

# **Clean Air Metals Reports Drill Results including 19m grading 2.04g/t Platinum, 2.52g/t Palladium, 0.87% Copper and 0.45% Nickel in Hole ELR22-145**

02.08.2022 | [CNW](#)

THUNDER BAY, Aug. 2, 2022 - [Clean Air Metals Inc.](#) ("Clean Air Metals" or the "Company") (TSXV: AIR) (FRA: CKU) (CLRMF) is pleased to announce new assay results from the 2022 drill campaign from both the Escape and Current PG Deposits at the Company's Thunder Bay North Project near Thunder Bay, Ontario, Canada (the "Project").

New assay highlights from the Escape deposit area includes (Table 1):

- Infill Hole ELR22-145 which intersected 19.0m grading 2.04g/t Platinum (Pt), 2.52g/t Palladium (Pd), 0.87% Copper (Cu), 0.45% Nickel (Ni) from 516.0m-535.5m downhole, including 5.0m grading 2.56g/t Pt, 3.22g/t Pd, 1.17% Cu and 0.45% Ni from 518.0-523.0m downhole and increases the known dimensions of the Escape High Grade Zone ("HGZ") (Figure 1).

New assay highlights from the Current deposit area includes (Table 1):

- Metallurgical bulk sample Hole CLM22-005 (HQ core) which intersected 12.0m grading 2.28g/t Platinum (Pt), 2.14g/t Palladium (Pd), 0.45% Copper (Cu) and 0.32% Nickel (Ni) from 142.0m-154.0m downhole including 2.0m grading 2.28g/t Pt, 4.60g/t Pd, 1.01% Cu and 0.84% Ni from 144.0-146.0m downhole (Figure 2) which provides validation to the grade profile of the production area in Years 1-4 of the PEA mine plan;
- Metallurgical bulk sample Hole CLM22-006 (HQ core) which intersected 24.2m grading 1.85g/t Platinum (Pt), 1.84g/t Palladium (Pd), 0.46% Copper (Cu) and 0.27% Nickel (Ni) from 150.0m-174.2m downhole (Figure 2).

Mineral resource endowment and platinum-equivalents are quoted pursuant the Preliminary Economic Assessment (the "PEA") set out in the technical report prepared by Nordmin Engineering Ltd. and titled "NI 43-101 Technical Report and Preliminary Economic Assessment for the Thunder Bay North Project, Thunder Bay, Ontario", effective December 1, 2021 and filed January 12, 2022. Nordmin as QP utilized 2-year trailing average metal price assumptions<sup>1</sup> for the updated mineral resource as a basis for the PEA.

<sup>1</sup> CRU 2-year metal price assumptions can be viewed in the following Link ( <a href="#">Click Here</a> )

Clean Air Metals featured in upcoming Renmark Virtual Road Shows

The Company is also pleased to announce that they will be participating in Renmark Financial Communications Inc.'s live Non-Deal Roadshow Series to discuss its latest investor presentation on Thursday, August 4, at 1PM PDT, and Tuesday, August 16, at 1:00PM PDT. [Clean Air Metals Inc.](#) welcomes stakeholders, investors, and other individual followers to register and attend this live event.

The presentation will feature Abraham Drost, CEO & Director. Topics to be covered will include the latest investor presentation followed by a live Q&A. Investors interested in participating in this event will need to register using the link below. As a result, registration for the live event may be limited, but access to the replay after the event will be on the company's investor page.

REGISTER HERE (using latest version of Google Chrome)

Thursday, August 4, 2022 (Los Angeles, CA)

<https://www.renmarkfinancial.com/events/renmark-virtual-non-deal-roadshow-tsx-v-air-otcqb-clrmf-2022-08-04-130000>

Tuesday, August 16, 2022 (Vancouver, BC)

<https://www.renmarkfinancial.com/events/renmark-virtual-non-deal-roadshow-tsx-v-air-otcqb-clrmf-2022-08-16-130000>

DRA Selected as PFS Metallurgical Process Provider

The Company again states that DRA AMERICAS INC ("DRA") is the successful bid under a request for proposal (RFP) for Pre-feasibility Metallurgical Testing and Process Plant Design for the Thunder Bay North Project. The DRA team has reviewed existing and historical metallurgical testing results and marketing studies culminating in the Preliminary Economic Assessment (PEA) by Nordmin Engineering, the technical report of which was filed on SEDAR on January 12, 2022. DRA will leverage its knowledge on standard crush, grind, flotation process design and smelter payabilities into the next phase of testing and metallurgical optimization, including amenability to hydrometallurgical recoveries of the main platinum, palladium, copper and silver commodity suite with rhodium, cobalt, gold and silver byproducts.

SLR Selected as PFS Mineral Resource Validation Service Provider

The Company has selected and contracted SLR Consulting through an RFP process to provide independent validation of the mineral resource estimates.

updated TBN Project resource estimate for the Pre-feasibility study. The updated resource estimate will include 53600 drilling completed on Escape deposit since the release of the March 4, 2021 Technical report and 6500m of additional drilling on the Current deposit since the cutoff date for the PEA.

#### Preliminary Economic Assessment (PEA)

The Company announced a comprehensive mine plan and cashflow model for both the Escape Deposit and Current Deposit as part of a PEA for the Current and Escape PGE-Cu-Ni Deposits of the Thunder Bay North Project on December 1, 2021. The Technical Report was filed on SEDAR on January 12, 2022

[https://cleanairmetals.ca/site/assets/files/5750/21015-01-pfs-0000\\_ni\\_43\\_101\\_pea\\_12jan2022.pdf](https://cleanairmetals.ca/site/assets/files/5750/21015-01-pfs-0000_ni_43_101_pea_12jan2022.pdf)

Table 1: New Insitu Assay Results Update - Escape HGZ and Current Metallurgical samples (Figure 1)

Hole ID	Company	From, m	To, m	Length, m	Pt+Pd (ppm)	Cu+Ni (%)	Pt (ppm)	Pd (ppm)	Cu (%)	Ni (%)
ELR22-145	AIR	458	505.2	47.2	2.02	0.64	0.88	1.14	0.42	0.22
ELR22-145	AIR	516	535	19.0	4.56	1.32	2.04	2.52	0.87	0.45
	*incl.	518	523	5.0	5.78	1.87	2.56	3.22	1.17	0.70
	*incl.	528	531	3.0	5.88	1.42	2.65	3.23	1.00	0.42
CL22-045	AIR	148	150	2.0	1.38	0.29	0.74	0.64	0.11	0.18
CL22-048	AIR	190	192	2.0	1.61	0.24	0.83	0.77	0.12	0.13
CL22-048	AIR	194	198	4.0	1.47	0.22	0.77	0.70	0.13	0.09
CL22-049	AIR	167	177.54	10.5	2.06	0.38	1.07	0.99	0.19	0.20
CLM22-005	AIR	142	154	12.0	4.43	0.77	2.28	2.14	0.45	0.32
	*incl.	144	146	2.0	9.00	1.84	4.40	4.60	1.01	0.84
	*incl.	150	152	2.0	5.82	0.77	3.14	2.68	0.54	0.23
CLM22-005	AIR	190	192	2.0	1.23	0.39	0.62	0.61	0.18	0.20
CLM22-006	AIR	150	174.2	24.2	3.69	0.73	1.85	1.84	0.46	0.27

Note:

- 1) All intercepts are estimated to be >95% of true width based on drill hole inclination
- 2) Mineralized intervals calculated at 1 ppm Pt+Pd cutoff
- 3) Metallurgical recoveries estimated at 95% Copper; 85% Sulphide Nickel (52% total Ni); 87% Palladium; 82% Platinum

Abraham Drost, CEO of Clean Air Metals stated that "the Escape and Current deposits continue to perform. Potential for high-grade mining head grades and proximity to infrastructure near the City of Thunder Bay and support of the affected First Nations communities for this sustainable green energy metal mix position the project well. These factors combined with DRA's focus on targeted on improving ore payabilities are critical to success of the project.

This infill drilling on the margins and extension of the Escape High Grade Zone (HGZ) and metallurgical bulk sampling

initially on Years 1-4 of the PEA mine plan on the Current Deposit continues to deliver strong results. The Lower Current Bridge Zones of the Current Deposit may be accessed 70m below surface and provide a strong start to mining at the Thunder Bay North Project, pursuant to the PEA mine plan. The Escape High Grade Zone (>5g/t Pt+Pd) is also identified as a high value potential mining area at the base of the Escape Deposit contributing feed to the mill at Year 4.5 of the PEA mine plan, per the recently delivered PEA technical report filed January 12, 2022."

Figure 1: New Drill Hole Intercepts in the Escape Deposit Area

[https://cleanairmetals.ca/site/assets/files/5809/elr\\_20220623\\_v2.png](https://cleanairmetals.ca/site/assets/files/5809/elr_20220623_v2.png)

Figure 2: New Drill Hole Intercepts in the Current Deposit Area

[https://cleanairmetals.ca/site/assets/files/5809/cl\\_20220623\\_v3.png](https://cleanairmetals.ca/site/assets/files/5809/cl_20220623_v3.png)

#### Annual General Meeting Results

The Company is pleased to announce that the shareholders of the Company approved all matters at its Annual General Meeting held on July 27, 2022, as follows:

(i)	the election of Abraham Drost, James Gallagher, Dean Chambers, Shannin Metatawabin, MaryAnn Crichton and Ewan Downie as directors of the Company for the ensuing year; and
(ii)	the appointment of Manning Elliott LLP as Auditor for the Company for the ensuing year.

To access the recording of the AGM, which includes a corporate presentation, please visit:

[https://momentum.adobeconnect.com/\\_a832732884/p4cjszn3bly/](https://momentum.adobeconnect.com/_a832732884/p4cjszn3bly/).

#### COVID Policy

Clean Air Metals continued to apply COVID-19 avoidance and personal protection measures for its geological staff, drill contractor and service suppliers. Personnel are required to self-monitor and self-isolate or elect to work from home. The Company closely follows Ontario Provincial Government COVID guidelines.

#### Qualified Person

Dr. Geoff Heggie, Ph.D., P.Geo., a Qualified Person under National Instrument 43-101 and Vice President - Exploration of the Company, has reviewed and approved all technical information in this press release.

#### Quality Assurance/Quality Control

Clean Air Metals uses ALS Global ("ALS"), a well-established and recognized mineral assay and geochemical analytical company. The Thunder Bay laboratory holds ISO-9000 accreditation; the Vancouver facility holds ISO-17025 registration.

All NQ-sized drill core is cut with a diamond-tipped saw blade with half of the core submitted to ALS for sample preparation and analysis. Core samples from selected intervals are individually bagged and tagged, gathered up in larger sealed poly bags and shipped to the sample prep facility in Thunder Bay, ON under custody of Clean Air Metals' personnel at all times. Sample preparation is completed at the ALS sample preparation facility located in Thunder Bay, ON and analysis is completed at the primary ALS assay laboratory located in Vancouver, B.C.

Clean Air Metals follows a documented quality control procedure for its core assay sampling program consisting of the inclusion of blind blanks, duplicates, and certified Palladium-Platinum and Copper-Nickel standards into the sample stream. The inclusion of these standards in the sample stream results in a minimum of 11% to 12% control sample frequency depending on the length of the sampled interval.

Gold, platinum, and palladium are analyzed using fire assay (FA) with an inductively coupled plasma mass spectrometer.

finish. Samples with grades above the optimal ICP-MS detection limits are analyzed using an optical emission spectroscopy method (ICP-OES).

Also, thirty-three (33) elements of each sample, including copper, nickel, silver, chromium, cobalt, and sulphur, are analyzed using a multi-element analytical method using the atomic emission spectroscopy (ICP-AES) technique following four-acid digestion of each sample. When samples have grades above the optimal detection limits for this analytical method, they are re-analyzed using a high-grade method consisting of either ICP-AES or atomic absorption spectrometry (AAS) techniques.

#### Indigenous Community Social and Economic Engagement

[Clean Air Metals Inc.](#) and its wholly-owned subsidiary Panoramic PGMs (Canada) Ltd. acknowledge that the Thunder Bay North Project is on the traditional territories of the Fort William First Nation, Red Rock First Nation and Biinjitiwabik Zaaging Anishinaabe First Nation. The parties together are the Cooperating Participants in a Memorandum of Agreement dated January 9, 2021 (press release January 11, 2021) and Exploration Agreement signed April 13, 2022 (press release April 14, 2022).

The Company appreciates the opportunity to work in these territories and remains committed to the recognition and respect for those who have lived, traveled, and gathered on the lands since time immemorial. Clean Air Metals is committed to respecting Indigenous heritage and remains committed to building, fostering and encouraging a respectful relationship with First Nations, Métis and Inuit peoples based upon principles of mutual trust, respect, reciprocity and collaboration in the spirit of reconciliation.

#### About Clean Air Metals Inc.

Clean Air Metals' flagship asset is the 100% owned, high grade Thunder Bay North Project, a platinum, palladium, copper and cobalt project located near the City of Thunder Bay, Ontario and the Lac des Iles Mine owned by Impala Platinum. The Thunder Bay North Project hosts the twin magma conduit bodies which host the Current and Escape deposits forming the basis for a robust economic assessment (PEA) filed January 12, 2002. The PEA of a ramp access underground mine and on-site 3600tpa processing complex and the 2-year trailing average price deck, features a pretax NPV5 of C\$425m and an IRR of 31% on initial capital of \$367m over a 10-year mine life.

Executive Chair Jim Gallagher and CEO Abraham Drost lead an experienced technical team who are using the Norilsk-style magma conduit stratigraphic and mineral deposit model to guide ongoing exploration and development prefeasibility studies for a low-carbon, all-electric sustainable mining operation at Thunder Bay North. As the former CEO of [North American Palladium Ltd.](#) which owned the Lac des Iles Mine prior to the sale to Impala Platinum in December 2019, Jim Gallagher and team are experienced with the mine turnaround and creation of significant value for shareholders.

#### ON BEHALF OF THE BOARD OF DIRECTORS

"Abraham Drost"

Abraham Drost, Chief Executive Officer of [Clean Air Metals Inc.](#)

Website: [www.cleanairmetals.ca](http://www.cleanairmetals.ca)

Neither the TSX Venture Exchange nor its Regulation Services Provider (as that term is defined in policies of the TSX Venture Exchange) accepts responsibility for the adequacy or accuracy of this release.

#### Cautionary Note

The information contained herein contains "forward-looking statements" within the meaning of applicable securities legislation, including statements regarding the potential of the Thunder Bay North Project and the Escape and Current deposits and the results of technical studies including prefeasibility studies and updated mineral resource estimates. Forward-looking statements are statements or information that is based on assumptions of management, forecasts of future results, and estimates of amounts not yet determined. Any statements that express predictions, expectations, beliefs, plans, projections, objectives, assumptions or intentions, whether explicit or implied, are forward-looking statements. Forward-looking statements are subject to a variety of risks and uncertainties which could cause actual events or results to differ from those reflected in the forward-looking statements, including, without limitation: political and regulatory risks associated with mining and exploration; risks related to the maintenance of stock exchange listings; risks related to environmental regulation and liability; the potential for changes in exploration or development activities or the completion of feasibility studies; the uncertainty of profitability; risks and uncertainties relating to the interpretation of drill results, the geology, grade and continuity of mineral deposits; risks related to the inherent uncertainty of production and cost estimates and the potential for unexpected costs and expenses; results of prefeasibility

feasibility studies, and the possibility that future exploration, development or mining results will not be consistent with the Company's expectations; risks related to commodity price fluctuations; and other risks and uncertainties related to the Company's prospects, properties and business detailed elsewhere in the Company's disclosure record. Should one or more of these uncertainties materialize, or should underlying assumptions prove incorrect, actual results may vary materially from those included in forward-looking statements. Investors are cautioned against attributing undue certainty to forward-looking statements. Forward-looking statements are made as of the date hereof and the Company does not assume any obligation to update them to reflect new events or circumstances, except in accordance with applicable securities laws. Actual events or results may differ materially from the Company's expectations or projection.

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content:<https://www.prnewswire.com/news-releases/clean-air-metals-reports-drill-results-including-19m-grading-2-04gt>

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