



ADVANCED STAGE SILVER & GOLD ASSETS IN MEXICO

CORPORATE PRESENTATION | OCTOBER 2021

TSXV|GRSL OTCQB|GRSLF FRA|GPE

CAUTIONARY STATEMENTS

This presentation contains “forward-looking statements” within the meaning of Canadian securities laws. Where a forward-looking statement expresses or implies an expectation or belief as to future events or results, such expectation or belief is expressed in good faith and believed to have a reasonable basis. However, such statements are subject to risks, uncertainties and other factors, which could cause actual results to differ materially from future results expressed, projected or implied by the forward-looking statements.

Forward-looking statements often address our expected future business and financial performance and financial condition; and often contain words such as “anticipate,” “intend,” “plan,” “will,” “would,” “estimate,” “expect,” “believe,” “target,” “indicative,” “preliminary,” or “potential.” Forward-looking statements in this presentation may include, without limitation, (i) estimates of future production and sales, including production outlook, average future production, upside potential and indicative production profiles; (ii) estimates of future costs applicable to sales and all-in sustaining costs; (iii) estimates of future consolidated and attributable capital expenditures; (iv) estimates of future cost reductions, full potential savings, value creation, synergies and efficiencies; (v) expectations regarding the development, growth and exploration potential of the Company’s operations, projects and investments, including, without limitation, returns, schedule, decision dates, mine life, commercial start, first production, capital average production, average costs and upside potential; (vi) expectations regarding future investments or divestitures; (vii) expectations regarding future mineralization, including, without limitation, expectations regarding reserves and recoveries; (viii) estimates of future closure costs and liabilities; (ix) expectations regarding the timing and/or likelihood of future borrowing, future debt repayment, financial flexibility and cash flow; and (x) expectations regarding the future success of any of the Company’s properties. Estimates or expectations of future events or results are based upon certain assumptions, which may prove to be incorrect. Such assumptions, include, but are not limited to: (i) there being no significant change to current geotechnical, metallurgical, hydrological and other physical conditions; (ii) permitting, development, operations and expansion of operations and projects being consistent with current expectations and mine plans, including, without limitation, receipt of export approvals; (iii) political developments in any jurisdiction in which the Company operates being consistent with its current expectations; (iv) certain exchange rate assumptions for the Canadian dollar or the Mexican peso to the U.S. dollar, as well as other exchange rates being approximately consistent with current levels; (v) certain price assumptions for silver, gold, copper, zinc or lead; (vi) prices for key supplies being approximately consistent with current levels; (vii) the accuracy of current mineral reserve and mineralized material estimates; and (viii) other planning assumptions. For a more detailed discussion of risks and other factors that might impact future looking statements, see the Company’s annual financial statements and corresponding management discussion & analysis available on under the Company’s profile on SEDAR or www.grsilvermining.com.

The Company does not undertake any obligation to release publicly revisions to any “forward-looking statement,” including, without limitation, outlook, to reflect events or circumstances after the date of this presentation, or to reflect the occurrence of unanticipated events, except as may be required under applicable securities laws. Investors should not assume that any lack of update to a previously issued “forward-looking statement” constitutes a reaffirmation of that statement. Continued reliance on “forward-looking statements” is at investors’ own risk.

Qualified Person

Under National Instrument 43-101 - Standards of Disclosure for Mineral Projects, the Qualified Person for this presentation is Marcio Fonseca, P. Geo., President and CEO for GR Silver Mining Ltd., who has reviewed and approved its contents. Please see footnotes at bottoms of slides with historical technical information for disclosure information.

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INVESTMENT OPPORTUNITY

DISTRICT CONTROL

100% ownership over the prospective Rosario Mining District

The first time a company has control of these Ag-Au assets at a district scale

DISTRICT SCALE

Portfolio consists of 778 km² of properties, including mineralized Ag-Au trends along >75 km of structural corridor

GEOLOGY

Evidence of deep-seated intrusions driving robust metal-bearing fluid flow through an extensive network of structural corridors depositing several styles of high grade Ag-Au and polymetallic mineralization

EXPLORATION

Currently engaged in a 14,000 m diamond core drill program with seven rigs

VALUATION

Trading at a discount relative to our Latin American silver exploration and development peers based on the current resource inventory

DEVELOPMENT

The development timeline may be accelerated and de-risked given existing permitting and infrastructure

GR SILVER PORTFOLIO

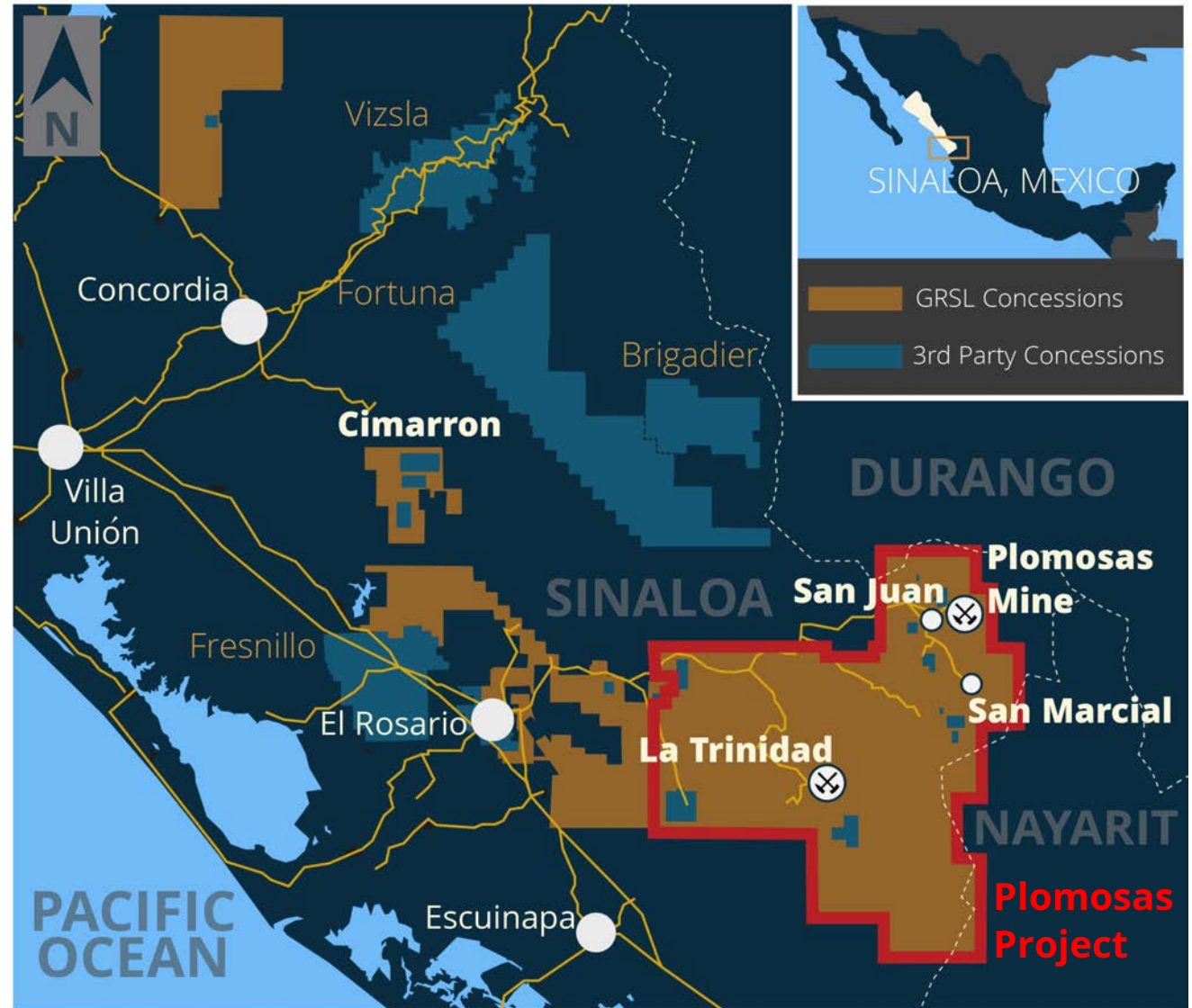
GR Silver Controls 100% of the Key Assets

- 778 km² of concessions in the Rosario Mining District
- Sinaloa State, Mexico

Plomosas Project

- 476 km² of core concessions
- Priority focus area
- Portfolio of early to advanced stage exploration assets

PORTFOLIO OF CONCESSIONS ROSARIO MINING DISTRICT



GR Silver Controls 100% of the Key Assets

Two NI 43-101 Resources

- Plomosas/San Juan
- San Marcial

Two Past Producer Sites

- Existing infrastructure
- Permits in place

NI 43-101 Report (2013)

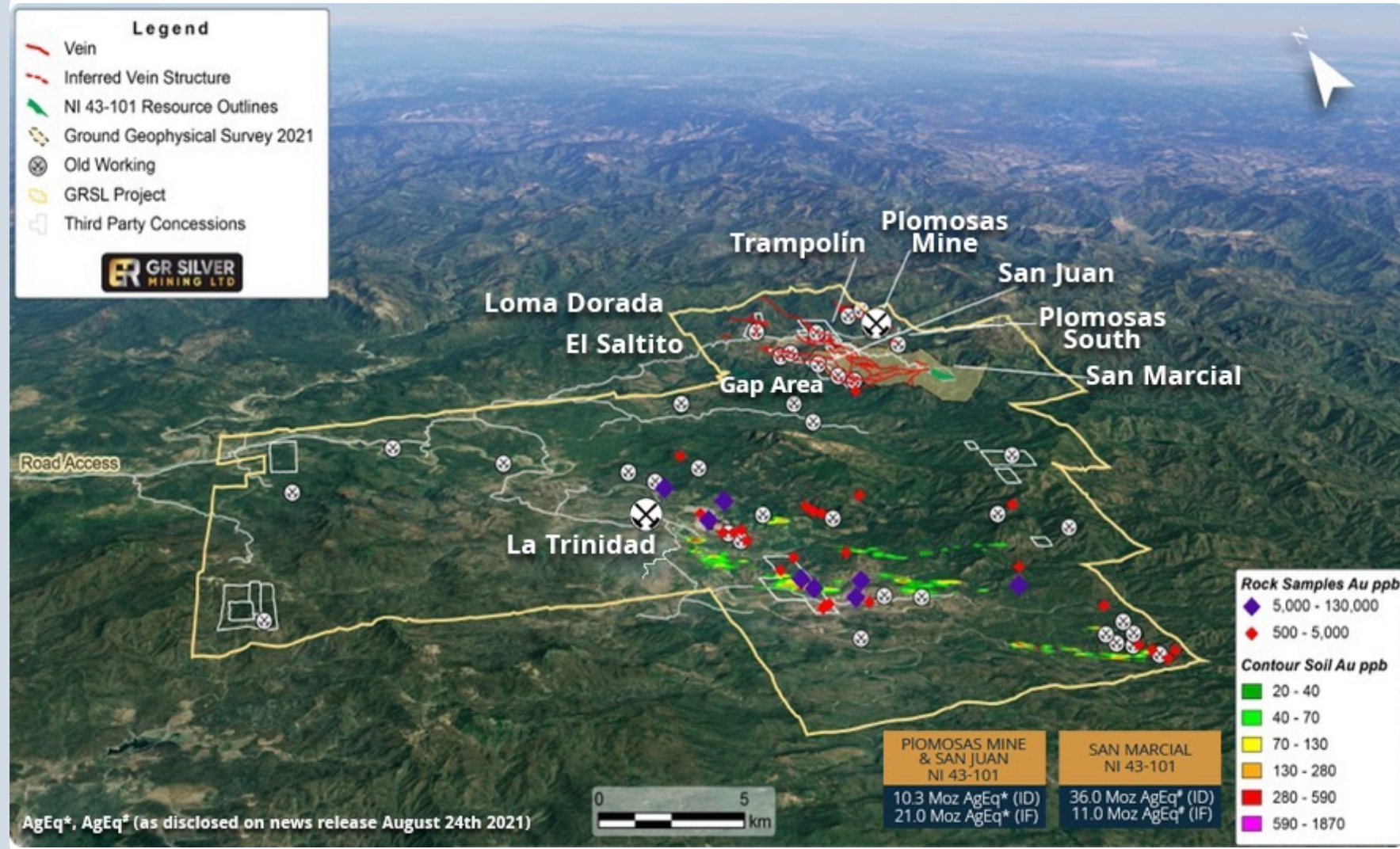
- Trinidad Pit

24 Veins & Old Workings

Three Structural Trends

- Plomosas-San Marcial Trend
- La Tigra Trend
- Trinidad Trend

PLOMOSAS PROJECT



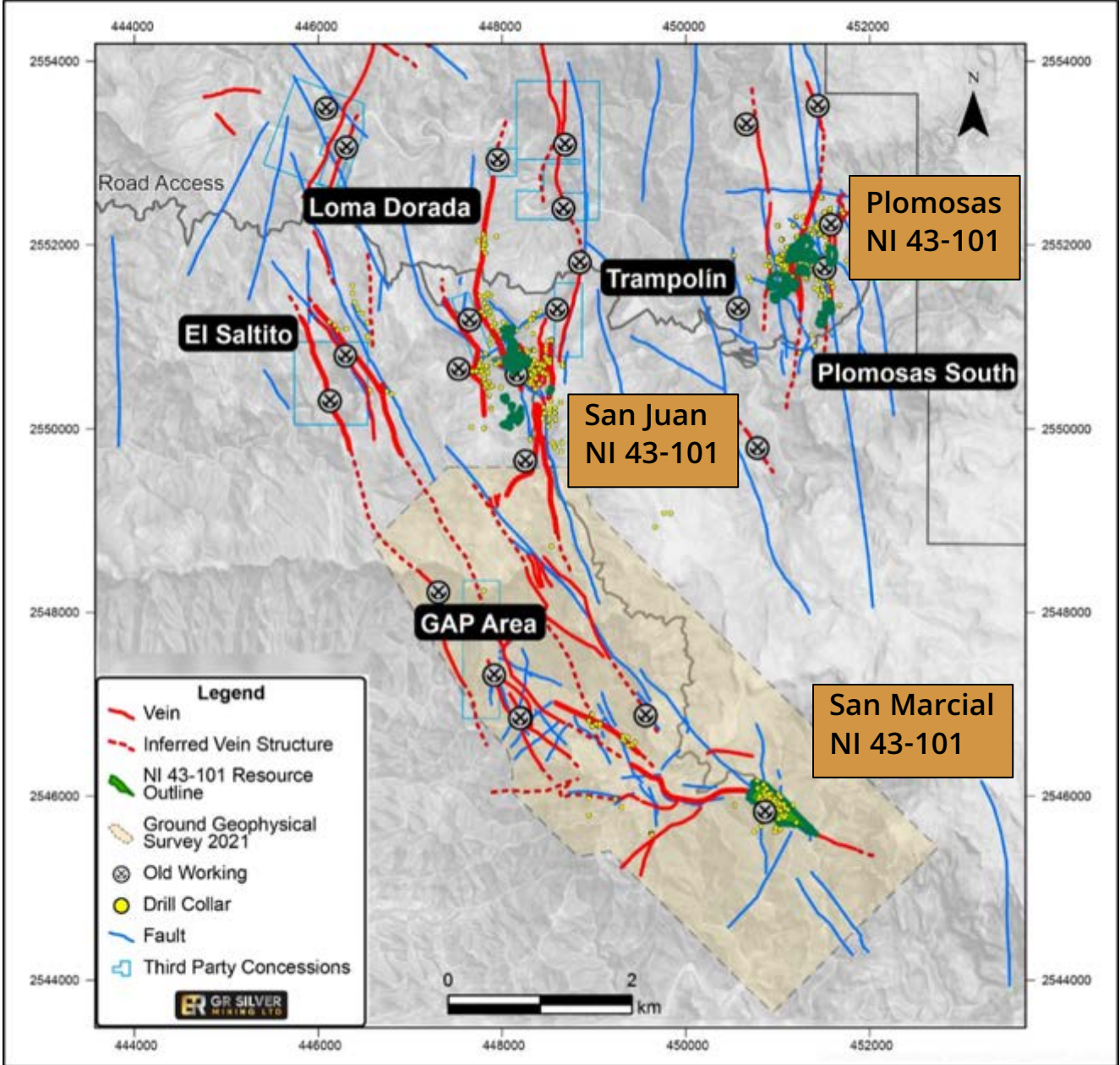
An Emerging District-Scale Mining Camp

INCORPORATING THREE ACQUISITIONS

Plomosas ● La Trinidad ● San Marcial

GR Silver now has:

- Full control of the integrated project – first time ever by one company
- Unrestricted access to new drill targets
- Three mineral resource estimate areas supporting continuous resource expansion: San Marcial, Plomosas Mine and San Juan
- Extensive ground geophysics (IP + Mag) survey completed at San Marcial
- Potential Ag - Au discoveries with new H2|21 drill targets at Loma Dorada, GAP Area, Plomosas South, Trampolin and El Saltito [as illustrated in the black boxes on the figure]



COMBINED NI 43-101 RESOURCE STATEMENT

Plomosas Project* Total Resources Statement - August 23, 2021												
Resource Category	Type	Tonnage MT	Au g/t	Au Koz	Ag g/t	Ag Moz	Pb %	Pb Mlbs	Zn %	Zn Mlbs	AgEq Moz	AgEq# g/t
Indicated	OP	0.3	0.20	2	83	0.9	0.8	6.4	0.8	6.1	1.3	114
Inferred	OP	1.4	0.12	5	78	3.6	0.9	27.3	0.7	23.5	4.8	103
Indicated	UG	2.1	0.76	50	38	2.5	0.9	41.7	1.5	66.7	9.1	136
Inferred	UG	4.4	0.57	79	36	5.0	0.9	88.4	1.3	125.1	16.2	116
Total	Indicated	2.4	0.68	53	44	3.4	0.9	48.1	1.4	72.8	10.3	133
Total	Inferred	5.8	0.46	85	46	8.6	0.9	115.7	1.2	148.6	21.0	113

* Plomosas Mine and San Juan

see News Release dated August 23, 2021

San Marcial Resource Statement - February 7, 2019												
Resource Category	Type	Tonnage MT	Au g/t	Au Koz	Ag g/t	Ag Moz	Pb %	Pb Mlbs	Zn %	Zn Mlbs	AgEq Moz	AgEq# g/t
Indicated (OP+UG)	OP+UG	7.6	na	na	117	29.0	0.3	53.0	0.5	86.0	36.0	147
Inferred (OP+UG)	OP+UG	3.4	na	na	91	10.0	0.1	8.0	0.4	26.0	12.0	108

see News Releases dated February 7, 2019 and June 12, 2020

INITIAL PLOMOSAS PROJECT RESOURCE ESTIMATION

Key Points

- First NI 43-101 resource estimate for the Plomosas Project
- 55 core surface underground drillholes completed by GR Silver in 2020|21
- 476 validated historical core holes (84% of total) by:
 - Grupo Mexico (IMMSA)
 - Aurcana
 - First Majestic
- Covers two areas:
 - Plomosas Mine
 - San Juan
- New Geological Model



SAN MARCIAL – RESOURCE EXPANSION

Potential Open Pit and Underground Ag Mine

- Located 5 km south of the Plomosas Mine – San Juan Area
- NI 43-101 resource estimate (2019)
 - 29 Moz Ag (Indicated)
 - 10 Moz Ag (Inferred)
- Preliminary tests indicate 90% - 93% Ag recoveries utilizing direct cyanide leaching
- Designing drill targets to expand resource at depth and along strike

Photo: Underground development
San Marcial 2020|21



PROJECT CATALYSTS 2021 | 22

H2 | 2021

- Creating value through drilling, discoveries and exploring potential development opportunities
- Drilling of new targets at Plomosas Project underway
- Drill testing resource extensions down dip and along strike on San Marcial resource
- Validating and analyzing La Trinidad datasets, prioritizing targets for exploration
- Advance priority reconnaissance targets at La Trinidad
- Commence integrated Preliminary Economic Assessment work

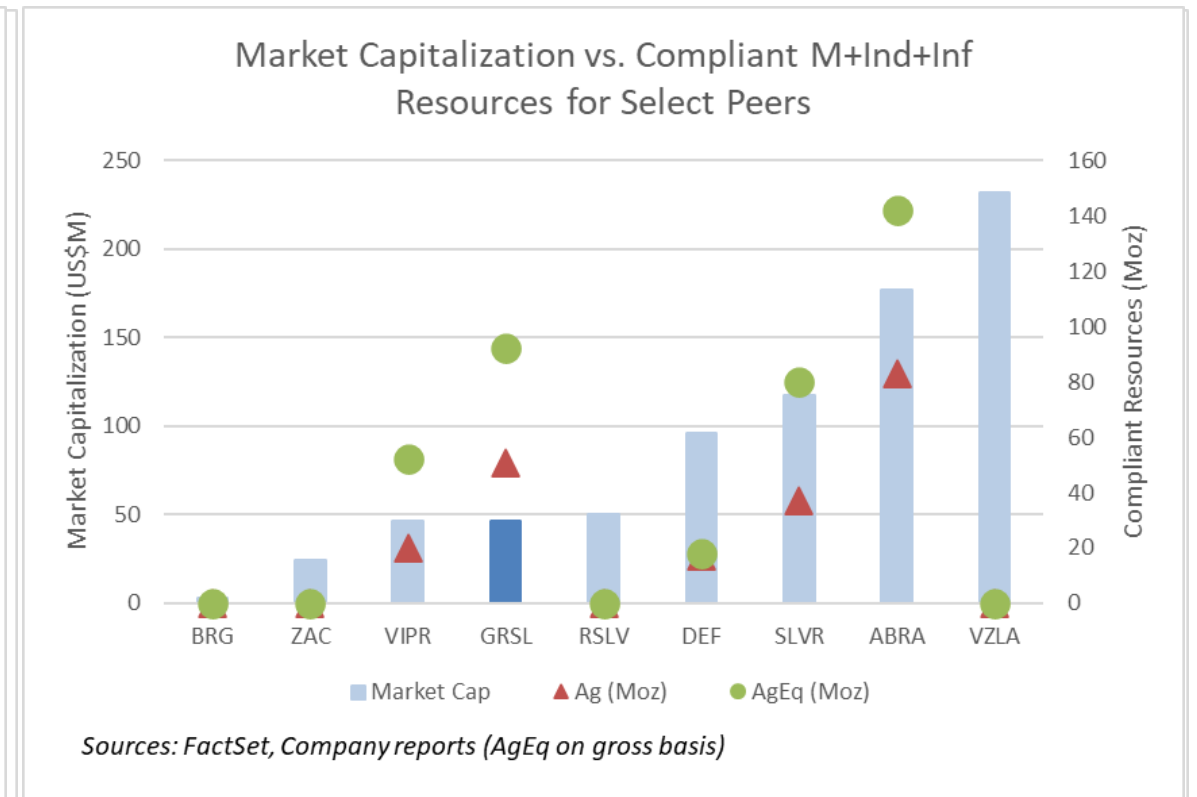
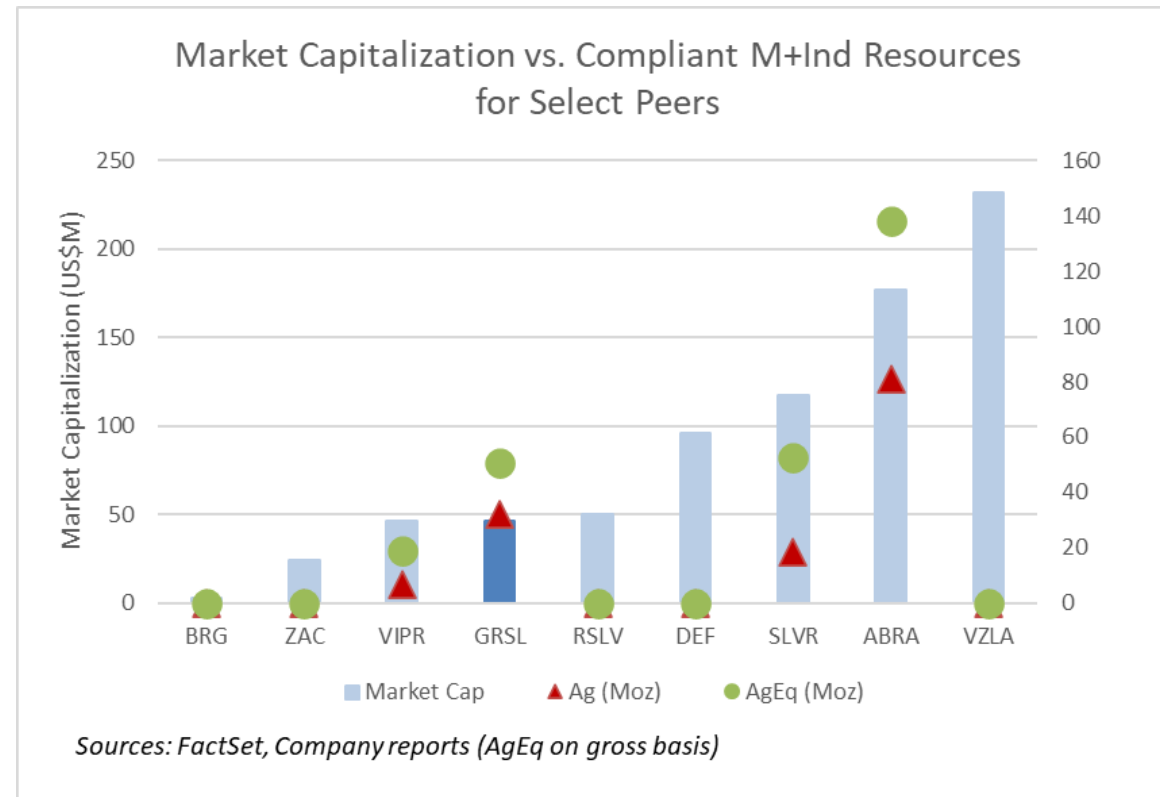
2022

- Existing infrastructure, permits and attractive location support the definition of low capital intensity operational costs by combining PEA projects
- Update of existing resource estimates

PEER ANALYSIS

Re-Rating Opportunity - GROWTH

In our view, GR Silver's market capitalization does not yet reflect the project's potential growth from the current resource estimates



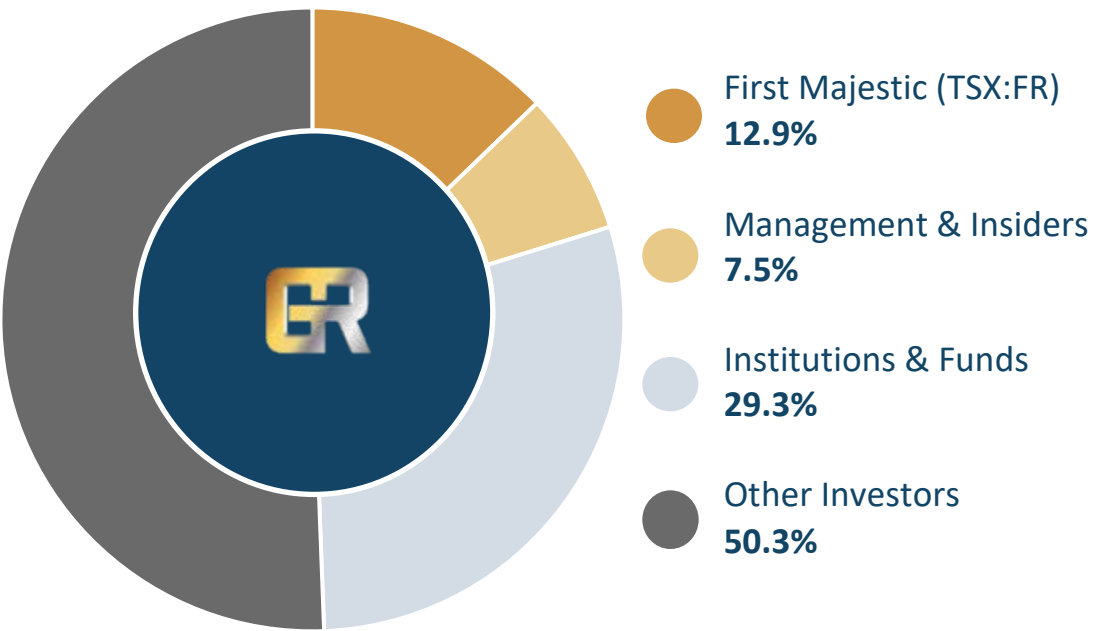
CORPORATE STRUCTURE

CAPITALIZATION

Shares Issued & Outstanding	167,392,155
Warrants (average weighted price C\$0.67)	12,535,875
Options (average weighted price C\$0.47)	10,118,534
Fully Diluted Shares Outstanding	190,046,564
Fully Diluted Market Capitalization @C\$0.27	C\$51,312,572 M
Average Daily Volume (Past 3 Months)	Canada~589k US ~140k

*as of October 1, 2021

CURRENT OWNERSHIP



ANALYST COVERAGE



Michael Curran, CFA

WHY GR SILVER MINING

INCREASE IN RESOURCE

- Two new resource estimates (San Juan Area and Plomosas Mine Area) add to the existing San Marcial resource
- New drill targets at Loma Dorada, GAP Area, Plomosas South, Trampolin, El Saltito

EXECUTING TO PLAN

- Consolidated land package to create a mining district with 100% ownership
- Delivered on increased resources

VALUATION

- Attractive valuation relative to our silver peers given the material increase in resource

FINANCIAL STRENGTH

- Our 14,000 m diamond drill program and exploration program is fully funded

LIQUIDITY

- High liquidity with the participation of institutions supporting our corporate growth strategy

TRACK RECORD OF DELIVERY

- Founders, management, executives and directors with experience in building mining companies in Mexico

EXPERIENCED MANAGEMENT

Experienced management to drive GR Silver Mining forward



MARCIO FONSECA
PRESIDENT AND CEO

- Technical experience to evaluate exploration and operational assets with knowledge from exploration stage to mining operations.
- Senior roles with Echo Bay Mines, SilverCrest Mines, Phelps Dodge, and Vale in Latin America. 20+ years of mining and financial industry experience; Former Division Director for Macquarie Bank – Metals and Energy.



TREVOR WOOLFE
VP CORPORATE DEVELOPMENT

- Geologist with 25+ years in exploration, mining and management of ASX-listed explorers.
- Mr. Woolfe is a Latin America specialist having worked in Mexico, Chile, Nicaragua and Brazil.
- Previously with CRA, Metana Minerals, Newcrest Mining Limited and Placer Dome.



HONZA CATCHPOLE, Ph.D.
VP EXPLORATION

- Exploration geologist with 15 years of experience working in Mexico, USA, Canada, Andean South America and Europe.
- Fluent in German, Spanish and French, and a Professional Geologist (P. Geo) in British Columbia.



BLAINE BAILEY
CFO

- Chartered Professional Accountant, CGA working with public and private companies listed on the TSX, TSXV and NYSE over the past 20 years.
- Previously served as an accountant for Molson Brewery and controller for Nabob Coffee Co.



BRENDA DAYTON
VP CORPORATE COMMUNICATIONS

- 15 years of communications and compliance experience within the mining industry including serving in a variety of executive and senior roles with such companies as Ivanhoe Mines, Sunward Resources, Titan Uranium and Golden Queen Mining Co.

DIVERSE BOARD OF DIRECTORS

Strong Track Record Of Global Mining Related M&A

ERIC ZAUNSCHERB

- Non – Executive Chairman.
- Previously served as Managing Director, Research – Metals & Mining Analyst at Canaccord Genuity where he coordinated the firm’s global mining equity research team and is a Canadian geologist.

MARCIO FONSECA

- President & CEO of GR Silver Mining Ltd.
- Senior roles with Echo Bay Mines, Phelps Dodge, and Vale in Latin America. 20+ years of mining and financial industry experience; Former Division Director for Macquarie Bank – Metals and Energy.

LAURA DIAZ

- Lawyer in Mexico City, and serves as a Mining Project Advisor in the areas of production, exploration and development and was the former General Director of Mines, within the Ministry of the Economy (Mexico); current Director of Silvercrest Metals.

JONATHAN RUBENSTEIN

- Directly involved in negotiating or supervising acquisitions, mergers and takeover transactions in excess of \$5 billion and former Chairman of Mag Silver Corp.

MICHAEL THOMSON

- 30 years of experience in the securities industry as a lawyer, regulator, investment banker, Vice President with two securities dealers, and an entrepreneur. Mr. Thomson has been the President and principal of Independent Capital Partners Inc.

GINO DEMICHELE

- Has led, structured and financed dozens of public and private deals spanning the last 22 years, a number of which exceeded market capitalization of \$500 million.

ADVISORY BOARD Derek White

- Current President & CEO of Ascot Resources - over 30 years of experience in the mining industry including \$1.5 billion Quadra merger with FNX; past Director of Mag Silver Corp.





Plomosas Underground Mine

GRSL Geologist



Suite 900 – 999 West Hastings Street
Vancouver, BC, Canada V6C 2W2
www.grsilvermining.com

FOR INVESTOR RELATIONS:

BRENDA DAYTON

VP Corporate Communications
bdayton@grsilvermining.com
T. 604.558.6248



@GRSilverMining



GR Silver Mining



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