

# Clean Air Metals Reports Drill Results from the Escape Deposit

Including Hole 129 with 90.0m averaging  
1.04 g/t Platinum, 1.33 g/t Palladium,  
0.49% Copper, 0.28% Nickel

THUNDER BAY, ONTARIO, CANADA,  
April 27, 2022 /EINPresswire.com/ --  
Clean Air Metals Inc. ("Clean Air Metals"  
or the "Company") (TSXV: AIR; FRA:  
CKU; OTCQB: CLRMF) is pleased to  
announce new assay results from the  
2022 drill campaign from the Escape  
PGE-Cu-Ni Deposit at the Company's  
Thunder Bay North Project near  
Thunder Bay, Ontario, Canada (the  
"Project").

Hole ID	Company	From, m	To, m	Length, m	Pt+Pd (ppm)	Cu+Ni (%)	Pt (ppm)	Pd (ppm)	Cu (%)	Ni (%)
ELR22-127A	AIR	242.0	244.0	2.00	1.23	0.37	0.53	0.69	0.22	0.15
ELR22-128	AIR	151.5	153.1	1.60	1.43	0.14	0.69	0.75	0.08	0.06
ELR22-129	AIR	308.0	398.0	90.00	2.37	0.77	1.04	1.33	0.49	0.28
ELR22-129	**incl.	382.0	387.0	5.00	5.37	1.74	2.38	2.99	1.12	0.62
ELR22-129	AIR	406.0	417.0	11.00	2.82	1.02	1.30	1.52	0.69	0.32
ELR22-129	AIR	461.0	462.8	1.80	1.63	0.52	0.92	0.71	0.37	0.14
ELR22-130	AIR	321.8	327.7	5.95	1.42	0.46	0.66	0.77	0.25	0.21
ELR22-130	AIR	343.8	347.7	3.95	1.60	0.54	0.73	0.88	0.31	0.22
ELR22-131	AIR	290.5	293.3	2.80	1.95	0.21	0.91	1.04	0.13	0.08
ELR22-131	AIR	301.0	318.0	17.00	2.10	0.61	0.95	1.14	0.43	0.19
ELR22-131	AIR	334.0	363.0	29.00	2.25	0.76	1.00	1.25	0.44	0.32
ELR22-131	AIR	373.0	375.0	2.00	1.69	0.53	0.78	0.91	0.32	0.21
ELR22-131	AIR	381.0	385.0	4.00	2.96	0.94	1.38	1.59	0.64	0.31
ELR22-132	AIR	379.5	393.5	14.00	2.61	0.66	1.20	1.41	0.48	0.18
ELR22-133	AIR	325.7	373.0	47.30	2.25	0.70	1.02	1.24	0.43	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; 90% Sulphide Nickel (52% total Ni); 87% Palladium; 82% Platinum

Table 1: New Insitu Assay Results Update – Escape South Sail-Zone Extension

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

- Hole ELR22-129 which intersected 90.0m grading 1.04g/t Platinum (Pt), 1.33g/t Palladium (Pd), 0.49% Copper (Cu) and 0.28% Nickel (Ni) from 308.0m-398.0m downhole including 5.0m grading 2.38 g/t Platinum (Pt), 2.99g/t Palladium (Pd), 1.12% Copper (Cu) and 0.62% Nickel (Ni) from 382.0-387.0m downhole (Figure 1). This intercept hit a structural corridor termed the "Sail Zone" which transects the eastern edge of the Escape South High Grade Zone ("HGZ") and trends in a northwest orientation along the mineralized Escape Deposit trend.



recent infill drilling on the margins of the Escape South HGZ continues to deliver impressive assay results."

*Abraham Drost, CEO*

- Hole ELR22-131 which intersected 29.0m grading 1.00g/t Platinum (Pt), 1.25g/t Palladium (Pd), 0.44% Copper (Cu) and 0.32% Nickel (Ni) from 334.0m-363.0m downhole.

- Hole ELR22-133 which intersected 47.30m grading 1.02g/t Platinum (Pt), 1.24g/t Palladium (Pd), 0.43% Copper (Cu) and 0.27% Nickel (Ni) from 325.7m-373.0m downhole.

The Escape Deposit also underwent an additional 37,000m of expansion drilling in 2021, which has established continuity between the Escape South HGZ and the Escape North Zone and may add materially to the total Thunder Bay North Project Indicated insitu mineral resource (effective November 1, 2021) of 8.12 g/t PtEq in 14,553,324 million tonnes (reported December 1, 2021).

Mineral resource endowment and platinum-equivalents are quoted pursuant to the Technical Report and Mineral Resource Estimate for the Thunder Bay North Project, Thunder Bay, Ontario, with an effective date of January 20, 2021 (the "Technical Report"). The Technical Report was posted to SEDAR on March 4, 2021 and prepared by Nordmin Engineering Ltd.- QP Glen Kuntz, P.Geo. Ontario. Nordmin as QP utilized 2-year trailing average metal price assumptions for the updated mineral resource as a basis for the Preliminary Economic Assessment reported on December 1, 2021 and filed January 12, 2022.

### 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 related 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)

Abraham Drost, CEO of Clean Air Metals stated that "recent infill drilling on the margins of the Escape South HGZ continues to deliver impressive assay results. Under the results of the recent PEA press release, the Escape South HGZ (>5g/t Pt+Pd) is identified as a high value potential mining area at the base of the Escape Deposit in years commencing in Year 4 of the PEA mine plan, pursuant to the recently delivered PEA technical report (filed January 12, 2022).

The approximately 37,000m of previously reported drilling results from the Escape Deposit in 2021 and infill drilling on the PEA mine plan in 2022 will form part of an updated mineral resource for the Thunder Bay North Project to support prefeasibility studies. Assay results to date suggest good continuity of mineralization between sections along the 900m trend of mineralization between the Escape South HGZ and Escape North Zone where the PEA Escape deposit underground ramp development encounters the Escape Deposit pay zone at approximately 200m vertical depth." (Figure 1).

Figure 1: Drill Hole Intercepts in the Escape Deposit Area

<https://cleanairmetals.ca/site/assets/files/5790/figure-1-april-27-2022.jpg>

### COVID Policy

Clean Air Metals continued to apply COVID-19 avoidance and personal protection measures for its geological staff, drilling contractor and service suppliers. Personnel are required to self-monitor and self-isolate or elect to work from home. The Company closely follows 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 for 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 services 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 insertion of blind blanks, duplicates, and certified Palladium-Platinum and Copper-Nickel standards into the sample stream. The insertion procedure 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 spectrometry (ICP-MS) 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 by a multi-element analytical method using the atomic emission spectroscopy (ICP-AES) technique following four-acid digestion of the 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.

To view the full press release, please visit <https://cleanairmetals.ca/news-media/news-releases/>

Abraham Drost  
Clean Air Metals Inc.  
+1 807-252-7800

[email us here](#)

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