

PUSHING THE BOUNDARIES OF EXPLORATION OF PRECIOUS METALS IN NORTH AMERICA



CSE: COMT OTC: CLLMF FSE: TOI

**INVESTOR PRESENTATION** 

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This material includes "forward-looking" statements or information within the meaning of Canadian securities legislation and the United States Private Securities Litigation Reform Act of 1995. Forward-looking statements relate to future events or the anticipated performance of Collective Metals Inc.. ("the Company" or "Collective Metals") and reflect management's expectations, objectives or beliefs regarding such future events and anticipated performance. In certain cases, forward-looking statements can be identified by the use of words such as "further" "suggests", "further evidence", "potentially", "possibly", "indicates" or variations of such words and phrases or statements that certain actions, events or results "may", "could", "would", "might", or "will

as "further" "suggests", "further evidence", "potentially", "possibly", "indicates" or variations of such words and phrases or statements that certain actions, events or results "may", "could", "would", "might", or "will be taken", "occur" or "be achieved", or the negative of these words or comparable terminology. Forward looking statements rely on a number of assumptions which management believes to be reasonable, including assumptions regarding the Company's ability to obtaining necessary financing, personnel, equipment and permits to complete its proposed exploration plans, and to identify additional battery metals properties for exploration.

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The information and content of a scientific or technical nature of the Princeton Project and the Uptown Gold Project contained in this corporate presentation has been prepared by or under the supervision of Rick Walker, P. Geo., for the purposes of National Instrument 43-IOI.

The information and content of a scientific or technical nature of the Landings Lake Property and the Whitemud Lake Property contained in this corporate presentation has been prepared by or under the supervision of Garry Clark, P. Geo., for the purposes of National Instrument 43-IOI.

### MANAGEMENT TEAM



#### **CHRISTOPHER HUGGINS**

**CEO AND DIRECTOR** 

Mr. Huggins, B.Sc. Honours Geology has over 25 years experience working with mining, technology, and capital equipment companies in management, business development and operational roles. His early career began working as a regional exploration geologist for Homestake around the Eskay Creek, Snip Mine, Stewart and Dease Lake Camps. Over the past decade, Mr. Huggins developed and delivered innovative capital equipment and financial solutions for surface and underground mining operations across NWT and Yukon, managed Global and National Caterpillar accounts while at Finning, and was formerly the President and COO of Crest Resources Inc. He is currently an independent director for Exploits Discovery Corp.



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#### **PAUL CHUNG**

**DIRECTOR** 

Mr. Paul Chung holds a Bachelor of Science Degree in Geology from the University of British Columbia and received a Master of Business Administration from Athabasca University. Mr. Chung is a co-founder of Altaley Mining Corporation, which owns two operating poly-metallic mines in Mexico. Mr. Chung was also on the team that discovered the Mariana lithium project located at Salar de Llullaillaco in Argentina, which is expected to produce 10,000 tonnes of lithium carbonate equivalent per year, for 25 years. Mr. Chung is a former director of Patriot Battery Metals Inc., one of the most significant lithium discoveries in North America.

#### **DEVIENNE MOK**

**CFO** 

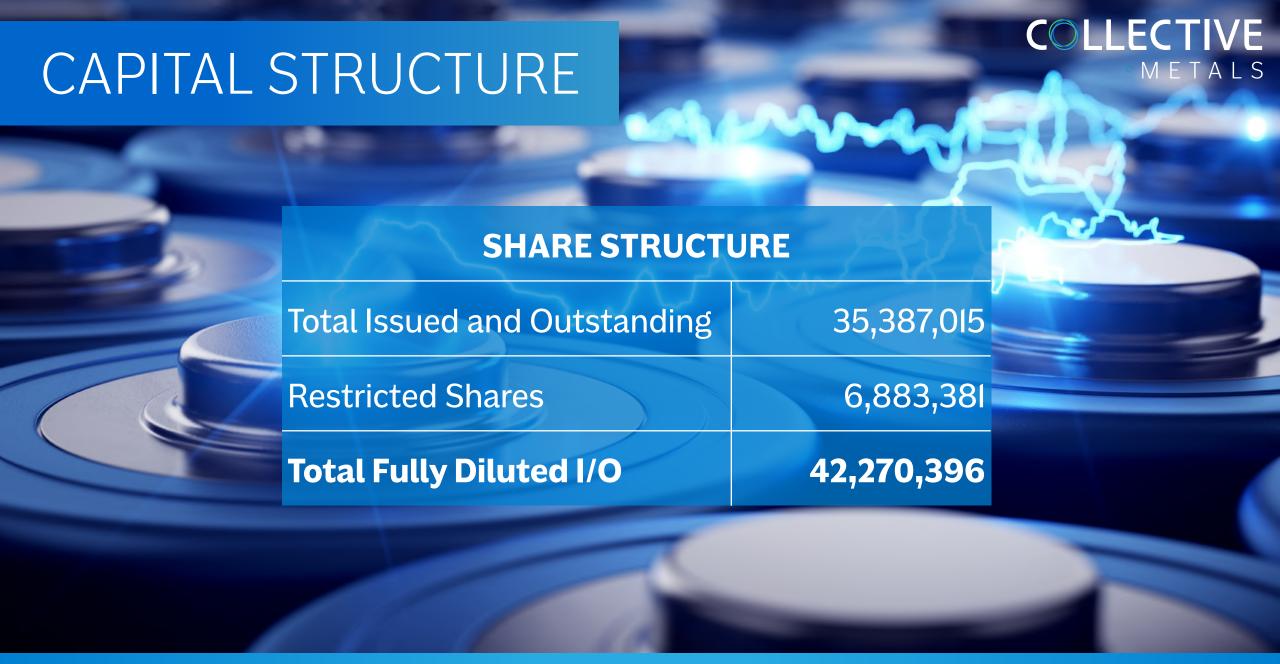
Ms. Mok is a seasoned accounting and auditing professional with extensive knowledge in IFRS and financial reporting. Throughout her audit career, she has worked with numerous public and going public companies across the junior mining, cannabis, technology, and life sciences sectors. Ms. Mok holds a Bachelor of Business Administration with a major in Accounting from the Beedie School of Business at Simon Fraser University, along with her CPA Professional Designation from CPA BC.

#### **MILOS MASNIKOSA**

**DIRECTOR** 

Graduated from the Richard Ivey School of Business. Financial Consultant formerly from corporate finance at Walmart Canada. Consulted for startups in the FinTech, and Cloud Computing space. Versed in Small Cap finance for several publicly traded mining companies.





# COMPANY OVERVIEW



LANDINGS LAKE

LITHIUM PROPERTY

Collective Metals is focused on the exploration and development of its three properties, the Princeton Project located in south-central British Columbia, where Collective Metals holds an option agreement to earn an undivided 70% interest of the 28,560 hectares project, the Landings Lake Lithium Property located in Ear Falls, Ontario, where it holds an option agreement to acquire 100% of the 3,147 hectares of land, the Whitemud Lake Property located in the Whitemud Lake Area of the Red Lake Mining Division in Northwestern Ontario.

WHITEMUD LAKE PROPERTY

PRINCETON PROJECT



### INVESTMENT HIGHLIGHTS



Princeton Project consists of 29 mineral tenures totaling approximately 28,560 hectares copper-gold project located in "elephant country" approximately 10 km west of Copper Mountain Mining Corporation's Copper Mountain Mine

Landings Lake Lithium Property
 consists of 8 claims comprising of 3,147
 hectares, with the property located 53
 KM east of Ear Falls, Ontario with good highway and logging road access.

The Whitemud Lake Property
consists of 381 single cell mining
claims totaling ~7,775Ha, located 41
KM Northeast of Ear Falls, Ontario,
making the property accessible by a
series of logging roads, or via helicopter.

Collective's properties are situated in regions that are **favorable for mining activities** and possess **pre-existing infrastructure** to facilitate **project advancement.** 

Collective Metals has diversified assets with a **copper-gold property** in British Columbia, and **two lithium properties** in Ontario.

Management team has a **proven track record** with a wealth of knowledge and experience in the mining industry.

\*Source: https://www.investontario.ca/mining#by-the-numbers)



### FLAGSHIP PROJECT

#### PRINCETON PROJECT HIGHLIGHTS

Located in "elephant country", with a high chance to have significant potential for discovery of another Copper-Gold ± Silver porphyry deposit

Collective Metals is now the second largest landholder in the area, consisting of 29 mineral tenures totaling approximately 28,560 ha (70,570 acres) in a well-documented and prolific copper-gold porphyry belt.

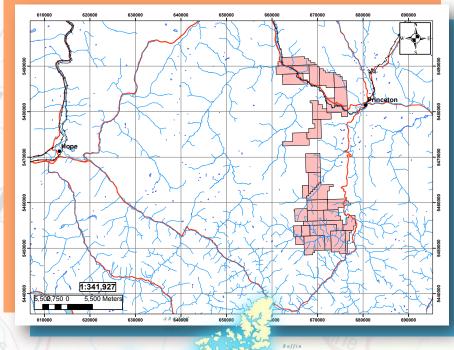
#### **Excellent infrastructure**

providing year-round access to the project

Approximately 10 km to the west of Copper Mountain Mine

Neighbouring peers Kodiak Copper's MPD property received a \$10.5 million investment by Teck Resources. In 2020 for their MPD property. Copper Mountain was recently acquired by Hudbay Minerals, for CDN \$439 million creating the 3rd largest Copper producer in Canada.











#### **OVERVIEW**

The project is located within a well established, well mineralized belt, within well documented "elephant country" suggesting that the project is interpreted to have significant potential for discovery of another Copper-Gold ± Silver porphyry deposit

The predominant feature of interest is a large, high intensity magnetic anomaly comparable to the magnetic anomaly associated with the Copper Mountain Mine area, located approximately IO km east

Regionally, the project lies within a very well documented, well established porphyry belt extending north from Copper Mountain, through the Iron Mask Batholith, Woodjam, Gibraltar, Mount Polley, Mt. Milligan and the Kemess North/South deposits to the Loraine deposit.

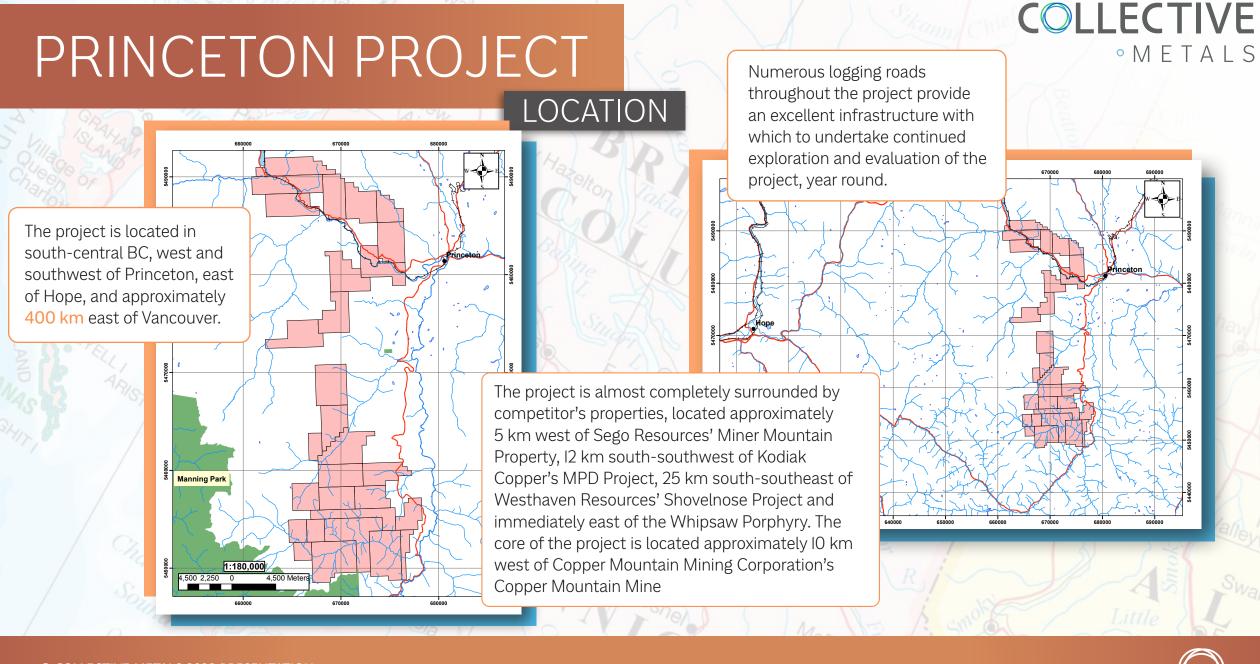
The Project is located in a **low-risk jurisdiction**, having high standards for environmental stewardship and community engagement.

PRINCETON PROJECT

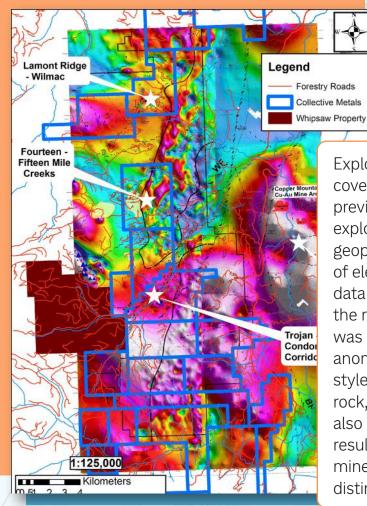
29 mineral tenures comprising of

**28,560** hectares

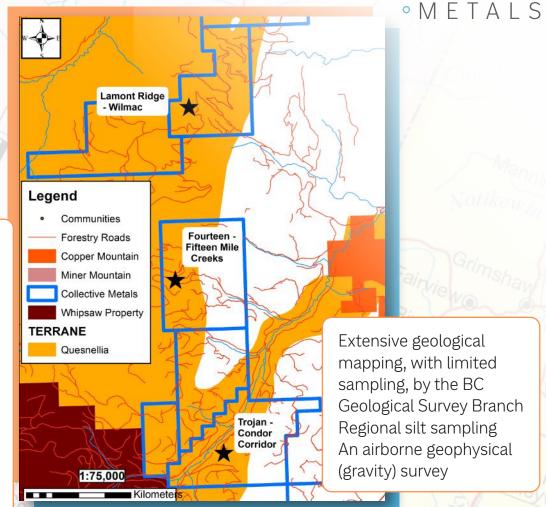




PREVIOUS WORK



Exploration and evaluation of the area covered by the current Princeton Project by previous operators include several extensive exploration programs including an airborne geophysical survey, consisting of acquisition of electromagnetic, magnetic and radiometric data over 1,533 line kilometres and covering the majority of the current project. The survey was interpreted to have detected numerous anomalous features supporting alkalic porphyrystyle mineralization. Extensive geochemical rock, soil and stream sediment surveys have also been completed, returning anomalous results supporting interpretation of underlying mineralized systems in many separate and distinct areas within the project.



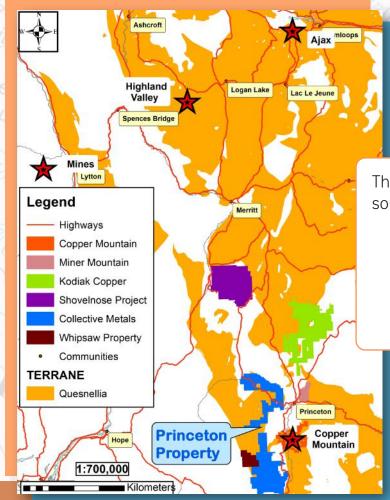
**COLLECTIVE** 

#### COPPER MOUNTAIN MINE



Copper Mountain Mine has entered into a definitive agreement with Hudbay Minerals, where Hudbay Minerals will acquire all of the issued and outstanding common shares of Copper Mountain Mining, which indicates that there is there could be significant copper-gold deposit on the Princeton Project.

Creates I50,000-tonnes-per-year copper producer with long-life mines and a world-class pipeline of organic copper growth projects



# APPROXIMATELY IOKM FROM PRINCETON PROJECT

The Copper Mountain Mine is located roughly 20 km south of Princeton, BC and has a 45,000 per day plant

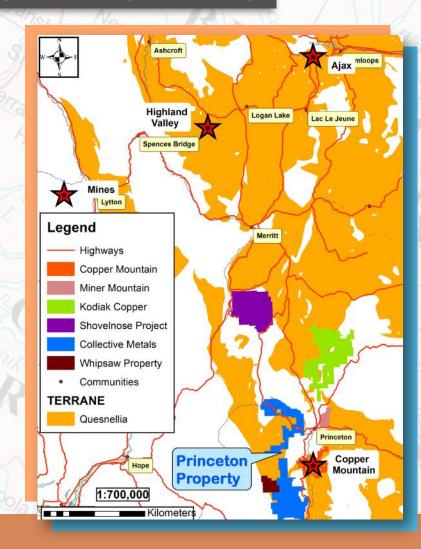
A new life of mine plan to expand the mill to 65,000 tonnes per day, further increases average annual production to I38 million pounds of copper equivalent and reduces all-in costs to US\$1.76 per pound of copper over the first 20 years of a 32 year mine life

#### ADJACENT PROPERTIES



#### KODIAK COPPER'S MPD PROPERTY

- Located approximately 30 km to the Northeast of the Princeton Project
- Secured a \$10.5 million investment from Teck Resources in September, 2020
- Historic drilling: 393 drill holes (50,357 m) completed since the 60's by previous operators. Copper and gold drill-confirmed across a large area. Mineralization from surface, historic drill holes rarely tested below 200m vertical depth
- Best intercept of 535m of 0.49% copper and 0.29 g/t gold (0.76% CuEq\*\*), including 282 m of 0.70% copper and 0.49 g/t gold (I.16% CuEq\*\*), including 45.7 m of I.41% copper and I.46 g/t gold (2.75% CuEq\*\*)



#### SAGO RESOURCES MINER MOUNTAIN

- Historical Drilling: Sego optioned property in 2007 and discovered & drilled the Cuba zone to include;
- •0.95% Cu & 0.55 g/t Au/I00 m: DDH 2I
- 0.41% Cu & 0.12 g/t Au/52.5 m: DDH 04
- •SEGO Resources intersects 0.95 g/t Gold over 80 m from the first drill hole (DDH 59) of their 2022 drill program in the Southern Gold Zone (June, 2022)
- SEGO RESOURCES INTERSECTS 74.5 m of 0.79 g/t GOLD and 80.5 m of 0.69 g/t GOLD INCLUDING I7.9 M OF I.27 g/t and 0.II% COPPER TO EXPAND THE SOUTHERN GOLD ZONE AT MINER MOUNTAIN PROJECT (January, 2022)







#### **OVERVIEW**

A muscovite-bearing granite, is host to the Property, an S-type peraluminous fertile parental granite according to Breaks et al., 2003.

The granitic body is in contact with metasediments which make excellent hosts to fractionating fertile parental granitic melts.

The Property occurs within I7 km of a subprovince terrane boundary, an integral relationship between lithium deposits and structure (Breaks et al., 2003).

PROPERTY

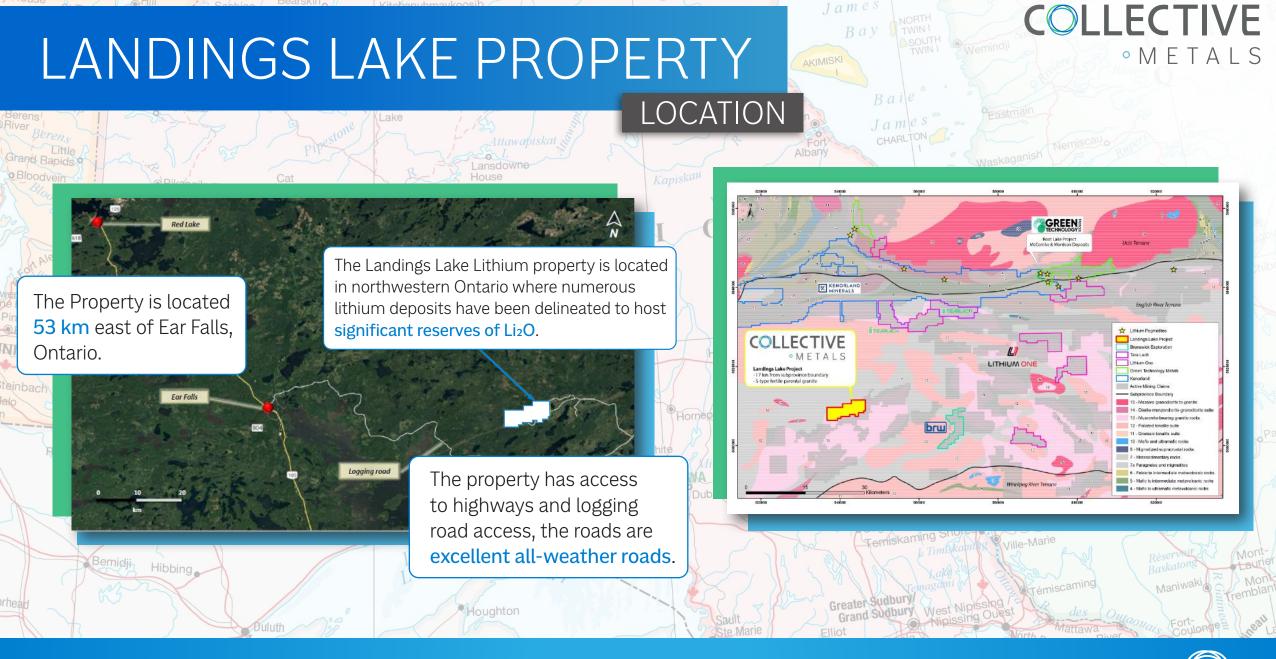
**LANDINGS LAKE** 

154 cells totaling

**8** claims compromising of

**3,146** hectares

Mapping by the OGS in 1959 noted numerous grey pegmatite occurrences in muscovite-bearing granites during lakeshore mapping in the eastern portion of the English River Subprovince. A southwesterly regional fault transects the Property making an excellent conduit for fractionating granitic melts.



PREVIOUS WORK AND ADJACENT PROPERTIES

The Landings Lake Lithium Property has been underexplored. Mapping by the OGS in 1959 noted numerous grey pegmatite occurrences in muscovite-bearing granites during lakeshore mapping in the eastern portion of the English River Subprovince. There has yet to be any work done on the economic potential of the pegmatites present.

Green Technology Metals (ASX: GTI) announced coarse spodumene concentrate produced at Seymour with lithium recovery exceeding 72% and hosts 9.9Mt grading I.044% Li<sub>2</sub>O and I37ppm  $Ta_2O_5$ 

GTI also announced **high-grade** assay results from extensive drilling from their Root Lake-McCombe Lithium deposit.

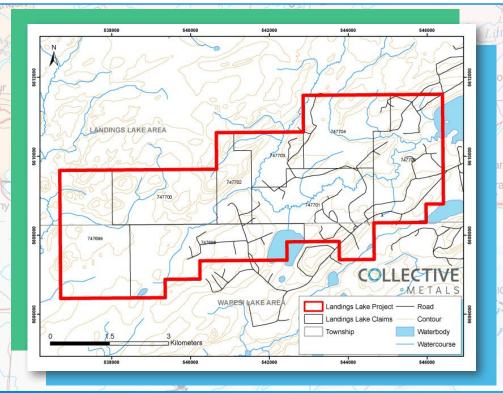
RL-22-004I: I5.9m @ I.I2% Li<sub>2</sub>O from 98.lm RL-22-0027: I2.3m @ I.34% Li<sub>2</sub>O from 3.4m RL-22-0035: I2.7m @ I.28% Li<sub>2</sub>O from 66.5m RL-22-0038: 8.4m @ I.I8% Li<sub>2</sub>O from 8I.5m.

Neighbouring, Frontier Lithium's (TSXV: FL) 'Electric Avenue SPARK deposit announced 18.8 million tonnes averaging 1.52% Li<sub>2</sub>O in the Indicated category and 29.7 million tonnes averaging I.34% Li<sub>2</sub>O in the Inferred category. Frontier Lithium's PAK Lithium Project encompasses 26,774 hectares along 65 km of Ontario's Electric Avenue with four spodumene-bearing pegmatites. GT1 Seymour Lake Li-Project Avalon Advanced Materials's (TSX: AVL) Separation Rapids property consists of 19 mineral claims and one mining lease **Lithium Property** covering a combined area of approximately 4,414 hectares with resources of 9.4Mt grading 1.35% Li<sub>2</sub>O. Separation Rapids Li Deposit Georgia Lake Li-pegmatite field The Georgia Lake pegmatite field with resources of I6+Mt grading I.15% Li<sub>2</sub>O is owned by Imagine Lithium and Ultra Lithium.

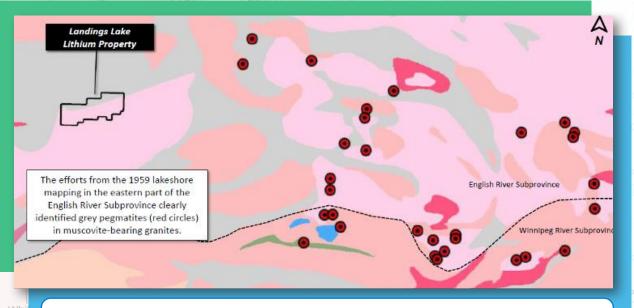
**COLLECTIVE** 



The Landings Lake Lithium property is located in northwestern Ontario where numerous lithium deposits have been delineated to host significant reserves of Li<sub>2</sub>O.



GEOLOGY



Of significance is that the Li-deposits/projects of northwestern Ontario are located within 20km of a terrane boundary.

These terrane boundaries are deep seated sutures that divide accreted Archean terranes and act as conduits for fertile peraluminous granites.

The Property lies **I7** km north of the English River-Winnipeg River Terrane boundary.



GEOLOGY

A sharp southwesterly break in the total magnetic intensity suggests a prominent fault through the region providing excellent conduits for fractionating granitic melts.

There is overwhelming evidence that the English River Subprovince is host to lithium, based on lake sediment sampling by the OGS, yet it is vastly unexplored for LCT-pegmatites.





# WHITEMUD LAKE PROPERTY



**OVERVIEW** 

The English River sub-province consists mainly of turbiditic metasedimentary WHITEMUD LAKE rocks, deposited during the final stages of magmatic and tectonic accretion within **PROPERTY** the Uchi Subprovince to the north at around ca. 2720 to 2710 Ma. The sedimentary rocks were intruded by a suite of calc-alkalic plutons at 2698 Ma. Major regional deformation, amphibolite to granulite facies metamorphism, anatexis, and **381** single cell mining claims totaling emplacement of an extensive peraluminous granitic suite culminated at 2691 ~**7,775** hectares Ma. Late episodes of metamorphism, metasomatism, and emplacement of pegmatites occurred locally at ca. 2680 and 2669 Ma (Corfu, F.1995).

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The Property is located

41 km northeast of Ear
Falls, ON

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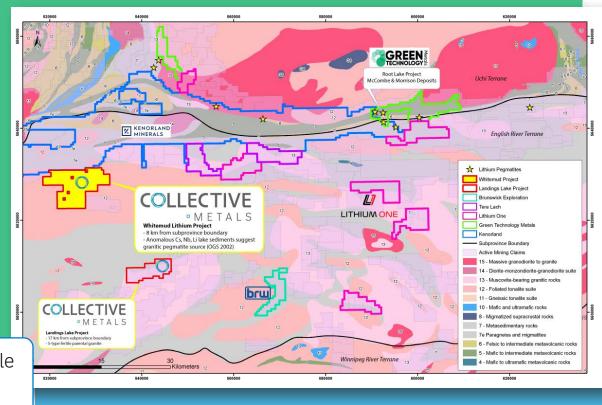
METALS

Lade Translation Property

The Whitemud Lake property is located
in northwestern Ontario where numerous

lithium deposits have been delineated to host

The Property is accessible by a series of logging roads, or via helicopter.



significant reserves of Li2O.

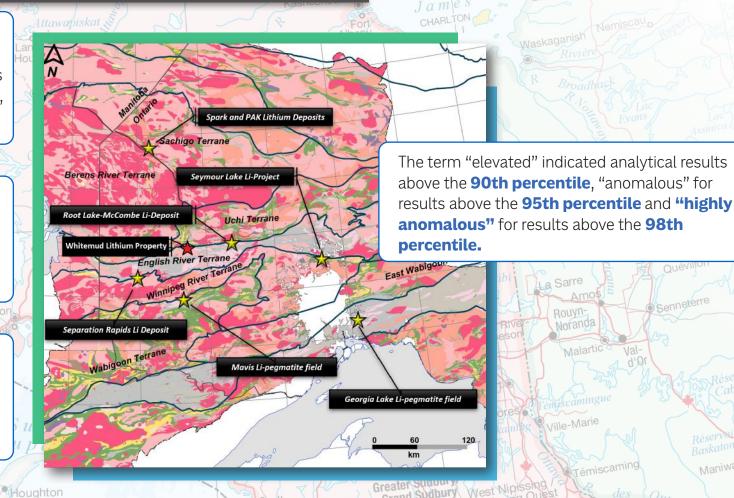
### WHITEMUD LAKE PROPERTY

PREVIOUS WORK AND ADJACENT PROPERTIES

The **Whitemud Lake Property** has been underexplored. Government mapping in the northwestern part of Whitemud Lake Area township identified several outcrops of pegmatite in the proximity of Whitemud Lake (Fenwick, 1966).

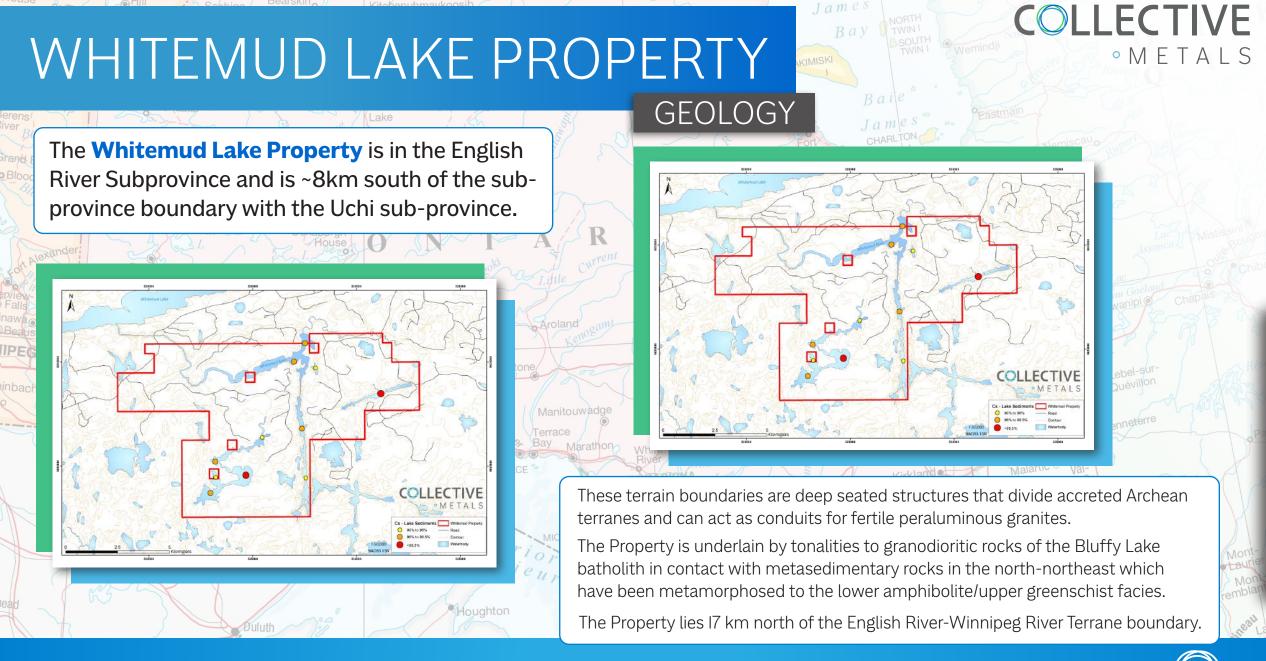
Government lake sediment surveys covered the Property in summer of 2000. The anomalous suite of elements returned from the survey on the Property suggest **possible granitic pegmatite source rocks** (OGS 2002).

The sample sites in the project area returned some of the **highest values** obtained for **Cs**, **Nb**, **Li**, **Sn**, **Be**, **Hg**, **and Ti**. There were also numerous other sites in the area which also returned elevated to anomalous values of Cs which are covered by the Property.





**COLLECTIVE** 





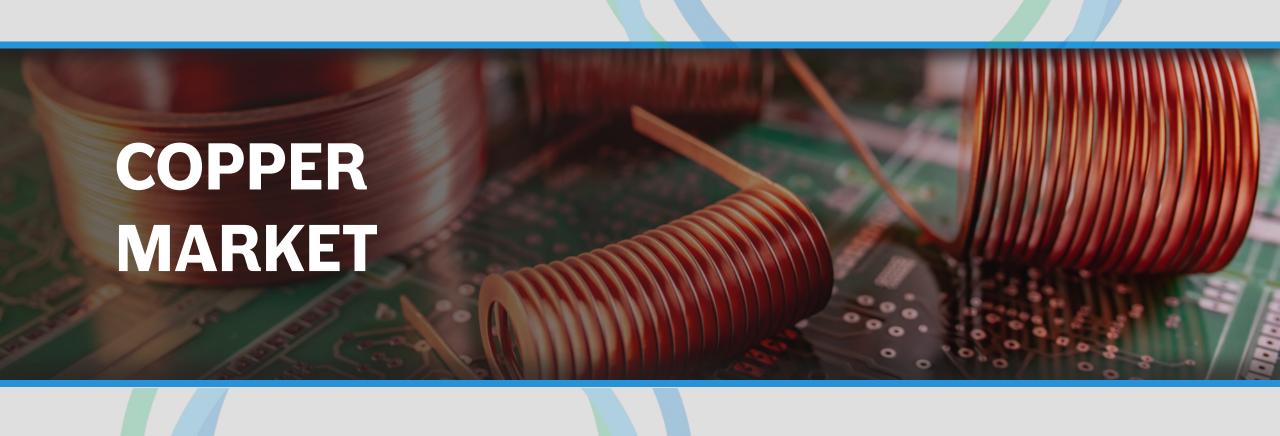
#### **COLLECTIVE METALS INC.**

409 -22 Leader Lane Toronto, Ontario M5E 0B2

Christopher Huggins CEO Chris@collectivemetalsinc.com +I 604-968-4844



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### COPPER MARKET

**Electric vehicles** need twice as much copper as internal combustion engines





Volume of global copper in electric vehicles

**758,000**metric tons in 2022

 $\rightarrow$ 

2,450,590

metric tons expected by 2023

Over the past decade, the **total global copper reserves** have increased from **630 million metric tons** in 2010 to **880 million metric tons** as of 2021. Meanwhile, the **total global copper production** from mines amounted to an estimated **21 million metric tons** in 2021

global copper market was valued at

**291.1** E

**USD** in 2021



expected to grow to

446.7 B

USD by 2030

Sources:

https://www.acumenresearchandconsulting.com/copper-market

https://www.vantagemarketresearch.com/industry-report/copper-in-electric-vehicles-market-1776

https://www.statista.com/topics/I409/copper/#topicOverview

https://www.databridgemarketresearch.com/reports/global-copper-market





### LITHIUM MARKET

Facing supply deficit as demand could increase by

000000

in the next decade

YOY demand increased

O

O

for lithium-ion batteries

Global EV sales doubled from 3.3M units to

between 2020 and 2021

Lithium prices have surged

year-to-date

Global EV sales increased by

520/0

in 2022

Depending on the method of lithium extraction, bringing new capacity online can take

3 or more

Sources.

https://www.forbes.com/sites/davidblackmon/2022/05/02/skyrocketing-lithium-prices-highlight-need-for-new-technologies/?sh=4dlcfilldb273 https://www.globalxetfs.com/lithium-market-update-elevated-prices-are-creating-favorable-dynamics-for-miners/



**COLLECTIVE** 

• METALS

### LITHIUM MARKET

LITHIUM SUPPLY IS LIKELY TO LAG LITHIUM DEMAND THROUGH THE FIRST HALF OF THE DECADE.



In the short term, notable lithium mining capacity is set to come online in late 2023 and early 2024

> These new projects could cut into the deficit in 2023, but surging EV sales are expected to result in sizeable shortages again in 2024 and 2025.



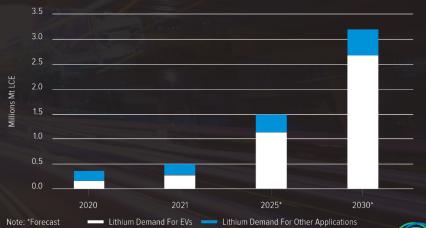
EVs could account for about of total lithium demand by 2030

up from about

in 2021

#### LITHIUM DEMAND BY APPLICATION (MILLIONS OF METRIC TONS PER ANNUM

Sources: Global X ETFs with information derived from: Norris, E. (2022, June 27), Building a domestic EV ecosystem: Fastmarkets lithium supply and battery raw materials 2022. Albemarle







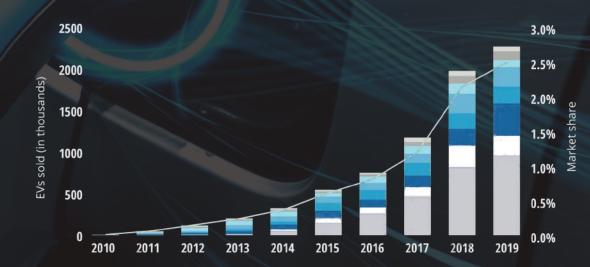
# ELECTRIC VEHICLE MARKET



Lithium is one of the **key components** in EV batteries, but global supplies are under strain because of **rising EV demand** 

EVs: annual passenger-car and light-duty vehicle sales in major regions

- China BEV China PHEV Europe BEV Europe PHEV US BEV US PHEV Other BEV
- Other PHEV − EV share



of vehicle sales will be EV or hybrid by 2040

EV passenger cars by 2040



Source: Deloitte analysis, IHS Markit, EV-volumes.com<sup>2</sup>

Deloitte Insights | deloitte.com/insights



# ELECTRIC VEHICLE MARKET



**EMERGING** 

**MARKET** 



5Wh plant in Detroit, MI which expects to increase to 2 GWh in 2023

### LG Energy Solution

Has a 5 GWh capacity plant in Holland MI

#### BlueOval **SK**

A Ford & SK Innovation project. To produce I29 GWh annually in KY & TN with potential to expand mid decade.

ultium **≡** cells

Production facility located in Lordstown, OH in the

city of Warren. The facility is responsible for mass

producing battery cells for GM's electric vehicle

#### microvast

. . . . . . . . . . . . . . . .

2 GWh plant in Clarksville, TN

#### TESLA

Two operational plants (NV) with 35 GWh. Expected to open its new gigafactory in Austin, TX with up to IOO GWh by the end of 202I and has a pilot line in Freemont, CA

#### **ENVISION** 3 GWh factory in TN

I GWh plant in Jacksonville, FL

#### **iM3NY**

Gigafactory is located in North-Eastern NY with a capacity of 38 GWh/vear

> Toyota aims to build 30 MWh battery cell manufacturing facility in North Carolina

#### TOYOTA

and plans to come online in 2025

#### **SK** innovation

opened a \$2.6-billion battery plant in Commerce, GA in January that is producing batteries for the Ford F-I50 EV and is planning to build another plant in 2023



: LANDINGS LAKE

PROPERTY

VW to build a major EV battery plant in St. Thomas, ON

# CANADA X VOLKSWAGEN BATTERY PLANT DEAL

Volkswagen announces plans to build a **major plant** for **electric vehicle batteries** in St. Thomas, Ontario, Canada





This will be Volkswagen's **first overseas gigafactory** and production is planned for 2027

Canada will contribute to Volkswagen's battery supply chains through **raw materials** and assembly