GoldRoyalty///

Corporate Presentation

A leading growth focused precious metals royalty company in the Americas Q2 2023

Disclaimer

Forward-Looking Information

The information contained herein includes "forward-looking information" and "forward-looking statements" within the meaning of applicable Canadian and U.S. securities laws ("forward-looking statements"). Forward-looking information and statements include, but is not limited to, statements with respect to the activities, events or developments that Gold Royalty Corp. ("GRC" or the "Company") expects or anticipates will or may occur in the future, including those regarding estimated future Total Revenues and Option Proceeds; expectations regarding the development of the projects underlying the Company's royalty interests; expectations regarding the Company's growth and statements regarding the Company's plans and strategies. Such statements can be generally identified by the use of terms such as "may", "will", "expect", "intend", "believe", "plans", "anticipate" or similar terms. Forward-looking information and statements are based on the then current expectations, beliefs, assumptions, estimates and forecasts about GRC's business and the industry and markets in which it operates. Forward-looking information and statements are made based upon numerous assumptions and although the assumptions made by the Company in providing forward-looking information and statements are considered reasonable by management at the time, there can be no assurance that such assumptions will prove to be accurate. Forward-looking information and statements also involve known and unknown risks and uncertainties and other factors, which may cause actual results, performances and achievements of GRC to differ materially from any projections of results, performances and achievements of GRC, including, without limitation, any inability of the operators of the properties underlying the Company's royalty interests to execute proposed plans for such properties or to achieve planned development and production estimates and goals, risks related to the operators of the projects in which the Company holds interests, including the successful continuation of operations at such projects by those operators, risks related to exploration, development, permitting, infrastructure, operating or technical difficulties on any such projects, the influence of macroeconomic developments and the ability, the Company to carry out its growth plans and other factors set forth in the Company's Annual Report on Form 20-F for the year ended September 30, 2022 and its other publicly filed documents under its profiles at www.sedar.com and www.sec.gov.

Although the Company has attempted to identify important factors that could cause actual results to differ materially from those contained in the forward-looking information and statements, there may be other factors that cause results not to be as anticipated, estimated or intended. There can be no assurance that forward-looking information and statements will prove to be accurate, as actual results and future events could differ materially from those anticipated, estimated or intended. Accordingly, readers should not place undue reliance on forward-looking information and statements. The Company undertakes no obligation to update or reissue forward-looking information as a result of new information or events except as required by applicable securities laws.

Technical Information

Alastair Still, P.Geo., the Director of Technical Services of the Company, is a qualified person as such term is defined under National Instrument 43-101 – Standards of Disclosure for Mineral Projects ("NI 43-101") and subpart 1300 of Regulation S-K ("SK1300") and has reviewed and approved the scientific and technical information contained herein regarding the Company's royalty and other interests.

Disclosure relating to properties in which GRC holds royalty or other interests is based on information publicly disclosed by the owners or operators of such properties. The Company generally has limited or no access to the properties underlying its interests and is largely dependent on the disclosure of the operators of its interests and other publicly available information. The Company generally has limited or no ability to verify such information. Although the Company does not have any knowledge that such information may not be accurate, there can be no assurance that such third-party information is complete or accurate. In addition, certain information publicly reported by operators may relate to a larger property than the area covered by the Company's interest, which often may only apply to a portion of the overall project area or applicable mineral resources or reserves. It cannot be assumed that all or any part of a measured, indicated or inferred resource will ever be upgraded to a higher category. "Inferred mineral resources" have a greater amount of uncertainty as to their existence and their economic and legal feasibility. Therefore, readers are cautioned not to assume that all or any part of the "inferred mineral resources" exist.

Unless otherwise indicated, the technical and scientific disclosure contained or referenced in this presentation, including any references to mineral resources or mineral reserves, was prepared by the project operators in accordance with NI 43-101, which differs significantly from the requirements of SK1300 applicable to domestic issuers. Under SK1300, the U.S. Securities and Exchange Commission ("SEC") recognizes estimates of "measured mineral resources", "indicated mineral resources" and "inferred mineral resources". In addition, the SEC has amended its definitions of "proven mineral reserves" and "probable mineral reserves" to be substantially similar to the corresponding Canadian Institute of Mining, Metallurgy and Petroleum ("CIM") – CIM Definition Standards on Mineral Resources and Mineral Reserves (the "CIM Definition Standards"), adopted by the CIM Council, as amended. U.S. readers are cautioned that while terms are substantially similar to CIM Definition Standards, there are differences in the definitions and standards under SK1300 and the CIM Definition Standards. Accordingly, the scientific and technical information contained or referenced in this presentation may not be comparable to similar information made public by U.S. companies subject to the reporting and disclosure requirements of the SEC.

Gold Royalty Corp. Investment Highlights



A Better Way to Invest in Gold

- Precious metals focused
- Insulated from operating and capital cost inflation
- Diversified asset exposure
- Free exposure to exploration investment



III Quality Portfolio with Tier 1 Royalties in North America

- Diverse portfolio of over 200 royalties anchored in the best mining jurisdictions in the world
- · Cornerstone royalties on tier 1, long life assets operated by premier mining companies in the industry
- Multiple assets entering or ramping up production in the near term
- Significant exploration investment across the portfolio



III Experienced Management Team & Board

- Over 400 years of collective experience
- Operating background gives a clear-eyed view of the underlying risks in our investments
- Breadth of experience across finance, operations, engineering, geology, and capital markets

Gold Royalty Companies Protect Investors from Inflation

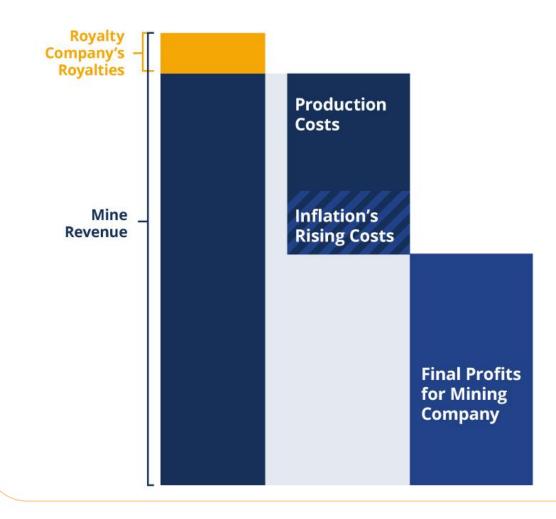
Royalty companies are insulated from cost inflation

Rising inflation causes real rates to decline, driving up the price of gold and proceeds from royalties



Royalty Business Model

Royalty Company Revenue vs Mining Company Profit



Benefits of the Royalty Model



Top line revenue exposure



Free exposure to exploration upside



Focus and scalability



Reduced single asset risk through diversification



Lean and scalable human capital requirements



This enables royalty companies to have high margins and outperform both gold and gold mining companies.

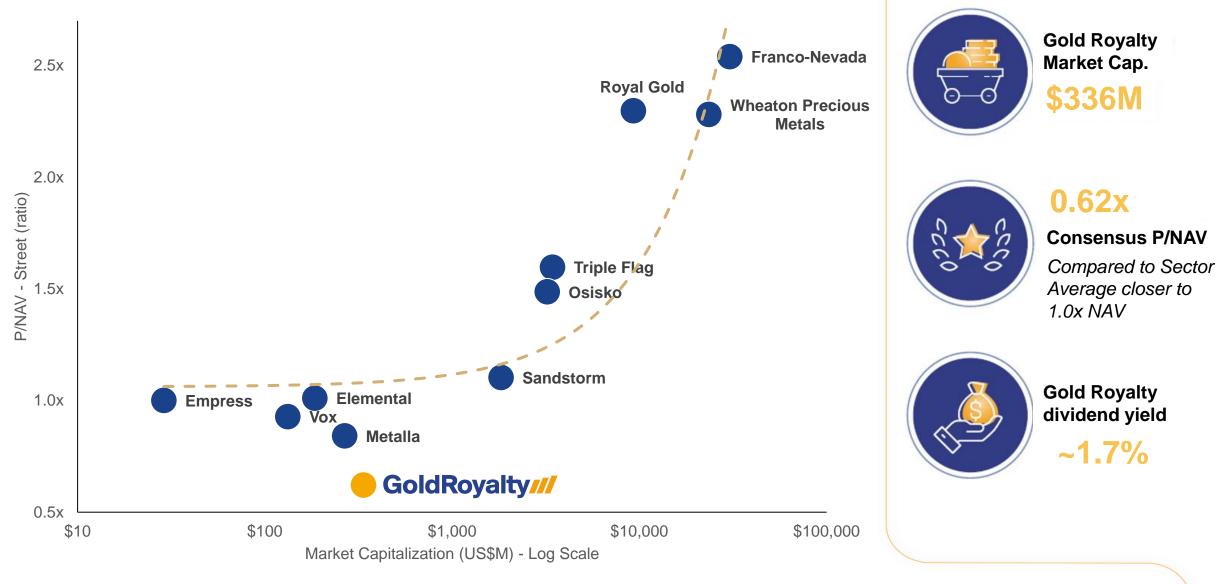
Historical Outperformance

By having lower costs, royalty companies can achieve high margins, strong cash flows, and significant scale.



Gold Royalty has Significant Potential Growth

Undervalued on a P/NAV basis



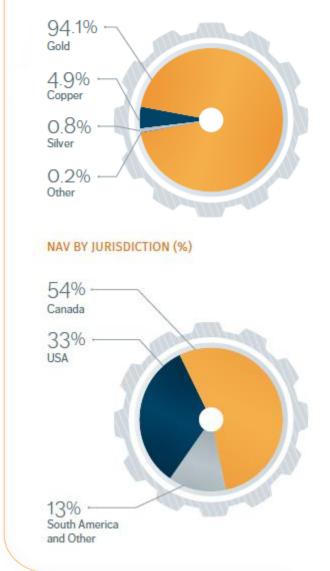
goldroyalty.com / NYSE: GROY Source: Based on analyst consensus estimates of NAV as of May 5, 2023 as published by S&P Capital IQ. Provided for informational purposes only and not intended as a valuation of the company's assets.

The Foundations for Future Growth *High-quality assets, operators, and mining regions*





NAV BY COMMODITY (%)

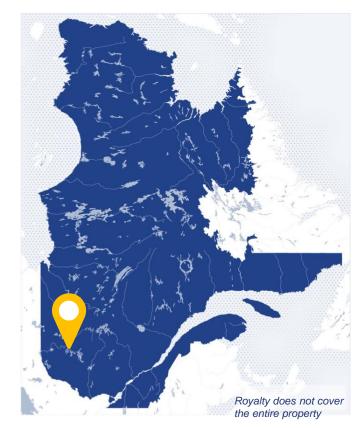


goldroyalty.com / NYSE: GROY

Portfolio Anchored by North America's Largest Gold Mines

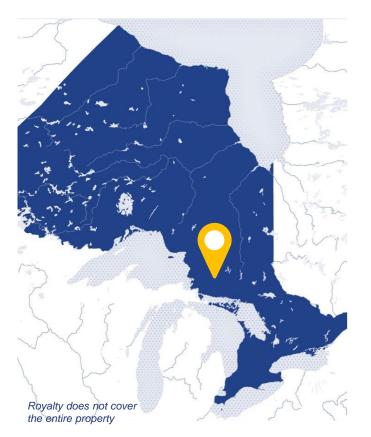
Canadian Malartic

The Odyssey Project



Underground development project on one of Canada's largest gold mines

The Côté Gold Project



Development well advanced on what will become one of the largest gold mines in Canada Goldstrike Mine The REN Project



Extension of the largest gold mine in the U.S. with resource growth on the horizon

Gold Royalty Moving Forward *Robust Sources of Growth Coming Into Production*



Revenue Growth Expected from Development Assets

Several projects are advancing with production expected in the near term

Multiple Assets Fueling Growth

Odyssey Mine – initial production Q1 2023, ramping up towards 2027/2028

Borden Mine – increasing royalty coverage at depth

Côté Gold – initial production expected in early 2024

Gold Rock – release of Feasibility Study and construction decision in 2024

Jerritt Canyon – Restart of production after temporary suspension

Railroad-Pinion – permits expected in H2/2023

REN – Incorporated into Carlin Complex mine plan in near term (2025/2026)

Granite Creek – updated studies in 2023, ramping up production

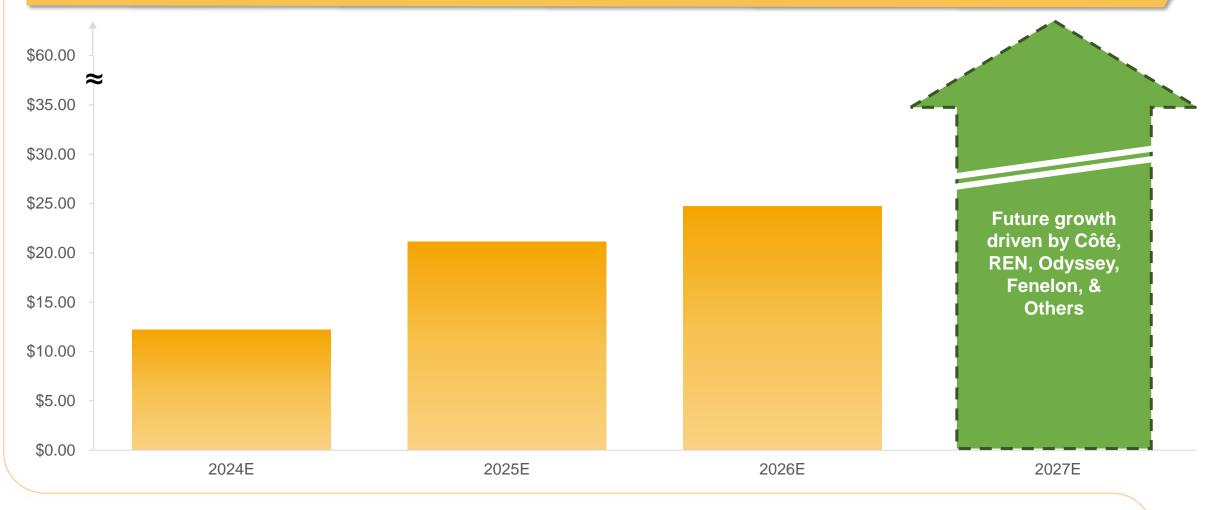
Fenelon – PEA expected in Q2/2023

Whistler – Recent IPO, PEA expected in late 2024

2023 - 2024 - 2025 - 2026 - 2027 +

Gold Royalty Moving Forward Sector Leading Organic Revenue CAGR of ~60% (2023 - 2025)

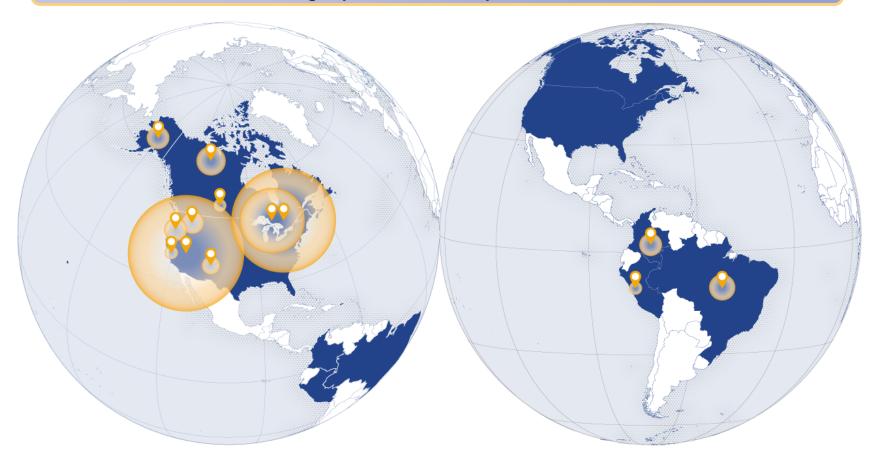
Gold Royalty Revenue Profile and Growth Expected (US\$ mm)⁽¹⁾



Free Exploration Upside Exposure

Gold Royalty's portfolio of over 200 royalties is anchored in the best mining jurisdictions in the world, on high-quality assets, with the best operating partners in the sector.

Over 700,000 meters of drilling in 2022 on underlying properties and over 600,000 meters of drilling expected to be completed in 2023⁽¹⁾



Canada

Quebec

Ontario

U.S.

Nevada

Alaska

Idaho

Oregon

New Mexico

California

Brazil

Peru

Colombia

Northwest Territories

Saskatchewan

72

31

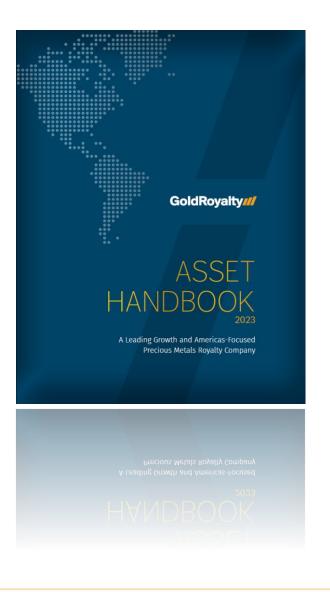
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4

4

Gold Royalty Inaugural Asset Handbook



16 PRODUCTION ODYSSEY CANADIAN MALARTIC UNDERGROUND

 OPERATOR
 Agnico Explo

 LOCATION
 Quibec, Canada

 COMONOTIES
 Au. Ag

 AGREEMENT TYPE
 NSR Royalty:

 TERMS
 30.0% NSR Royalty:

 Acquisition
 2021 - AbioStraining

 Acquisition
 2021 - AbioStraining

The Canadian Malartic Complex, consisting of the Canadian Malartic gold mine and Odyssey Underground Project, is one of Canada's largest operating gold mines and is fully owned and operated by Agnico Eagle.

The mine is located in the Town of Malartic, in the heart of Quebeck Abtribl Gold Beit, Canada. From 1925 to 1987 underground mine proceders, and most recently, the consolitated property witch Depare production is a contained and the consolitated property witch Depar production in a contained product of the consolitated product mana planty accesside oxide of Coldako Maring in which Agrico to Agrice and Coldako and Coldako Maring and Agrice and Agr

Eagle and Yamana formed a joint committee to operate the Canadian Malartic mine - the Canadian Malartic Partmethip. In 2023 Agrico Engled comploted the acquisition of Yaman's 9:0% interest in the mine and now holds too% of Canadian Malartic. The Odyssey Underground Project ("Odyssey") is the underground

GOLD ROYALTY CORP



only converts 47% of the current mineral resource. These factors represent the potential to increase annual production and to extend the mine life. The development of Odyssey combines the use of both ramp and

shaft to access the four main mineratized zones: Obysey North, Odyseys South, Exert Martier, and Test Caudida. Gold Roykey Nor Odyseys, primarily over the Odyseys Merhan dc East Malaric deposits, while also covering a smaller parties of the Norris Zone and currently producing Birmat PI. The shallow minerated zones will be mined using a dual ramp

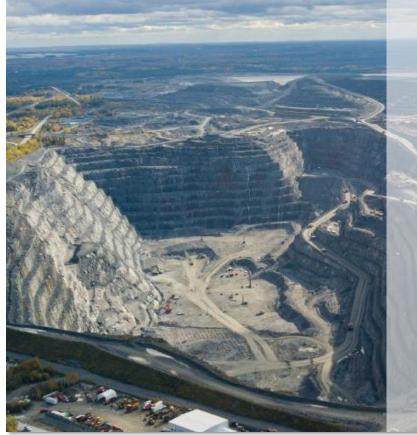
system from suffice whereas deeper mineralized zone will be accound from production shaft. The min argumated a depth of panel (2) gazza and development of production hwells is underway. The location adjust is maintained and stage programation, with delineation diffing to be initiated in any 2023, Diffing providuals to expend the dosyes South and East Couldia zones and delineate the Origonsy Internal zones, which were may providually considered in the 2000 FRA ming Baht. The werall project continuum to the on the 2000 FRA ming Baht. The werall project continuum to the on the 2000 FRA ming Baht. The werall project continuum to the on the 2000 FRA ming Baht. The werall project continuum to the one schedule, with the first kay mitaleness of digid podication that one Origans South in Q1-2022 granmating on targets. The Origansy team is in the process of adjustments of the origin of podiction during the construction and exist with of distaged production during the construction and exist with of distaged production during the construction and exist with of distaged production during the

construction period, lut their of hinting the initial capital cost and optimizing the cash live profile saturing in a cas3. Exploration results continue to august the potential connection of the East Coulde doops and the Nerror. Con allong strike to the vest othere additional drilling is currently underway. Further exploration success the test mare the Nerror Nerror periodies additional update to Gold Royality's royality coverage over the project. he PEA is preliminary in notare, and there is no certainly that the reported results will be realized. Mineral resources used for the PEA included inferred mineral searces which are considered to appeculative geologically to have the economic considerations applied to them that would enable them to be categorized as simair resources, and there is no certainly that the projected economic performance will be realized.



Our Commitment to Sustainability

Gold Royalty is committed to the highest standards of sustainability, partnering with operators who are leaders in Environmental, Social and Governance (ESG) practices.



Our ESG goals:



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Measure and reduce our GHG emissions, including our financed emissions

Invest in our local communities, including in-partnership with our operating partners

Disclose our ESG performance to ensure transparency for investors

Ensure Board oversight of our ESG performance

Gold Royalty Inaugural Sustainability Report



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III Experienced Management Team & Board

- Over 400 years of collective experience
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Appendix

- Capital Structure Overview
- Management & Board
- Key Asset Overview

Gold Royalty at a Glance *Strong Balance Sheet and Key Shareholders*

Capital Markets Overview⁽¹⁾

Share Structure

Issued & Outstanding	144.5 M
Warrants	13.2 M
Options & RSUs	9.0 M
Fully Diluted	166.7 M

Market Data

Share Price	\$2.20/sh
Dividend Yield (\$0.01/quarter)	1.8%
Avg Daily Trading Value (3-month Avg.)	\$1.1 M
Market Cap.	\$317.88 M
Fully Diluted Market Cap.	\$366.7 M
Cash & Marketable Securities ⁽²⁾	\$9.8M
Credit Facility (\$10M drawn) ⁽³⁾	\$35.0 M

Significant Shareholders Nevada Gold Mines (7%) GoldMining Inc. (15%) Rob McEwen (5%) Jimmy Lee (5%) GDXJ VanEck ETF (4%) **Board & Management (4%) Commodity Capital (1%) BMO Asset Management (1%) Analyst Coverage** CAPITAL 👋 MARKETS **Colin Healey Rene Cartier** BMO **HAYWOOD** RAYMOND LAURENTIAN **Jacques Wortman Brian MacArthur** JAMES BANK **Heiko Ihle** \times HC H.C.WAINWRIGHT&CO.

As of May 10, 2023

Per the Company's most recent quarterly financial statements ending March 31, 2023 Refer to Gold Royalty Press Release dated Feb 13, 2023

Leadership Team Balance of Technical and Capital Markets Experience



David Garofalo Chairman & CEO



Samuel Mah Vice President, Evaluations



Peter Behncke Manager, Corporate Development & Investor Relations



Andrew Gubbels Chief Financial Officer



Jerry Baughman Vice President, Nevada Select Royalty Inc.



Katherine Arblaster Vice President, Sustainability & ESG



John Griffith Chief Development Officer



Alastair Still Director of Technical Services



Yong-Jae Kim General Counsel

Board and Advisors Balance of Technical and Capital Markets Experience



David Garofalo Chairman & CEO



Warren Gilman Director



Alan Hair Director



Glenn Mullan Director



Karri Howlett Director



Ken Robertson Director



Angela Johnson Director



Ian Telfer Co-Chair of the Advisory Board

Amir Adnani Co-Chair of the Advisory Board



Trey Wasser



Tim Young Advisor

Odyssey (Canadian Malartic Underground)

Cornerstone Royalty on One of Canada's Largest Gold Mines

Royalty Overview	
Operator	AGNICO EAGLE
Location	Québec, Canada
Gold Royalty Interest	3% NSR over northern part of the Odyssey Project and other surrounding royalties
Commodities	Au
Asset Stage Start Date	Development 2023 Q1
Expected Production	500-600 koz per year ⁽¹⁾
Life of Mine	Mine life to at least 2039 - based on approx. half of current resources ⁽²⁾
	P&P: 3,526 (100.4 Mt @ 1.09 g/t)
Mineral Resources ⁽²⁾	M&I: 2,540 koz (29.8 Mt @ 2.65g/t)
	Inferred: 13,297 koz (179.3 Mt @ 0.77 g/t)





Odyssey (Canadian Malartic Underground)

Increased Production & Significant Exploration

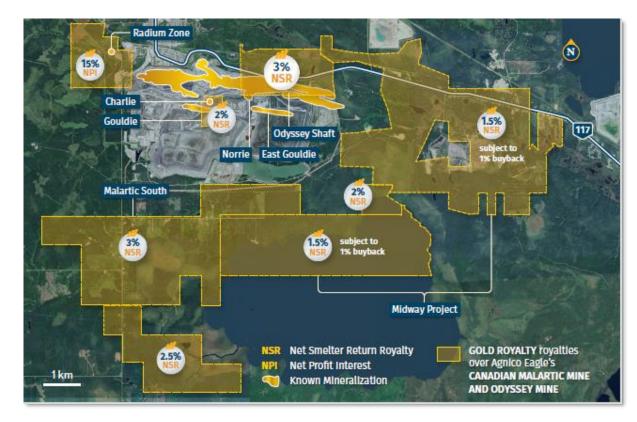
Coverage Summary



3% NSR over the Odyssey North deposit, the majority of the East Malartic deposit, and a portion of the Norrie Zone.



1.5% NSR over the Midway project which lies to the east of Odyssey and just south of the Camflo Mine.







Odyssey (Canadian Malartic Underground)

Development on Schedule and Continuing to Grow

Recent Updates

Development:

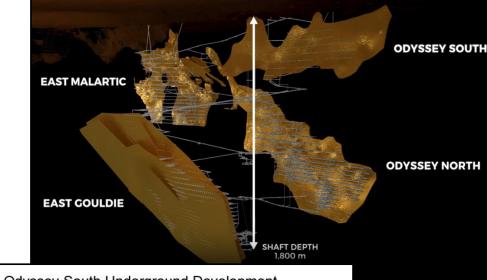
- First production blast at Odyssey South in March 2023
- · Development reached below Odyssey South ore body and first shaft access point.
- Ramp access reached the bottom of the Odyssey South deposit and the first shaft access point at level 54.
- · Construction and development activities remain on schedule.

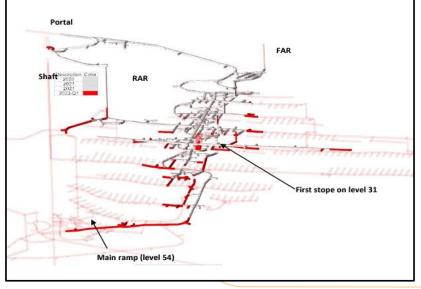
Exploration:

- Step-out drilling to the west of East Gouldie had strong results near the Norrie Zone near Gold Royalty's coverage.
- Step-out drilling to the east near Malartic Rand, Camflo, and Midway resulted in strong results near Gold Royalty's coverage over the Midway property.
- Infill drilling at South Odyssey improves confidence for increased resource conversion in mine plan.

Agnico Eagle closed acquisition of Yamana's Canadian Assets (2023 Q1):

- Agnico Eagle acquired Yamana's 50% interest in Canadian Malartic and its other Canadian assets.
- Agnico Eagle is in a strong position to further optimize the assets.





Odyssey South Underground Development

Odyssey (Canadian Malartic Underground) Odyssey South Expected to Enter Production in 2023

Upcoming Developments⁽¹⁾

2023 Q2	Internal study on Odyssey mine alone with an update on exploration activities
твс	Updated Plan for the Canadian Malartic Complex to utilize excess mill capacity
2027	Initial Production from the Shaft





Côté Gold Project

Tier 1 Generational Asset with Ongoing Development & Exploration Success

Royalty Overview

Operator ⁽¹⁾	CORPORATION
Location	Ontario, Canada
Gold Royalty Interest	0.75% NSR over southern portion of the Mine
Commodities	Au
Asset Stage Est. Start Date	Development 2024 Q1
Expected Production	First 6-year avg.: 495 koz per year LOM avg.: 365 koz per year
Life of Mine ⁽²⁾	Mine life to at least 2041
Mineral Reserves & Resources ⁽²⁾	P&P: 7.2 Moz (233.0 Mt @ 0.96 g/t) M&I: 10.2 Moz (365.5 Mt @ 0.87 g/t) Inferred: 3.8 Moz (189.6 Mt @ 0.63 g/t)





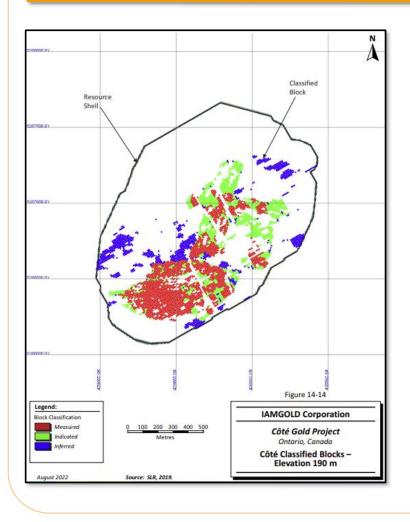
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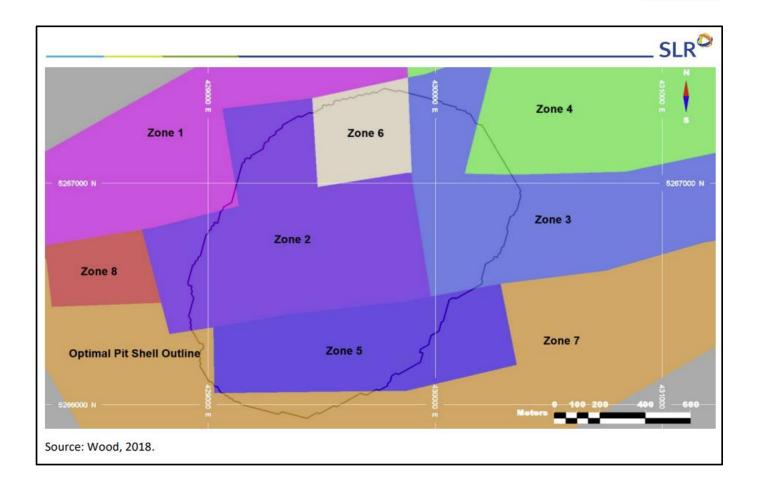
2)

Project Ownership is a 70%/30% Joint Venture between IAMGOLD and Sumitomo respectively for 92.5% of the asset. Source: IAMGOLD Technical Report on the Côté Gold Project, effective date June 30, 2022.

Côté Gold Project Royalty Coverage over Current Mineralization

Coverage Summary (Zones 5 & 7)





Côté Gold Project

Fully Funded Advanced Construction Project

Recent Updates⁽¹⁾

Development:

- The Project is approximately 80% complete.
- ~1,500 workers on site, the project is nearing peak capacity.

Capital Costs (100% basis):

- Incurred \$2.0 billion in costs to March 31, 2023.
- Estimated attributable remaining capital expenses to complete construction and bring Côté Gold into production is \$890-\$1,000 million. (\$625-\$700 million on a 70% basis)

Project Financing:

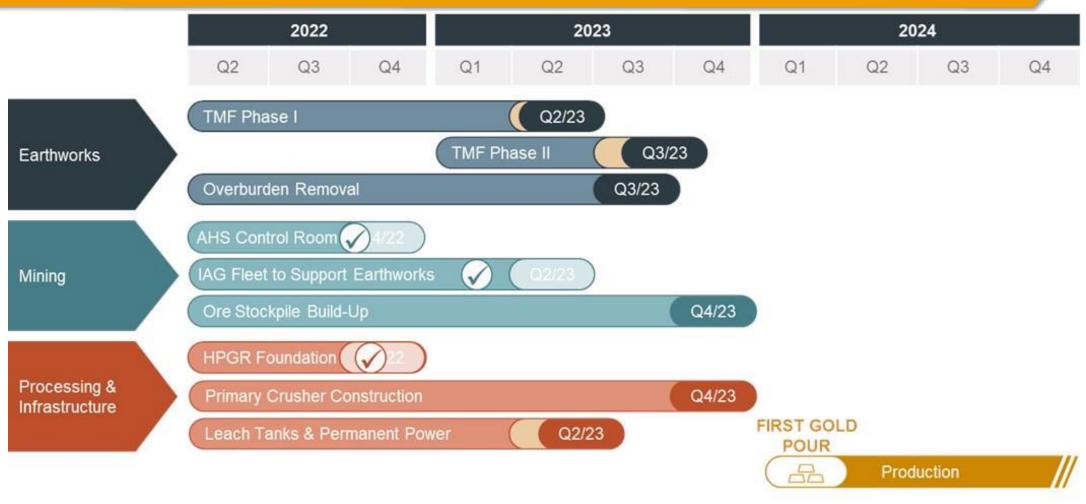
- IAMGOLD had liquidity of \$789.4 million as at March 31, 2023.
- Closed sale of the Rosebel mine for cash consideration of \$360 million in 2023 Q1.
- Signed agreement to sell Bambouk assets (Boto, Karita, Diakha) for cash consideration of \$282 million (expected to close in 2023 Q2/Q3).
- Funding agreement with SMM for up to \$340 million with option to repurchase incremental interest.





Côté Gold Project On-Track for First Gold Pour in 2024 Q1





REN Project

Northern Underground Extension of the Goldstrike Mine

Royalty Overview

Operator ⁽¹⁾	SOLDMINES BARRICK Newmont
Location	Nevada, USA
Gold Royalty Interest	1.5% NSR and 3.5% NPI
Commodities	Au
Asset Stage	Development
Expected Production / Life of Mine	Barrick aiming to incorporate into the mine plan in the "short term"
Mineral Resources ⁽²⁾	M&I: 60 koz (0.1 Mt @ 11.0 g/t) Inferred: 1,600 koz (7.4 Mt @ 6.6 g/t)

Turquoise Twin Creeks South Arturo Goldstrike Winnemucca Phoenix / Lone Tree Cove/McCoy JV Pipeline Cortez Hills Fourmile Goldrush

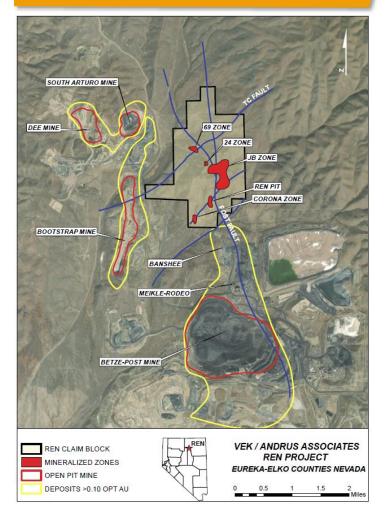


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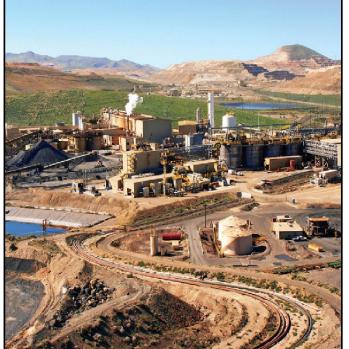
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REN Project *Full Coverage Over Key Areas of Mineralization*

Royalty Coverage Summary



Goldstrike Mine Infrastructure⁽¹⁾





REN Project *Resource Growth Expected in 2023*

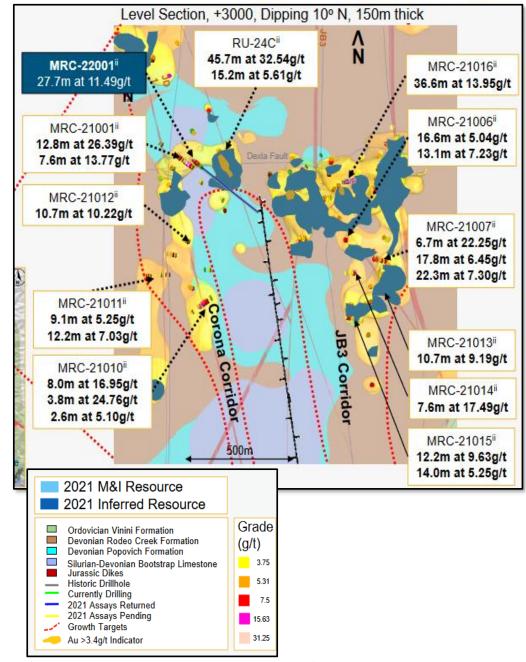
Recent Updates

Exploration:

- Drilling continues to grow inferred resources in significantly sheared JB Zone.
- · Growing confidence in the continuity of mineralization in the Corona Corridor.
- Results are expected to further expand the resource footprint.
- Remaining drilling this year will continue to focus on the exploration potential in the JB Zone and expand the western Corona Corridor.

Upcoming Developments

2023	Continued Exploration and Mining Study Work
2024	Updated Mineral Resource Estimate
"Near Term"	Barrick expected to incorporate REN into the Carlin Complex Production Plan in the near term



Borden Mine Increasing Coverage at Depth

Royalty Overview

Operator⁽¹⁾

Newmont...

Location	Ontario, Canada
Gold Royalty Interest	0.5% NSR over underground workings at Borden Lake
Commodities	Au
Asset Stage	Producing
Expected Production ⁽¹⁾	~100 koz per year
Life of Mine ⁽²⁾	Mine life to at least 2027
	P&P: 950 koz (4.1 Mt @ 7.14 g/t)
Mineral Reserves & Resources ⁽²⁾	M&I: 560 oz (3.0 Mt @ 5.77g/t)
	Inferred: 410 koz (2.3 Mt @ 5.49 g/t)



Borden Mine Increasing Coverage at Depth

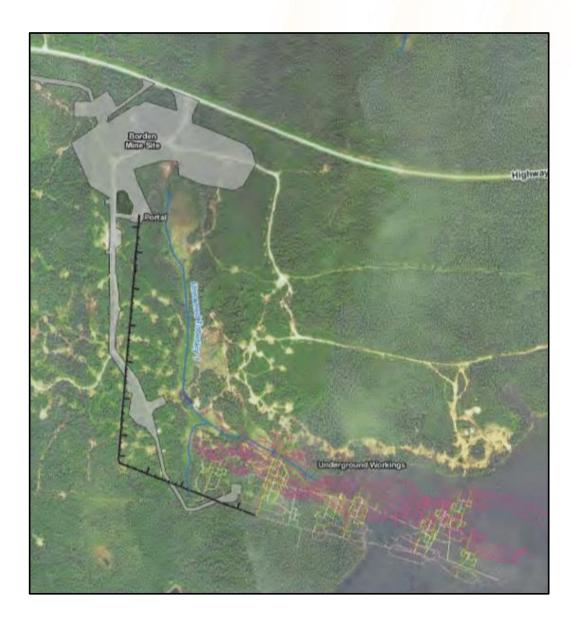
Recent Updates

Production:

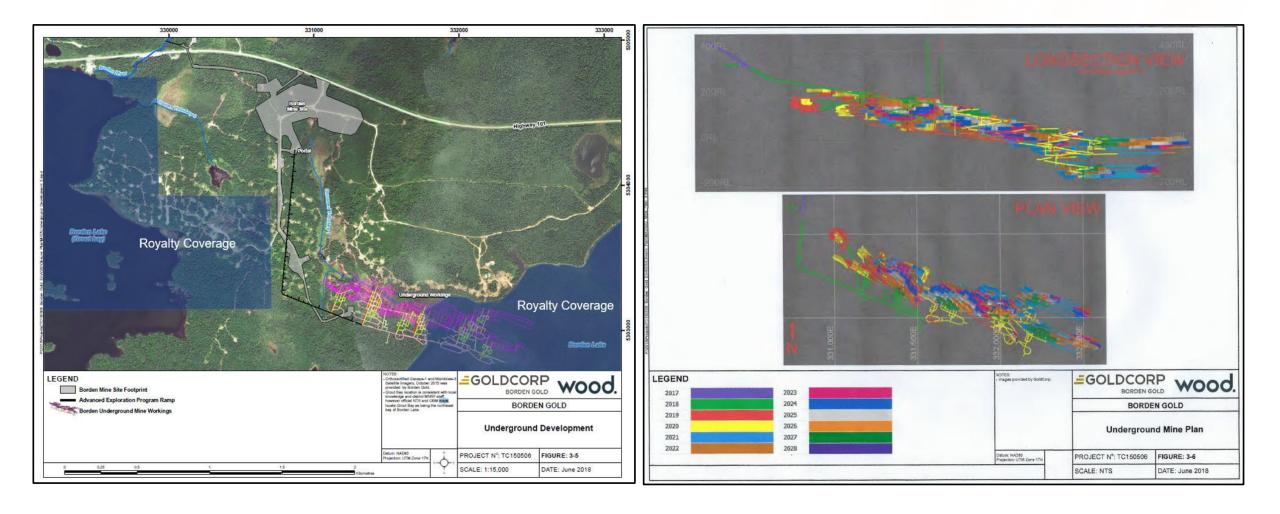
- Achieved commercial production in late 2019 projecting over 100,000 ounces of annual production.
- Ore from Borden is processed at Porcupine's mill near Timmins, Ontario, profitably extending operations at the Porcupine complex.
- Features state-of-the-art health and safety controls, digital mining technologies and processes, and low-carbon-energy vehicles.

Upcoming Developments

2027+ Potential mine life extension through exploration at Porcupine complex.

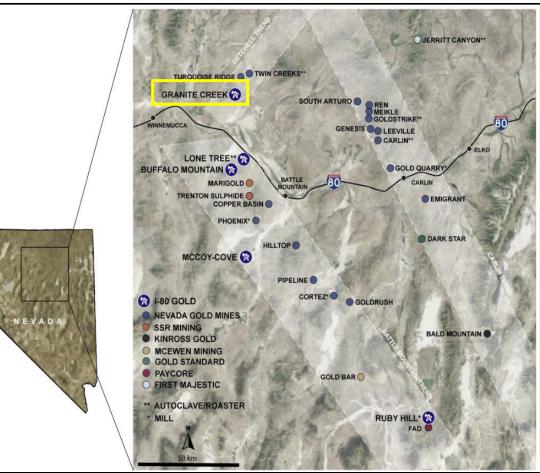


Borden Mine Increasing Coverage at Depth



Granite Creek *High-Grade Mine Ramping up Production*

Royalty Overview		
Operator	GOLD CORP	
Location	Nevada, USA	
Gold Royalty Interest	10.0% NPI ⁽¹⁾	
Commodities	Au	
Asset Stage Start Date	Underground Producing, Open Pit in Development	A
Life of Mine ⁽²⁾	~10+ Years	The second
Mineral Resources ⁽²⁾	Underground Mineral Resources M&I: 337 koz (1,008 kt @ 10.40 g/t) Inferred: 319 koz (741 kt @ 13.41 g/t) Open Pit Mineral Resources M&I: 1,291 koz (28,306 kt @ 1.42 g/t) Inferred: 62 koz (1,531 kt @ 1.26 g/t)	



Granite Creek

Updated Feasibility Study Expected in 2023

Recent Updates

Exploration:

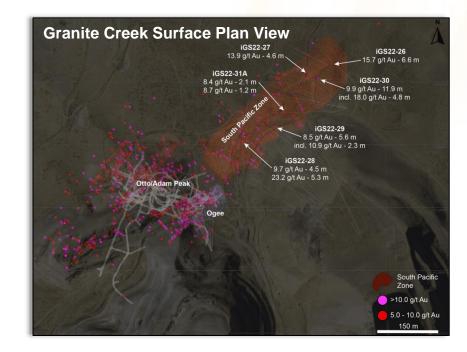
- 30,000-meter drill program in 2022 discovered the South Pacific Zone.
- "The continuity of high-grade mineralization makes the SPZ a priority for development and we look forward to continued expansion drilling in the new year."
 Tyler Hill, i-80 Gold Senior Geologist

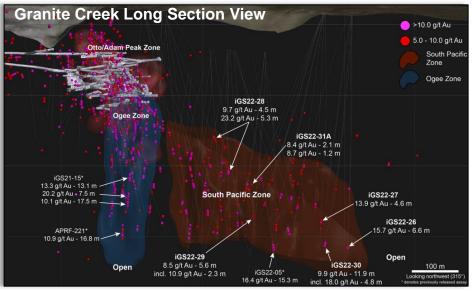
Production:

- Production ramp-up commenced in 2022 and is ramping up from 450 tpd to 1,000 tpd to target commercial production in 2023 Q4.
- Ore is currently being processed off site under a toll milling agreement.

Upcoming Developments

2023 Q2	Updated Feasibility Study for the Ogee Zone and initial resource and PEA for the South Pacific Zone
2023 Q4	Underground mining ramping up to 1,000 tpd (commercial production)
120 koz	Production threshold met on NPI



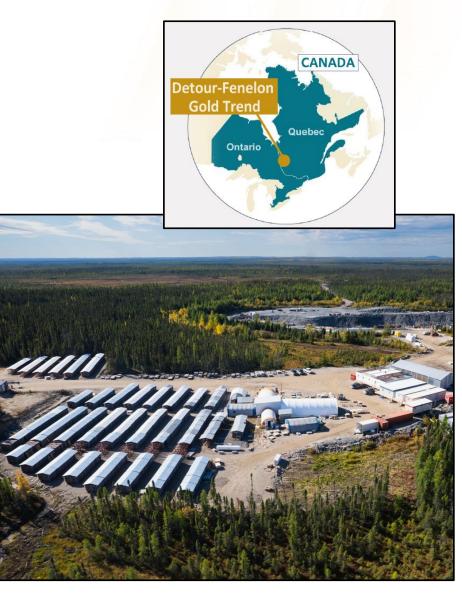


Gold Royalty Interest	2.0% NSR over the Fenelon Gold Project
Commodities	Au
Asset Stage	Advanced Exploration PEA expected in 2023 Q2
Drilling	15,000 meters in 2023 445,000 meters since 2017
Mineral Resources ⁽¹⁾	M&I: 2.37 Moz (21.66 Mt @ 3.40 g/t) Inferred: 1.72 Moz (18.46 Mt @ 2.89 g/t)

Fenelon Gold Project Continued Exploration Success, PEA In-Progress

Royalty Overview

Operator	
Location	Québec, Canada
Gold Royalty Interest	2.0% NSR over the Fenelon Gold Project
Commodities	Au
Asset Stage	Advanced Exploration PEA expected in 2023 Q2
Drilling	15,000 meters in 2023 445,000 meters since 2017
Mineral Resources ⁽¹⁾	M&I: 2.37 Moz (21.66 Mt @ 3.40 g/t) Inferred: 1.72 Moz (18.46 Mt @ 2.89 g/t)



Fenelon Gold Project

Continued Exploration Success, PEA In-Progress

Recent Updates

Exploration:

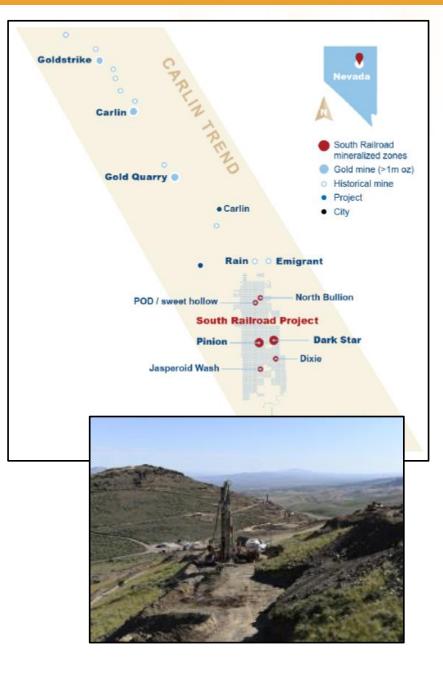
- Updated mineral resource released (2023 Q1):
 - 2.37 Moz indicated (84% increase in grade)
 - 1.72 Moz inferred (85% increase in grade)
- Currently working on a Preliminary Economic Assessment with focus on UG bulk-mineable deposit and assess 6,000-8,000 tpd operation.
- ~15,000 meters of diamond drilling expected in 2023 (large step-out).
- Focus on expansion of known mineralization and exploration.
- · Continued exploration success with new gold zones discovered.

Upcoming Developments

2023 Q2 Release of Preliminary Economic Assessment



Railroad-Pinion Permitting and Resource Expansion Underway		
Royalty Overview		
Operator	ORIA	
Location	Nevada, USA	
Gold Royalty Interest	0.44% NSR over Dark Star & Pinion areas	
Commodities	Au, Ag	
Asset Stage	Development	
Expected Production ⁽¹⁾	~124 koz per year	
Life of Mine	~8+ Years	
Mineral Resources ⁽²⁾	P&P: 1.6 Moz Au (0.77 g/t), 6.1 Moz Ag (2.93 g/t) M&I: 1.8 Moz Au (0.74 g/t), 7.1 Moz Ag (2.93 g/t) Inferred: 0.7 Moz Au (1.00 g/t), 0.09 Moz Ag (0.13 g/t)	



1) Based on Orla Mining Corporate Presentation – March 2023. 2)

Source: Orla Technical report titled "South Railroad Project Form 43-101F1 Technical Report Feasibility Study" with an effective date of February 23, 2022

Railroad-Pinion

Permitting and Resource Expansion Underway

Recent Updates

Orla closed acquisition of Gold Standard Ventures (2022 Q3):

- Solidifies Orla's strategy to become a growth-orientated, low-cost, mid-tier gold producer.
- Began integrating South Railroad project into their production plans.

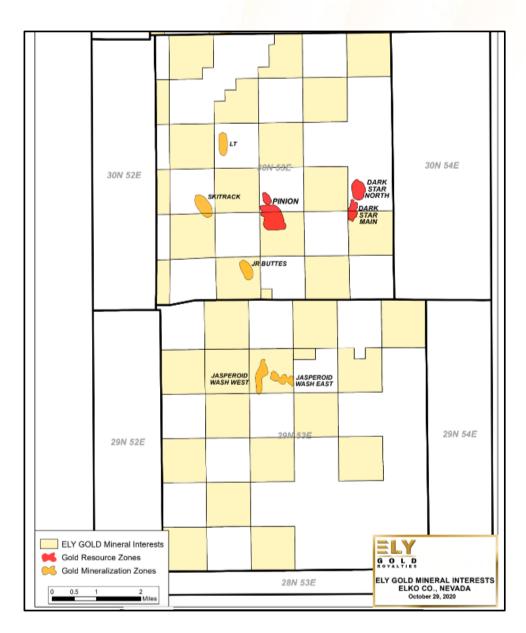
Exploration:

- Focus on upgrading and increasing oxide resources at satellite deposits.
- · Accelerated exploration program to define oxide resources.
- Significant results received from multiple satellite mineralized zones (Pinion, Jaseroid Wash).
- Drill testing multiple exploration targets (Dark Star, Pinion).
- Resource conversion and expansion in South Railroad areas (Dark Star, Pinion, Jasperoid Wash).

Upcoming Developments

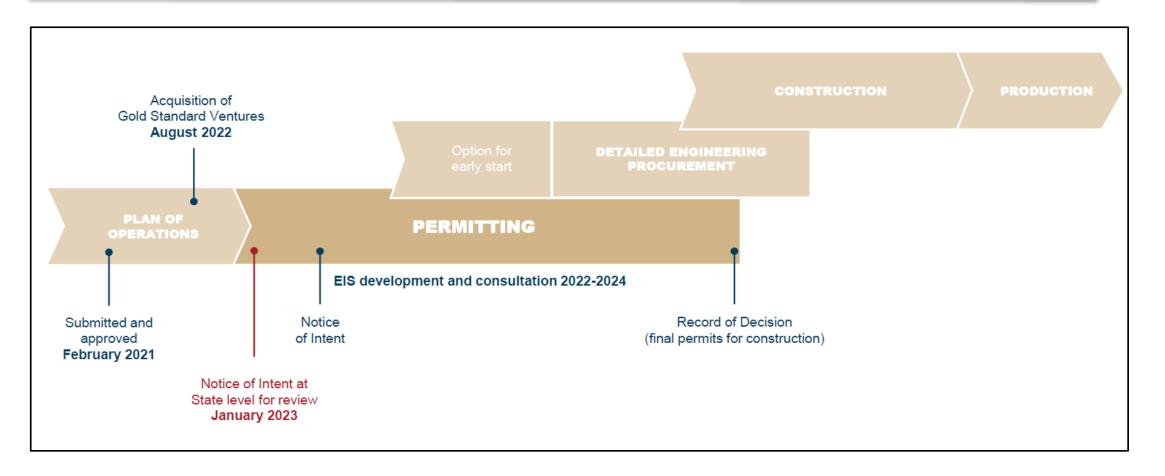
2024	Obtain Records of Decision (final permits for construction)
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2025 Commence construction



Railroad-Pinion EIS Development & Consultation 2022-2024

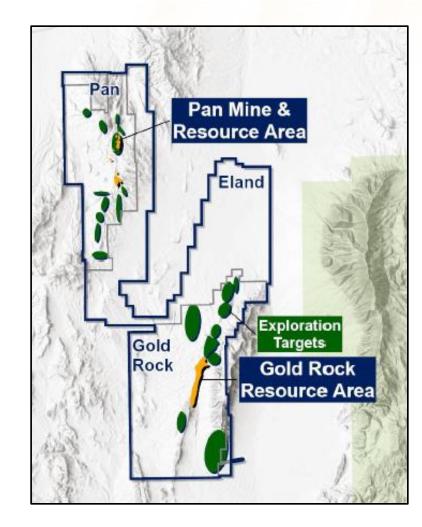
Development Timeline



Gold Rock Project

Recent Discoveries with Technical Studies Underway

Royalty Overview	
Operator	
Location	Nevada, USA
Gold Royalty Interest	0.50% NSR
Commodities	Au
Asset Stage	Development Feasibility expected in 2024
Drilling	35,000 meters in 2023
Mineral Resources ⁽¹⁾	M&I: 0.40 Moz (19.0 Mt @ 0.66 g/t) Inferred: 0.08 Moz (2.70 Mt @ 0.97 g/t)



Gold Rock Project

Recent Discoveries with Technical Studies Underway

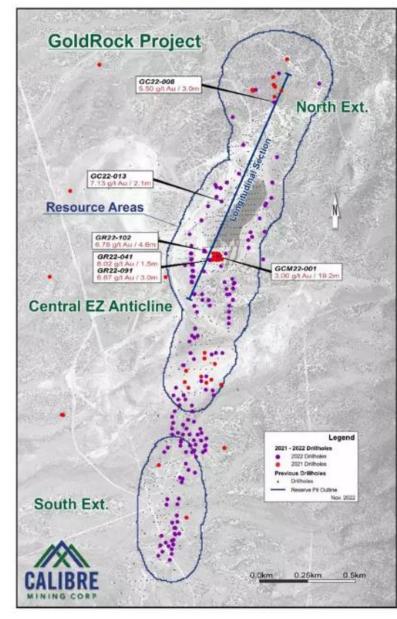
Recent Updates

Exploration:

- Discovery of Carlin-type high-grade sulphide mineralization at depth (2022 Q4):
 - 5.5 g/t Au over 3.0m; 7.1 g/t Au over 2.1m
 - 6.6 g/t Au over 5.8m; 4.1 g/t Au over 8.1m
 - 6.7 g/t Au over 3.0; 6.8 g/t over 4.6m
- Existing federal permits allow for sulphide treatment, providing opportunity to process potentially higher-grade material found at depth.
- · Shifting focus beyond near surface oxide deposits.
- · Technical and exploration studies underway.
- Location on Battle Mountain–Eureka gold trend supports Gold Rock as a viable target for deeper, higher-grade mineralization seen in other prolific deposits to the north.

Upcoming Developments

2024 Release of Feasibility Study and construction decision



Whistler Gold Project

Emerging Gold & Copper District with Exploration Upside

Royalty Overview

Operator	U.S. ** GOLDMINING
Location	Alaska, USA
Gold Royalty Interest	1% NSR + Option ⁽¹⁾ to acquire an additional 0.75% NSR
Commodities	Au, Ag, Cu
Asset Stage	Advanced Exploration PEA expected in late 2024
Mineral Reserves & Resources ⁽²⁾	Indicated: 2.99 Moz (118.2 Mt @ 0.79 g/t) Inferred: 6.45 Moz (317.0 Mt @ 0.63 g/t)



1)

2)

3)

Whistler Gold Project Fully Permitted for Exploration

Recent Updates

Financing:

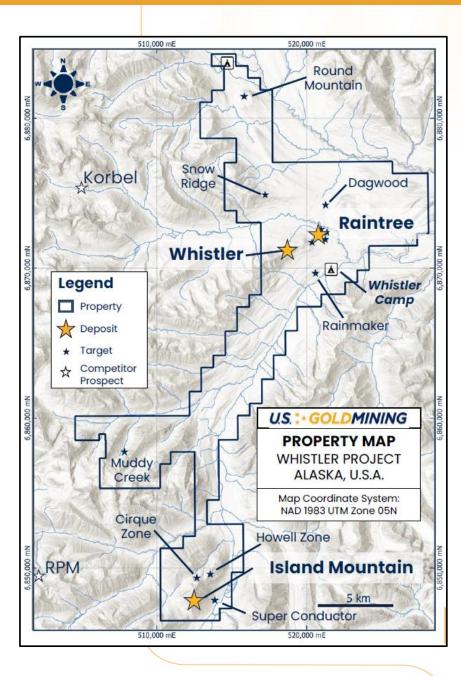
- Successfully closed IPO for total proceeds of \$20 million (2023 Q2).
- Use of funds to fund exploration and development activities at Whistler.

Exploration:

- Focus to upgrade MRE classification (covert resource from inferred to indicated).
- Advance geological models to improve resource model quality.
- Wingspan exploration potential to existing deposits (expand existing resources).
- Target Whistler "corridor" satellite resources through delineation of known porphyry centers and testing of additional porphyry targets for new discoveries.
- Explore Whistler property for additional porphyry, intrusion-related and/or epithermal mineralization.

Upcoming Developments

2023	Exploration Program to upgrade and grow existing resource
2024	Release of Preliminary Economic Assessment





GoldRoyalty///

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