RIO GRANDE RESOURCES

CSE: RGR | OTCQB: RGRLF

Rio Grande Resources

Historic High-Grade District | Modern Exploration | Phase 1 Drill Targeting

Summer 2026 Investor Presentation

riograndereresources.ca

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Such forward-looking statements and information include, without limitation “plans for the evaluation of exploration properties including the Ivanhoe, Ivanhoe and Little Granite; the success of evaluation plans; the success of exploration activities; mine development prospects; potential for future metals production; changes in economic parameters and assumptions; all aspects related to the timing and extent of exploration activities ; timing of receipt of exploration results; the interpretation and actual results of current exploration activities and mineralization; changes in project parameters as plans continue to be refined; the results of regulatory and permitting processes; future metals price; possible variations in grade or recovery rates; failure of equipment or processes to operate as anticipated; labour disputes and other risks of the mining industry; the results of economic and technical studies; delays in obtaining governmental and local approvals or financing or in the completion of exploration; and timing of assay results.

The technical content of this power point has been reviewed and approved by Michael Feinstein, PhD, CPG, who is a Qualified Person as identified by Canadian National Instrument 43-101-Standards of Disclosure for Mineral Projects

RIO GRANDE HIGHLIGHTS

EARLY EXPOSURE
Strategic exposure to high-potential gold and silver projects offers significant discovery upside, complementing core gold holdings.

POVERTY CREEK
Poverty Creek has become a key focus area after recent work traced multiple mineralized vein systems and defined several structural corridors across defined drill target area.

LOCATION
The projects is in an area of New Mexico that is not only geologically promising but also has a significant past with gold and silver production

MARKET CONDITIONS
Ideal environment for advancing projects, attracting capital, and creating shareholder value conditions as gold and silver hits historic highs

EXPERIENCED TEAM
Dahrouge Geological Consulting brings more than 50 years of mineral exploration experience and a large multidisciplinary team focused on advancing projects from target generation through discovery and development

WINSTON PROJECT LOCATION MAP

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The Winston Project is a ~3,000-acre, drill-ready gold-silver property located in the historic Chloride Mining District within the Black Range Mountains of Sierra County, New Mexico, USA.

The property hosts three historic high-grade gold-silver mines — Ivanhoe, Emporia and Little Granite — together with the emerging Poverty Creek Project, where recent exploration has identified high-grade gold and silver mineralization and expanded the project's exploration potential beyond the historic mine areas.

Rio Grande controls the broader Winston land package through 147 unpatented BLM mining claims and two patented lode mining claims, providing extensive ground for continued exploration across this historically productive district.

HIGH-GRADE MINERALIZATION

Winston Group of Properties Highlights

Historic high-grade mines emerging Poverty Creek target area create a broader Winston exploration story.

Little Granite

66.5 g/t gold and 2,940 g/t silver; main vein traced for over 200 metres past drilling and remains open along strike and at depth

Ivanhoe & Emporia

Peak values of 26.8 g/t gold & 1,670 g/t silver from Ivanhoe, and 46.1 g/t gold and 517 g/t silver from Emporia

Poverty Creek

Peak sample results including 46.3 g/t gold and 1,030 g/t silver in channel samples, with mapping tracing multiple vein systems

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WINSTON:
Historic High-grade District, Modern Discovery Opportunity

Historic High-Grade District

Past-producing gold-silver mines at Ivanhoe, Emporia and Little Granite establish a long history of high-grade precious-metal mineralization within the Winston Project area

Underexplored Epithermal System

Modern mapping and sampling indicate Winston hosts a structurally controlled, low-sulfidation epithermal gold-silver system with multiple mineralized vein trends, including the emerging Poverty Creek target area

Modern Targeting Opportunity

Recent exploration has advanced Winston from a historic mining story to a data-driven drill opportunity, integrating high-grade surface results, structural mapping and airborne geophysics ahead of anticipated Phase 1 drilling

GEOLOGICAL HIGHLIGHTS

A structurally controlled gold-silver system with multiple emerging target areas

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FAVOURABLE GEOLOGY

Winston is interpreted as a low-sulfidation epithermal system centered on the Paymaster Fault corridor and subsidiary splays.

MINERALIZATION

High-grade gold and silver mineralization occurs across historic mines and newer target areas, including Poverty Creek.

TARGET POTENTIAL

Mapping, sampling and airborne geophysics are advancing a property-wide model to prioritize drill-ready targets.

Modern exploration is expanding Winston beyond historic high-grade mines and defining new drill targets across a broader district-scale system.

POVERTY CREEK
Emerging High-Grade Target Corridor at Winston

Recent fieldwork has advanced Poverty Creek into a priority target area by connecting high-grade surface results with mapped vein corridors and Phase 1 drill targeting

46.3 g/t Au	**67.1 g/t Au**	**26.1 g/t Au**
and 1,030 g/t Ag in channel samples	in grab samples	and 348 g/t Ag in rock-chip samples

Why Poverty Creek Matters

- ✓ **Multiple mineralized structural corridors defined across the target area**
  Structural mapping refined vein orientation, geometry and continuity
- ✓ **High-grade mineralization confirmed across multiple sample types**
  Channel, grab and rock-chip results support target quality
- ✓ **Initial Phase 1 drill pad locations established**
  Modern data integration is prioritizing drill-ready targets

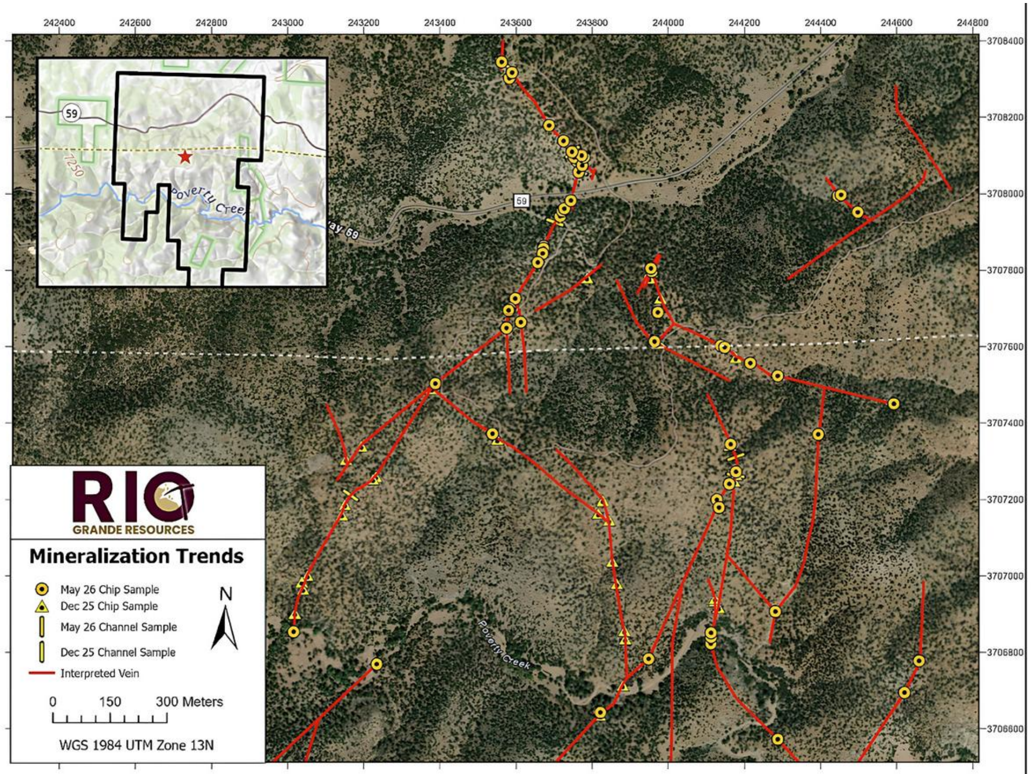


Figure 1: Mapped mineralization trends and sample locations in the Poverty Creek target area

Poverty Creek expands Winston beyond the historic mine areas and supports a broader, district-scale epithermal gold-silver targeting story.

2026 EXPLORATION

Integrated Exploration Returns Promising District Scale Potential

Systematic Exploration Approach

2026 program integrated mapping, sampling, and historic data with 72 samples collected across multiple target areas

High-Grade Results Across Multiple Zones

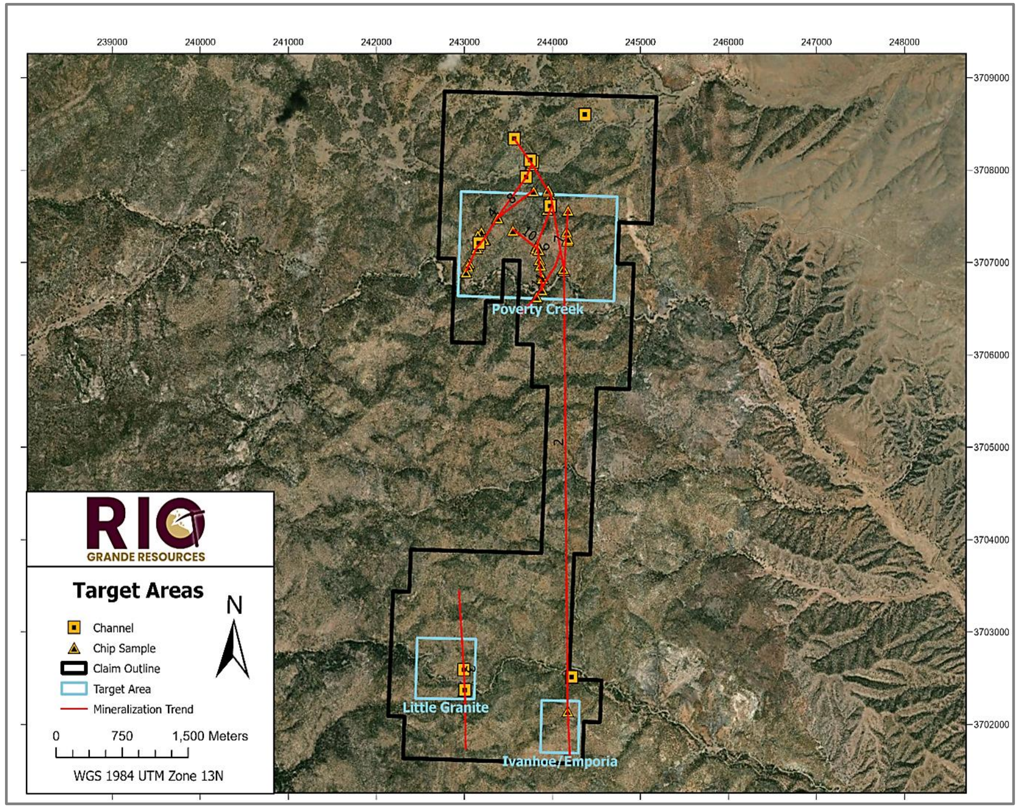
- Up to **41.2 g/t Au** and **1,435 g/t Ag**
- Mineralization identified at:
  - Poverty Creek (new)
  - Ivanhoe–Emporia
  - Little Granite

Emerging Geological Model

- Structurally controlled epithermal system
- Multiple vein orientations and intersections
- Evidence for **stacked/plunging high-grade shoots**

Sample Highlights Include:*

Sample ID	Au (g/t)	Ag (g/t)
WIN-120725-16	**29.5**	**1,435**
WIN-120725-17	6.3	605
WIN-120725-18	4.34	303
25-WIN-G-CH	9.87	291



Target Areas and Interpreted Mineralized Trends Across the Winston Project

Multiple mineralized trends identified across a structurally controlled system

*For a list of full assay results please visit Riograndesresources.ca

2026 AIRBORNE GEOPHYSICS

Mag Survey Defines Potential Structural Framework and Subsurface Targets

Property-Wide Geophysics Identifies New Drill Targets

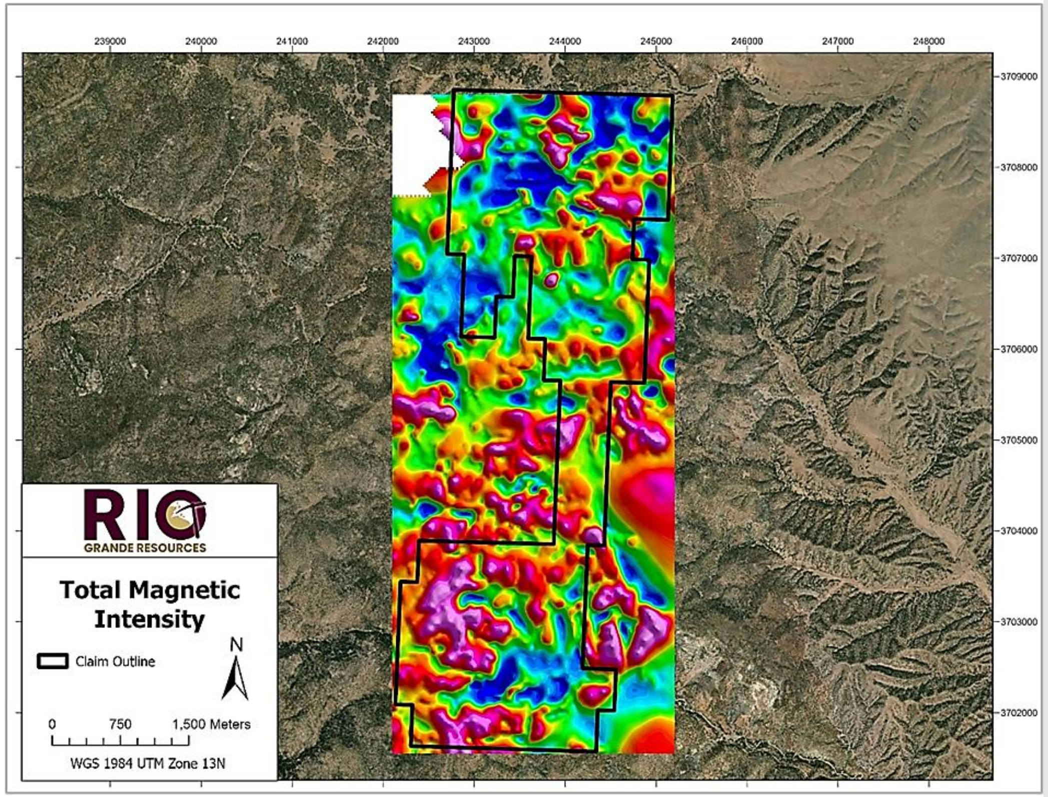
Airborne high-resolution magnetic and radiometric survey program conducted in Spring of 2026, completed 384 line km flown at 50 m spacing, and covered ~19.2 km² which represents 100% of project area

Technical Outcomes

- Multiple linear magnetic trends interpreted as fault corridors
- Zones of magnetic disruption indicating structural complexity
- Radiometric anomalies (U/Th ratios) highlighting hydrothermal alteration

Exploration Significance

- Confirms structural controls on mineralization
- Identifies previously untested subsurface targets
- Expands targeting beyond surface-defined zones



Geophysics adds a subsurface targeting layer across a structurally complex mineralized system

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***For a list of full assay results please visit Riograndresources.ca**

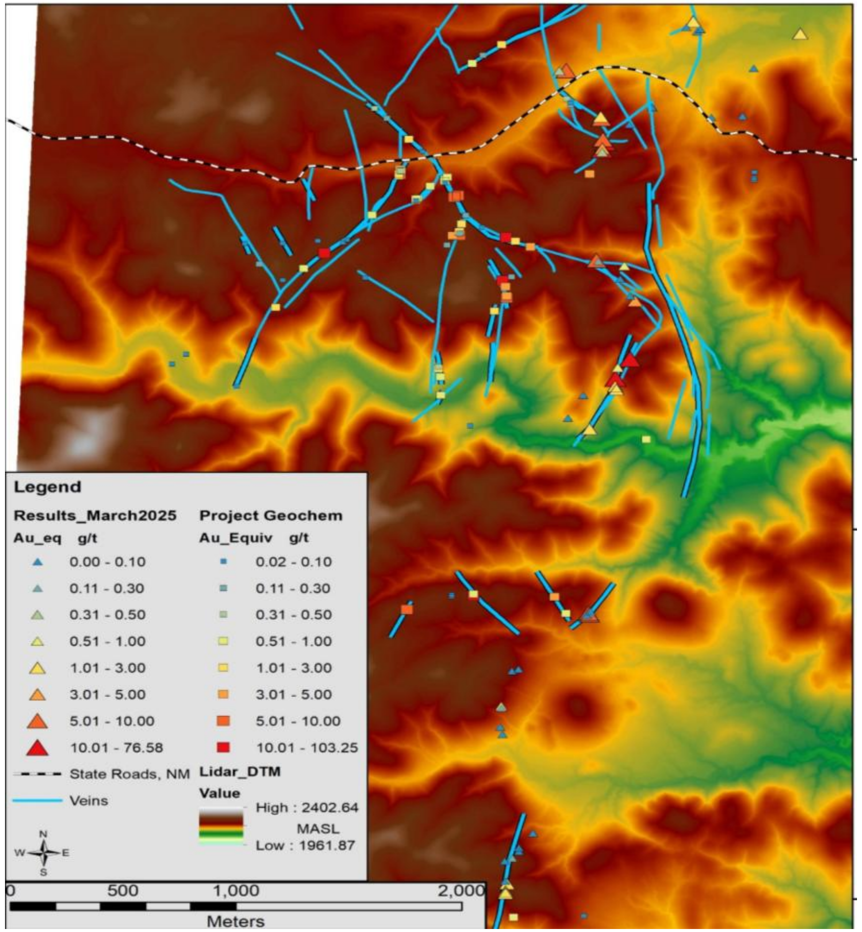
RECENT EXPLORATION

2025 Exploration Results Expanding a Multi-Phase System

The program released results on June 18, 2025, focused on the Paymaster Fault Corridor and identified several new mineralized veins and confirmed high-grade gold and silver mineralization across multiple vein systems

Highlights Include

- Assay Results include 66.2 g/t Gold and 830 g/t Silver
- 1.5km of continuous mineralization confirmed along Paymaster Fault corridor
- 1 sample assayed 2.76% Cu from a historic 20ft shaft on a copper-oxidized andesite breccia



Property Map with New Results Illustrated as Coloured Triangles.

These results serve to reinforce the project's exploration potential and indicate that a large, **multi-phase hydrothermal system is present** with future field work focused on expanding geochemical footprints

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THE WINSTON PROPERTY HISTORY

Ivanhoe & Emporia and Little Granite

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Each mine produced high-grade gold and silver during full-time operations over a century ago, underscored by Little Granite producing high value ore in some of its underground shoots.

- **The Ivanhoe and Emporia patented mining claims** each contain a past producing gold-silver mine, under the same names. High grade deposits of silver and gold were discovered in 1880 when the Chloride District was a major producer until the 1893 crash in silver price
- The property last was drilled in the 1980s, at multiple targets within the Winston Property
- **The Little Granite Mine** completed a 1984 diamond drilling program for seven (7) boreholes and based on historical records, every borehole hit meaningful gold and silver values.

The Winston Property has had little to no modern exploration since the early 1980's

THE LITTLE GRANITE MINING CLAIMS HISTORY

Four claims Comprised of Past-Producing High-Grade Silver-Gold Mine hosted in Tertiary volcanics

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Each mine produced high-grade gold and silver during full-time operations over a century ago

The main vein has been traced over 200 metres by past drilling and underground workings and remains open along strike to both the north and south, and at depth

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Historical reporting suggests the vein widens to approx 3m (10ft) at depth, with high-grade values, confirmed by Foremost in 2020, during a sampling program

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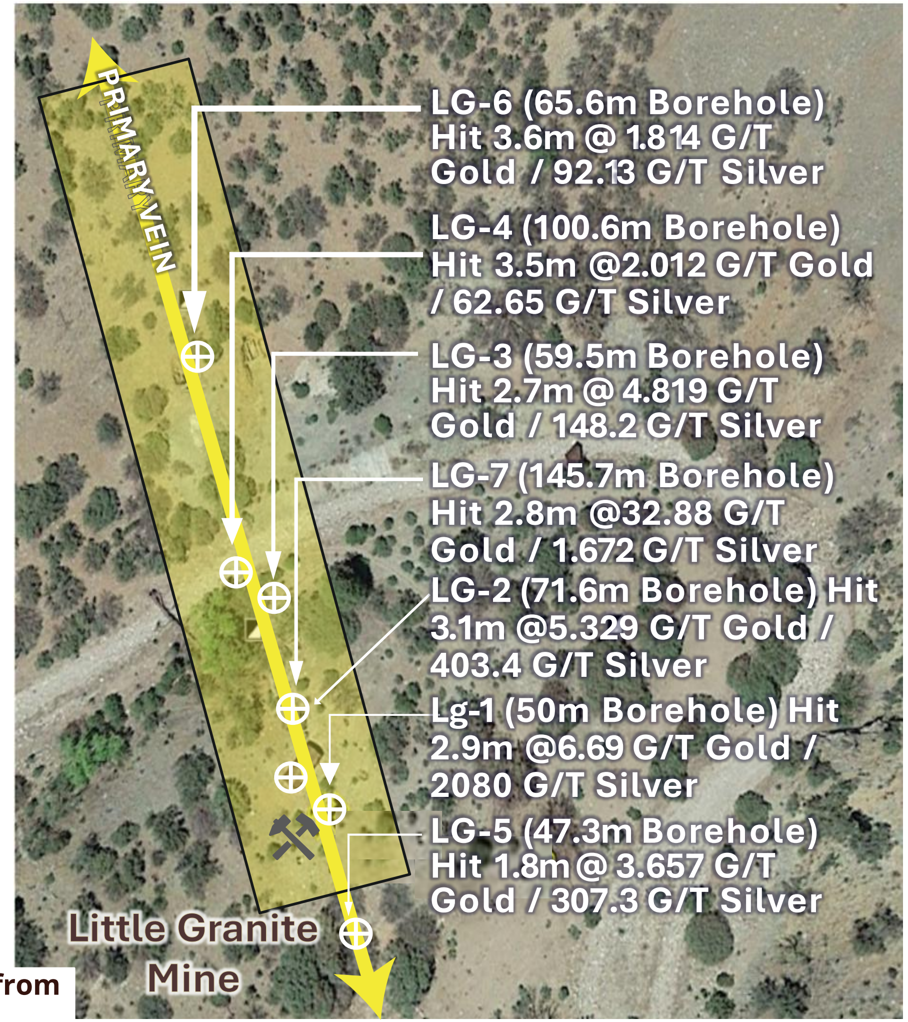
Results of the 1984 seven (7) borehole diamond drilling program are in table below. Gold values increased with depth and were highest in the deepest (LG-7) borehole 1.16 ounces per ton of Gold (32.88 g/t)

Hole	Bearing	Dip	Vein From	Vein To	AU G/T	AG/GT	Apparent Thickness	True Thickness	Total Depth
LG-2	S 72° W	-78°	157.0 FT	172.0 FT	16.69	2080	15.00 FT (4.6 M)	9.64 FT (2.9 M)	164.0 FT (50.0 M)
LG-2	0	-90°	216.0 FT	232.0 FT	5.329	403.4	16.00 FT (4.9 M)	10.28 FT (3.1 M)	235.0 FT (71.6 M)
LG-3	N 86° W	-80°	193.5 FT	207.5 FT	4.819	148.2	14.00 FT (4.3 M)	9.00 FT (2.7 M)	195.0 FT (59.5 M)
LG-4	0	-90°	221.0 FT	239.0 FT	2.012	62.65	18.00 FT (5.5 M)	11.57 FT (3.5 M)	330.0 FT (100.6 M)
LG-5	0	-90°	139.0 FT	148.0 FT	3.657	307.3	9.00 FT (2.7 M)	5.78 FT (1.8 M)	155.0 FT (47.3 M)
LG-6	N 77° W	-81°	190.0 FT	207.0 FT	1.814	92.13	17.50 FT (5.3 M)	11.82 FT (3.6 M)	215.0 FT (65.6 M)
LG-7	N 90° W	-79°	441.5 FT	456.0 FT	32.88	1.672	14.50 FT (4.4 M)	9.32 FT (2.8 M)	478.0 FT (145.7 M)



*Historical results from 1984 drill program

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*The estimated potential of the quantity and grade of the mineralization listed above is conceptual in nature and there has been insufficient exploration to define a mineral resource using NI 43-101 guidelines. Additionally, it is uncertain if further exploration will result in the targets being delineated as a mineral resource. The expressed potential of the targets is based on the results of extensive historical underground channel sampling and bulk sampling of surface dumps.

THE IVANHOE EMPORIA CLAIMS HISTORY

A Past Producing Gold-Silver Mine Comprised of 2 Patented Lode Claims

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The main shaft has a depth of 384 feet with a 370ft decline

- Three (3) samples were collected from piles of quartz dump material near the mouth of the mine excavated in the early 1980s
- Two (2) of these composite samples, representative of the main style of quartz present, returned values of 179 g/t Ag and 2.9 g/t Au and 170 g/t Ag and 6.7 g/t
- A third composite sample of fine-grained grey "cherty" quartz material found on one of the dumps returning values of 1,439 g/t Ag and 25.2 g/t Au

MINE	EXPL TGT SIZE (tons)	AU (opt)	AG (opt)	AU + AG	BASIS OF ESTIMATE	REFERENCE *
Emporia & Ivanhoe	8,704 to 350,000	0.146 to 0.248	4.46 to 15.75	NR	7 composite bulk dump samples from 64 pits	Daffron (1978)
Emporia & Ivanhoe	191,000 to 350,000	0.005 to 2.470	1.93 to 39.00	NR	18 channel samples + 22 channel samples	Lemback (1978) Ristorcelli (1980)
Emporia & Ivanhoe	16,566 to 121,066	0.055 to 0.056	6.23 to 7.77	NR	94 channel samples + 55 channel samples	Freeman (1986) Freeman (1989)

Table Displays Historical Data based on Exploration Target for Combined Emporia and Ivanhoe Mines, Sierra County, New Mexico (Based on Entwhistle, 1944; Entwhistle, 1948; Ristorcelli, 1980; Freeman, 1986; and Freeman, 1989)

Mining in this area ceased due to the decline in the price of silver and gold; not for a lack of significant mineralization suggesting that significant potential of this region remains exciting

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2021 SAMPLE PROGRAM

Little Granite, Ivanhoe & Emporia Mines

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Many high-grade samples were collected under Michael Feinstein, CPG, QP, who visited the Winston Project area on ten separate occasions since October 2020 where he conducted confirmatory sampling of the known historic mines, as well as prospecting away from the known occurrences

Peak Values Sampled	
Gold	66.5 g/t
Silver	4,610 g/t

Mine	Grams per Ton Gold	Grams per Ton Silver
Little Granite	66.5	2,940
Ivanhoe	26.8	940
Emporia	44.9	517
Prospecting Best	41.5	4,610

Little to no modern exploration since the early 1980's with a potential for district-scale discovery in a precious metal endowed low-sulphidation epithermal vein system**.**

EXPLORATION WORKFLOW

A Modern Exploration Model

Building targets from surface evidence to drill-ready locations.

01 Surface Sampling

Channel, grab and rock chip sampling to identify mineralized vein exposures.

02 Structural Mapping

Mapping of vein orientations, faults and alteration to define controls on mineralization.

03 Airborne Geophysics

Magnetic and radiometric data used to identify structural corridors and alteration zones.

04 Integrated Targeting

Historical data, assays, mapping and geophysics are combined to prioritize targets.

05 Phase 1 Drilling

Priority targets move into the first modern drill program in decades.

CAPITALIZATION & BALANCE SHEET

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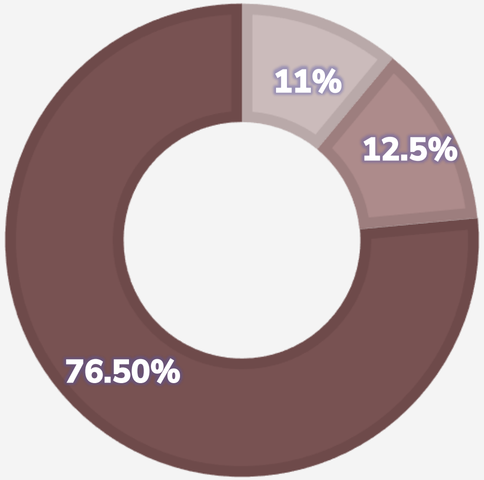
Share Structure



76.50%	Retail & Other
~11.00%	Foremost
~12.50%	Management, Directors & Insiders

TICKER:	CSE:RGR OTCQB: RGRLF
Share Price as of August 07, 2026	$.34
Share Price Range[1]	C$.15 – C$.56
Basic Shares Outstanding[2]	46.81M
Options[2]	1.97M
RSUs[2]	1.58M
Warrants[2]	11.4M
FD Shares Outstanding[2]	61.76
Market Capitalization (Basic) [2]	C$15.91

Prices are in CND DOLLARS

1. *Range from August, 2025 to August, 2026*
2. *As of August 07, 2026*

MANAGEMENT AND DIRECTORS

Mr. Barnard is also the President and CEO of Foremost Clean Energy since 2022. He has 28+ years experience in global capital markets and been involved in raising over $500 million dollars for mining and exploration companies

Jason Barnard
CEO and Director

Ms. Barnard has over 20 years of public company experience in key areas including operational management. She had a major role in Rio Grande's formation. And has held senior roles at Foremost Clean Energy since 2020, supporting major milestones including its 2023 Nasdaq listing.

Christina Barnard
President

Mr. Bouwman has been working with public markets on the NASDAQ and the CSE Exchange since 2022. He obtained his Bachelor of Commerce with a major in Management, Economics, and Finance from the University of Guelph.

Curtis Bouwman
Chief Financial Officer

Mr. Strafehl has over two decades of experience in the finance and resource sectors, serving as a director and officer including Tearlach, Goldex and NickleOne. He was an adviser to the $300 million merger of Valley High Ventures Ltd. and Levon Resources Ltd. in 2011.

Ray Strafehl
VP of Corporate Development and Director

Mr. Silas as extensive experience in public companies having served as CFO, officer, corporate secretary, or director for several organizations. He currently is a director, and the Vice President of Corporate Development and the Corporate Secretary of Guanajuato Silver Company Ltd.

Richard Silas
Independent Director

GOLD INDUSTRY OVERVIEW

Strong Macro-Economic Trends is Driving Gold to All-Time Highs

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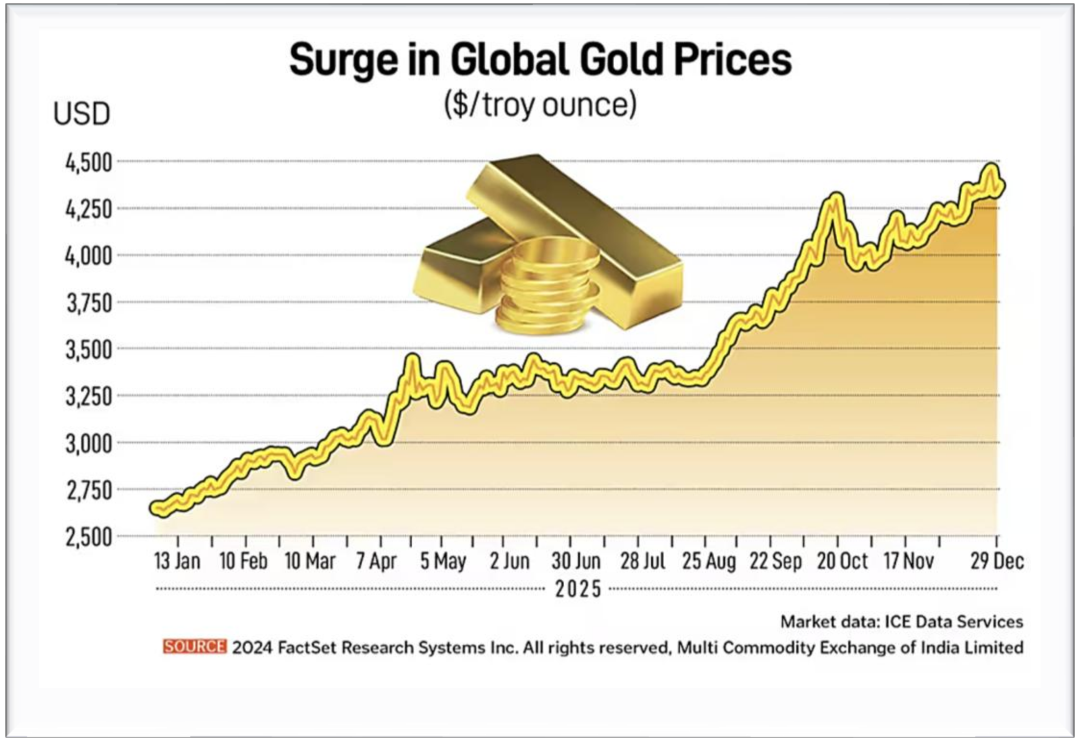
Gold has a variety of uses, including jewelry, electronics and as a store of value. Central banks have been active buyers of gold, providing consistent buying pressure purchasing a record 992 tons in 2024 and 863 tons in 2025

- **Gold surged to a record high of US5,589.38 per ounce on January 28, 2026.**
- Continued inflation may sustain interest in gold as a protective asset while the Federal Reserve has kept rates near zero to stimulate the economy, gold has gained traction as a viable investment alternative.
- Record-high gold prices usually indicate economic uncertainty, as investors seek stability. It can also signal inflationary pressures and shifts in monetary policy, reflecting broader economic trends.



Global gold demand exceeded 5,000 tons for the first time. The surge was driven by massive 801-tonne ETF inflows, 12-year high bar/coin demand, and continued strong central bank purchasing.[1] Technology demand remained stable at 323t for the year, bolstered by AI-related applications.

1. World Gold Council Gold Demand Trends Q4

SILVER INDUSTRY OVERVIEW

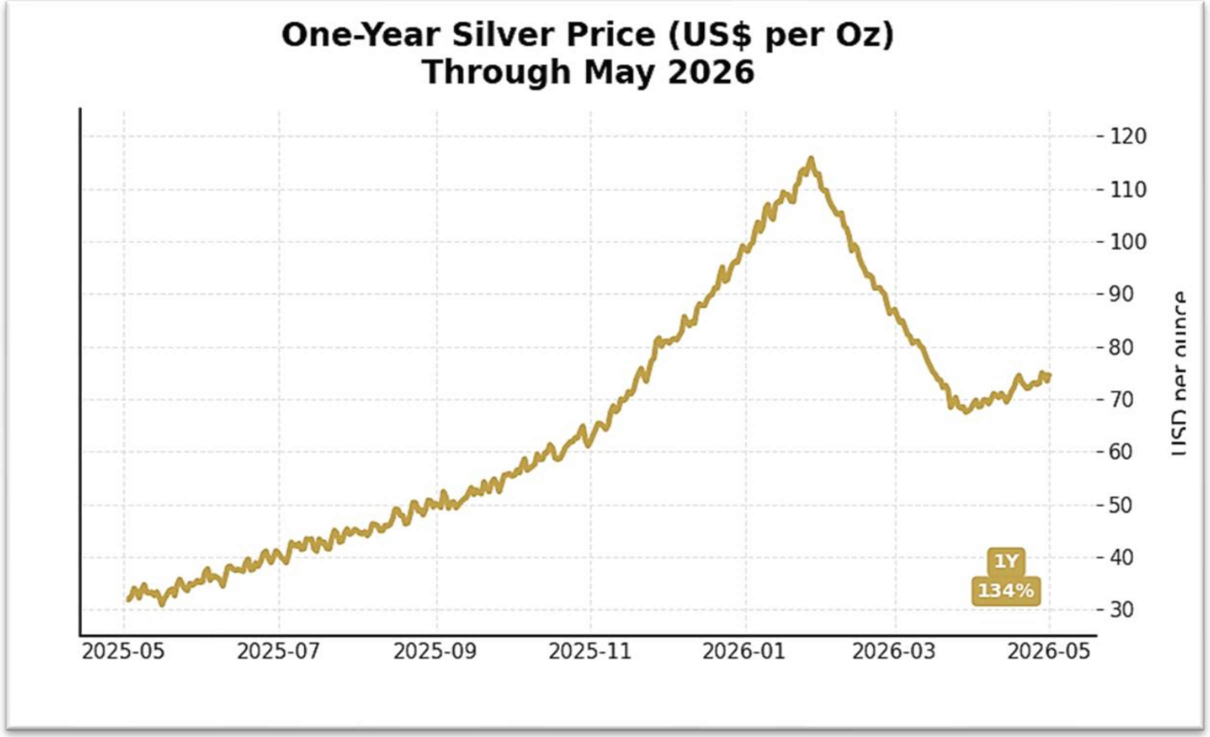
Silver Reached All Time Highs in 2026

Silver demand could structurally outstrip supply, as demand for the industrial metal continues to grow

- Silver has preformed exceptionally well surging to an all time high of **USD $121.62 per ounce** in January 2026

- **Silver pricing is being driven by strong industrial growth**, investor demand, and supportive economic conditions. Silver's critical industrial applications are a major price support. It is heavily used in electronics, solar panels, electric vehicles (EVs), and renewable energy technologies.

- Monetary Stress & Sovereign Demand: Silver is increasingly viewed **as a monetary hedge alongside gold due** to geopolitical uncertainty and inflationary pressure



Silver Outlook for 2026

Silver is uniquely positioned to outperform in an environment where both inflation risk and industrial demand are rising simultaneously. Understanding the metal's fundamentals, not just its price, will be key as silver enters the next phase of its bull market.

Data Source: https://economictimes.indiatimes.com/news/international/us/you-thought-gold-price-was-skyrocketing-wait-heres-how-silver-has-performed-in-2025-were-you-late-to-buy/articleshow/124166344.cms?from=mdr

WHY INVEST?

Historic proof, new targets and a clear path toward drilling

High-Grade District

Past-producing Ivanhoe, Emporia and Little Granite mines demonstrate a long history of precious-metal mineralization.

Poverty Creek Emerging

Recent work has advanced Poverty Creek into a high-priority target within a broader structurally controlled epithermal system.

Untested Drilling Opportunity

Little to no modern drilling in over 45 years leaves multiple high-grade zones and newly defined targets untested at depth.

Drill Targeting

Sampling, mapping and geophysics are being integrated to refine and prioritize Phase 1 drill locations.

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The Opportunity

- ✓ Historic high-grade district
- ✓ Emerging targets
- ✓ Modern exploration

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Advancing a Historic High-Grade District Into a Modern Discovery Opportunity

Winston Gold-Silver Project | New Mexico

Historic high-grade district | Emerging targets | Phase 1 drill targeting

Contact

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