TROY MINERALS

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

Photo: High-purity Silica at Table Mountain Project, BC

DISCLAIMER

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 NI43-101 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 Trpy 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** (which becomes Silicon), high-grade **Vanadium** (+/- **Titanium** and **Scandium**), and **Rare Earths** (REE) projects worldwide.

High - Putity Silica Sample

WHY TROY?

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

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.

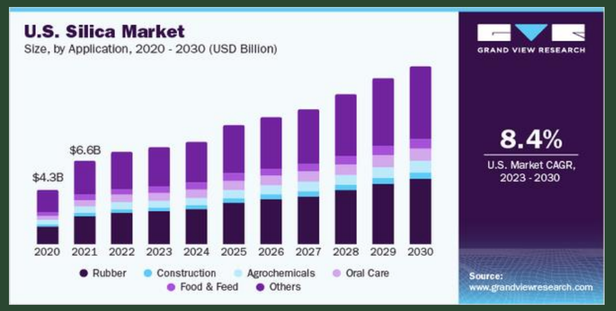
05 **High-Growth Markets:** Focused on high-purity silica, vanadium and REE, which are poised for substantial growth.

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

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

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

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.

“Resource Nationalism” is not a new notion; however current global sociopolitical and military events are affecting state governance and strategies in relation to supply/demand of such critical minerals.

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

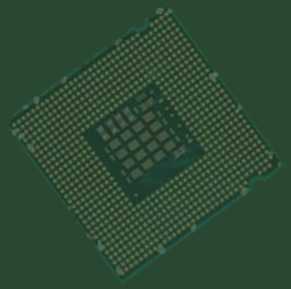
MARKET OPPORTUNITY

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 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

A COMPANY WITH A CLEAR OBJECTIVE



Get Mining License at Tsagaan Zalaa in H1 2025 and commence production in H2 2025. Expand resources

2026

Continue exploration and permitting efforts throughout portfolio, focusing on Table Mountain, Lake Owen, and Lac St.Jacques

2025

Acquisition of CBGB and two near-term silica projects. Expansion of Lake Owen Project with First DDH holes and Rock Sampling

1st Phase exploration concludes at Tsagaan Zalaa, Table Mountain

2024

Bring Table Mountain into production.
Expand Tsagaan Zalaa

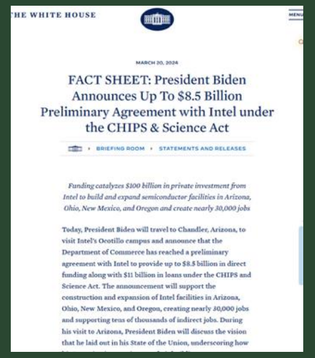
Focus on finalizing permits for rest of portfolio

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

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]



THE WHITE HOUSE

MARCH 20, 2024

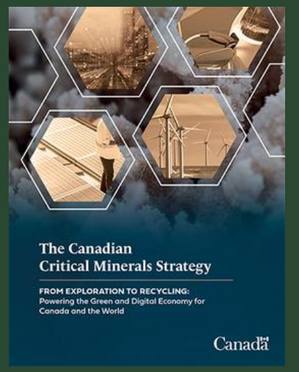
FACT SHEET: President Biden Announces Up To $8.5 Billion Preliminary Agreement with Intel under the CHIPS & Science Act

BRIEFING ROOM • STATEMENTS AND RELEASES

Funding catalyzes $300 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

- **US Investment:** The US 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]

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 & WARS

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

Proxy wars and current global affairs have created more supply “bottlenecks”

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 shut downs.

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

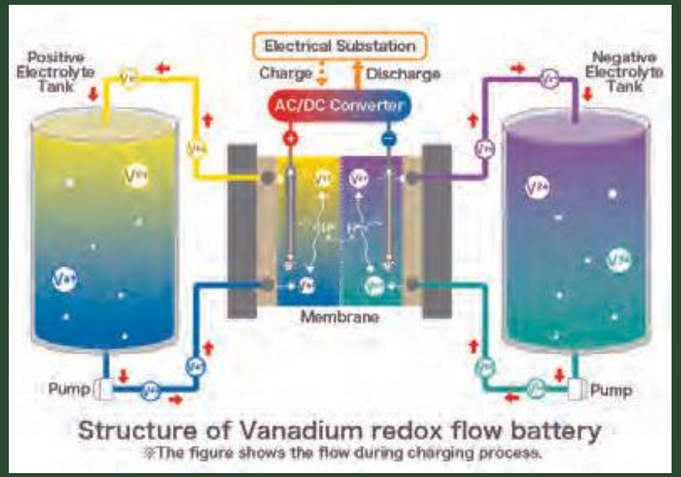
Construction

Renewable Energy

Automotive

Power

Transmission Towers



Vanadium Redox Flow Batteries (VRFBs)

WHY SCANDIUM?

(from Soviet secrets to China's Domination and …from Baseball Bats to Satellites & F-35 Air-Fortresses)

Scandium has green-energy technologies applications, but additionally it is the most effective known microalloying element that can strengthen aluminium, while also offering improved flexibility, resistance to heat and corrosion, and lighter weight, therefore Scandium finds applications in the space, military and civilian aviation industries.

Figure 1. Aluminum Scandium Master Alloys

Sc: 90%+ Come from China/Russia

TSAGAAN ZALAA PROJECT

Location & Strategic Importance: In Mongolia, near the China-Mongolia border, strategically positioned next to major high-purity silica-consuming countries. Reduced transportation costs and supply chain logistics to major demand markets (China, Korea, Japan)

Size: Significant landholding with high-purity silica deposits.

Geology: Rich deposits 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 start in 2025. Currently completed drilling and environmental studies.
- Delivered a Mining License Application in Feb 2025, expecting govt approval in Q2 2025.

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

TSAGAAN ZALAA PROJECT Mongolia

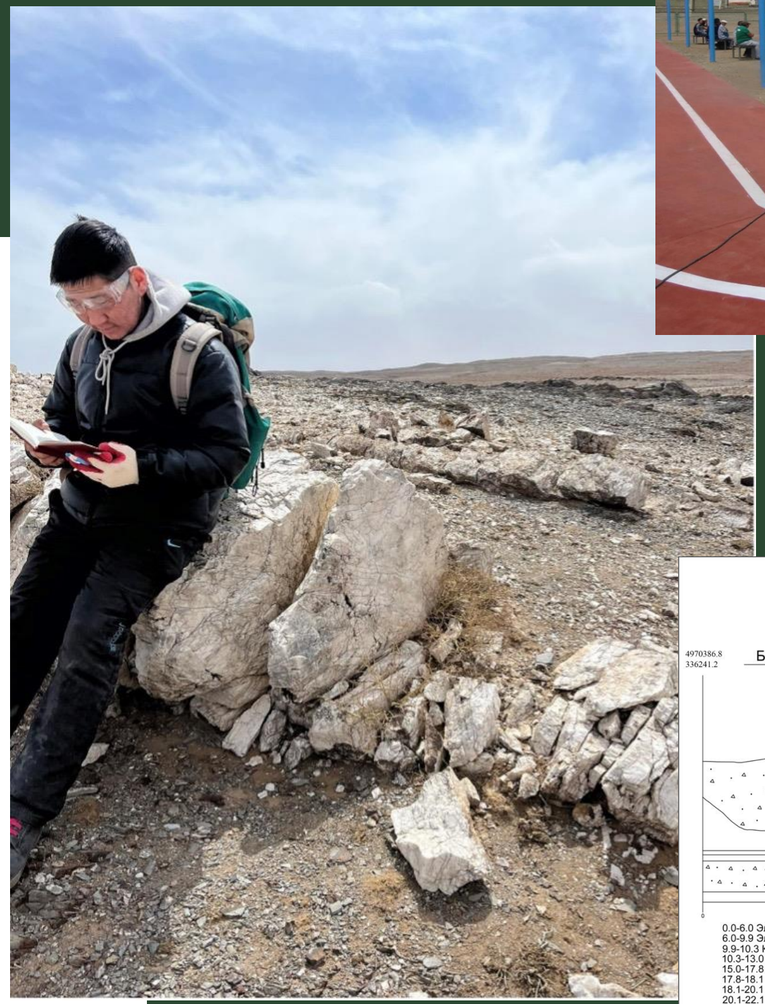
(Mining License – Recent Studies)

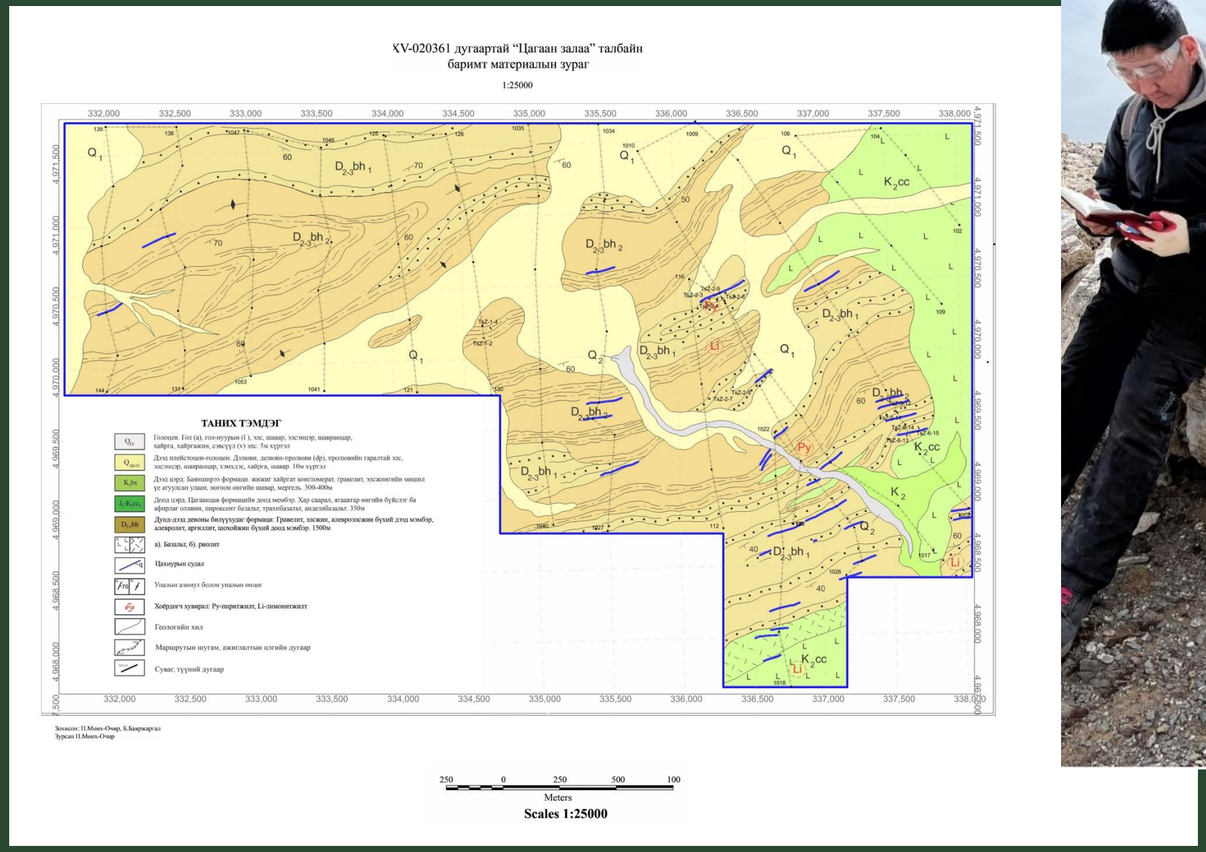
Requirements / Steps / Activities (progress)	SEPT	OCT	NOV	DEC	H1 2025
Exploration: Geological Mapping & Trenching	Done				
Exploration: Drilling & Laboratory Analysis				Done	
Exploration: Rock/Physics/Mechanics Analysis			Done		
Resource & Block Estimation and Modelling				Done	
Environmental, Hydrogeology & Archeol. Studies			Done		
FS Studies and Report Finalization (specialists)					Done
Mineral Resource Counsel (MRC) Meetings & Dialogue (iP)					
Mining License Application – Final Submission					Done Feb 2025
Mining License Approval & Issuance					

* iP: in progress

Tsagaan Zalaa

- Application for a full Mining Licence submitted in February 2025
- Govt of Mongolia currently reviewing
- Expected in Q2 2025.
- Active support of local Communities





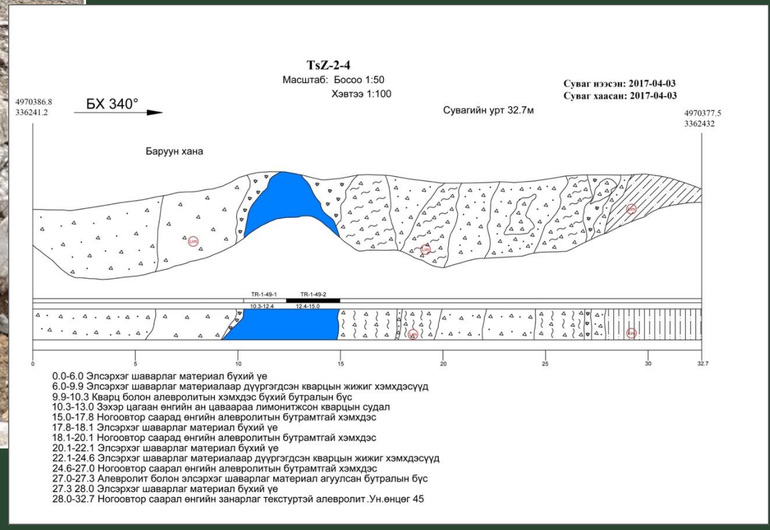


TABLE MOUNTAIN PROJECT

Location: 8km east of Golden, BC Canada.

Size: 2,304 hectares with accessible infrastructure including roads, power, railway 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:

- Targeted production start by late 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: Trans-Canada Highway transects the Property, 6km from CPKC railyard.

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

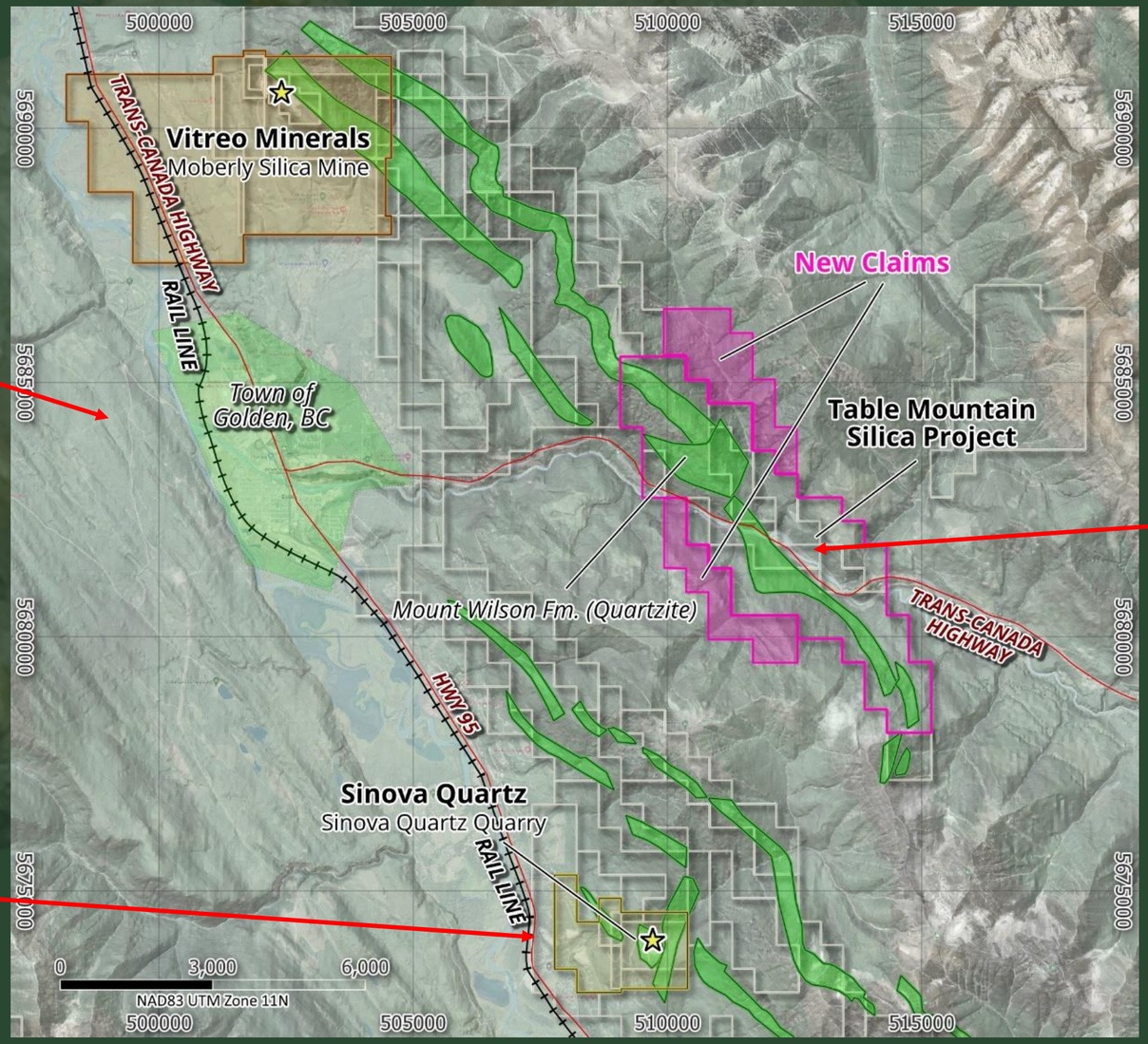
TABLE MOUNTAIN PROJECT

Proximity to Important

Infrastructure in BC

(Main Canadian Highway,

Railway, Town)



TROY

Sinova Global

(rel: Sir Mick Davis, Chairman, ex-Xstrata founder)

TABLE MOUNTAIN PROJECT (Recent Sampling Results)

- Three distinct zones of high-purity silica mineralization identified within the Mount Wilson Quartzite Formation.
- 98.86% SiO_2 over a total of 62.11 metres of channel sampling in five channels at the main Table Mountain Zone.
- Outcrop sampling returned 98.18% to 99.74% SiO_2 from 45 samples at Table Mountain Zone, 97.83% to 99.49% SiO_2 from 13 samples at South Zone, and 95.82% to 99.82% SiO_2 from 29 samples at Southeast Zone. *
- Very low deleterious elements identified in all samples.

LAKE OWEN PROJECT

Location: 50Km Southwest of Laramie, Wyoming, USA.
Size: 185 unpatented lode mining claims (1433 hectares).

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

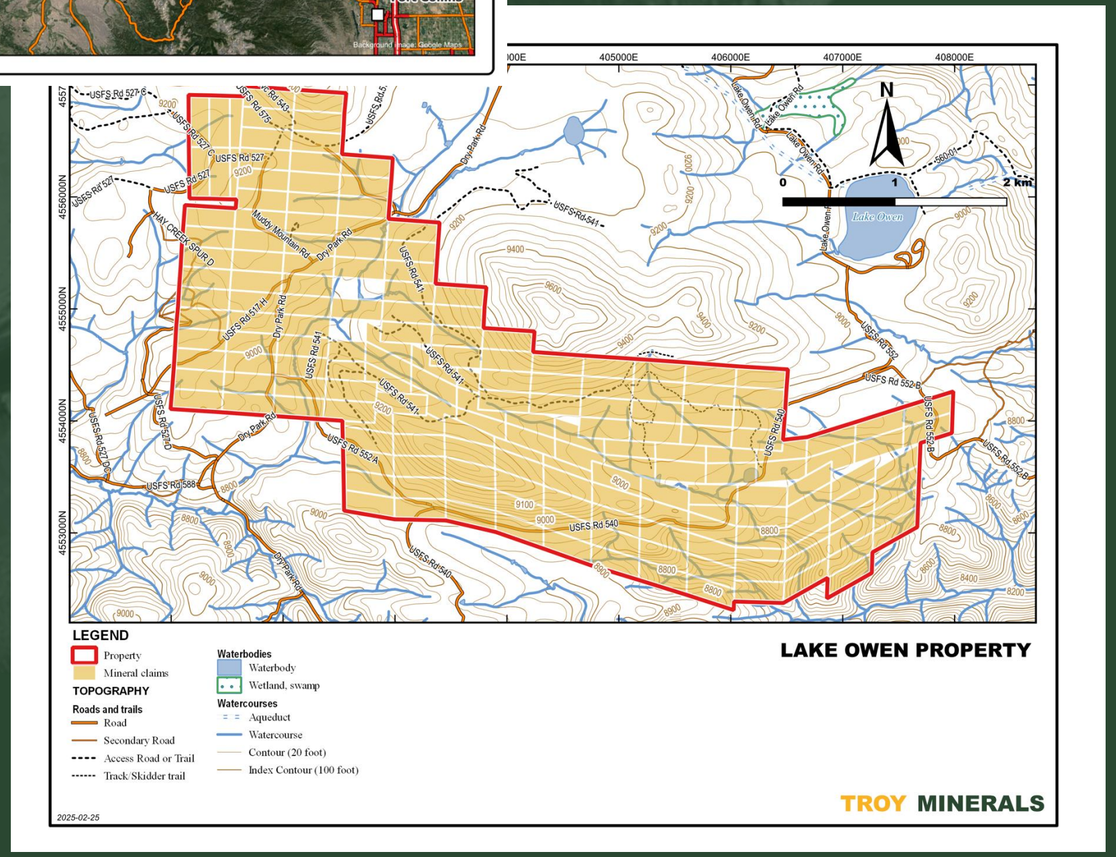
Resource Potential: Large potential of Scandium (a REE metal), semi massive to massive titanomagnetite with V_2O_5 and Ti_2O. The tops of cumulates (Reefs) has anomalous PGE +- Au. Stillwater PGE Reef potential. Basal zones offer massive sulfide potential.

Project Highlights:

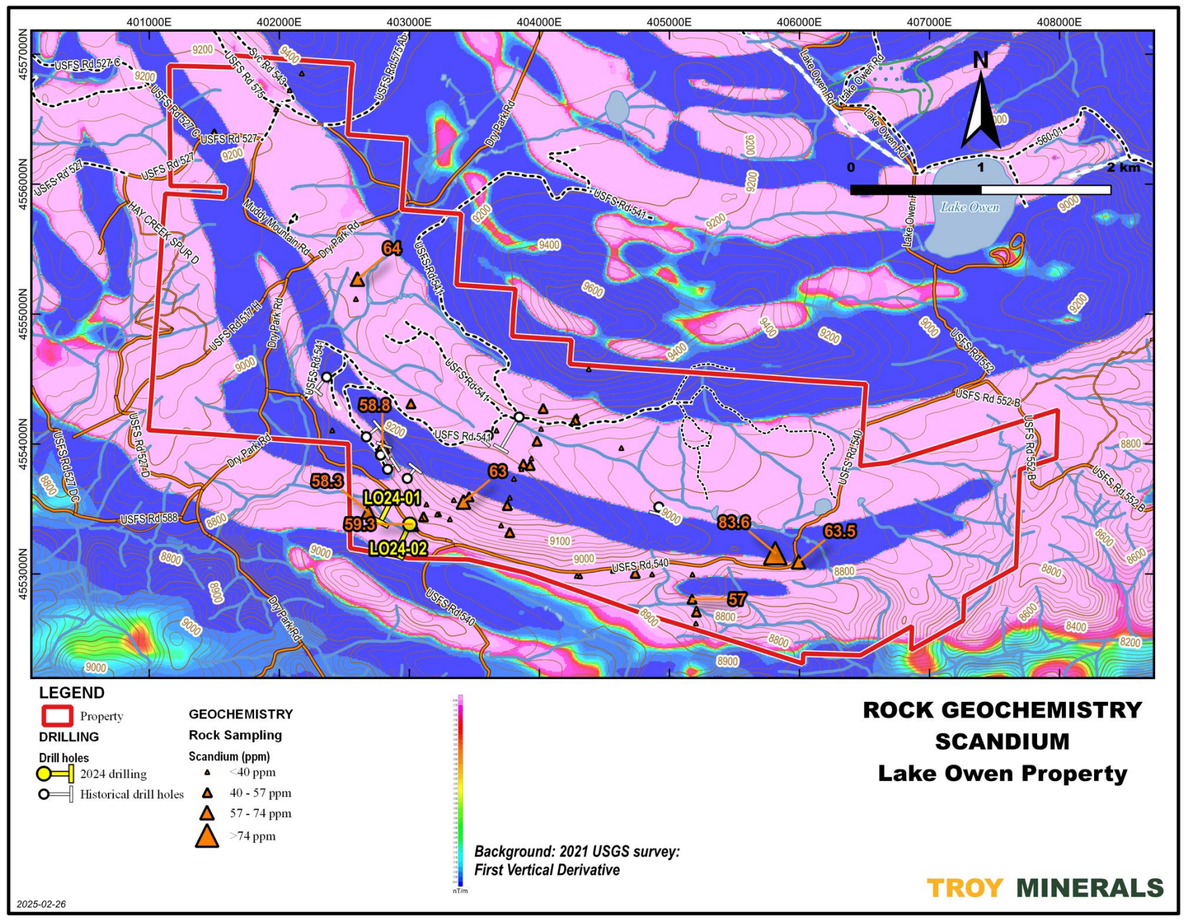
- Potential Scandium, Titanium and Vanadium deposits. Regional-Scale target. Potential PGE-bearing sulfide layers.
- Potential basal massive sulfide accumulations similar to the Mount Deposit in the Stillwater Complex.

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.

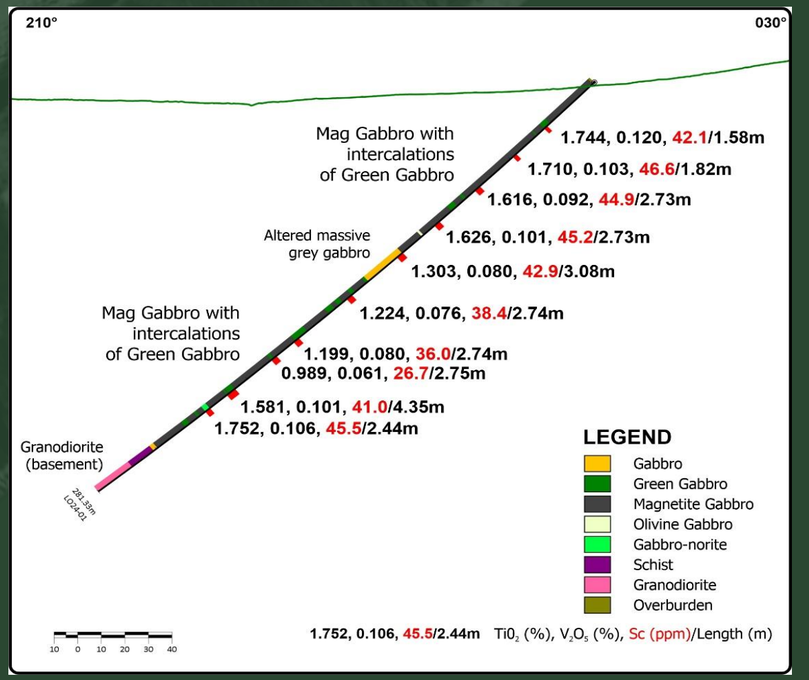


LAKE OWEN PROJECT (Recent DDH Results)



- The two DDH holes at the Lake Owen Project targeted titanium (TiO_2) and vanadium (V_2O_5) mineralization associated with magnetite in gabbro, as well as potential reef style PGE mineralization.
- Although sampling along the holes was visually selective, associated with high magnetite zones, several anomalous zones of **Titanium** (>1%) and Vanadium have been encountered.
- Most importantly, associated with these anomalous zones, is elevated concentration of **Scandium (Sc)**, a rare critical metal belonging to the REE group with no domestic supply in the United States.

\



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: Rare Earth Elements (REE) mineralization associated with pegmatitic syenite to granitic intrusives

Resource Potential:

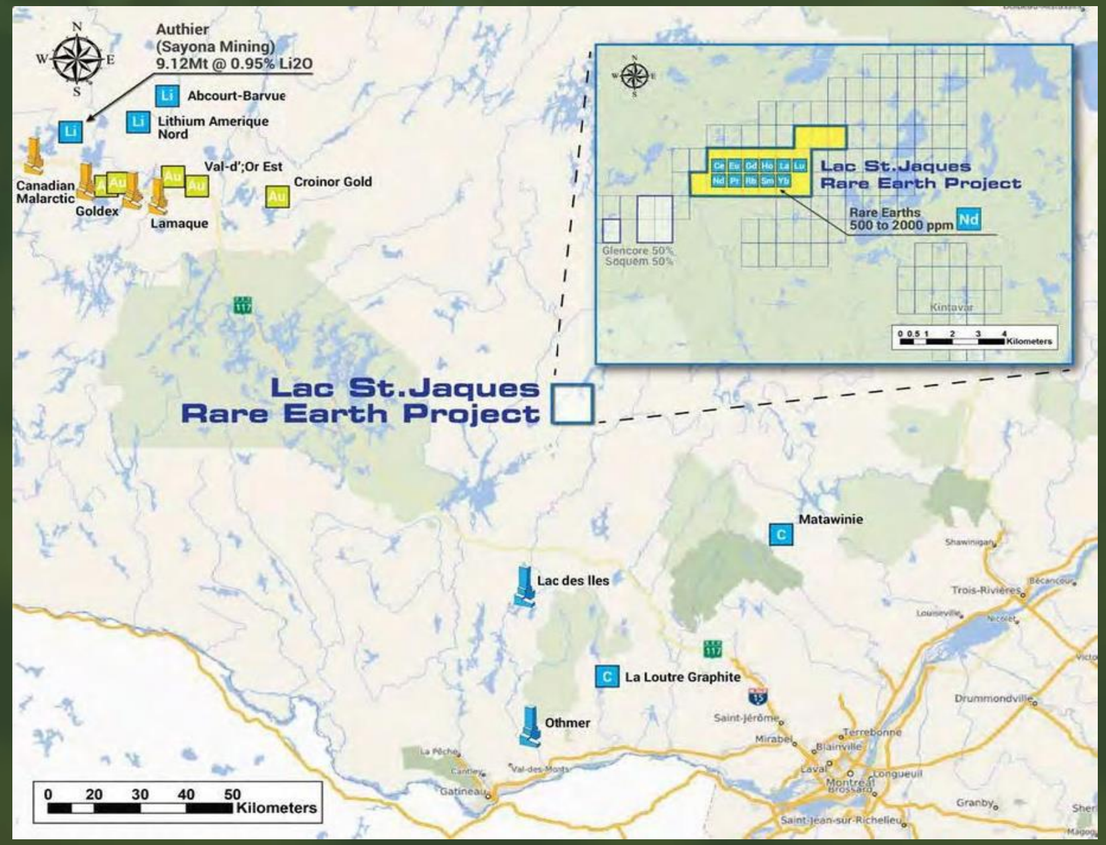
- Estimated formation with a 4 km strike length and 25m width.
- High concentrations of rare earth elements, with samples showing 500 to 2000 ppm Nd and Pr.
- 2023 drilling returned 0.25% TREO over 9 metres including 0.71% TREO over 1 metre (LJ23-01) and 0.26% TREO over 5 metres including 0.62% over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



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 active discussions for offtake agreements 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.

A TRACK RECORD OF SUCCESS

RANA HAS REPEATEDLY DELIVERED SHAREHOLDER VALUE

RANA VIG

CEO, Director

Dome Mountain Mine:

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

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.

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.

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.

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 OPERATIONAL EXCELLENCE

A PROFESSIONAL WITH STRONG INDUSTRY EXPERIENCE

Deep Technical & Management Knowledge:

- In excess of 35 years experience in the mining industry
- Physicist – Geophysicist (MSc), business development, finance and management, corporate and leadership positions
- 19 years with the BHP-Billiton Group, the biggest mining corporation in the world, inclusive of 8 years as New Business Investment Manager for the Global Mineral Exploration Team with a global reach.
- Has done work on 11 different commodities
- Has been part of numerous Board of Directors, currently sitting on 5 Boards as Independent Director and/or Chair of Audit & Corporate Governance committees

Global Network & Risk Management:

- Done mineral exploration, project execution, negotiations, development and finance in 32 countries in all continents, lived in 5 countries, speaking 3 languages.
- Has negotiated and executed in excess of 60 exploration and mining agreements with juniors majors and state corporations. Has raised in excess of $175M in juniors financings
- Expert in risk management and project financial modelling/analysis in foreign jurisdictions
- Strong advocate in anti-corruption policies in the mining industry, has written and published articles in exploration and mining magazines and publications.

Success Record – Delivering Discoveries & Mines:

- Within BHP, he has been part of two major discovery teams (now 3 active mines) in copper and nickel (Ecuador and Australia)
- Within the junior venture capital industry, he has delivered two discoveries (one an existing mine, one in development) in gold and industrial minerals (Guyana).

Yannis Tsitos

President

Leadership Commitment:

Significant Stakeholder: Yannis Tsitos holds 2,000,000 shares, representing 3.23% of Troy Minerals.

His investment in Troy directly represents a strong understanding of the quality of Troy's projects and the company's overarching objective of a near-term producing entity.

MEET OUR BOARD, CFO

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 transfor- mative acquisitions and strategic re-structuring, 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 review- ing 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 PARTNERS

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.

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

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.

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.

CSE: TROY **OTC**: TROYF **FSE**: VJE

Shares Issued & Outstanding	**69,194,482**
Warrants	**14,644,072 Special Warrants based on milestones**
Options & RSUs	**890,000**
Shares Fully Diluted	**84,728,554**
Market Capitalization	**$9-10M**

GET IN TOUCH

CONTACT US

Rana Vig, CEO & Director
Yannis Tsitos, President

+1-604-218-4766 or +1-604-418-9561

https://troyminerals.com

yannis@troyminerals.com
rana@ranavig.com