



South Dakota's Most Exciting High-Grade Gold-Lithium Explorer

TSXV:ROAR

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# A Premier High-Grade Gold-Lithium Explorer in South Dakota's Black Hills



### High-Grade Gold & Lithium Potential

Gold up to 18.2 g/t Au, lithium up to 5.4% Li<sub>2</sub>O with multiple underexplored zones with expansion potential



### **Untapped Exploration Upside**

**Shear-hosted gold system spans over 1.6km** and Giant Volney lithium pegmatite open for expansion



### Private Land = Fast-Track Permitting

**142 ha of private land accelerates exploration** and avoids federal permitting delays for quicker drill execution



### **Experienced Leadership**

Strong track record in discoveries and financings with expertise in gold, lithium, and strategic metals



### **Proven Mining District, Strong Neighbors**

Surrounded by major producers with **Homestake** (43.9M oz Au), Coeur Mining, and Dakota Gold are nearby



### Major Catalysts Ahead in 2025

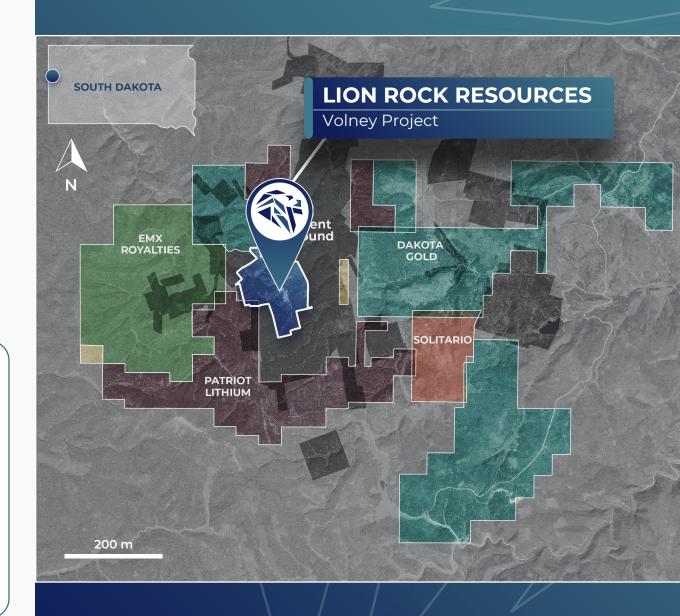
**5,000m drill program in H1 2025** with Geophysics and sampling programs to drive rapid value creation



THE EMERGING TINTON DISTRICT

# Strategically Positioned in a World-Class Mining District

- A Year-round road access
- Access to powerlines
- Access to water
- **Rail** networks near by
- Ouluth, Minnesota & Thunder Bay, Ontario shipping ports are both easily accessible by rail



# Unlocking a Large, Underexplored High-Grade Gold & Lithium System

### Multiple High-Grade Targets Identified

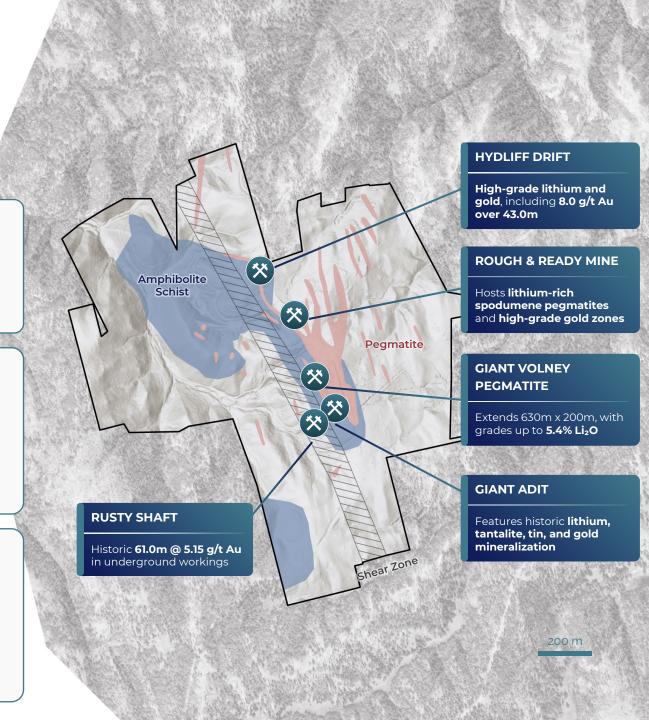
- Gold & lithium-rich zones span a district-scale opportunity with proven high-grade intercepts
- Historic drilling has only tested shallow depths (<50m), leaving significant discovery potential

### Two Distinct Styles of Mineralization

- ► **Shear-Hosted Gold** Broad mineralized zones with strong highgrade intercepts
- ► Lithium-Tantalum-Tin Pegmatites Large spodumene-rich bodies with exceptional Li<sub>2</sub>O grades
- Both mineralization styles remain open for expansion along strike and at depth

### **Exploration Upside & Next Steps**

- Limited historic drilling leaves vast potential for high-grade discoveries
- ▶ 5,000m drill program in 2025 will target both gold and lithium expansion zones
- Geophysics, surface sampling, and structural mapping will refine priority drill targets



# TSXV:ROAF

# High-Grade LCT Pegmatite Swarm with District-Scale Potential

- ► A 635m-long, 200m-wide LCT pegmatite with high-grade spodumene mineralization exposed at surface
- Multiple pegmatite bodies, ranging from 10m and upwards, converging to form a large-scale lithium zone
- LCT pegmatites are the primary source of high-grade hard-rock lithium worldwide, hosting some of the largest and most economically viable lithium deposits

Volney Pegmatite Pit Area Average Grades

2.5% Li<sub>2</sub>0

Historic bulk sampling (10,000 kg)

3.8% Li<sub>2</sub>0

Composite of 25 grab samples from 2025



### Giant Volney Pegmatite Target:

### High-Grade Lithium with Expansion Upside

Strong Expansion Potential -Drilled to only 50 m depth, the deposit remains open with a 1.6 km lithium-rich trend hosting multiple untested pegmatites

**Exceptional Grades & Drill Results** – Bulk samples returned **up** to 4.5% Li<sub>2</sub>O, while historic drilling confirmed spodumene mineralization, incl. 19.24m @ 1.68% Li<sub>2</sub>O

#### **HISTORIC SAMPLE HIGHLIGHTS**

**BULK SAMPLES** 

4.50% Li<sub>2</sub>0 4.18% Li<sub>2</sub>0

3.70% Li<sub>2</sub>0 3.64% Li<sub>2</sub>0 1.47% Li<sub>2</sub>O over 7.6 m incl. 2.90%Li<sub>2</sub>O over 2.4 m

1.68% Li<sub>2</sub>O over 19.24 m incl. 3.03% Li<sub>2</sub>0 over 2.13 m and 2.56% Li<sub>2</sub>0 over 2.97 m and 2.97% Li<sub>2</sub>0 over 1.68 m

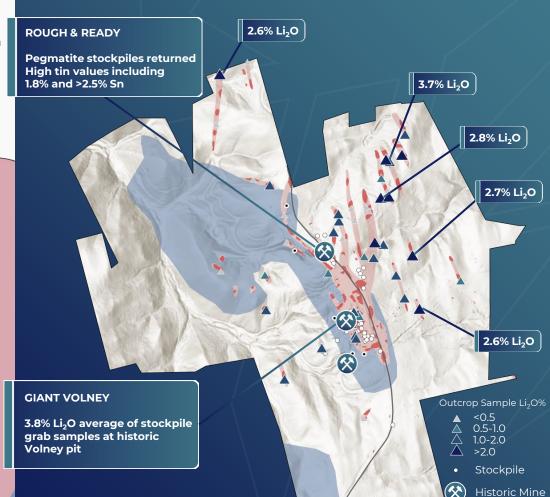
**DRILLING** 

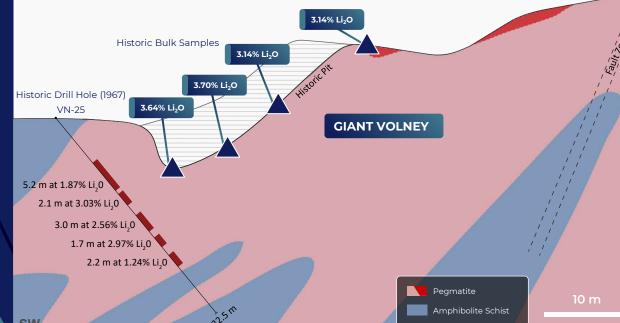
**5.3**% Li<sub>2</sub>O ▶ in stockpile 3.7% Li<sub>2</sub>O ▶ in outcrop

>1% Sn ► in 13 mill piles

### Surface Sampling Proves Expansion Potential

2025 Sampling returned 26 outcrop samples over 1.0% Li<sub>2</sub>O, confirming multiple high-grade lithium bearing pegmatites at surface across a 1,000 m by 500 m corridor





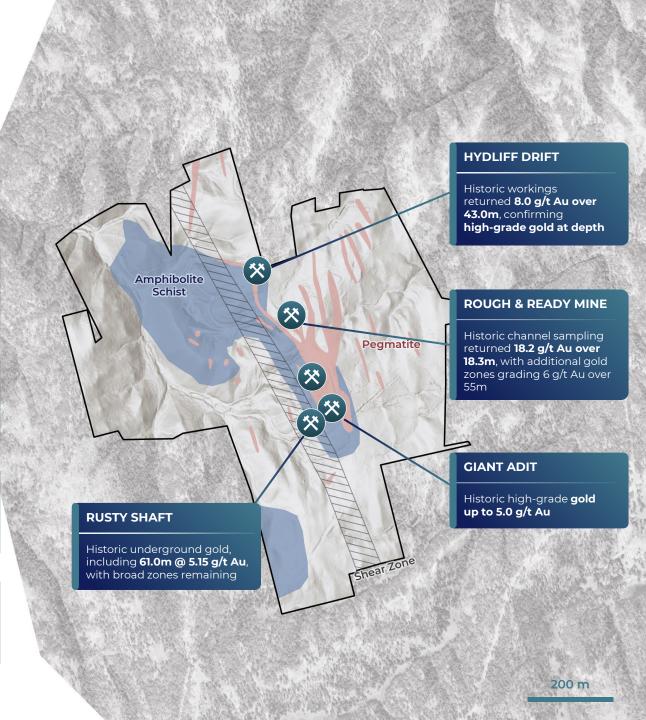
### Extensive High-Grade Gold System with Significant Expansion Potential

Hosts an extensive shear-hosted gold system, measuring **73m wide and 1.6km long**, with intersected high-grade mineralization **at surface** 

Historic workings at Rusty Shaft reported grades of **5 g/t – 15 g/t Au over 15-45m**, demonstrating strong high-grade continuity

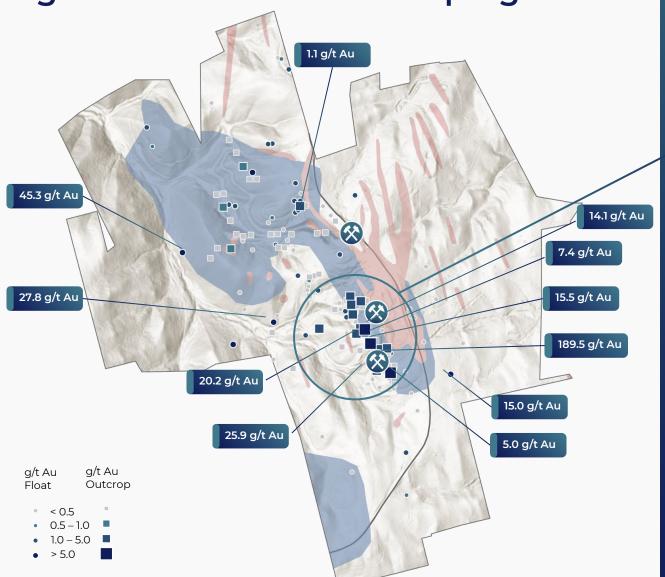
Shallow historic drilling (<50m depth) confirmed broad gold mineralization in all eight holes at Rusty Shaft, leaving major expansion potential

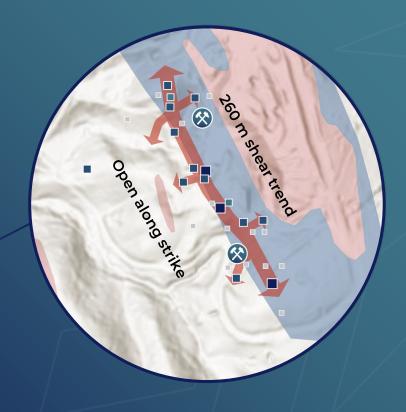
Historic channel sampling at the past-producing Rough & Ready Mine returned **18.2 g/t Au over 18.3m**, highlighting strong near-surface grades



### Shear Gold Target:

High-Grade 2025 Surface Sampling





Up to 189.5 g/t Au collected in float, and 14.0 g/t Au in outcrop

- 20 bedrock samples over 0.5 g/t Au
- 41 float samples over 1 g/t Au

Bedrock sampling has outlined a 260 m shear trend open along strike

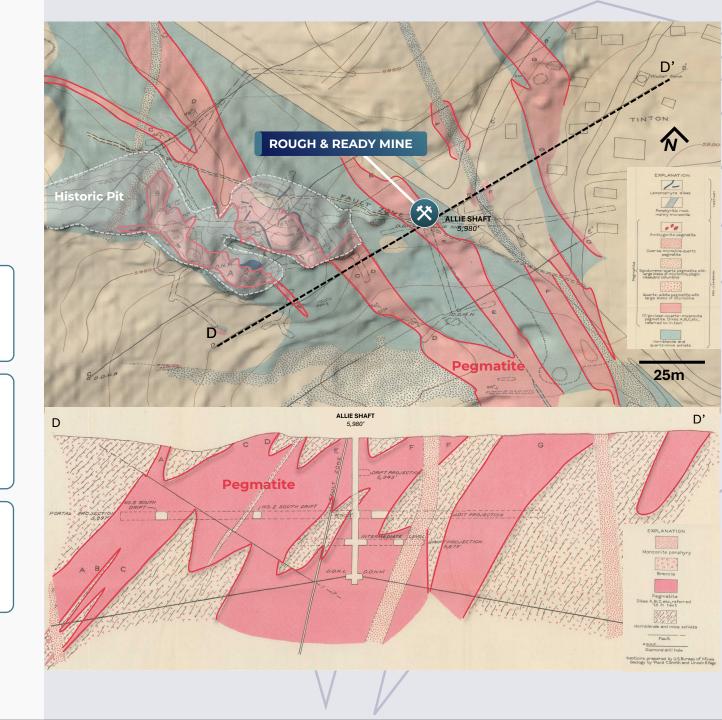


THE VOLNEY PROJECT

### Rough & Ready Mine Target

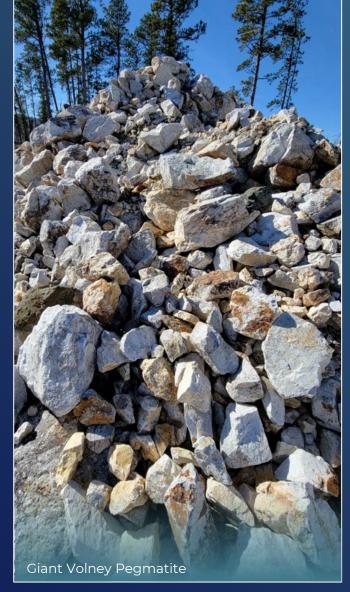
# High-Grade Tin, Gold, and Lithium Potential

- Historic Tin Production Produced 105,000 lbs of tin (1903–1927), including an exceptional
   62.5% Sn concentrate recorded in 1903
- ✓ Gold Mineralization Historic channel sampling returned 18.2 g/t Au over 18.3m, with drift sampling confirming 6.0 g/t Au over 55.0m, hosted in shear structures within amphibolite
- Spodumene-Bearing Pegmatites Zoned pegmatites with spodumene indicate significant untested lithium potential, on trend with the high-grade Giant Volney pegmatite





### Site Visit 2024











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### A Legacy of High-Grade Gold, Lithium & Tin Production

1886

**Gold Discovery** & Early Mining

First gold discoveries in alluvial drainage below Volney 1903-1927

**High-Grade Tin Production** & Underground Development

Extensive tin production with underground mine development

1903 - 1927

1928-1944

**Lithium & Tantalum Production Begins** 

High-grade lithium, tantalum, and tin concentrate production

1928 - 1929

1941 - 1944

1960s-1970s

Limited Exploration, No Modern Work

Drilling and sampling confirmed gold & lithium, but no follow-up exploration

1967

1973 - 1974

### Rough & Ready

UNKNOWN

1886

6.5 t of ore averaging 4.6% Sn shipped to Cornwall for treatment

Nellis (1973)

### Rough & Ready

TINTON MINING CO. TINTON REDUCTION CO. BLACK HILLS TIN CO.

Development of

740m of underground mine workings and production of 105,039 lbs of tin

Hess and Bryan (1938) Smith and Page (1941)

### Rough & Ready

TANTALUM HILL BLACK HILLS TIN CO.

Production of **1.5 t of** cassiterite concentrate @ 30.7% Sn and 13.1 t of tantalite concentrate @ 38.7-57% Ta<sub>2</sub>O<sub>5</sub>

Redfern (1992)

### **Giant-Volney**

FANSTEEL MINING CORP. UNDER LEASE FROM BLACK HILLS TIN CO.

Production of 1.080 t of spodumene concentrate with grades of 5.6% to 6.3% Li<sub>2</sub>O, 400 t of amblygonite concentrate @ 8.3% Li<sub>2</sub>O, 21.884 lbs of tantalite concentrates @ 45% Ta2O5,

and 3,800 lbs of cassiterite

Page et al. (1953)

### **Giant-Volney**

NORTON COMPANY

Drilled eight diamond core holes totaling 387.9 m targeting Ta(-Li) mineralization and 22.074 lbs of bulk samples collected

Nellis (1973)

#### **Giant-Volney** & Rustv

HOMESTAKE MINING COMPANY

8 rotary drill holes drilled to test shallow gold

occurrence at Rusty shaft

Shaddrick (1974) Norby (1984)

### Work Program

Q4

2024

FOUNDATION FOR EXPLORATION SUCCESS

- Project Acquisition (Completed: Oct 11, 2024)
- ✓ Data Review Verification and analysis of historic project data
- Target Mapping & Sampling - Pegmatite & gold zone sampling (Completed - results pending)

**Q1-Q2** 

2025

PREPARATION FOR DRILL PROGRAM

- Drill Permitting –
  Submission and approvals
- Geophysics Highresolution magnetic survey to refine targets

Q3

2025

INAUGURAL DRILL PROGRAM

Commence 5,000m Drill
Program – Testing highpriority gold and lithium
zones

Q4

2025

EXPANSION & REFINEMENT

Expanded Exploration – Additional fieldwork and target definition LION ROCK

### **Capital Structure**

TSX.V:ROAR

Share Price*	\$0.26

Market Cap\* \$20.5M

Shares Issue & Outstanding	78.9M
Warrants	41M
Options	6.5M
Fully Diluted	126M

\* As of July 14th, 2025



### Why Lion Rock Resources?



## High-Grade Gold & Lithium Potential

Proven high-grade gold & lithium mineralization with historic drill results up to 18.2 g/t Au over 18.3m and 5.4% Li<sub>2</sub>O in spodumene-rich pegmatites



## Strategic Location & Infrastructure

Located in South Dakota's Black Hills, a mining-friendly jurisdiction with road access, power, water, and proximity to active gold operations



# Untapped Discovery & Expansion Upside

Limited historic drilling (<50m depth) leaves significant expansion potential, with a 5,000m drill program planned for 2025 targeting priority zones



### Experienced Leadership

Proven track record of mineral discoveries, project development, and capital raising, led by a team with decades of experience in exploration & financing

### **Management & Board of Directors**

#### R. DALE GINN P.Geo.

President & CEO, Director

- 30+ years of experience as a mining executive and geologist, founding 10+ exploration and mining companies.
- Led or was part of the discovery teams for Gladiator,
   Hinge, 007, 777, Trout Lake, Edleston, and Tartan Lake deposits.
- Helped generate 10M+ ounces of gold resources and C\$500M in capital for exploration and development.
- Experience with Goldcorp, Harmony Gold, Hudbay,
   Wesmin, San Gold, Bonterra, and Gatling Exploration.
- Led the Bardwell/Boomerang Nickel discovery near Timmins, Ontario, for Aston Minerals.

#### **NAV DHALIWAL**

**Executive Chairman** 

- 20+ years of experience in capital markets, focused on maximizing shareholder value in the mining sector.
- Built a global financial network of institutional investors, family offices, analysts, brokers, and highnet-worth individuals.
- Long-standing relationships with major gold and energy metal funds; raised over \$500M for exploration and development.
- Currently serves as President, CEO & Director of Renegade Gold, Executive Chairman of Badlands Resources, and Director of Mason Graphite.

### P. JOSEPH MEAGHER CPA, CA

Director

- CFO for multiple publicly listed companies on the TSX-V and CSE with a background in financial management.
- Chartered Professional Accountant (CPA, CA) and Chartered Director (C.Dir.).
- Formerly with Smythe CPA (2005–2011) as Staff Accountant and Manager.
- Holds a Bachelor of Commerce from the University of British Columbia.

#### **LAURENCE FARMER**

Independent Director

- Legal and financial executive with over a decade of international experience in M&A, corporate finance, and capital markets.
- Currently serves as General Counsel, VP of Strategic Development, and Corporate Secretary at Osisko Development Corp.
- Co-Founder and CEO of Electric Elements Mining Corp., a privately held critical and precious metals exploration company.
- Played key roles in structuring and closing over US\$20B in mining sector transactions

#### **DOMINIC VERDEJO**

Director

- 12+ years of experience in venture capital markets, corporate development, and mineral exploration.
- Specialized in market strategy, financing, and corporate growth, holding director and senior officer roles in public companies.
- Extensive work in building and financing successful mineral exploration projects.

#### **RICK BOULAY**

Director

- 40+ years of experience in exploration, mining, and project financing across Canada and internationally.
- 15 years in mining and infrastructure financing, working with Bank of Montreal, Royal Bank of Canada, and Bank of Tokyo.
- Arranged financing for mining projects, nuclear reactors, pipelines, and offshore oil platforms.
- Extensive experience in public company management and financing in Canada and the U.S.



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