

Forward-looking statements and technical disclosure



Metallic Minerals:

Scott Petsel, P.Geo, is the Qualified Person under NI 43-101 who has reviewed and approved the technical information contained in this presentation

Stillwater Critical and Granite Creek Copper:

The Qualified Person under NI 43-101 who has reviewed and approved the technical information contained in this presentation are:
Mike Ostenson, P.Geo. (Montana)
Debbie James, P.Geo. (Yukon, Ontario, BC and Alaska projects)

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Some statements contained in this presentation are forward-looking and, therefore, involve uncertainties or risks that could cause actual results to differ materially. Such forward-looking statements include among other things, comments regarding mining and milling operations, mineral resource statements and exploration program performance. They may also include statements with respect to the Company's mineral discoveries, plans, outlook and business strategy. The words "may", "would", "could", "should", "will", "likely", "expect," "anticipate," "intend", "estimate", "plan", "forecast", "project" and "believe" or other similar words and phrases are intended to identify forward-looking information.

Factors that could cause actual results to differ materially include, but are not limited to, metal price volatility, economic and political events affecting metal supply and demand, fluctuations in mineralization grade, geological, technical, mining or processing problems, exploration programs and future results of exploration programs, future profitability and production, the ability to raise sufficient capital to fund exploration, litigation, legislative, environmental and other judicial, regulatory, political and competitive developments; technological or operational difficulties or inability to obtain permits encountered in connection with exploration activities; and labour relations matters.

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Cautionary Note to United States Investors Concerning Estimates of Measured, Indicated and Inferred Resources: These tables use the terms "Measured", "Indicated" and "Inferred" Resources. United States investors are advised that while such terms are recognized and required by Canadian regulations, the United States Securities and Exchange Commission does not recognize them. "Inferred Mineral Resources" have a great amount of uncertainty as to their existence, and as to their economic and legal viability. It cannot be assumed that all or any part of an Inferred Mineral Resource will ever be upgraded to a higher category. Under Canadian rules, estimates of Inferred Mineral Resources may not form the basis of a feasibility study. United States investors are cautioned not to assume that all or any part of Measured or Indicated Mineral Resources will ever be converted into Mineral Reserves.

The Metallic Group

Rapid Advancement from Exploration to Resource Stage





TSX.V: MMG | OTCQB: MMNGF



Silver, Gold, Copper

In the High-Grade Keno Hill and La Plata Mining Districts

15 Moz Ag 889 Mlbs Cu*

116 Mt

Inaugural 43-101 Resource
April 2022

mmgsilver.com

0.39% CuEq 0.35% Copper 4.02 g/t Silver



TSX.V: PGE | OTCQB: PGEZFF



Critical Minerals

In the Stillwater District Montana, USA

1.6 Blbs Ni, Cu, Co*
3.8 Moz Pd, Pt, Au, Rh

255 Mt

0.39% NiEq (or 1.19 g/t PdEq)

43-101 Resource Update January 2023

criticalminerals.com



TSX.V: GCX | OTCQB: GCXXF



High-Grade Copper

In the Minto District Yukon, Canada

650 Mlbs Cu 300,000 Oz Au 3.8 Million Oz Ag

36.2 Mt

43-101 PEA January 2023

1.1% CuEq (0.81% Cu, 0.31 g/t Au & 3.41 g/t Ag)

gcxcopper.com

^{*}See NI 43-101 Report and Mineral Resource Estimate April 29, 2022

Leadership

Building on a Proven Model for Value Creation



Building on a proven model for value creation



Board and Management with extensive experience in exploration and mining industry, raising over \$650 million in project financing



Awarded for excellence in environmental stewardship demonstrating commitment to responsible resource development and appropriate ESG practices



Putting together industry leading agreements with Alaska Native Corporations and First Nations

A Proven Track Record



Credited with the discovery and advancement of major precious and base metal deposits globally:

Donlin Creek, Alaska:

M&I 40 Moz Au¹

Galore Creek, British Columbia:

M&I 9.5 Blbs Cu, 8 Moz Au & 145 Moz Ag Inf 3.2 Blbs Cu, 3 Moz Au & 50 Moz Ag²

Platreef, South Africa:

M&I 41.9 Moz PGE+Au & 3.7 Blbs Ni + Cu Inf 52.8 Moz PGE+Au & 5.2 Blbs Ni + Cu³

Experience with leading explorers, developers and producers







BARRICK

Newmont

The Metallic Group

Strategy & Approach to Business



Leadership



Highly experienced leadership with a track record of major discoveries

Properties



Identify and acquire district-scale, brownfields properties next to high-grade mines

Acquisitions



Make acquisitions during the lows in metal price cycle in under-explored brownfields areas

Technology



Apply systematic exploration utilizing new technologies and exploration models

Value



Create long term
value by making
discoveries,
growing
resources and derisking toward
production

Infrastructure

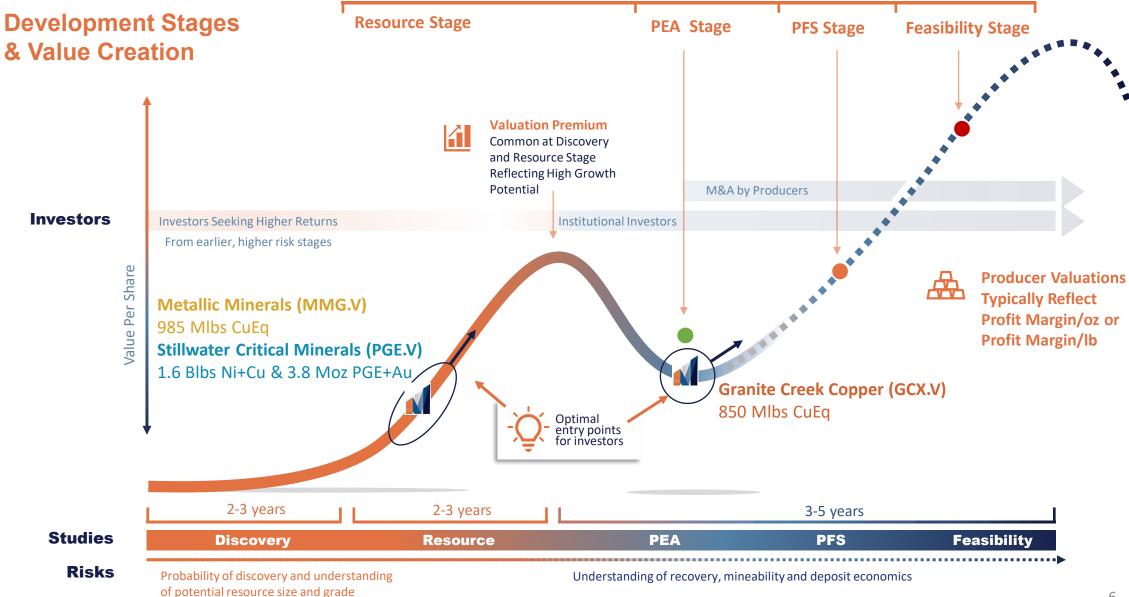


Existing infrastructure allows for rapid development timelines and reduced capital requirements

Exploration / Development Value Curve

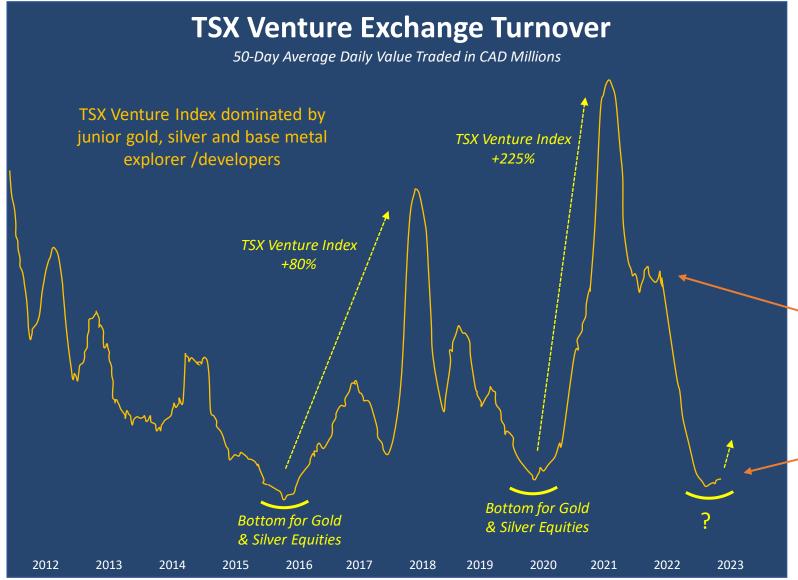


Typical Enterprise Values by Stage



Exploration / Development Stage Value Opportunity





Crescat Capital January 2023 Research Letter – Mispriced Inflation

Metal prices and large / mid cap mining shares (GDX, SIL and GDXJ, SILJ) have started to move

Small cap explorer / developers have historically lagged early then surpassed these benchmarks

Investment money flow into junior explorer/ developers has been falling for the past 2 years

Third major low in cycle for junior explorer / developers

Source: Bloomberg; Kevin Smith

METALLIC MINERALS

Three key silver, gold and copper assets:

KENO SILVER PROJECT









High-Grade Silver (Ag-Pb-Zn)

100%

Owned project adjacent to Hecla Mining

171_{Km²}

2nd Largest land position in Canada's historic Keno Silver district

OVER 300M

Ozs of historic production and current resources in the district

5

Advanced stage "resource-ready" targets.

40+

High-grade and bulk tonnage targets

LA PLATA COPPER-SILVER-GOLD PROJECT











Precious Metals Rich Porphyry

World Class Metallogenic Province for Silver, Gold, Copper and Critical Minerals

985 Mlbs Cu Eq¹

Inaugural 43-101 Inferred mineral resource estimate

116 Mt

Inferred 43-101 Resource

0.39% CuEq 0.35% Copper 4.02 g/t Silver

Resource defines a large-scale mineralized porphyry system 1 km in length, 400 m wide and 1 km in depth and open in all directions to significant expansion

KLONDIKE ALLUVIAL PRODUCTION





New Royalty Agreement

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New royalty agreement with Little Flake Mining (Parker Schnabel) of hit Discovery Channel TV show "Gold Rush"

10-15%

Royalties to be received by Metallic from experienced mining operators

10+

Operations will potentially exist within our claims once fully developed

20M

Ounces have been produced from the Klondike since its discovery in 1898



LEADERSHIP

Building on a proven model for value creation



Board and Management with extensive experience in global exploration and mining industry, raising over \$650 million in project financing



Yukon Government award for excellence in environmental stewardship demonstrating commitment to responsible resource development and appropriate ESG practices



Credited with the discovery and advancement of a number of major precious and base metal deposits in North America:

- Donlin Creek, Alaska: M&I 40 Moz Au¹
- Galore Creek, BC: M&I 9.5 B lbs Cu, 9 Moz Au & 145 Moz Ag²
- Ambler, Alaska: 11 Blbs Cu, 6 Blbs Zn, 100 Moz Ag, 1.5 Moz Au
- Wellgreen, Yukon: M&I 6 Moz PGM+Au, 3 B lbs Ni+Cu³

TRACK RECORD OF SUCCESS

TSX-V: MMG

OTCQB: MMNGF

Greg Johnson

Chief Executive Officer & Board Chairman

30+ years experience in exploration and development of large-scale mining projects. Co-founder of NovaGold, former CEO of Wellgreen Platinum and South American Silver, exploration management at Barrick (Placer Dome). Recipient of Thayer Lindsley International Discovery Award.

Gregor Hamilton, BSc, MSc

Independent Director

25+ years of experience in mining sector as a geologist, investment banker and entrepreneur. Capital markets and global experience in M&A and structured finance.

Peter Harris, P.Eng

Independent Director

40+ years of global mining industry experience in project evaluation, development, mine construction and operations. Executive positions at Barrick (Placer Dome) and NovaGold.

Douglas Warkentin, BSc, P.Eng

Independent Director

30+ years experience in mining and mineral processing. Current Senior Metallurgist at Kemetco Research Inc. Cofounder of Stillwater Critical Minerals.

Scott Petsel, P.Geo, MBA

President

30+ years experience in global exploration, mine geology, project management and advancement. Senior roles with NovaGold, Trilogy Metals (NovaCopper), Barrick (Placer Dome) and Kinross (Echo Bay).

Jeff Cary, CPG, MSc

Senior Project Geologist

30+ years of experience in exploration for high-grade and bulk tonnage deposits for precious and base metals in the Yukon, Great Basin, Colorado Mineral Belt and Mexico including senior roles with Newmont (Battle Mountain Gold).

Jacob Longridge, Ph.D

Consulting Geologist

Mineral exploration experience from exploration stage to mine development in North and South America, including specific expertise in porphyry systems and remote sensing technologies.

Danie Grobler, Ph.D

Consulting Geologist

25+ years experience in global exploration, including Head of Geology and Exploration for Ivanhoe Mines. Expertise in base metal and platinum group elements within magmatic systems.

- Experience -

NOVAGOLD







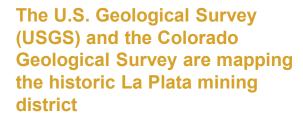




INDUSTRY PARTNERS

Leveraging geologic expertise and new technologies





USGS maintains lists of critical minerals for the US Government

Under their Earth Mapping Resources Initiative (Earth MRI) program the La Plata Mining district has been identified as an area with significant potential for developing critical minerals



The Colorado Geological Survey and USGS have identified the La Plata district as an area with significant potential for developing critical minerals

The new geologic maps will refine understanding of the geologic framework of mineral areas of interest.

The Colorado Geological Survey (CGS) is a state government agency situated within the Colorado School of Mines

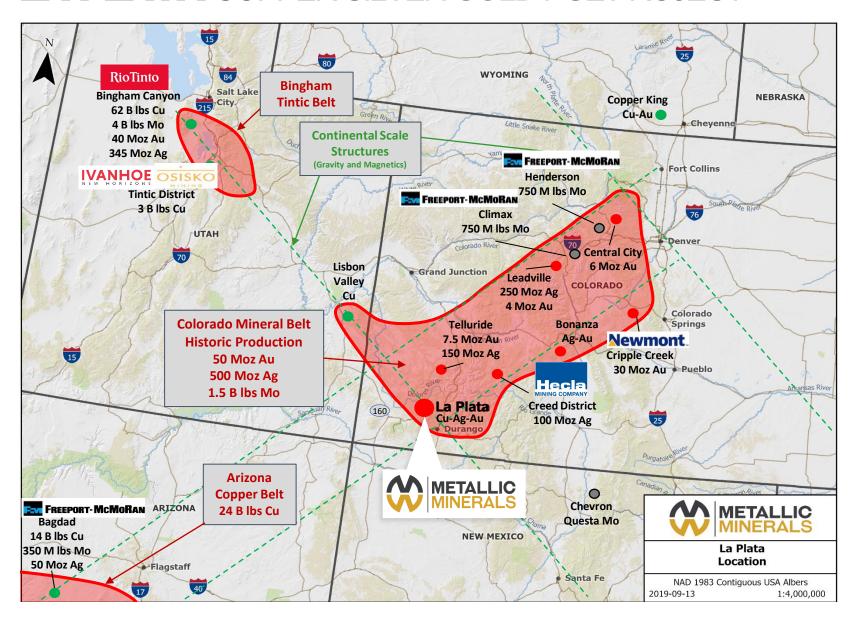


Goldspot uses AI to produce Smart Targets – drill holes based on the analysis of data layers.

Application of GoldSpot Discoveries' proprietary Artificial Intelligence and machine-learning analysis tools to Metallic's substantial database for enhanced target development and further increased discovery rate



LA PLATA COPPER-SILVER-GOLD-PGE PROJECT





World Class Metallogenic Province for Copper, Silver, Gold, and Critical Minerals

Inaugural 43-101 Mineral Resource Estimate Announced April 2022



TSX-V: MMG

OTCQB: MMNGF

PRECIOUS METAL RICH PORPHYRY DEPOSITS

SOME OF THE WORLD'S LARGEST AND HIGHEST-GRADE COPPER PRODUCERS

Precious metal rich copper porphyries are cornerstone assets for the majors!



Grasberg (Indonesia)

PP+MI 82 Blbs Cu, 94 Moz Au, 580 Moz Ag¹

Block Cave Mining (began Open Pit)

Produced 34 Blbs Cu and 54 Moz Au since 1990 One of the worlds largest Cu and Au deposits²



Oyu Tolgoi (Mongolia)

PP+MI 41 Blbs Cu, 20 Moz Au, 140 Moz Ag³ Inf 48 Blbs Cu, 34 Moz Au, 205 Moz Ag

Block Cave Mining First production 2012

Advanced by IVANHOE MINES



Bingham Canyon (Utah, USA)

PP+MI 24.6 Blbs Cu, 3.4 Moz Au & 40 Moz Ag⁵

Block Cave Mining (began Open Pit)

Produced 42 Blbs Cu, 36 Moz Au and 305 Moz Ag⁶ over past 100 years as one of the worlds largest mines



Cadia Ridgeway (Australia)

PP+MI 24.3 Blbs Cu, 50 Moz Au, 87 Moz Ag⁸ Inf 1.9 Blbs Cu, 3.9 Moz Au, 8 Moz Ag

Block Cave Mining

Produced 3 Blbs Cu and 12 Moz Au since 19988





Golpu (Papua New Guinea)

PP+MI 27 Blbs Cu, 27 Moz Au, 49 Moz Ag⁸ Inf 2.6 Blbs Cu, 2.8 Moz Au, 5 Moz Ag

Open Pit + Block Cave Mining

One of the largest high-grade Cu-Au porphyry discoveries in the past 20 years

evelopne.

Teck Newmont

Galore Creek (BC, Canada)

M&I 9.5 Blbs Cu, 8 Moz Au, 145 Moz Ag⁷ Inf 3.2 Blbs Cu, 3 Moz Au, 50 Moz Ag

Open Pit (not explored below pit models)

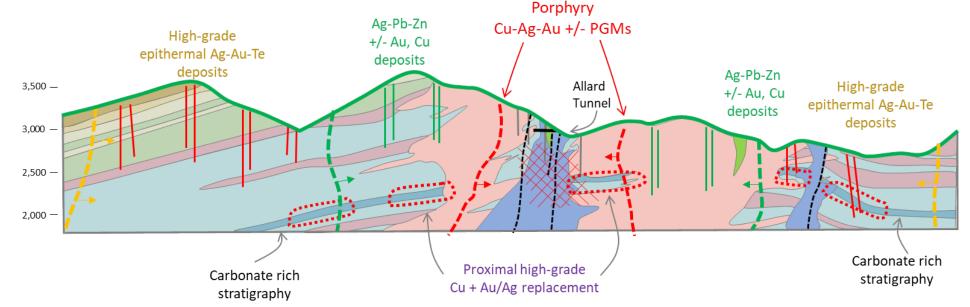
Advanced by NOVAGOLD



LA PLATA COPPER-SILVER-GOLD-PGE PROJECT HISTORY AND TARGETS

La Plata Project Schematic Cross Section

Precious
Metals Rich
Porphyry and
Associated
High-Grade
Epithermal
Systems



Long history of mining in the La Plata district

High-grade silver and gold production from 90 different

prospects and mines from 1870s to 1940s¹

- Exploration by Rio Tinto and Freeport-McMoRan (previously Phelps Dodge) in 1950s to 1970s
- 58 holes totaling 16,900 meters define a large-scale mineralized porphyry system with high-grade copper plus significant silver and gold
- SGS Geosciences completed NI 43-101 resource estimate in 2022



Inaugural NI 43-101 resource estimate announced April 2022

985 MLBS CuEq



Targets Allard copper-silver porphyry deposit which remains open to significant expansion



Envisions large-scale underground bulk mining method

16

Additional centers of potential porphyry mineralization and significant high-grade gold and silver targets

LA PLATA A NEW COPPER-SILVER RESOURCE

La Plata Inferred Mineral Resource Estimate

Cut-off Grade = 0.25% CuEq (Sensitivity Analysis Shown at Various CuEq Cut-off Grades)

Class	CuEq (%)	Tonnes	Cu		Ag		CuEq*	
	Cut-off		Grade (%)	Mlbs	Grade (g/t)	Ounces	Grade (%)	Mlbs
Inferred	0.15	151,327,000	0.31	1,040	3.68	17,888,000	0.35	1,154
Inferred	0.2	142,378,000	0.32	1,008	3.77	17,273,000	0.36	1,118
Inferred	0.25	115,731,000	0.35	889	4.02	14,975,000	0.39	985
Inferred	0.3	86,986,000	0.38	733	4.31	12,056,000	0.42	810
Inferred	0.35	60,752,000	0.42	565	4.61	9,000,000	0.46	622

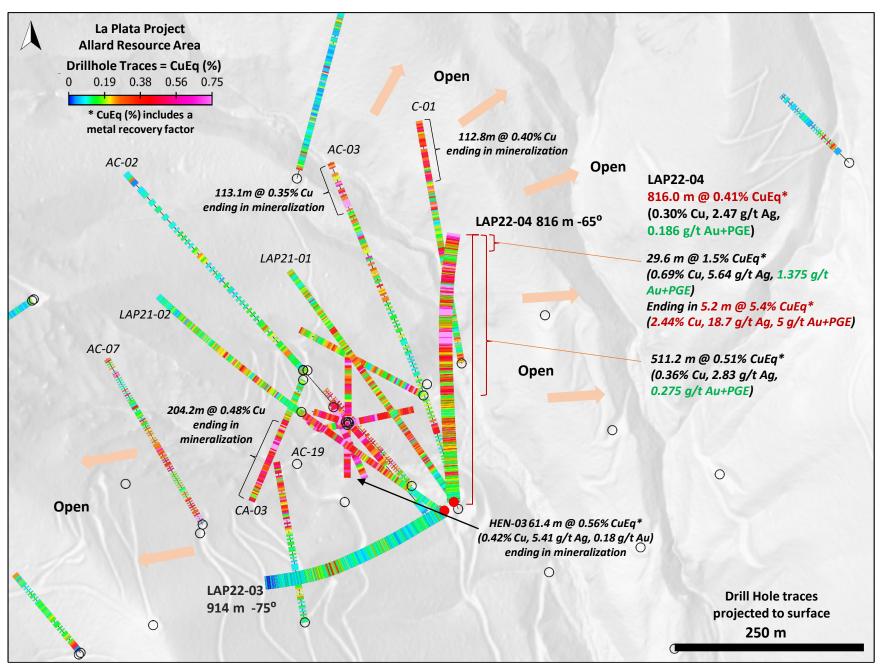
Gross NSR value at base case = \$32/tonne at \$3.60 lb copper and \$22.50/oz silver with mining and processing cost of \$16.80/tonne

The Mineral Resource has been estimated in conformity with CIM Estimation of Mineral Resource and Mineral Reserve Best Practices Guidelines (2019) and current CIM Definition Standards - For Mineral Resources and Mineral Reserves (2014). The constrained Mineral Resources are reported at a base case cut-off grade of 0.25% CuEq, based on metal prices of \$3.60/lb Cu and \$22.50/oz Ag, assumed metal recoveries of 90% for Cu and 65% for Ag, a mining cost of US\$5.30/t rock and processing and G&A cost of US\$11.50/t mineralized material. (1) Cu Eq* calculations are based on 100% recovery of all metals using the same metal prices used for the resource calculation. All figures are rounded to reflect the relative accuracy of the estimate.

The current Mineral Resources are not Mineral Reserves as they do not have demonstrated economic viability. The quantity and grade of reported Inferred Resources in this Mineral Resource Estimate are uncertain in nature and there has been insufficient exploration to define these Inferred Resources as Indicated or Measured. However, based on the current knowledge of the deposits, it is reasonably expected that the majority of Inferred Mineral Resources could be upgraded to Indicated Mineral Resources with continued exploration.



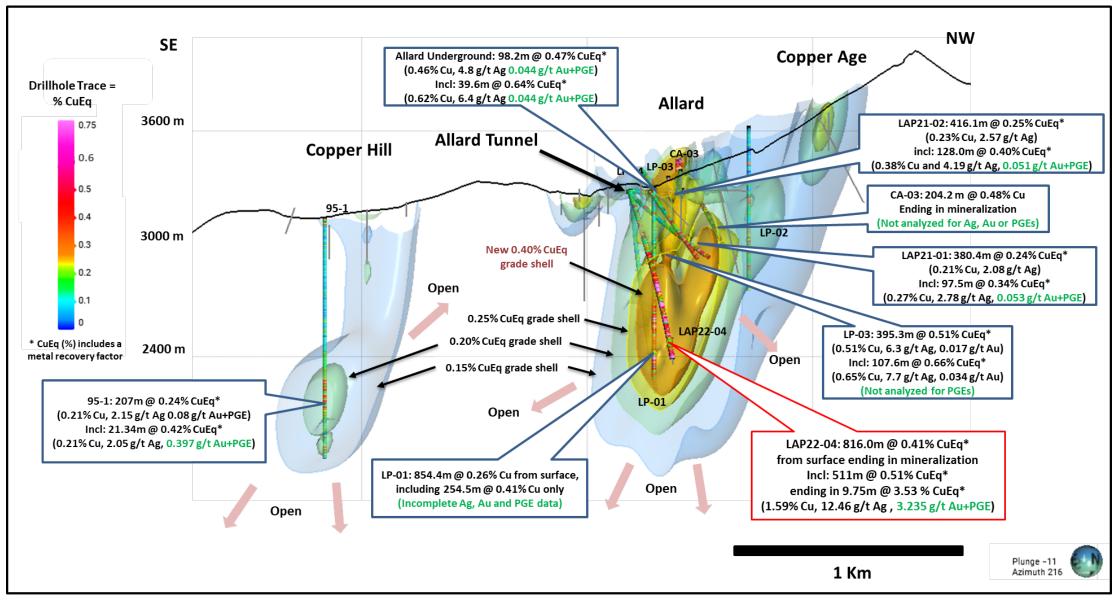
La Plata
Project Plan
Map with
Significant Drill
intervals



LA PLATA COPPER-SILVER-GOLD-PGE PROJECT

TSX-V: MMG

OTCQB: MMNGF



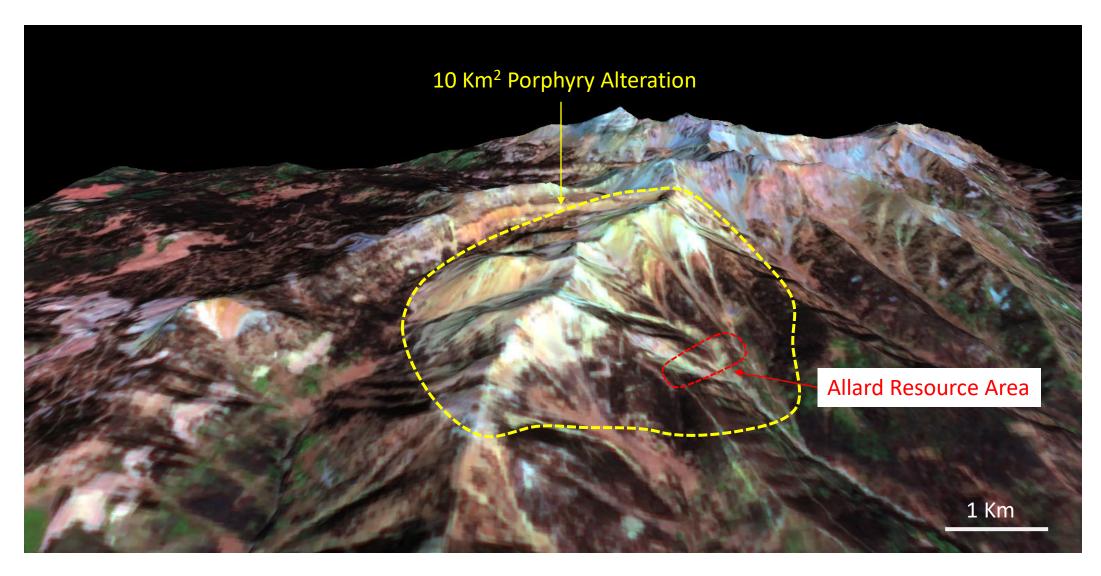


¹⁾ Geology and Ore Deposits of the La Plata District Colorado – Eckel, Williams, Galbraith - https://pubs.usgs.gov/pp/0219/report.pdf

²⁾ Freeport-McMoran (previously Phelps Dodge) internal company reports (see Page 2 regarding technical disclosure and third-party information)

LA PLATA COPPER-SILVER-GOLD-PGE PROJECT

Remote Spectral Imagery – Looking North





OTCQB: MMNGF

KENO SILVER PROJECT













食





Yukon Canada







RioTinto





TSX-V: MMG



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4-megawatt grid power at Keno Hill mill complex with 1-megawatt in use

Existing road access along Yukon highway 11 and 2

Deep sea, year-round

Alaska

BRITISH COLUMBIA



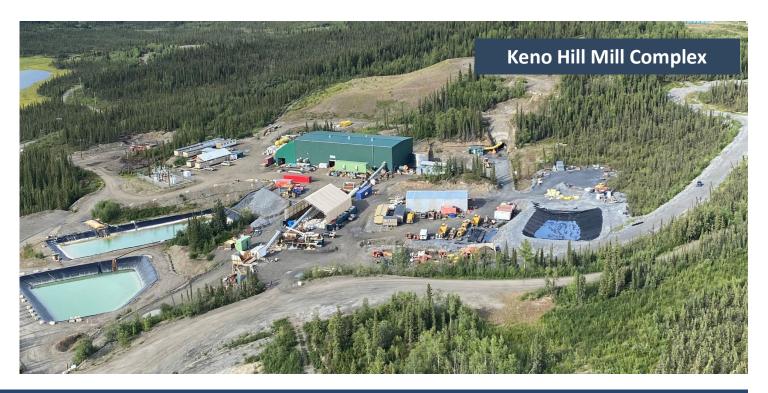
Distance (km)



ADJACENT KENO HILL MINE & ECONOMICS



- Hecla completed acquisition of Alexco Resources in September 2022
- The third largest primary silver producer in the world
- Keno Hill operations scheduled for restart in Q3 2023



2021 Keno Hill Technical Report Update Highlights¹:						
Mine Life	Avg. Silver Grade	Annual Silver Production	LOM AISC	Initial Capex	IRR	
8 Years P&P Reserves	804 g/t Ag 1,035 g/t AgEq	4.4 Moz/yr Ag	USD \$11.59	USD \$23.2M	295% Post-tax	



KENO HILL SILVER DISTRICT

MMG CLAIMS

> 220 Moz Ag produced in district historically

> 120 Moz Ag

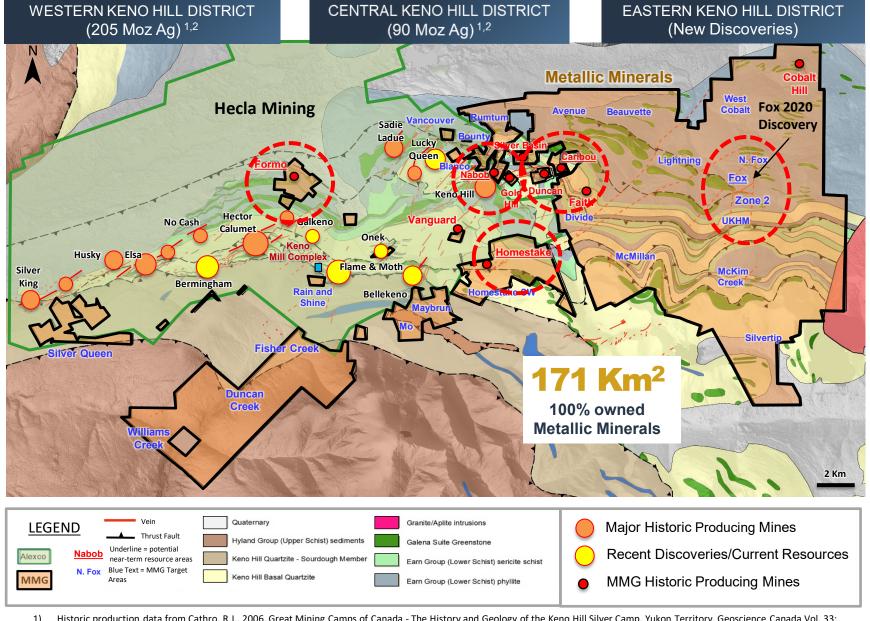
in resources and reserves



Historic Mines on MMG Claims¹

Historic Mine Grade	Ag oz/t	Ag g/t
Duncan	744.3	25,455
Vanguard	305.8	10,458
Caribou Hill	177.1	6,057
Silver Basin	167.8	5,739
Formo (Yukeno)	148.9	5,092
Cobalt Hill	65	2,223





- Historic production data from Cathro, R.J., 2006. Great Mining Camps of Canada The History and Geology of the Keno Hill Silver Camp, Yukon Territory, Geoscience Canada Vol. 33;
 - Alexco public disclosure: https://www.alexcoresource.com/operations/reserves-resources-table/ See Appendix for full Alexco Resource Corp. mineral reserves and resources. References to adjoining properties are for illustrative purposes only and are not necessarily indicative of the exploration potential, extent or nature of mineralization or potential future results of the Company's projects. See Page 2 regarding technical disclosure and third-party information.

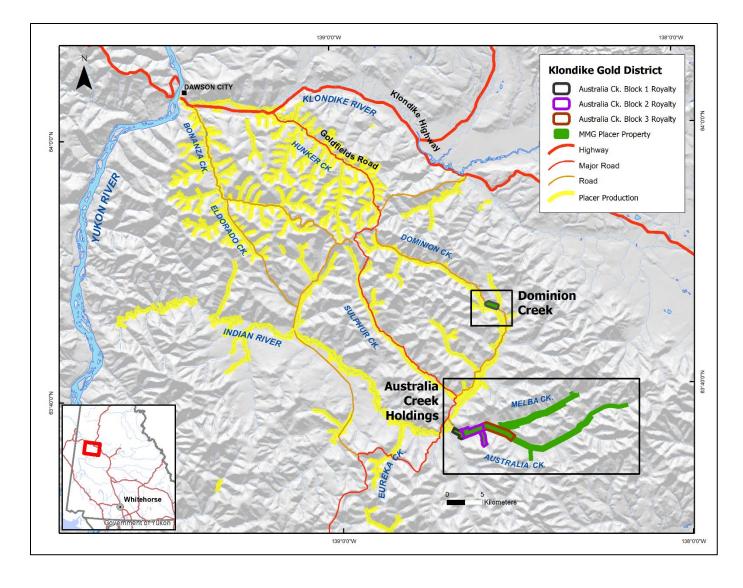
PRODUCTION ROYALTIES

Revenue Generating Production Royalties in Place



- Over 20 million ounces have been produced from the Klondike since its discovery in 1898¹
- Australia Creek and Dominion Creek are the upstream continuation of the largest alluvial producers in the Yukon
- These are large-scale, open-pit operations producing 50% of the gold in the Yukon
- Metallic will receive a 10-15% production royalty from experienced mining operators
- There is potential for up to 10 or 15 operations once fully developed

1) Yukon Geological Survey ("YGS") Yukon Placer Mining Industry Report 2010-2014





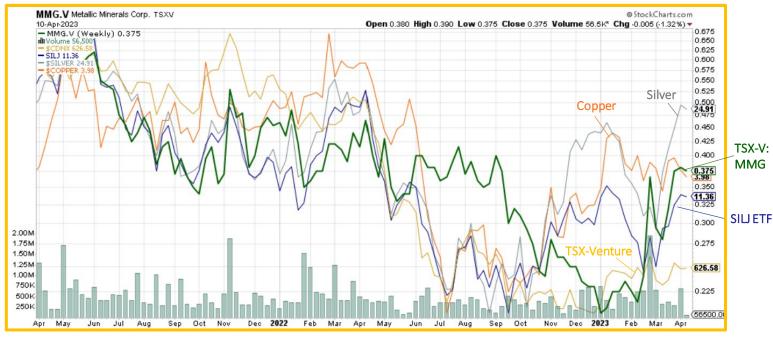
TSX-V: MMG

OTCQB: MMNGF

CAPITAL STRUCTURE

& RELATIVE PERFORMANCE

Recent Share Price (as of Apr 10, 2023)	C\$0.38
Shares Issued & Outstanding	150.9M
Options (average exercise price: \$0.37)	12.9M
Warrants (average exercise price: \$0.52)	8.6M
Fully Diluted Shares	172.4M
Market Capitalization	~C\$57M
Cash & Cash equivalents (no debt)	~C\$2M





19% Management & Associates

14% Eric Sprott

29% Institutional

16% High Net Worth

22% Retail



INSTITUTIONS

- US Global
- OTP Funds
- MMCap
 Asset Mgmt





The Future of **Critical Minerals** Supply

















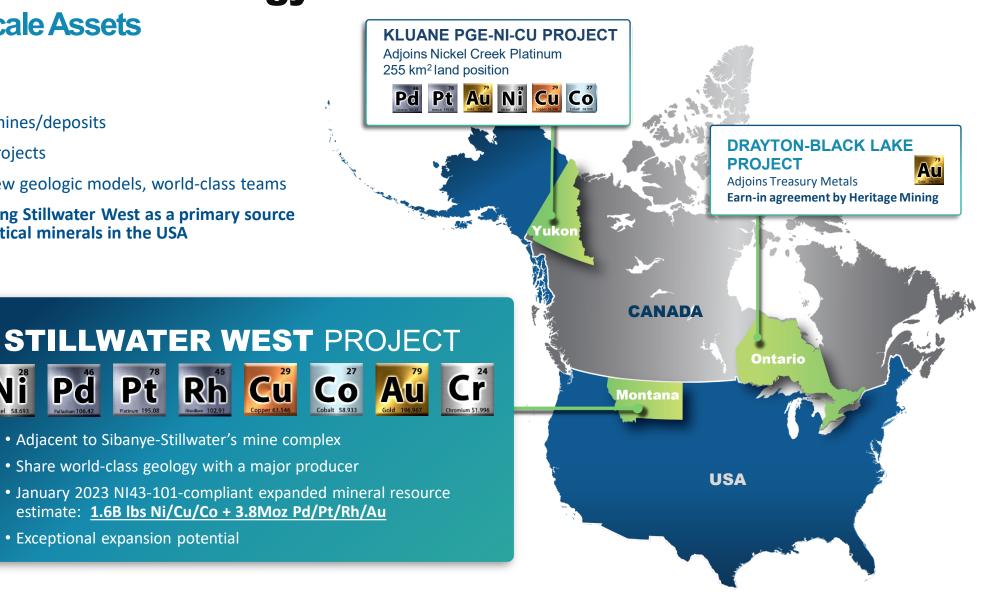


Project Portfolio & Strategy

Three District-Scale Assets

- District-scale assets
- Adjacent to world-class mines/deposits
- 100% ownership on all projects
- Substantial databases, new geologic models, world-class teams
 - Focus on advancing Stillwater West as a primary source of low-carbon critical minerals in the USA

Exceptional expansion potential



TSX-V: PGE

OTCQB: PGEZF

FSE: **5D32**



Management & Directors

A Proven Track Record

Team history of success in discovering and advancing large mines

Michael Rowley

President & CEO, Director

Co-founder of Stillwater Critical Minerals with 30 years executive experience in the exploration, mineral processing, and mine environmental industries

Danie Grobler, Ph.D.

Vice-President, Exploration

World-recognized expert in the discovery and mining of battery and platinum group metals. 25+ years experience in global exploration, including Head of Geology and Exploration for Ivanhoe Mines

Mike Ostenson, P.Geo.

Managing Geologist, Qualified Person

20 years experience in the Stillwater district. Senior technical roles for Beartooth Platinum, Stillwater Mining Co. and AngloGold

Gregor Hamilton

Director

24 years experience in mining sector as a geologist, investment banker and entrepreneur. Capital markets and global experience in M&A and structured finance

Greg Johnson

TSX-V: PGE

Executive Chairman

30 years in exploration, development of large-scale mining projects raising over \$650 million in project financing. Cofounder of NovaGold Resources

OTCQB: PGEZF

FSE: **5D32**

Albie Brits, P.Geo.

Senior Geologist

28 years focused on the advancement of projects from grassroots to production. Former Senior Geologist and Manager Project Geology for Ivanhoe Mines

Justin Modroo, P.Geo.

Project Geophysicist

20 years industry experience, including Stillwater Complex work with Premium Exploration and Beartooth Platinum

Gordon Toll

Independent Director

Over \$5B raised in the resource industry with 50+ years experience. Past senior roles with Ivanhoe Mines and Fortescue Minerals, with BHP Billiton and Rio Tinto

Experience

NOVAGOLD









Technical Team

Industry Partners



United States Geological Survey has decades of experience in the Stillwater complex

- USGS maintains lists of critical minerals for the US Government and plays a central role in vetting projects under the Earth MRI program that is now funding exploration-stage projects in the US
- Data sharing agreement with the USGS brings access to a broader database, substantial expertise, and cutting edge analytical techniques





Arca is working to stop – and reverse – climate change by capturing carbon dioxide and transforming it into rock

- Examination of the potential for carbon sequestration as part of a potential mining operation at Stillwater West
- Work to date has confirmed the potential to react carbon dioxide with ultramafic rocks at Stillwater West in a process known as mineral carbonation
- Potential to further reduce or completely offset the carbon footprint of critical minerals at Stillwater West, in addition to possible tax credits during production





TSX-V: PGE

Cornell University is tackling climate change and critical mineral recovery with ARPA-E (DoE) funding

Stillwater is the mining industry partner for Cornell University's work under funding via ARPA-E (Department of Energy) for carbon sequestration and hydrometallurgical recovery of critical minerals as part of a potential mining operation at Stillwater West



FSE: **5D32**

OTCQB: PGEZF

Goldspot uses AI to produce Smart Targets – drill holes based on the analysis of data layers.

Application of GoldSpot
 Discoveries' proprietary Artificial
 Intelligence and machine-learning
 analysis tools to Stillwater West's
 substantial database for
 enhanced target development
 and further increased discovery
 rate



Professor Wolfgang Maier from Cardiff University's School of Earth Sciences is collaborating on Stillwater West

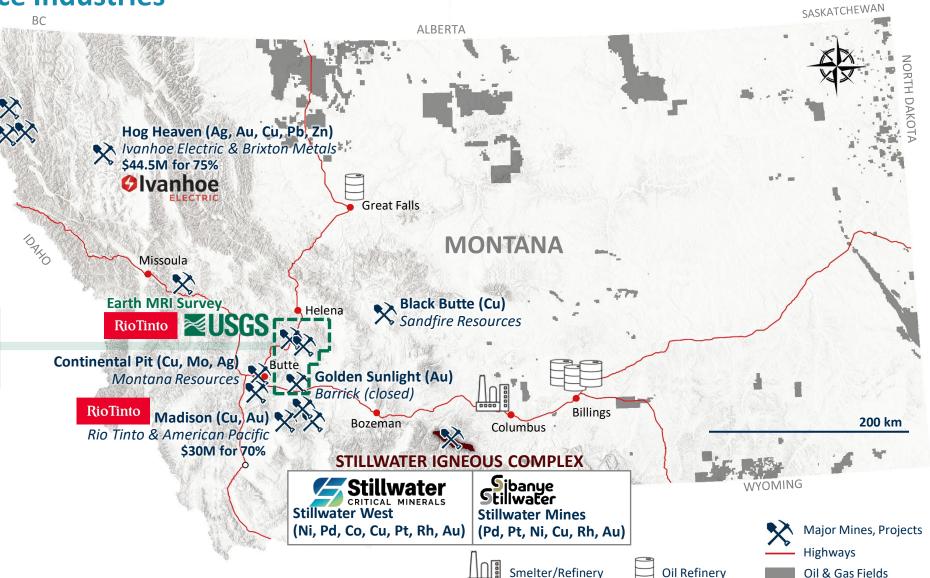


Montana - Resource Industries

Montana has a long history of mineral wealth in

- Base metals (especially copper)
- Precious metals
- Chromium
- Oil, gas, coal
- Platinum Group Elements

Rio Tinto partnered with the **US Geological Survey** for a large geophysical survey targeting critical minerals





Stillwater Complex

A Rich History of Critical Mineral Production

- **1880s** High-grade Ni, Cu mining
- **1940s/50s** High-grade Cr production
- Starting 1986 Production of high-grade Pt, Pd, other metals from select underground mining
- **2021** Inaugural Stillwater West resource (Ni, Cu, Co, Pd, Pt, Rh and Au)
- 2023 Expanded Stillwater West resource

Sibanye-Stillwater production (2021):

- Mining: 570,400 oz Pt+Pd, plus Ni, Cu, Rh, Au, Ag
- Recycling: 755,000 oz Pt+Pd+Rh
- → Total: +15Moz total 2E since 1986, plus Ni, Cu, Rh
- → Stillwater West's Platreef-style deposit model brings scale, and battery metals



OTCQB: **PGEZF**

SE: **5D32**

STILLWATER MINE (Sibanye-Stillwater)









TSX-V: **PGE** OTCQB: **PGEZF** FSE: **5D32**

District – Mines, Infrastructure and Land Status

The Stillwater Igneous Complex • Similar to South Africa's Bushveld Complex Smelter, Refinery & Recycling • Third largest layered magmatic complex in the Complex - Columbus, MT (60 km) world, largest in western hemisphere J-M Reef Deposit Sibanye-Stillwater World-class mineral endowment Over 100Moz >14.4 g/t Pd+Pt: • 40km x 8km on surface, open at depth • 86.9 Moz in resources/resources • Highly prospective for Ni, Cu, Pd, Pt, Au, Cr, Rh Blitz Extension (2017) • over 15 Moz in production since 1986 • Over a century of critical minerals production • plus Ni, Cu, Au, Rh, Ag, lesser PGEs Stillwater Mine (1986) East Boulder Mine (2002) SIBANYE-STILLWATER **Stillwater West** STILLWATER CRITICAL 1.6 Blbs Ni+Cu+Co MINERALS +3.8 Moz Pd+Pt+Rh+Au in a Platreef setting STILLWATER WEST (25 KI



Layered Mafic-Ultramafic Magmatic Deposits

The World's "Porphyry-Scale" Nickel and PGE deposits

Platreef-style deposits are some of the largest and most profitable nickel and PGE mines in the world

The Stillwater Layered Mafic-Ultramafic Complex shares many similarities with the South Africa's Bushveld Complex

- Continuous Ni-PGE sulphide mineralization over 700m in drilling with high-grade intercepts over 30-100m
- Resource area shows potential for multiple Platreef-scale systems in drilling, geophysics, and surface geochemistry

Ivanhoe Mines Platreef Deposit

8 Blbs Ni+Cu & 95 Moz PGEs¹



Mogalakwena "Platreef" Deposit (Anglo American)

15 Blbs Ni+Cu & 152 Moz PGEs²

OTCQB: PGEZF

FSE: **5D32**

TSX-V: PGE



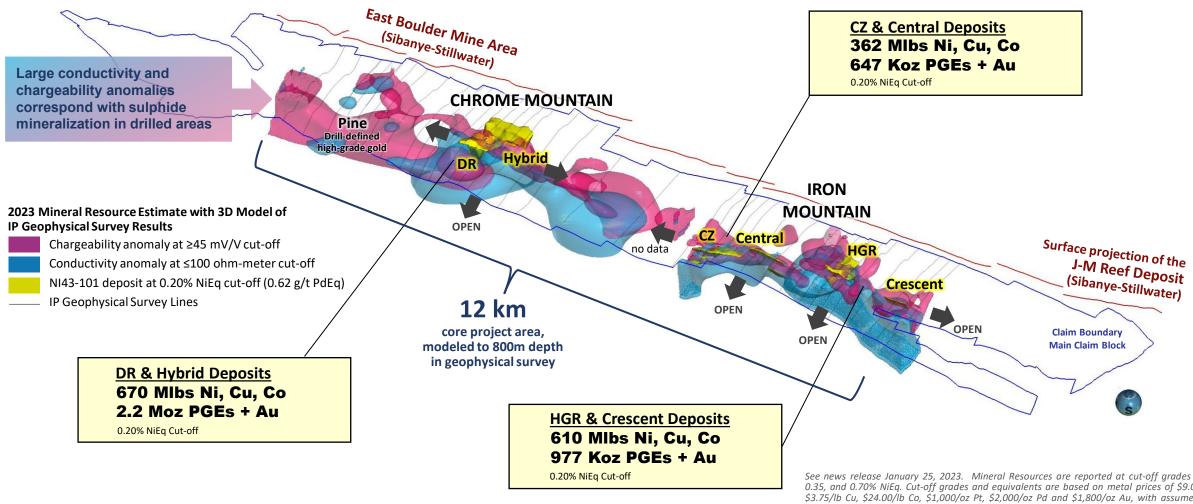






Stillwater West

Five Deposits with Kilometer-Scale Expansion Potential





See news release January 25, 2023. Mineral Resources are reported at cut-off grades of 0.20, 0.35, and 0.70% NiEq. Cut-off grades and equivalents are based on metal prices of \$9.00/lb Ni, \$3.75/lb Cu, \$24.00/lb Co, \$1,000/oz Pt, \$2,000/oz Pd and \$1,800/oz Au, with assumed metal recoveries of 80% for Ni, 85% for copper, 80% for Co, Pt, Pd and Au, a mining cost of US\$2.50/t rock and processing and G&A cost of US\$18.00/t mineralized material. Mineral Resources are not Mineral Reserves as they do not have demonstrated economic viability. The quantity and grade of reported Inferred Resources are uncertain in nature and there has been insufficient exploration to define these Inferred Resources as Indicated or Measured. However, based on the current knowledge of the deposits, it is reasonably expected that the majority of Inferred Mineral Resources could be upgraded to Indicated Mineral Resources with continued exploration.

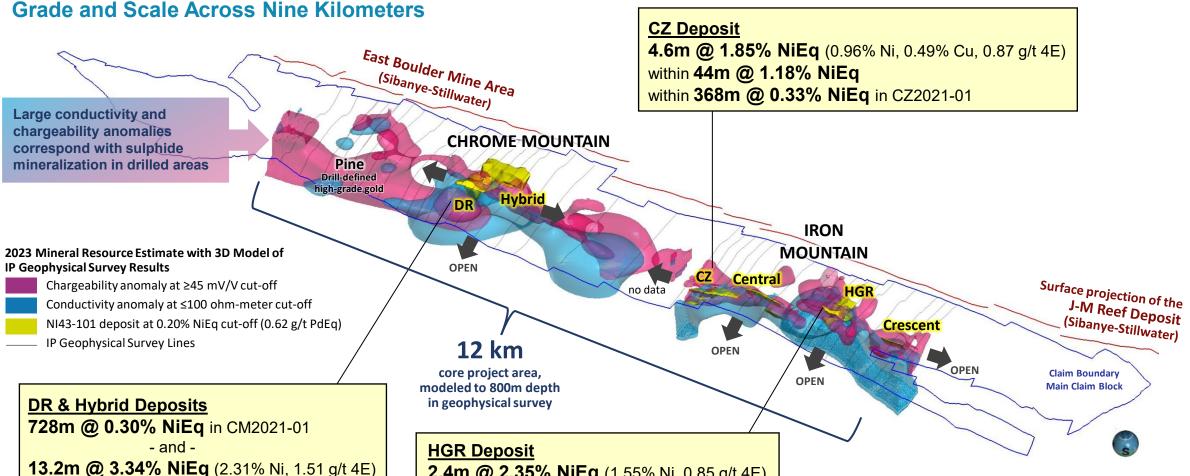
OTCQB: PGEZF

FSE: **5D32**

TSX-V: PGE

Stillwater West

TSX-V: PGE OTCQB: PGEZF FSE: 5D32





within **96m** @ **0.60% NiEq**

within **401m** @ **0.31% NiEq** in CM2021-05

2.4m @ 2.35% NiEq (1.55% Ni, 0.85 g/t 4E) within **68m @ 0.46% NiEq**

within 379m @ 0.34% NiEq in IM2021-05

- and -

26.8m @ 0.96% NiEq

within 272m @ 0.42% NiEq in IM2019-03

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Resource Estimate

TSX-V: PGE OTCQB: PGEZF FSE: **5D32**

62%

Resource

expansion

announced

Jan 2023

Low

discovery

costs

Stillwater West NI 43-101 January 2023

WORLD-CLASS GRADE AND SCALE IN A PRODUCING AMERICAN DISTRICT

BATTERY METALS











BASE CASE

0.20% NiEq cut-off

255 MT at 0.39% NiEq (or 1.19 g/t PdEq)

1.64 Blbs

@ 0.27% NiEq

235 Mlbs

3.81 Moz

@ 0.47 g/t 4E

Equals 2.18 Blbs NiEq (or 9.79 Moz PdEq)

1.13% Sulphur

HIGHER GRADE

0.35% NiEq cut-off

120 MT at 0.51% NiEq (or 1.58 g/t PdEq)

1.05 Blbs @ 0.35% NiEq

2.35 Moz

@ 0.61 g/t 4E

Equals 1.35 Blbs NiEq or (6.07 Moz PdEq)

1.79% Sulphur

HIGH-GRADE

0.70% NiEq cut-off

(or 3.24 g/t PdEq)

11.6 MT at 1.05% NiEq

363 Koz

@ 0.98 g/t 4E

Equals 268 Mlbs NiEq or (1.21 Moz PdEq)

6.16% Sulphur

@ 0.79% NiEq

CRITICAL MINERALS

See news release January 25, 2023. Mineral Resources are reported at cut-off grades of 0.20, 0.35, and 0.70% NiEq. Cut-off grades and equivalents are based on metal prices of \$9.00/lb Ni, \$3.75/lb Cu, \$24.00/lb Co, \$1,000/oz Pt, \$2,000/oz Pd and \$1,800/oz Au, with assumed metal recoveries of 80% for Ni, 85% for copper, 80% for Co, Pt, Pd and Au, a mining cost of US\$2.50/t rock and processing and G&A cost of US\$18.00/t mineralized material. Mineral Resources are not Mineral Reserves as they do not have demonstrated economic viability. The quantity and grade of reported Inferred Resources are uncertain in nature and there has been insufficient exploration to define these Inferred Resources as Indicated or Measured. However, based on the current knowledge of the deposits, it is reasonably expected that the majority of Inferred Mineral Resources could be upgraded to Indicated Mineral Resources with continued exploration.

Resource Estimate

TSX-V: PGE OTCQB: PGEZF FSE: **5D32**

Stillwater West NI 43-101 January 2023

WORLD-CLASS GRADE AND SCALE IN A PRODUCING AMERICAN DISTRICT

BATTERY METALS





PGE + GOLD (4E)







NSR VALUE at \$9/lb Ni (USD, Gross)

BASE CASE

0.20% NiEq cut-off

255 MT at 0.39% NiEq (or 1.19 g/t PdEq)

1.64 Blbs

@ 0.27% NiEq

3.81 Moz

@ 0.47 g/t 4E

Equals 2.18 Blbs NiEq (or 9.79 Moz PdEq)

1.13% Sulphur

255 MT at \$77/T 0.20% NiEq cut-off = \$40/T

HIGHER GRADE

0.35% NiEq cut-off

120 MT at 0.51% NiEq (or 1.58 g/t PdEq)

1.05 Blbs

@ 0.35% NiEq

2.35 Moz

@ 0.61 g/t 4E

Equals 1.35 Blbs NiEq or (6.07 Moz PdEq)

1.79% Sulphur

120 MT at \$101/T 0.35% NiEq cut-off = \$69/T

HIGH-GRADE

0.70% NiEq cut-off

11.6 MT at 1.05% NiEq

(or 3.24 g/t PdEq)

235 Mlbs

@ 0.79% NiEq

363 Koz

@ 0.98 g/t 4E

Equals 268 Mlbs NiEq or (1.21 Moz PdEq)

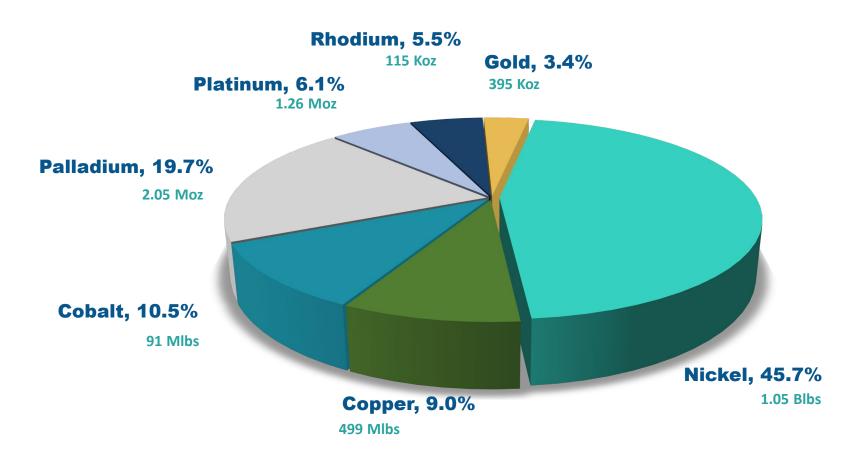
6.16% Sulphur

11.6 MT at \$208/T 0.70% NiEq cut-off = \$139/T



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Commodities by Value at Stillwater West - An Attractive and 'Internally Hedged' Blend¹





Capital structure

TSX-V: PGE OTCQB: PGEZF FSE: 5D32

& Relative Share Performance

Visibility to over \$3.5M:

- Approx. \$2.2M cash and equivalents
- ~\$1.3M in-the-money warrants and options

Securities:

 3.9M Heritage Mining shares (HML)

Share price (as of April 10, 2023)

Shares issued & outstanding

Options (average exercise price: \$0.27)

Warrants (average exercise price: \$0.32)

Fully diluted shares

Market capitalization (basic)

Cash & cash equivalents

In-the-money options & warrants

