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Millennial Potash Expands High-Grade Potash Mineralization at Depth Increasing Potash Thickness to 80 Meters in the Northern Part of the Banio Project

Millennial Potash Corp. (TSX.V:MLP, OTCQB:MLPNF, FSE: X0D) (“MLP”, “Millennial” or the “Company”) is pleased to report analytical results from the extension of historic drillhole BA-002 (Fig. 1). Millennial Potash has extended Hole BA-002 to a depth of 552.50m and has intersected additional intervals of potash mineralization beyond the previous drilling depth. Potash Cycle IV returned 17.1% KCl over 4.16m and potash Cycle III returned 18.7% KCl over 4.76 m extending the number of potash cycles intersected in BA-002 to 6 and increasing the cumulative thickness of potash mineralization that may be amenable to solution mining to approximately 80m (Table 1, Figs. 2, 3).

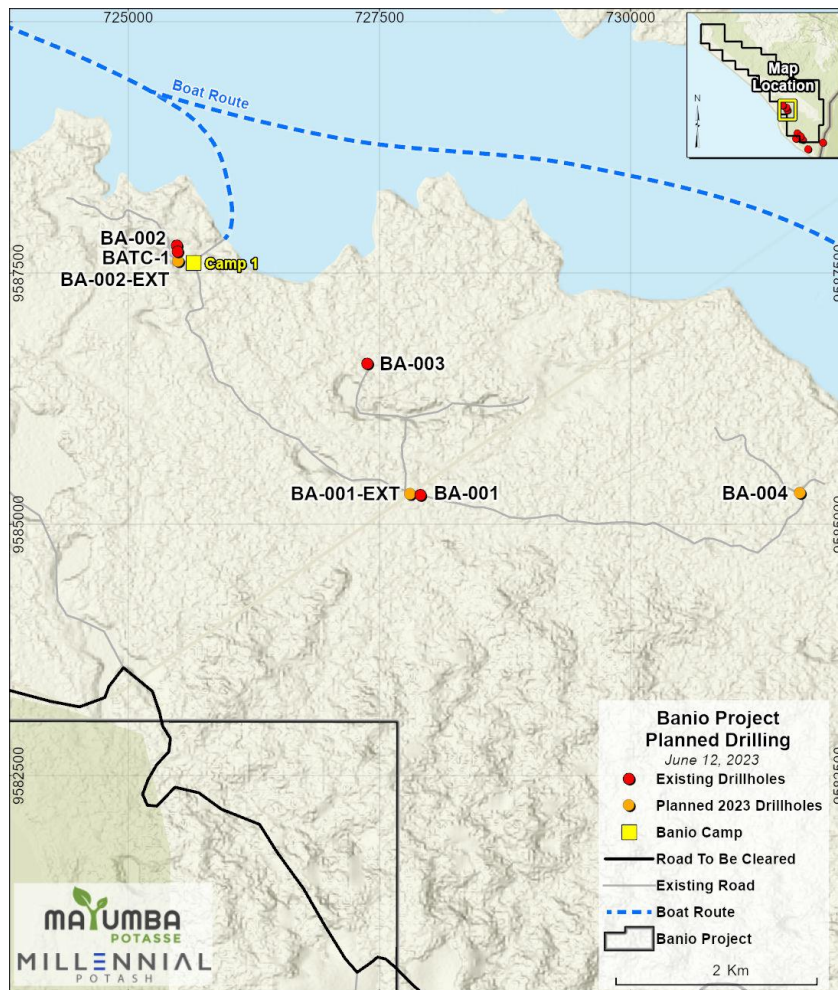


Fig. 1 Location of BA-002 Extension drill hole

Farhad Abasov, Millennial’s Chair, commented “Millennial Potash is excited to announce that the extension to drillhole BA-002 has successfully intersected two new high-grade seams, one attributed to Cycle IV and the other to Cycle III with potash mineralization, each thicker than 4m, and with potash contents from 17.1% KCl to 18.7% KCl. The cumulative potash seam thicknesses from drillhole BA-002 from Cycle III to Cycle VIII are almost 80m and have the potential to be amenable to solution mining. These promising results will be incorporated into the project database and will provide additional zones of potash mineralization for a Mineral Resource Estimate that will be based only on the northern part of the project which is currently in progress. We expect the maiden Mineral Resource Estimate to be released in coming weeks. This drill hole extension completed by Millennial Potash correlates very well with the historical drill core and other geological data. It also exceeds our expectations regarding the potash horizon thicknesses in the north.”

Drillhole BA-002 was extended from 516.25m to 552.5m for a total of 36.25m of both PQ and HQ sized core. The two new potash seams are interpreted as part of Cycle IV and Cycle III in the evaporite basin and are comprised of pervasive bright red nodular carnallite with minor laminated interbeds and interstices of halite in the carnallite masses (Fig.2,3). Table 1 summarizes the composited sample results for the carnallite seams in the extension of BA-002 and given the near horizontal nature of the basin geology and bedding intersected true widths are interpreted as being drilled widths. The zones between the two cycles are characterized by continuous near horizontal, laminated bedded halite (Fig. 2) and halite rich in insoluble material at the base of Cycle IV. The addition of potash Cycles IV and III in hole BA-002 increases the cumulative thickness of potash zones that are potentially amenable to solution mining to 79.6m. In addition, the presence of Cycles IV and III enhances the tonnage potential for the project and given the strong correlation of geology and potash cycles between the upper parts of holes BA-002 and BA-003, the potential for the presence of Cycles IV and III throughout the basin in this area is considered very high. Data from extended hole BA-002 and hole BA-003, including re-sampling data, form the basis for a potential initial Mineral Resource Estimate (MRE) for the North Target which is currently in preparation by ERCOSPLAN Ingenieurgesellschaft Geotechnik und Bergbau mbH (“ERCOSPLAN”).



Fig. 2 Potash mineralization in drill core from BA-002 Extension showing nodular red carnallite and laminated halite attributed to Cycle IV (Hole Dip=90°).

BA-002	Dip=0°	Depth				KCl % to
	Seam #	From (m)	To (m)	Thickness (m)	KCl %	Carnallite %
Cycle VIII						
Sylvinite	1	262.90	264.85	1.95	18.9	
Sylvinite	2	272.40	276.15	3.75	15.3	
Sylvinite	3	280.20	282.30	2.10	24.6	
Sylvinite	4	284.35	287.05	2.70	25.2	
Cycle VII						
Sylvinite	1	324.25	325.45	1.20	26.3	
Carnallite	1	325.45	329.45	4.00	19.5	Mixed
Carnallite	2	354.39	358.19	3.80	14.0	52.1
Carnallite	3	361.64	363.39	1.75	12.0	44.7
Carnallite	4	364.79	366.04	1.25	13.2	49.2
Carnallite	5	368.79	370.29	1.50	13.9	51.8
Carnallite	6	374.69	376.24	1.55	12.5	46.7
Carnallite	7	387.76	390.86	3.10	13.1	48.8
Carnallite	8	394.41	396.96	2.55	15.1	56.3
Carnallite	9	400.71	406.06	5.35	14.2	52.8
Carnallite	10	409.66	417.16	7.50	13.7	51.1
Qumulative (2-10)	Carnallite			28.35	13.7	51.1
Cycle VI						
Carnallite	1	438.71	467.52	28.81	12.1	45.7
Cycle V						
Carnallite	1	481.80	491.85	10.05	12.0	44.8
Carnallite	2	496.35	498.25	1.90	16.7	62.1
Carnallite	3	499.50	501.05	1.55	15.2	56.6
BA-002-EXT 2023						
Cycle IV						
Carnallite	1	518.34	522.50	4.16	17.0	63.5
Cycle III						
Carnallite	1	529.14	533.90	4.76	18.7	69.8
TOTAL CUMULATIVE				79.58	13.5	50.3

Table 1. Summary of Resampling of BA-002 and the extension of BA-002 in 2023.



Fig. 3 Potash mineralization in drill core from BA-002 Extension showing nodular red carnallite with banded bedded halite attributed to Cycle III.

The Phase 1 drill program at Banio remains in progress with additional drilling planned at the North Target including the extension of BA-001 and the drilling of new hole BA-004. The drill rig experienced mechanical difficulties during the retrieval of PQ rods in BA-002 and is currently undergoing minor repairs. Drilling is expected to resume later in Q4, 2023.

QA/QC

Millennial Potash employees follow standard operating and quality assurance procedures intended to ensure that all sampling techniques and sample results meet international reporting standards. Procedures for handling core samples begin with securing the potash-bearing PQ-HQ-sized core at the drill site in plastic poly-tubing which is then thermally sealed. Core is placed in plastic core boxes and transported to Millennial's camp for geological logging, detailed geotechnical logging, and photographing. Significant intervals are dry cut in half for HQ core or quartered for PQ core, using a specially modified tungsten carbide bladed core saw. Half (HQ size) and quarter core (PQ size) samples are then double bagged and thermally sealed prior to transporting to Libreville by Millennial personnel. The remaining core is re-sealed in plastic poly-tubing and the core boxes secured at Millennial's exploration camp in air-conditioned containers to prevent deterioration of the potash minerals. Upon arrival in Libreville core samples are stored at Millennial's storage facility and then taken to the Gabon Ministry of Mines & Energy where permission is obtained to export the samples. The bagged samples are then carefully packed into wooden crates and shipped via DHL to the Saskatchewan Research Council (SRC) in Saskatoon. This sampling procedure was initiated by ERCOSPLAN Ingenieurgesellschaft Geotechnik und Bergbau mbH, Millennial's potash consulting firm, supervised by Millennial's Chief Executive Officer Jason Wilkinson, M.Sc., Sebastiaan van der Klauw, EurGeol from ERCOSPLAN, and periodically reviewed by Millennial Director, Peter J. MacLean, Ph.D., P. Geo.

Millennial is utilizing SRC's Potash ICP Analysis package designed for multi-element analysis of potash samples. Upon arrival at SRC Geoanalytical Laboratories, core samples are dried,

and jaw crushed to 95 % @ -2mm and 100 g sub sample is split out using a riffler and transferred to vials. The subsample is pulverized to 95 % @ -106 microns using a puck and ring grinding mill to create a pulp. The grinding mills are cleaned between groups using Quintus quartz. The pulp is then transferred to a labelled plastic snap top vial. An aliquot of pulp is placed in a test-tube with 15 ml of 30°C DI water. The sample is shaken. The soluble solution is then analyzed by ICP-OES. The method is suitable for the soluble analysis of commercial potash (Sylvite and Carnallite). The samples are analysed for FeO (wt%), K₂O, Na₂O, MgO, and CaO and a suite of trace elements. Br and Cl are determined using ICP-MS and a gravimetric determination of the insoluble content for each sample is made. Millennial/ERCOSPLAN did not insert blanks due to the limited number of samples, but this will be part of the Company's sampling protocol in future drill programs. SRC's internal protocol includes the insertion of internal standards and repeats, and review of this data shows no significant deviation from the accepted values. SRC Geoanalytical Laboratories has been certified by the Standards Council of Canada (SCC) to conform to the requirements of ISO/IEC 17025:2005 (CAN-P-4E).

This news release has been reviewed by Sebastiaan van der Klauw, EurGeol, of ERCOSPLAN and Peter J. MacLean, Ph.D., P. Geo, Director of the Company, and both are Qualified Persons as that term is defined in National Instrument 43-101.

To find out more about Millennial Potash Corp. please contact Investor Relations at (604) 662-8184 or email at info@millennialpotashcorp.com.

MILLENNIAL POTASH CORP.

"Farhad Abasov"
Chair of the Board of Directors

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