite growing in some of the most prominent and cutting-edge industries, such as lithium batteries in electric cars and other energy storage technologies, the Company is developing its project to meet the demands of the future.

ON BEHALF OF THE BOARD OF DIRECTORS

Luisa Moreno
Chief Executive Officer and Director
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