

Clean Air Metals Quarterly Newsletter

CAM_TBN_002 – Q1-2023 Quarterly update newsletter by Clean Air Metals.

The *Thunder Bay North Critical Minerals* (TBNCM) Project is located ~40km northeast of Thunder Bay, ON. It is a copper, nickel, platinum and palladium exploration project with two deposits near each other.

Pre-Feasibility: With the recent press release announcement on February 15, 2023 regarding a discrepancy with the published mineral resource estimate for the Thunder Bay North Project, work on the prefeasibility study has been mainly halted pending independent restatement of the resource at the Current Deposit by SLR Consulting. DRA Americas had been advancing metallurgical testing and preliminary flowsheet design for the future processing facility. BBA Engineering had kicked off initial work packages for the Pre-Feasibility study. These are now on hold pending news.

Exploration: New early exploration work permits have been applied for through the Ministry of Mines to cover programs planned for winter-spring of 2023. The winter exploration drill program as planned will test certain magnetotelluric (MT) targets that are located down plunge of the Escape and Current deposits. Spring and summer exploration programs will comprise of shallow holes to test bedrock and provide baseline data for hydrogeology studies.

Environmental Monitoring: Field data collection to establish a baseline is completed for 2022 and various consultants are busy analyzing the data and preparing reports. Topics include: Aquatic Environment; Surface

Water; Sediment and Benthic Invertebrates; Hydrology; Hydrogeology; Terrestrial Biology; and, Species at Risk. Clean Air Metals has expanded the Metals Leaching and acid rock drainage (ML-ARD) assessment work started in 2008 by adding additional on-site kinetic tests and initiating humidity cell laboratory testing work using ALS Laboratories specialized environmental laboratory in Burnaby, BC. This work is being completed under the supervision of expert geochemist Dr. Kevin Morin.



Photograph 1: View of meteorology station used to measure and record temperatures, wind direction and speed, humidity, barometric pressure and precipitation.

Rightsholder Engagement: CAM is continuing to meet regularly with Fort William First Nation, Red Rock Indian Band and Biinjitiwaabik Zaaging Anishinaabek. Productive meetings with Chief and Council from each

community were held between November 2022 and January 2023. At the Implementation Committee level, we continue to engage of regular topics of interest including mine development planning, workforce readiness, education and further exploration potential in the region.



Photograph 2: Breaking trail for winter water quality sample site access.

We continue to engage with Kiashke Zaaging Anishinaabek, Metis Nation of Ontario (Region 2) and Red Sky Metis Independent Nation and look forward to continued relationship building with each of these important communities.

In the Community: CAM has confirmed its sponsorship of the Outland Youth Employment Program (OYEP).

The CAM team is excited about participating in upcoming conferences, including:

- Prosperity Northwest – Thunder Bay, ON February 15, 2023
- Prospectors and Developers Association of Canada – Toronto, ON. March 5 to 8, 2023

Upcoming Programs: Work planned in winter and spring of 2022/23 consists of:

- Expanded surface water sampling, winter hydrogeological assessment, meteorology, socio-economic assessment and traditional knowledge study.
- Review of 2022 Environmental Baseline Study reports.
- Continued community engagement with planned Indigenous community meetings.

- Optimization of the mill recoveries, concentrate grade and smelter terms.
- Investigation of the ability of tailings to sequester carbon dioxide.
- Completion of a trade-off study on the all-electric mine taking advantage of our green electricity supply.



Photograph 3: Hydrometric station on the shore of Current River.

Contact Details: Feel free to reach out to Clean Air Metals with any questions or comments you may have about the project.

info@cleanairmetals.ca