# TROY MINERALS

Targeting Near-Term Production of Strategic Minerals to Fuel the Global Energy Transition

**CSE: TROY**
**OTCQB: TROYF**
**FSE: VJ3**

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Certain statements contained in this presentation constitute “forward-looking statements” within the meaning of applicable Canadian securities legislation. Such forward-looking statements herein may include but are not limited to: interpretations of exploration results; strategic plans and expectations for the development of the Company’s properties; costs, financial information including budgets, metal price assumptions, cash flow forecasts, internal rate of return, projected capital and operating costs; technical results and assumptions including metal recoveries, mine life and production rates; and intended use of proceeds.

Such forward-looking statements and related information are based on a number of assumptions which may prove to be incorrect. Assumptions have been made regarding, among other things: conditions in general economic and financial markets; availability to realize historical technical data and develop and finance the projects; accuracy of the interpretations and assumptions used; availability of mining or exploration equipment; availability of skilled labour; timing and amount of capital expenditures; laboratory and other related services are available and perform as contracted; e ects of regulation by governmental agencies; and delays caused by the Covid-19 pandemic and any related local or international protocols and travel restrictions.

The actual results could differ materially from those anticipated in these forward-looking statements as a result of the risk factors set forth below and elsewhere in this presentation. Risk factors may include, but are not limited to: the availability of funds; the timing and content of work programs; results of exploration activities and the development of mineral properties; the interpretations of exploration results including drilling data; the uncertainties of resource estimations; project cost overruns or unanticipated costs and expenses; uncertainty as to actual capital costs, operating costs, production and economic returns; and uncertainty that development will result in a profitable mining operation at any of the Company’s projects; reliance on historical NI 43-101 technical report/s; fluctuations in commodity prices and currency exchange rates; political and economic risks; and general market and industry conditions.

Forward-looking statements are based on the expectations and opinions of the Company’s management on the date the statements are made. The assumptions used in the preparation of such statements, although considered reasonable at the time of preparation, may prove to be imprecise and, as such, readers are cautioned not to place undue reliance on these forward-looking statements, which speak only as of the date the statements were made. The Company undertakes no obligation to update or revise any forward-looking statements included in this presentation if these beliefs, estimates and opinions or other circumstances should change, except as otherwise required by applicable law. Certain information in this presentation has been provided to the Company by third parties. Troy Minerals Inc. shall not be deemed to make or have made any representation or warranty as to the accuracy or completeness of any such information furnished hereunder.

No securities commission or regulatory authority has reviewed the accuracy or adequacy of the information presented. The reader is cautioned that when reference to any mineral deposit or historic or existing mining district is made in this presentation, this is to help place the properties into geologic context and is for reference purposes only. There is no evidence to date that similar mineral resources occur on Troy Minerals’ properties.

QUALIFIED PERSON. under National Instrument (NI 43-101) Standards of Disclosure for Mineral Projects, the Qualified Person for the technical portion of this presentation is Ted Vanderwart P.Geo, for Troy Minerals Inc., who has reviewed and approved its contents.

# ABOUT TROY MINERALS

Troy Minerals is at the forefront of the exploration and development of strategic minerals essential for modern technology and green energy solutions.

Our mission is to unlock significant shareholder value through the successful discovery and production of high-purity silica, high-grade vanadium, and rare earth projects worldwide.

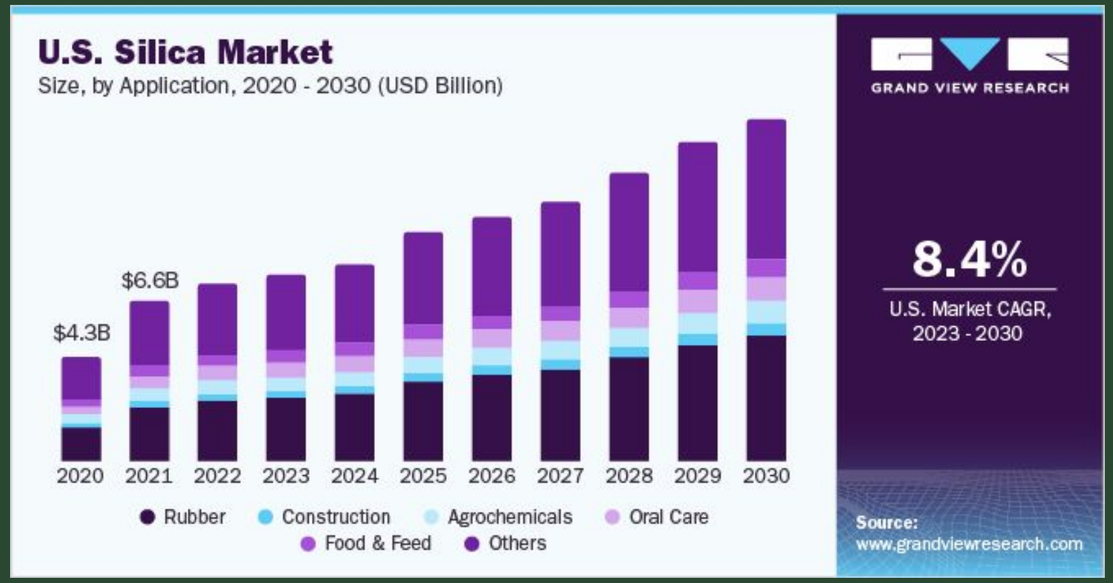
High - Purity Silica Sample

# INDUSTRY OVERVIEW

The global demand for strategic minerals like high-purity silica, vanadium, and titanium is skyrocketing, driven by the rapid adoption of electric vehicles, renewable energy, and advanced technologies.

However, the industry faces challenges such as supply constraints, environmental concerns, and geopolitical risks.

By developing these critical minerals projects, Troy Minerals is contributing to the Western world's independence from China's mineral supply chains.




# MARKET OPPORTUNITY

The high-purity silica market is expected to grow to $104.34 billion by 2030, while the vanadium market is projected to reach $81.8[1] billion by 2030.

Technological advancements and green energy initiatives are the primary demand drivers for these strategic minerals.

[1] Reportlinker.com: "Global Vanadium Industry", 2023

# WHY TROY?

- Significant position in key strategic minerals
- Near-term cash flow potential
- Management and technical team with a proven track record

**BLAST - SCOOP - LOAD**

01 **No Time and Money Wasting:** Our team of experts ensures efficient use of resources.

02 **Quick to Cash Flow:** Projects are designed to generate revenue rapidly.

03 **Strategic Location:** Positioned next to the world's biggest consuming countries.

04 **Easy to Access and Extract:** High-purity resources ensuring operational efficiency.

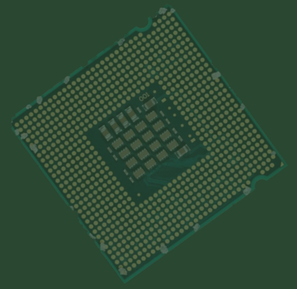
05 **High-Growth Markets:** Focused on high-purity silica and vanadium, which are poised for substantial growth.

06 **Strategic Acquisitions:** Enhancing portfolio and exploration potential.

07 **Experienced Leadership:** Team with decades of industry experience and proven success in transformative acquisitions and strategic growth.

08 **Notable Advisors and Partners:** Supported by key industry figures and strategic alliances.

# A COMPANY WITH A CLEAR OBJECTIVE



- Acquisition of CBGB and two near-term silica projects.
- 2024 will focus on exploration and resource definition.

**2024**

- Start production of Tsagaan Zalaa within 2025.
- Continue exploration and permitting efforts throughout portfolio, focusing on Table Mountain.

**2025**

**2026**

- Bring Table Mountain into production.
- Focus on finalizing permits for rest of portfolio.

**Troy Minerals is targeting a transition from an exploration company to a production company, a move expected to significantly increase shareholder value.**

**RANA VIG**

President & CEO

## Leadership Commitment:

**Significant Stakeholder: Rana Vig holds 7,094,750 shares, representing 11.3% of Troy Minerals.**

**His substantial investment reflects strong confidence in the company's future prospects.**

# A TRACK RECORD OF SUCCESS

## RANA HAS REPEATEDLY DELIVERED SHAREHOLDER VALUE

### Dome Mountain Mine:

- High-grade gold-silver project with significant exploration potential.
- Actively developed by Blue Lagoon Resources.
- Proven historical production.

### Harvest Health & Recreation:

- Led the restructuring of Rockbridge Resources.
- Acquired Harvest Health & Recreation through a $2 billion-plus reverse takeover.
- Included a $300 million financing, the third-largest cannabis financing in 2018.

### Curaleaf Holdings Inc.:

- Executed a $5 billion-plus reverse takeover in 2018.
- Included a $520 million financing round.
- Marked the largest Canadian cannabis financing at the time.

### Crescat Capital Financing:

- Led a $5.7 million financing round for Blue Lagoon Resources.
- Demonstrates strong investor confidence in the company's projects and management.

### Blue Lagoon Resources:

- Dome Mountain Mine: On the verge of securing a mining permit, with a production decision imminent for this high-grade gold/silver mine.
- Production Timeline: Targeting production start by early next year, marking a significant milestone.
- Strategic Leadership: Under Rana Vig's guidance, the company is on track to unlock substantial value for shareholders.

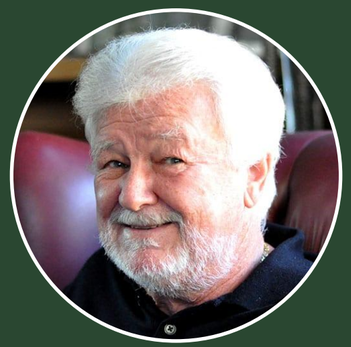
# MEET OUR MANAGEMENT TEAM

## RANA VIG

President & CEO / Director

Key roles in publicly traded companies, including President of Musgrove Minerals and Chairman & CEO of Continental Precious Minerals.

Entrepreneurial expertise in transformative acquisitions and strategic restructuring, driving growth and success.



## NORMAN BREWSTER

Director

Mr. Brewster's mineral industry career includes serving on various company boards, financing, and developing the Aguas Tenidas Mine in Spain, and negotiating the purchase of the Condestable Mine in Peru.

He also led the committee in reviewing the successful acquisition of Iberian Minerals Corp. by Trafigura Group Pte. Ltd. in an all-cash takeover valued at around $497.8 million.

## GURDEEP BAINS

Director

Mr. Bains: Chartered Professional Accountant (CPA, CA) with expertise in finance and business administration.

Significant experience in auditing and assurance services during his tenure at KPMG from 2000 to 2005.

Demonstrated leadership as CFO at OK Tire Stores Inc. and Zenabis Ltd., contributing to financial management and business development in respective roles.

## REGINA LARA YUNES, CPA

CFO

Lara Yunes is a Chartered Professional Accountant with a Bachelor's of Technology in Accounting from the British Columbia Institute of Technology.

She is currently a Financial Reporting Manager at Treewalk, providing accounting, financial reporting, and compliance services to publicly listed firms. Prior to this, she worked at Smythe LLP as an accountant, o ering audit and tax services to both private and public companies.

# MEET OUR TECHNICAL TEAM

## Mine+ Group LLC

- $2.5B in projects across the world, including Skeena Resources, West Red Lake Gold, Masada, Alpha HPA, and many more.
- B.C. mine development experience with Skeena since 2020.
- A track record of having successfully developed 20+ mines for outsized investor returns.
- A full in-house team of experts covering all aspects of exploration, mine development, engineering and production.

## ClaimHunt Inc.

- Over 14 years on professional geological services, prospecting and mine site development globally. Extensive BC geological experience.
- More than 4 years of BC experience supporting Homerun Resources.

***THE TECHNICAL TEAM HAS SKIN IN THE GAME, BEING PAID IN CASH AND EQUITY***

# TROY COMPARABLE: HOMERUN RESOURCES


- **Market:**
  - The same high-purity silica market.

- **Strategic Acquisition:**
  - Near-term, high quality silica assets, including a similar acquisition in B.C.

- **Aggressive Production Approach:**
  - The acquisition of CBGB's Mongolian mine has jump-started Troy's ability to achieve near-term production as soon as 2025. With a signed Letter of Intent (LoI) for offtake to the world's largest silica consumer (China), Troy has a competitive advantage to other silica producers: easy and cheap logistics. Additionally, Troy is also active in the USA and Asia, further enhancing its strategic position and market reach.

# WHY SILICA?

## Canada and USA Emphasize Silica's Significance

- **Canadian Recognition:** In June 2024, Canada officially recognized silica as a critical mineral, highlighting its essential role in modern technology and green energy solutions. This aligns with the global trend of prioritizing minerals vital for technological advancement and environmental sustainability. [1]

- **US Investment:** The Biden-Harris administration has announced significant investments in silica to bolster domestic production of solar panels and semiconductors. This includes a $71 million investment to advance American solar manufacturing and up to $6.1 billion to support semiconductor manufacturing under the CHIPS and Science Act. [2]

- **Applications:** Silica is crucial for the production of photovoltaics, solar panels, semiconductors, and batteries. These applications are expected to drive the market for high-purity quartz silica to $30 billion by 2030. [3]


THE WHITE HOUSE

MARCH 20, 2024

FACT SHEET: President Biden Announces Up To $8.5 Billion Preliminary Agreement with Intel under the CHIPS & Science Act

BRIEFING ROOM › STATEMENTS AND RELEASES

*Funding catalyzes $100 billion in private investment from Intel to build and expand semiconductor facilities in Arizona, Ohio, New Mexico, and Oregon and create nearly 30,000 jobs*

Today, President Biden will travel to Chandler, Arizona, to visit Intel's Ocotillo campus and announce that the Department of Commerce has reached a preliminary agreement with Intel to provide up to $8.5 billion in direct funding along with $11 billion in loans under the CHIPS and Science Act. The announcement will support the construction and expansion of Intel facilities in Arizona, Ohio, New Mexico, and Oregon, creating nearly 30,000 jobs and supporting tens of thousands of indirect jobs. During his visit to Arizona, President Biden will discuss the vision that he laid out in his State of the Union, underscoring how

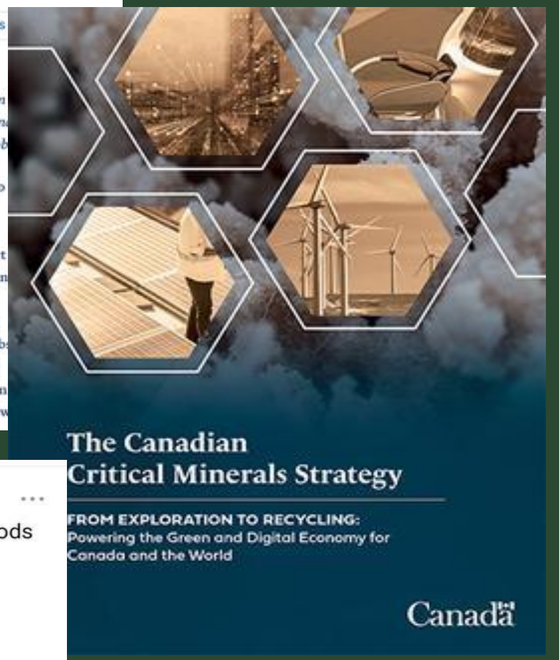

potus 12m

I just imposed a series of tariffs on goods made in China:

25% on steel and aluminum,
50% on semiconductors,
100% on EVs,
And 50% on solar panels.

China is determined to dominate these industries.

I'm determined to ensure America leads the world in them.





1. Government of Canada
2. The White House
3. The White House

# THE GLOBAL SILICA SUPPLY SHORTAGE


## PANDEMIC

Pandemic induced production cuts in world's biggest producer, China.

Lockdowns & blackouts are expected to continue for near-term.

## CHIP SHORTAGE

Severe shortage impacting almost every electronic device.

Expected sustained long term demand growth for semiconductors.

## SUPPLY CHAIN CONSTRAINTS

Supply chain disruptions create a destructive mix for consumers globally.

Combined with stockpiling activities, results in the scramble for new supply lines.

## LIMITED ACCESS TO PRODUCERS

Limited access to previous leading producers for the foreseeable future.

Sanctions due to labor concerns in China and military action by Russia.

## CORPORATE PRESSURE

Many major global firms have seen production losses due to shortage.

Driven by Apple, Tesla and Ford to resolve production shutdowns.

## CONSUMERS CHALLENGES

Consumers paying premiums and waiting longer to get product.

150x increase in semiconductor prices, with 6x longer production time.

# WHY VANADIUM?


**Emerging Battery technology:** Vanadium Redox Flow Battery (VRFB's) to consume over 70% of vanadium demand by 2040.1

Vanadium is used in many industries and applications, from automobiles, power generation, and hand tools, to ships, industrial tools and airplanes.

High-Tech

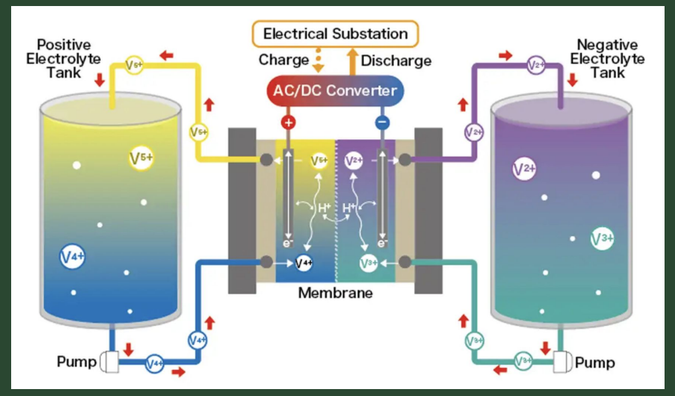
Construction

Renewable Energy

Automotive

Power Plats

Transmission Towers




**Vanadium Redox Flow Batteries (VRFBs)**

# TSAGAAN ZALAA PROJECT


**Location:** In Mongolia, near the China-Mongolia border, strategically positioned next to major high-purity silica-consuming countries.

**Size:** Significant landholding with high-purity silica deposits.

**Geology:** Rich deposits of high-purity silica, ideal for advanced technological applications.

**Resource Potential:** Exceptional silica grades above 99%.

**Project Highlights:**

- Minimal overburden and low strip ratio, making extraction cost-effective.
- Expected production to start in 2025.

**Strategic Importance:** Close-proximity to major markets in China, Japan, and Korea, ensuring efficient supply chain logistics and reduced transportation costs.

**Partnerships:** Supported by local and international strategic partnerships to facilitate development and production.

# TABLE MOUNTAIN PROJECT


**Location:** 8 km east of Golden, BC Canada.

**Size:** 1698 hectares with accessible infrastructure including roads, power, and natural gas.

**Geology:** High-grade silica in quartzites with minimal overburden.

**Resource Potential:** High-purity silica ideal for solar panels, electronics, and high-performance glass.

**Project Highlights:**

- Expected production start in 2026.
- Quick permitting process and environmentally friendly mining practices.
- Significant market potential due to increasing demand for high-purity silica in North American markets.

**Strategic Importance:** Positioned to serve North American markets, reducing dependency on imports and enhancing supply chain reliability.

**Infrastructure:** 4 Km from Golden, BC. Trans-Canada Highway transects the Property, 6 km from CPKC railyard.

**Partnerships:** Collaboration with local and regional authorities to ensure efficient project development and production.

# LAKE OWEN PROJECT


**Location:** 50 Km Southwest of Laramie, Wyoming, USA.

**Size:** 100 unpatented lode mining claims / 1932 acres (782 hectares).

**Geology:** Proterozoic Lake Owen mafic to ultramafic layered intrusive complex with rich vanadium and titanium deposits.

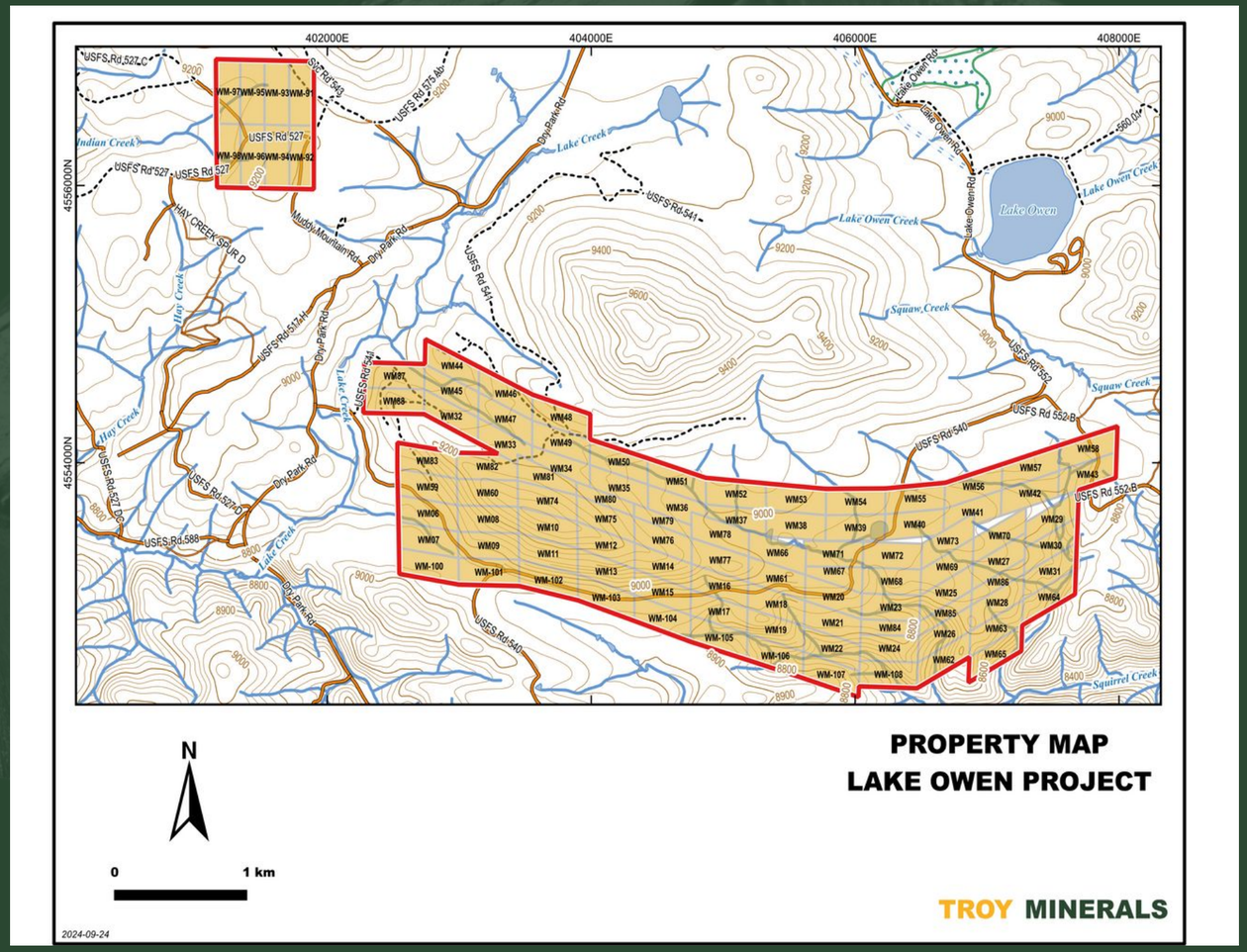
**Resource Potential:** Large potential of semi massive to massive titanomagnetite with V2O5 and Ti2O. The tops of cumulates (Reefs) has anomalous PGE +- Au. Stillwater PGE Reef potential. Basal zones offer massive sulfide potential.

**Project Highlights:**

- Potential PGE-bearing sulfide layers.
- Potential basal massive sulfide accumulations similar to the Mouat Deposit in the Stillwater Complex.

**Strategic Importance:** Aligns with US efforts to increase independence for green metals required in the energy transition.

**Partnerships:** Benefiting from the US Geological Survey's "Large-scale Earth MRI" program, providing valuable geological insights and cost savings.



# LAC ST. JACQUES PROJECT

**Location:** 250 Km north of Montreal, Quebec, Canada.

**Size:** 2889 acres (1169 hectares) with excellent accessibility via roads and proximity to hydro power lines.

**Geology:** REE mineralization associated with pegmatitic syenite to granite Intrusives.

**Resource Potential:**

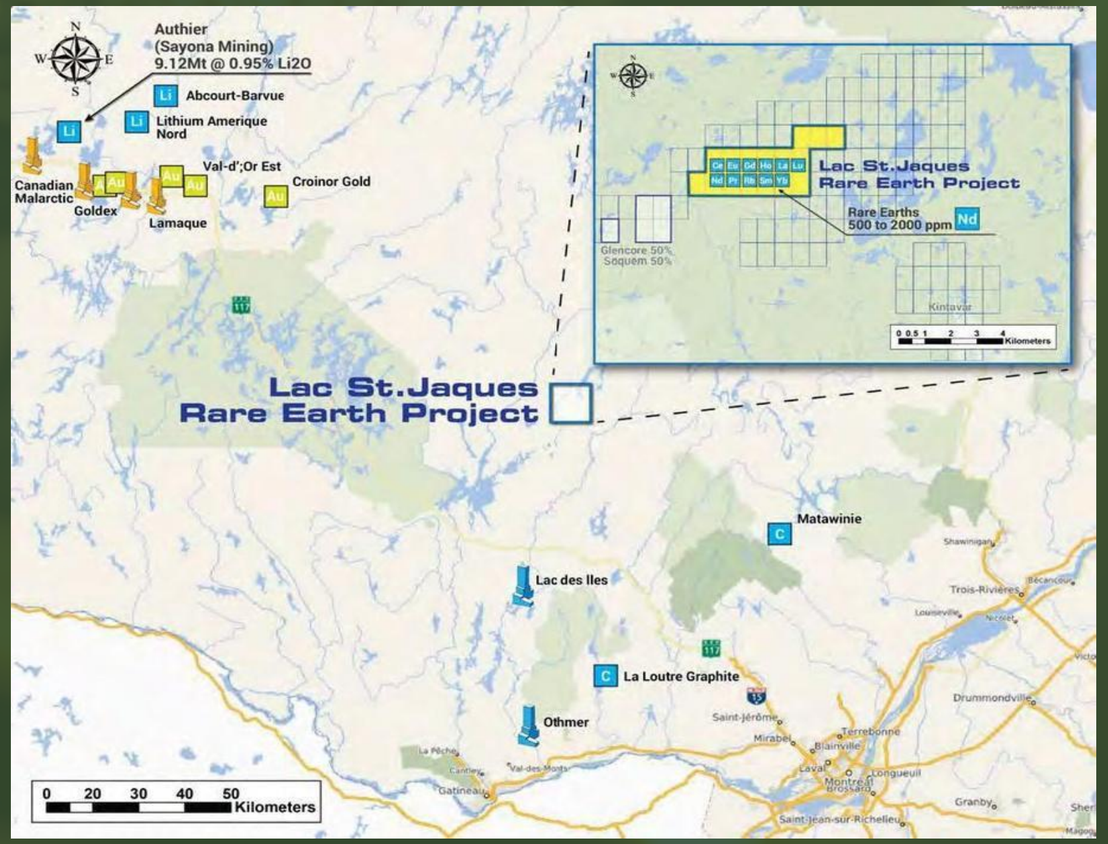
- Estimated formation with a 4 km strike length and 25m width.
- High concentrations of rare earth elements, with samples showing 500 to 2000 ppm Nd and Pr.
- 2023 drilling returned 0.25% TREO over 9 metres including 0.71% TREO over 1 metre (LJ23-01) and 0.26% TREO over 5 metres including 0.62% over 1 metre.

**Project Highlights:**

- Located near key infrastructure, facilitating easy logistics and potential cost savings.
- Proximity to hydro power lines ensures sustainable energy options for future operations.

**Strategic Importance:** Positioned in a region with significant potential for rare earth element production, critical for high-tech and green energy applications.

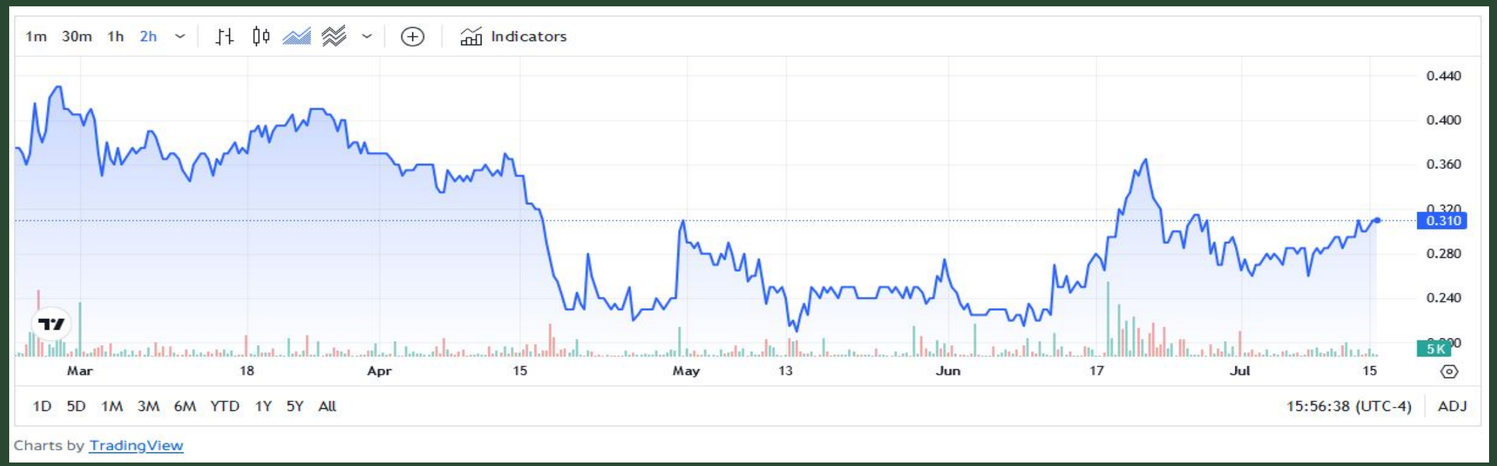
**Partnerships:** Engaging with local communities and leveraging regional expertise to advance exploration and development efforts.



# INVESTMENT OPPORTUNITY

**Invest in Troy Minerals for its high-quality assets, its envisaged strategic transition to production, robust acquisitions, high-growth market potential, and a team with an impressive track record.**

| | |
|---|---|
| Shares Issued & Outstanding | 62,714,482 |
| Warrants | 14,644,072 |
| Options & RSUs | 890,000 |
| Shares Fully Diluted | 78,248,554 |
| Market Capitalization | $16,4M |
| 52-Week Range | $0.20 - 1.72 |

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# GET IN TOUCH

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