



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



December 2024

TSX.V: ROAR | lionrockresources.com

Forward Looking Statements

This presentation contains certain statements that may be deemed “forward-looking statements”. All statements, other than statements of historical fact, that address events or developments that Lion Rock Resources Inc. expects to occur, are forward-looking statements.

Forward-looking statements are statements that are not historical facts and are generally, but not always identified by the words “expects”, “plans”, “anticipates”, “believes”, “intends”, “estimates”, “projects”, “potential” and similar expressions, or that events or conditions “will”, “would”, “may”, “could” or “should” occur.

Although Lion Rock believes the expectations expressed in such forward-looking statements are based on reasonable assumptions, such statements are not guarantees of future performance and actual results may differ materially from those in the forward-looking statements. Factors that could cause the actual results to differ materially from those in forward-looking statements include market prices, exploration and production successes or failures, continued availability of capital and financing, inability to obtain required shareholder or regulatory approvals, and general economic market or business conditions.

Forward-looking statements are based on the beliefs, estimates and opinions of Lion Rock management on the date the statements are made.

Carl Ginn, P.Geo., has approved the information contained in this presentation. Mr. Ginn is a Qualified Person pursuant to National Instrument 43-101.

Investor Highlights



A High-Grade Gold-Lithium Play Unlike Any Other In the Prolific Black Hills of South Dakota

Ultra High-Grade Large-Scale Potential

Historic results include sampling up to 18.2 g/t Au over 18.3 m and 5.4% Li₂O and successful historic drilling limited to 50 m in depth

Private Land; Strategic Location

142 ha located in the Black Hills of South Dakota close to major mining projects incl. Coeur Mining and Dakota Gold

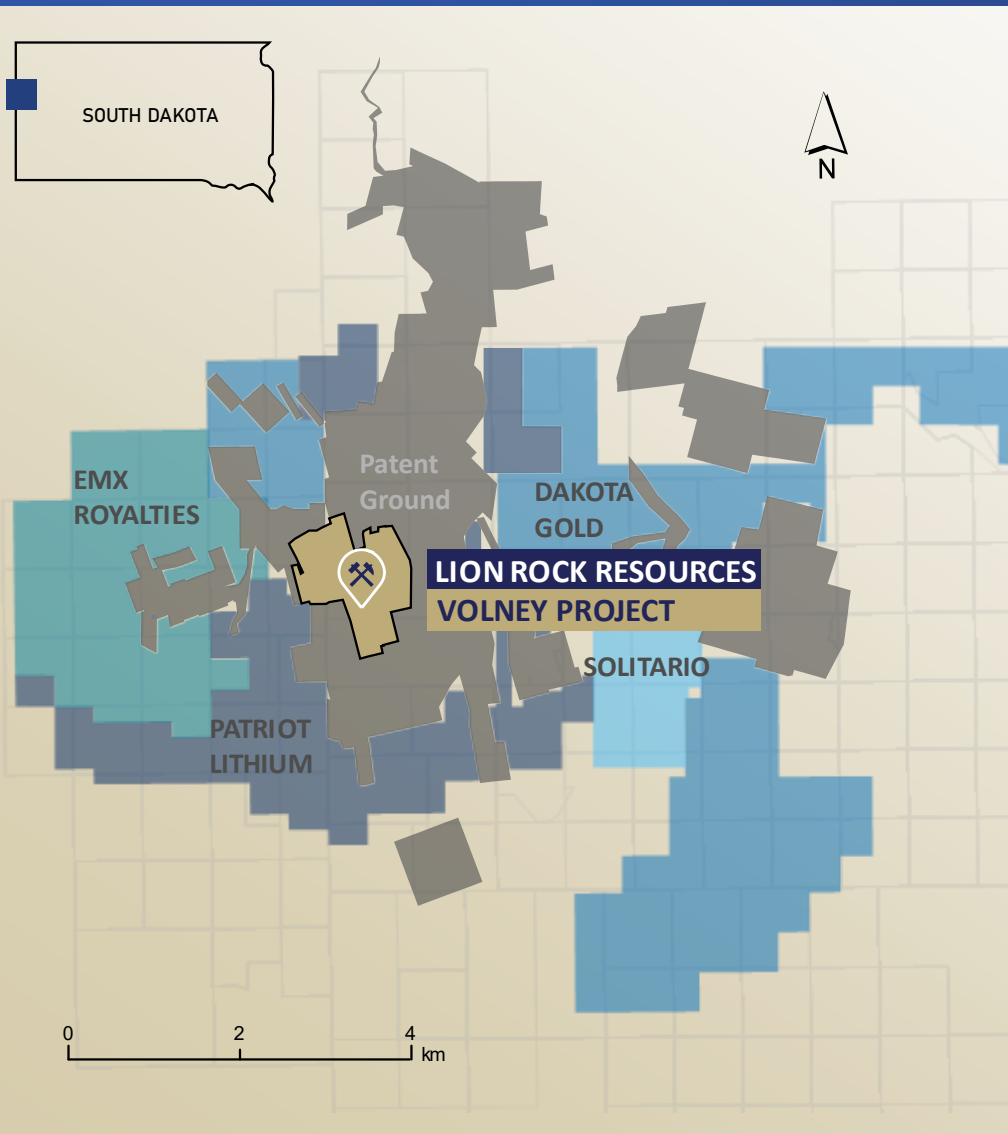
Experienced Team; Technical Excellence

Talented team with strong management track record and deep technical expertise

Accelerated Timetable

Rapid permitting path due to location of project on private land. Priority drill program planned H1, 2025

The Emerging Tinton District, South Dakota



142 ha on 38 Private Claims

Located in the Northwestern Black Hills, South Dakota

Year-Round Accessibility

Easily accessible by road

Proximal to Major Projects

- Homestake Mine (43.9M oz Au produced)
- Coeur's Wharf Mine (93K oz Au in 2023)
- Dakota Gold

Exceptional Potential

- Historic results from this underexplored district highlight significant opportunities for high-grade gold and lithium
- Interest in the region continues to grow rapidly



Volney Project Snapshot

Key Highlights

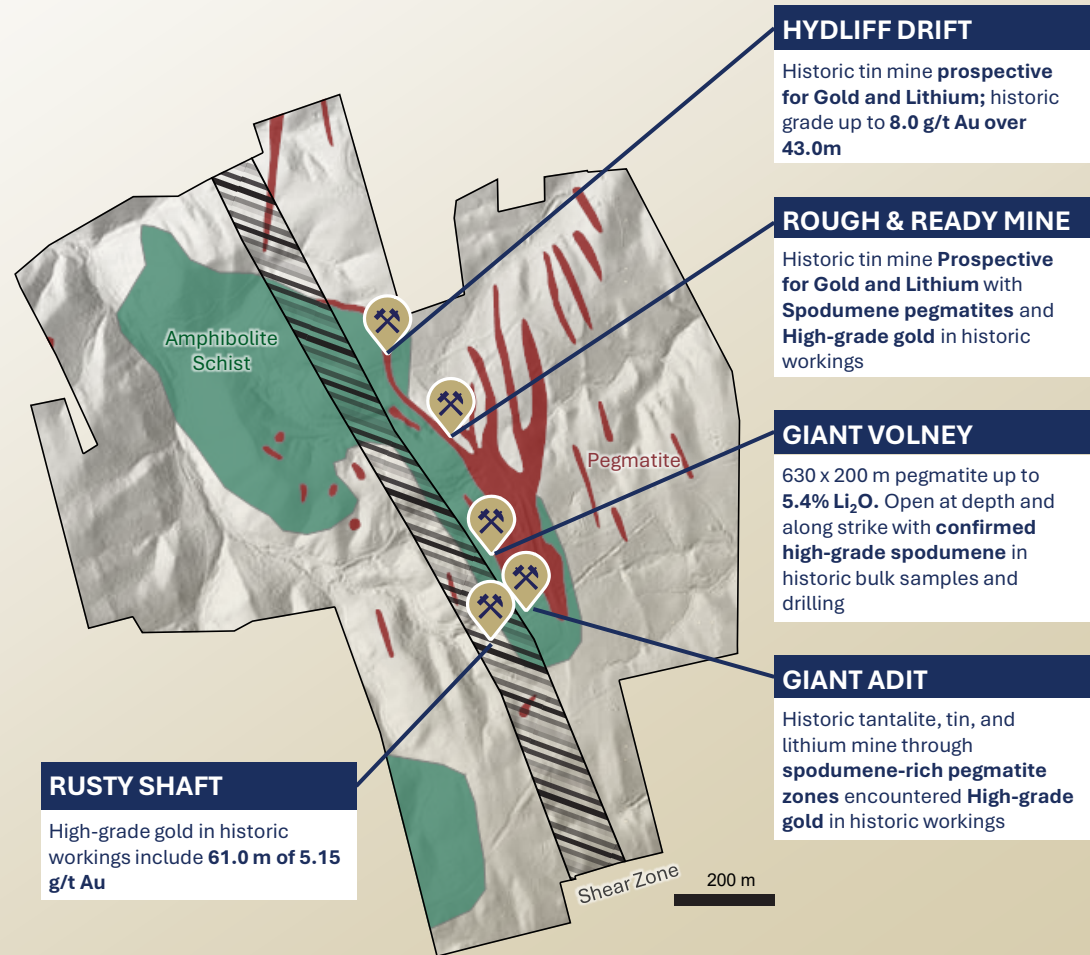
- Historically mined: Gold, Lithium, Tin and Tantalum
- Two predominant styles of mineralization:
 - Shear-hosted gold
 - Lithium-Tantalum-Tin within pegmatites

Host to Significant Targets

- The Giant Volney Pegmatite (Li)
- Rough & Ready Mine (Li, Au, Sn)
- Rusty Shaft (Au)
- Hydliff Drift (Au, Li)
- Giant Adit (Au, Li, Sn, Ta)

Project Features

- Located in prolific, mineral-rich region
- Multiple underexplored zones with expansion potential



High-Grade LCT-Type Pegmatite Swarm

“Potentially one of the highest-grade lithium projects in North America”

Multiple pegmatite bodies ranging from 10 to 23m wide at the Rough and Ready Mine, converge south to form single large lithium-rich pegmatite, **The Giant Volney**, over a strike length of 635m at surface

Historic spodumene-pegmatite sample highlights:

5.4% Li ₂ O	5.1% Li ₂ O
5.2% Li ₂ O	5.0% Li ₂ O

Historic bulk samples average **2.5% Li₂O** (10,000 kg)



Giant Volney Pegmatite – Significant Exploration Potential

HISTORIC SAMPLE HIGHLIGHTS

BULK SAMPLES

4.50% Li_2O
 4.18% Li_2O
 3.70% Li_2O
 3.64% Li_2O

DRILLING

1.47% Li_2O over 7.6m
 Incl. **2.90% Li_2O over 2.4m**

1.68% Li_2O over 5.2m
 Incl. **3.03% Li_2O over 2.1m**
 And **2.56% Li_2O over 3.0m**
 And **2.97% Li_2O over 1.7m**

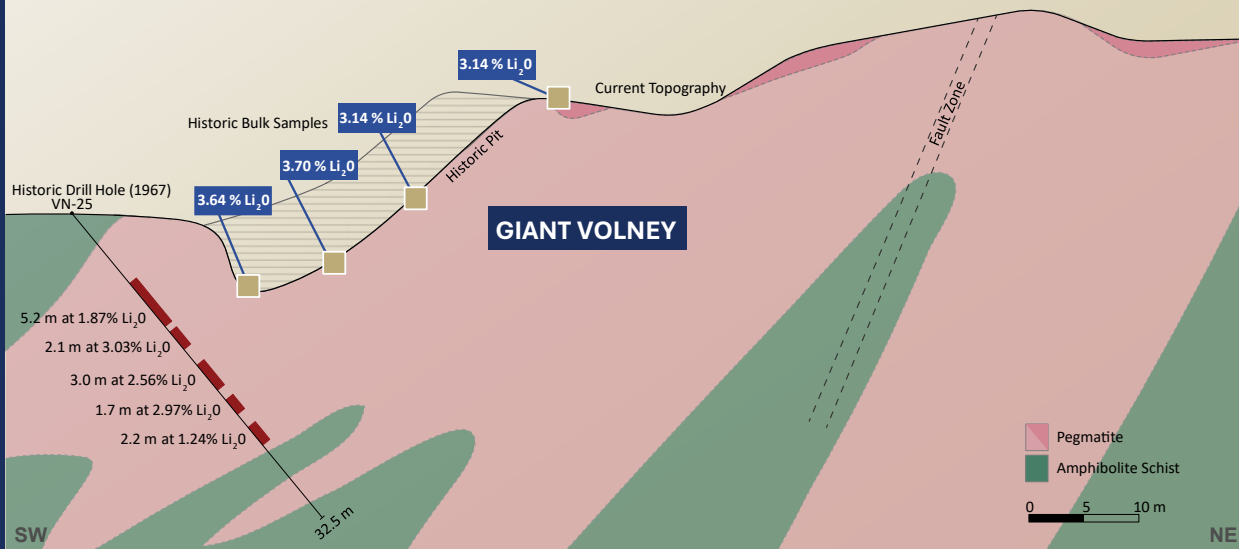
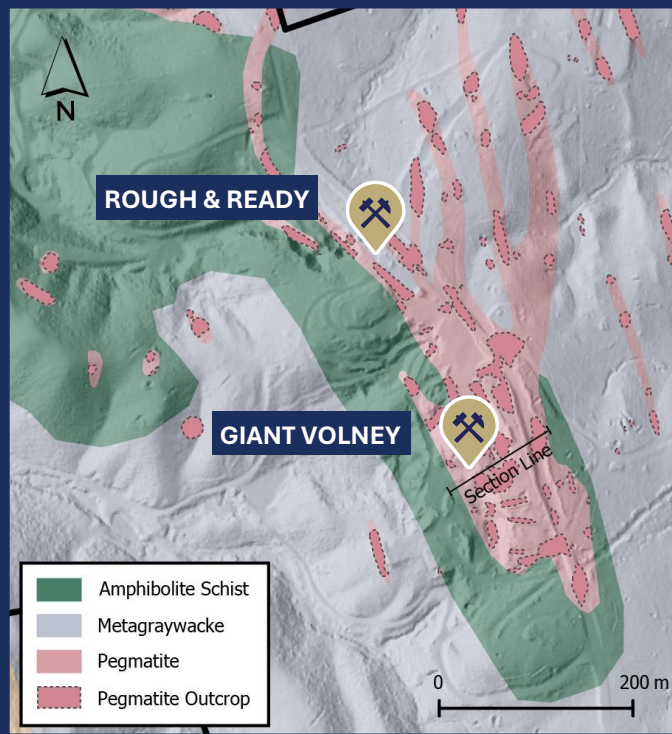
Large zoned pegmatite body 630m long and up to 200m wide

Exceptional grades: Bulk samples returned **grades up to 4.5% Li_2O** ; historic drill intercepts include **19.24m @ 1.68% Li_2O**

Exploration potential: Historically drilled to only 35 m depth, remaining **open along strike, dip and down plunge** for expansion

Strategic Trend: property spans 1.6 km along a lithium-rich pegmatite trend, hosting multiple untested pegmatites

On trend with Rough & Ready Mine with known **spodumene zones**



High-Grade Gold Targets Across the Volney Project

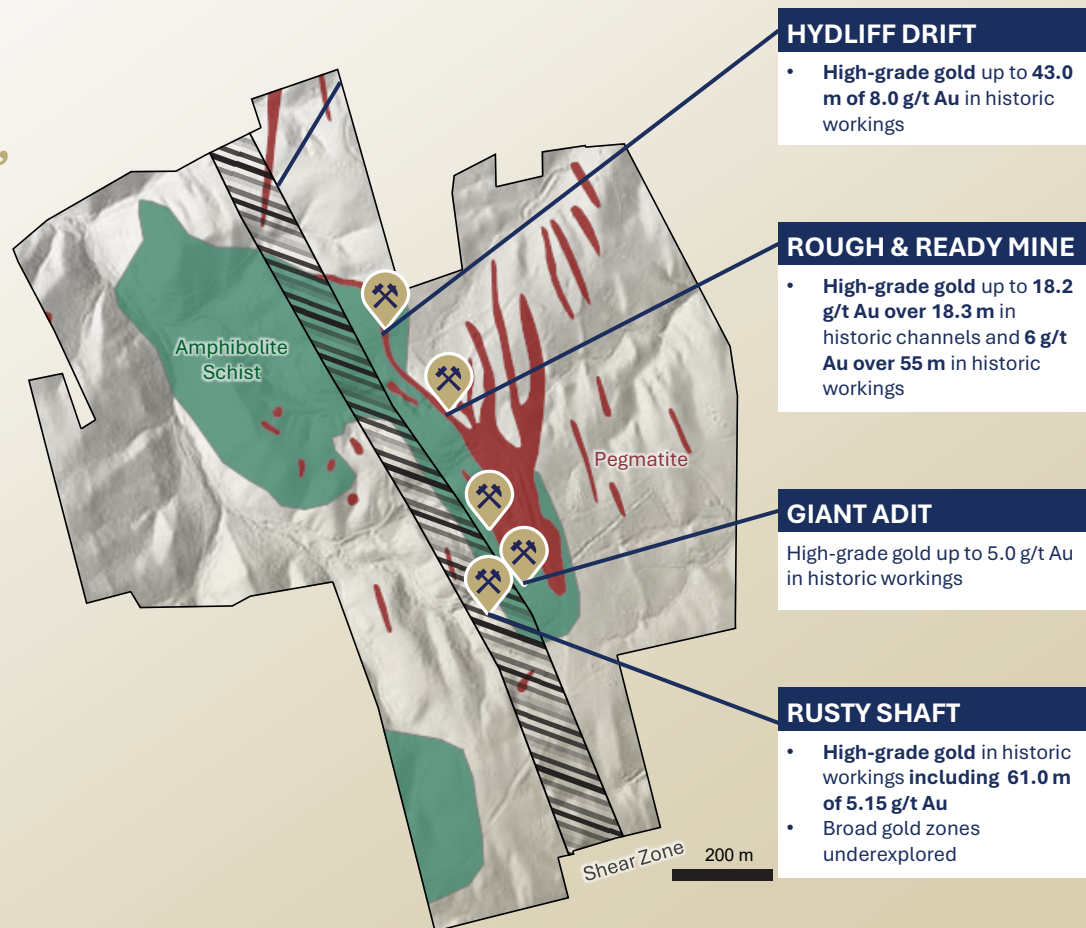
“Host to a gold system that runs the length of the property and with no prior drilling below 50 m”

Volney contains an extensive shear hosted gold system measuring over 73m wide and **tested over a strike length of 3.5km**

Historic workings at the Rusty Shaft reported intersections of **5 g/t- 15 g/t Au over 15-45 m**

Historic drilling (limited to 50 m in depth) hit wide mineralization in all eight holes at the Rusty Mine Shaft

Historic sampling returned **18.2 g/t Au over 18.3 m** in channel sampling at the past-producing, shallow-depth Rough and Ready mine



Rough & Ready Mine

Multi-Commodity Potential in Tin, Gold, and Lithium

Historic Tin Production

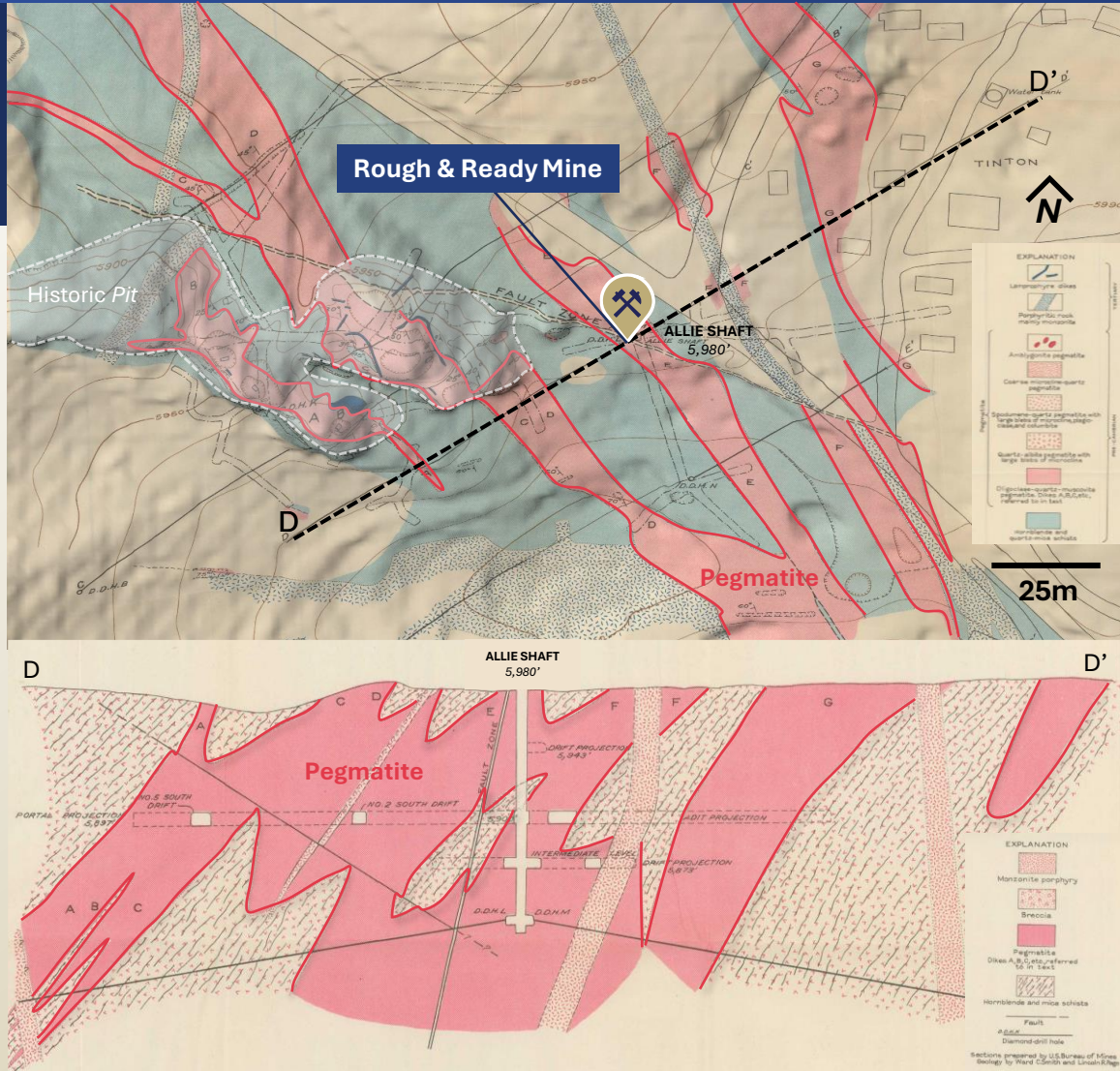
- Produced over 105,000 lbs of tin (1903–1927)
- Exceptional grade: **62.5% Sn concentrate** in 1903

Gold Mineralization

- Historic channel sampling returned **18.2 g/t Au over 18.3m** and drift sampling returned **6.0 g/t over 55.0m**
- Shear-hosted gold structures in adjacent amphibolite unit

Spodumene-Bearing Pegmatites

- Zoned pegmatites with spodumene - significant untested potential for lithium mineralization
- On trend with high-grade Giant Volney pegmatite**



Site Visit 2024



Volney Property History

Gold discovered and mined in alluvial drainage below Volney property in the late 1800's

Rough and Ready mine was primarily a Tin Producer while the Giant Volney consisted of high concentrations of Lithium and Tantalum

Limited and sporadic exploration for gold and lithium occurred in the 1960's and 1970's, no significant exploration has taken place since

1886

1903 - 1927

1928 - 1929

1941 - 1944

1967

1973 - 1974

Rough & Ready

UNKNOWN

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 740 m 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% Ta₂O₅

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% Li₂O, 400 t of amblygonite concentrate @ 8.3% Li₂O, 21,884 lbs of tantalite concentrates @ 45% Ta₂O₅, and 3,800 lbs of cassiterite

Page et al. (1953)
Redfern (1992)

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 & Rusty

HOMESTAKE MINING COMPANY

8 rotary drill holes drilled to test shallow gold occurrence at Rusty shaft

Shaddrick (1974)
Norby (1984)

Timeline and work program

Q4
2024

Project Acquisition
(Completed: 10/11/24)

Data Review:
Verification and analysis
of historic project data

**Target Mapping &
Sampling:** focused on
pegmatite and gold zones
(Completed – results
pending)

Q1
2025

Drill Permitting:
Submission and
approvals

Geophysics:
High-resolution
magnetic survey

Q2
2025

Drill Program: 5,000m
targeting high priority gold
and lithium zones

Q3
2025

Expanded Exploration:
Additional fieldwork and
target definition

Management Team

R. DALE GINN P.Geo.

President & CEO, Director

Mr. Ginn is an experienced mining executive and geologist with over 30 years of experience. He is the founder of over ten exploration and mining companies and has led and participated in a variety of gold and base metal discoveries, many of which have entered production. Mr. Ginn has led or was part of the discovery teams for the Gladiator, Hinge, 007, 777, Trout Lake, Photo, Edleston and Tartan Lake deposits. His contributions have led to approximately 10 million ounces in resource generation as well as over C\$500 million in capital raised for exploration and development projects. His experience includes both senior and junior companies such as Goldcorp, Harmony Gold, Hudbay, Westmin, San Gold, Bonterra, Gatling Exploration and others. Most recently, Mr. Ginn led the discovery of the Bardwell/Boomerang Nickel deposit near Timmins, Ontario, for Aston Minerals

NICK RODWAY P.Geo.

Director

Mr. Rodway is the President & CEO and a co-founder of Core Assets Corp. (CSE-CC). He holds a Bachelor of Science Degree in geology from Memorial University of Newfoundland, a Masters Degree in Exploration and Mining Leadership from Queens University, and is a member of the Association of Engineers and Geoscientists of British Columbia. Mr. Rodway has worked intensively with publicly-traded companies for the past ten years, where he has played strategic roles in project management company building, and financing.

DOMINIC VERDEJO

Director

Mr. Verdejo has over 12 years of experience in the venture capital markets, specializing in the design and implementation of market strategies and corporate development. He has expertise in the mineral exploration and development sector and has been involved in the building and financing of many successful public companies. Mr. Verdejo has held director and senior officer positions in several public companies.

P. JOSEPH MEAGHER CPA, CA

Chief Financial Officer

Mr. Meagher is a Chartered Professional Accountant (CPA, CA) and a Chartered Director (C.Dir.). He is currently the CFO for several publicly listed companies on the TSX-V and CSE. Previously, Mr. Meagher worked at Smythe CPA from 2005 to 2011, where he was a Staff Accountant and then later a Manager. Mr. Meagher holds a Bachelor of Commerce from the University of British Columbia."

RICK BOULAY

Director

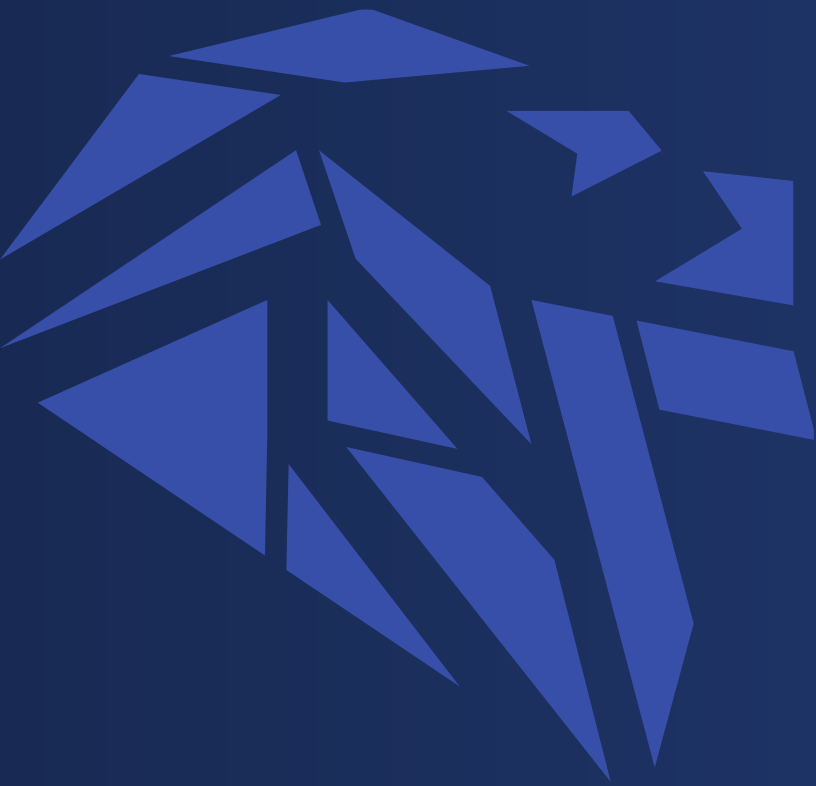
Mr. Boulay is a geologist with over 40 years of experience in the exploration and mining industries in Canada and internationally, including 15 years of mining and infrastructure financing experience gained with Bank of Montreal, Royal Bank of Canada and Bank of Tokyo. During Mr. Boulay's project financing career, he arranged the financing of numerous underground and open pit mining projects, hydro and diversion dams, nuclear reactors, pipelines and offshore oil exploration and production platforms. He has extensive experience in the management and financing of public companies in Canada and the United States.

Share Capital

TSX.V: **ROAR**

As of December 3, 2024

Share Price	\$0.14
Outstanding	41.8 M
Warrants	24.1 M
Options	0
Fully Diluted	65.9 M
Market Cap. (Basic)	5.6 M



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