

# **Panoro Minerals Intersects 221.5 m at 1.13% Cueq, Cotabambas Project, Peru**

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VANCOUVER, Jan. 3, 2023 - [Panoro Minerals Ltd.](#) (TSXV: PML) (Lima: PML) (Frankfurt: PZM) (OTCQB: POROF) ("Panoro Minerals" or the "Company") is pleased to announce results of five additional drill holes from its Cotabambas exploration program. The primary objective of the program is to expand the high-grade component of the resource and upgrade inferred resources to indicated resources. The Company is also evaluating the potential to upgrade the resource to reserve category at the Company's Cotabambas Cu/Au/Ag Project in southern Peru. The highlighted intersections are presented in the table below.

Drillhole Location Intersection (m) Cueq%<sup>1</sup>

CB-204 South Pit	317.5	0.56
	95.0	0.83
	44.0	0.71
CB-205 North Pit	79.2	1.05
CB-206 North Pit	341.7	0.91
	115.6	2.02
	68.6	2.93
CB-207 North Pit	290.2	0.55
	153.6	0.69
	89.7	1.01
	35.7	1.50
CB-208 South Pit	404.0	0.48
	66.5	0.91
	122.8	0.61

The principal conclusions from the drill results are summarized as follows, see Figures 1 and 2 for drillhole locations:

- Drillhole CB-204 intersected 317.5 m of hypogene copper mineralization grading 0.56% Cueq below the current limit of the South Pit, including 113 m of a porphyry stock, with 95.0 m grading 0.44% Cu, 0.45 g/t Au, 3.13 g/t Ag (0.83% Cueq) and 44.0 m averaging 0.38% Cu, 0.38 g/t Au, 2.71 g/t Ag (0.71% Cueq)
- Drillhole CB-205 at the North Pit was terminated at a shallow depth of 122.9 m due to water flow from the drillhole. The drillhole intersected 79.2 m averaging 0.65% Cu, 0.44 g/t Au, 5.19 g/t Ag (1.05% Cueq) of hypogene copper mineralization. The hole will be recollared and drilled to the east
- Drillhole CB-206 delineated the extension of the high-grade zone to near surface at the west side of the North Pit. The drillhole intersected 341.7 m of primary copper sulphides averaging 0.56% Cu, 0.40 g/t Au, 2.75 g/t Ag, (0.91% Cueq) related to multiple dikes, including 115.6 m averaging 2.02% Cueq and 68.6 m with 2.93% Cueq
- Drillhole CB-207 results delineate 290.2 m of hypogene copper mineralization in the North Pit averaging 0.55% Cueq, including intervals of 153.6 m grading 0.69% Cueq, 89.7 m averaging 1.01% Cueq and 35.7 m grading 1.50% Cueq on a porphyry stock exposed in this section with 87 m width
- Drillhole CB-208 intersected 404.0 m of hypogene copper mineralization below the existing limits of the South Pit averaging 0.48% Cueq, including intervals of 66.5 m grading 0.44% Cu, 0.54 g/t Au, 3.68 g/t Ag (0.91% Cueq), and 122.8 m grading 0.37% Cu, 0.27 g/t Au, 2.42 g/t Ag (0.61% Cueq), hosted in a porphyry stock of 321 m width of quartz monzonite that still open at depth.

Luquman Shaheen, CEO of Panoro Minerals states, "The drill results continue to fortify the potential for increasing the size of the high-grade zone at both the North and South Pit. The drilling indicates continuity at depth to below the limits of the pit and the local structure controls and correlation to geophysics results are serving as a good tool to trace the mineralization along the strike. Mineralization intercepts from 100 m to over 300 m with grades ranging from 0.91% Cueq to 2.02% Cueq reflect well on the potential of the project."

high-grade potential. The high-grade zone at the south pit is now traced to over 550 depth, well below the PEA pit shell. The porphyry is increasing significantly in thickness with depth. We look forward to announcing additional results as they are drilled and analyzed."

## DISCUSSION OF RESULTS

The purpose of Holes CB-205, CB-206 and CB-207 was to infill the area of high grade inferred resources targeting and upgrading the indicated category in the high-grade zone located in the south area of the North Pit. The continuity of this high-grade zone is open at depth and along strike to the south (see Figure 1).

The goal of the CB-204 and CB-208 was to step out the high-grade Cu-Au mineralization to the south, south-east and along strike from the South Pit. Each hole was stepped out approximately 100m from previous drillholes targeting the addition of indicated resources (see Figure 2).

The more significant mineralization intercepts from the five drillholes are summarized in the table below.

Drillhole	From (m)	To (m)	Metres	Cu (%)	Au g/t	Ag g/t	Cueq% <sup>1</sup>	Zone
CB-204	277.8	595.3	317.5	0.30	0.30	2.31	0.56	Primary
including	332.8	427.8	95.0	0.44	0.45	3.13	0.83	Primary
" "	370.0	426.3	56.3	0.47	0.52	3.56	0.92	Primary
" "	494.2	538.1	44.0	0.38	0.38	2.71	0.71	Primary
CB-205	43.7	122.9	79.2	0.65	0.44	5.19	1.05	Primary
including	77.6	122.9	45.3	0.90	0.57	5.46	1.41	Primary
CB-206	3.8	345.4	341.7	0.56	0.40	2.75	0.91	Primary/Mixed
including	3.8	46.3	42.6	0.63	0.63	4.94	1.18	Mixed
" "	46.3	267.8	221.5	0.71	0.49	2.97	1.13	Primary
" "	46.3	161.9	115.6	1.25	0.90	5.03	2.02	Primary
" "	46.3	114.9	68.6	1.80	1.32	6.93	2.93	Primary
CB-207	34.2	324.3	290.2	0.34	0.23	2.97	0.55	Primary/Mixed
including	2.1	34.2	32.1	0.24	0.09	1.42	0.33	Mixed
" "	34.2	80.1	45.9	0.32	0.14	4.67	0.48	Primary
" "	117.4	271.0	153.6	0.39	0.33	3.18	0.69	Primary
" "	117.4	207.1	89.7	0.56	0.51	4.06	1.01	Primary
" "	127.7	163.3	35.7	0.79	0.82	4.88	1.50	Primary
CB-208	228.3	632.3	404.0	0.27	0.24	2.20	0.48	Primary
including	350.0	416.5	66.5	0.44	0.54	3.68	0.91	Primary
" "	459.8	582.6	122.8	0.37	0.27	2.42	0.61	Primary

1. Cueq grade is estimated at commodity prices of Au=USD 1771/oz, Ag=USD 20.13/oz and Cu=USD 3.50/lb. **350m SOUTH PEA PIT**

Drillhole CB-204 delineates the continuity of the high-grade zone to a depth of 200 m to 400 m below the high-grade zone of the North Pit.

intercepted CB-198 previously announced in the section 5W and to below the limits of the PEA South Pit. After crossing and andesite in the hanging wall, the drillhole intersected from depths of 277.8 m to 595.3 m the hypogene copper mineralization or 317.5 m averaging 0.30% Cu, 0.30 g/t Au, 2.31 g/t Ag (0.56% Cueq), including two intervals of 95.0 m grading 0.44% Cu, 0.38 g/t Au, 3.13 g/t Ag (0.83% Cueq.) and 44.0 m averaging 0.38% Cu, 0.38 g/t Au, 2.71 g/t Ag (0.71% Cueq). The quartz stockwork containing chalcopyrite with minor pyrite is centered by a porphyry stock of 113 m width, developing the mineralization in the hanging and foot walls, with potassic alteration, and composed of orthoclase, secondary biotite, chlorite, and magnetite. See cross section in Figure 3.

Drillhole CB-208 delineated mineralization at the PEA life of mine average grade, some 100 m to 300 m below the CB-204 and below the PEA pit limits and also 100 m to the northeast of CB-204, in the section 4W. This hole identified 321 m of the stockwork of quartz monzonite composition intruding the diorite host rock, intersecting 404.0 m averaging 0.27% Cu, 0.24 g/t Au, 1.81 g/t Ag (0.48% Cueq), of which almost 95% is hosted in the porphyry stock. The intersection includes two intervals of 66.5 m averaging 0.44% Cu, 0.54 g/t Au, 3.68 g/t Ag (0.91% Cueq), and 122.8 m averaging 0.37% Cu, 0.27 g/t Au, 2.42 g/t Ag (0.61% Cueq) located inside the porphyry stock domain. The hole was terminated in the porphyry domain, so the limits of the stockwork are not known. See cross section in Figure 4.

The drillholes CB-204 and CB-208 are defining the continuity of the high grade zone to over 550 m depth to below the limits of the PEA pit and extending to the current resources pit-shell. The results confirm a plunge of the high grade and the principal porphyry stockwork in the south-southeast direction, where the drilling exploration is still in progress.

## NORTH PEA PIT

Drillhole CB-205 was terminated at a depth of 122.9 m due to water flow. The drillhole was recollared to the east, CB-206, where the target mineralization was recently crossed and assaying is in progress. CB-205 intersected 42 m of the porphyry stockwork and expanding to the hanging wall containing 79.2 m of primary copper sulphide grading 0.65% Cu, 0.44 g/t Au, 5.19 g/t Ag (1.41% Cueq) including, inside the porphyry, 45.3 m averaging 0.90% Cu, 0.57 g/t Au, 5.46 g/t Ag (1.41% Cueq). See the cross section in Figure 5.

Drillhole CB-206 located 200m to the northwest of the drillhole CB-205, at the same cross section 8E. This infill hole provides the definition of the high-grade distribution to the west side of the North Pit, intersecting 342m length of primary copper sulphide grading 0.56% Cu, 0.40 g/t Au, 2.75 g/t Ag, (0.91% Cueq) related to a swarm of porphyry dikes of quartz monzonite composition intruding the diorite host rock. The intersection includes 42.6 m of copper oxides and mixed mineralization averaging 0.63% Cu, 0.63 g/t Au, 4.94 g/t Ag (1.18% Cueq), underlain by 221.5 m of primary copper sulphides grading 0.71% Cu, 0.49 g/t Au, 5.03 g/t Ag (1.13% Cueq) including two intervals of 115.6 m averaging 1.25% Cu, 0.90 g/t Au, 5.03 g/t Ag (2.02% Cueq) and 68.9 m averaging 1.80% Cu, 1.32 g/t Au, 6.93 g/t Ag (2.93% Cueq). See the cross section in Figure 5.

Drillhole CB-207, an infill drillhole located 100 m to the northeast of the hole CB-205. The hole delineated copper mineralization 450 m below the surface in the North Pit. The results from CB-207 delineate 290.2 m of mixed and hypogene copper mineralization averaging 0.34% Cu, 0.23 g/t Au, 2.97 g/t Ag (0.55% Cueq) including intervals of 153.6 m of primary copper sulphides grading 0.33% Cu, 0.33 g/t Au, 3.18 g/t Ag (0.69% Cueq), including 35.7 m averaging 0.79% Cu, 0.82 g/t Au and 4.88 g/t Ag (1.50% Cueq) centered by a porphyry stock exposed with 87m width in the section 9E. See cross section in Figure 6.

## EXPLORATION MODEL

In the North and South pits the high-grades of Cu-Au intersections are typically centered by the quartz-monzonite porphyry stockwork contact with the diorite host rock and following the local structural controls striking north-northeast to north-south, over an area of approximately 3 km by 1.8 km. The mineralization is composed of a swarm of porphyry dikes typically when the porphyry stockwork is nearby or below, as shown by some drillholes along the cross sections.

The drilling at the South Pit is confirming the geophysics signatures delineating the north and south extensions of the mineralization. A preferential plunge of the hypogene mineralization is observed and controlled by staggered gravitational structures.

The Company continues with the infill drilling program in the North Pit and the step out drilling program in the South Pit, to incorporate new high grade mineral resources and upgrade inferred resources to indicated category. In parallel, the re-interpretation of drillholes and updates of the geologic modelling are progressing towards a more robust revision of the exploration model. The drilling campaign started in April 2022 and to date has accumulated over 10,000 m of a plan of the planned 16,970 m, of which 4,731 m in the North Pit and 5,300 m in the South Pit.

Finally, Panoro is preparing a group of platforms for start the exploration drilling in a Cu-Au Skarn target located near to the South Pit.

## SOCIAL ENGAGEMENT

Also, Panoro is pleased to announce our Christmas celebrations in the communities of Cochapata, Ccalla, Ccarancca, Guacile and in the Cotabambas district with the schoolchildren of Santa Rita, San Martin, Angelitos de Jesus and Cunamas Schools. Panoro continues to advance social programs in harmony with the local communities. The company will remobilize the drilling program in early January following the cessation for the Christmas and New Year's break.

#### About Panoro

Panoro is a uniquely positioned Peru-focused copper development company. The Company is advancing its flagship Copper-Gold-Silver Project located in the strategically important area of southern Peru.

The Company's objective is to complete a Prefeasibility study in 2023 with work programs commencing in Q1 2022.

At the Cotabambas Project, the Company will first focus on delineating resource growth potential and optimizing metallurgical recoveries. These objectives are expected to further enhance the project economics as part of the Prefeasibility studies in 2022 and 2023. Exploration and step-out drilling from 2017, 2018 and 2019 have already identified the potential for both copper and sulphide resource growth.

#### Summary of Cotabambas Project Resources

Project	Resource Classification	Million Tonnes	Cu (%)	Au (g/t)	Ag (g/t)	Mo (%)	CuEq %
Cotabambas <sup>1</sup>	Indicated	117.1	0.42	0.23	2.74	0.001	0.59
Cu/Au/Ag	Inferred	605.3	0.31	0.17	2.33	0.002	0.44
@ 0.20% CuEq cutoff, effective October 2013, Tetratech							

1. Cotabambas Project, Apurimac, Peru, NI 43-101 Technical Report on Updated Preliminary Economic Assessment, amec foster wheeler and Moose Mountain Technical Services, 22 September 2015

A PEA has been completed for the Cotabambas Project; the key results are summarized below:

#### Summary of Cotabambas Project PEA Results

Key Project Parameters			Cotabambas Cu/Au/Ag Project <sup>1</sup>
Process Feed, life of mine	million tonnes		483.1
Process Feed, daily	tonnes		80,000
Strip Ratio, life of mine			1.25 : 1
Before Tax <sup>1</sup>	NPV7.5%	million US\$	1,053
	IRR	%	20.4
	Payback	years	3.2
After Tax <sup>1</sup>	NPV7.5%	million US\$	684
	IRR	%	16.7
	Payback	years	3.6
Annual Average Payable Metals	Cu	thousand tonnes	70.5
	Au	thousand ounces	95.1
	Ag	thousand ounces	1,018.4
	Mo	thousand tonnes	-
Initial Capital Cost	million US\$		1,530

1. Project economics estimated at commodity prices of; Cu = US\$ 3.00/lb, Au = US\$ 1,250/oz, Ag = US\$ 18.50/oz, Mo = US\$ 12/lb

PEAs are considered preliminary in nature and include Inferred Mineral Resources that are considered too speculative to have the economic considerations applied that would enable classification as Mineral Reserves. There is no certainty that the conclusions within the PEAs will be realized. Mineral Resources are not Mineral Reserves and do not have demonstrated economic viability.

Luis Vela, a Qualified Person under National Instrument 43-101, has reviewed and approved the scientific and technical information in this press release.

On behalf of the Board of [Panoro Minerals Ltd.](#)

Luquman Shaheen. M.B.A., P. Eng, P.E.  
President & CEO

**CAUTION REGARDING FORWARD LOOKING STATEMENTS:** Information and statements contained in this news release that are not historical facts are "forward-looking information" within the meaning of applicable Canadian securities legislation and involve risks and uncertainties.

Examples of forward-looking information and statements contained in this news release include information and statements with respect to:

- Panoro delineating growth potential at the Cotabambas Project, while optimizing project economics.
- mineral resource estimates and assumptions; and
- the PEAs, including, but not limited to, base case parameters and assumptions, forecasts of net present value, internal rate of return and payback.

Various assumptions or factors are typically applied in drawing conclusions or making the forecasts or

projections set out in forward-looking information. In some instances, material assumptions and factors are presented or discussed in this news release in connection with the statements or disclosure containing the forward-looking information and statements. You are cautioned that the following list of material factors and assumptions is not exhaustive. The factors and assumptions include, but are not limited to, assumptions concerning: metal prices and by-product credits; cut-off grades; short and long term power prices; processing recovery rates; mine plans and production scheduling; process and infrastructure design and implementation; accuracy of the estimation of operating and capital costs; applicable tax and royalty rates; open-pit design; accuracy of mineral reserve and resource estimates and reserve and resource modeling; reliability of sampling and assay data; representativeness of mineralization; accuracy of metallurgical test work; and amenability of upgrading and blending mineralization.

Forward-looking statements are subject to a variety of known and unknown risks, uncertainties and other factors which could cause actual events or results to differ materially from those expressed or implied by the forward-looking statements, including, without limitation:

- risks relating to metal price fluctuations
- risks relating to estimates of mineral resources, production, capital and operating costs, decommissioning, or reclamation expenses, proving to be inaccurate
- the inherent operational risks associated with mining and mineral exploration, development, mine construction and activities, many of which are beyond Panoro's control
- risks relating to Panoro's or its partners' ability to enforce legal rights under permits or licenses or risk that Panoro's partners will become subject to litigation or arbitration that has an adverse outcome
- risks relating to Panoro's or its partners' projects being in Peru, including political, economic, and regulatory instability
- risks relating to the uncertainty of applications to obtain, extend or renew licenses and permits
- risks relating to potential challenges to Panoro's or its partners' right to explore or develop projects
- risks relating to mineral resource estimates being based on interpretations and assumptions which may result in IFRS production under actual circumstances
- risks relating to Panoro's or its partners' operations being subject to environmental and remediation requirements that increase the cost of doing business and restrict operations
- risks relating to being adversely affected by environmental, safety and regulatory risks, including increased regulation or delays and changes of law
- risks relating to inadequate insurance or inability to obtain insurance
- risks relating to the fact that Panoro's and its partners' properties are not yet in commercial production; and
- risks relating to fluctuations in foreign currency exchange rates, interest rates and tax rates
- risks relating to Panoro's ability to raise funding to continue its exploration, development, and mining activities; and
- counterparty risk under Panoro's agreements.

This list is not exhaustive of the factors that may affect the forward-looking information and statements contained in this news release. Should one or more of these risks and uncertainties materialize, or should underlying assumptions prove incorrect, actual results may vary materially from those described in the forward-looking information. The forward-looking information contained in this news release is based on beliefs, expectations, and opinions as of the date of this news release. For the reasons set forth above, readers are cautioned not to place undue reliance on forward-looking information. Panoro does not undertake to update any forward-looking information and statements included herein, except in accordance with applicable securities laws.

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