



CAUTIONARY STATEMENTS



FORWARD-LOOKING STATEMENTS

Certain statements contained in this presentation may be deemed "forward-looking statements" within the meaning of the United States Private Securities Litigation Reform Act of 1995 and "forward-looking information" within the meaning of applicable Canadian securities legislation. Forward-looking statements are statements of historical fact, that address, without limitation, future events, production estimates of Osisko's assets (including increase of production), the revised 2024 guidance on GEOs and the 5-year outlook on GEOs included under "Guidance for 2024 and 5-Year Outlook" and other guidance based on disclosure from operators, timely developments of mining properties over which Osisko has royalties, streams, offtakes and investments, management's expectations regarding Osisko's growth, results of operations, estimated future revenues, production costs, carrying value of assets, ability to continue to pay dividend, requirements for additional capital, business prospects and opportunities, future demand for and fluctuation of prices of commodities (including outlook on gold, silver, diamonds, other commodities) currency, markets and general market conditions. In addition, statements and estimates (including data in tables) relating to mineral reserves and resources and statements and revised guidance as to gold equivalent ounces are forward-looking statements, as they involve implied assessment, based on certain estimates and assumptions, including the assumptions set out under "Guidance for 2024 and 5-Year Outlook", and no assurance can be given that the estimates or related revised guidance will be realized. Forward-looking statements are generally, but not always, identified by the words "expects", "potential", "scheduled" and similar expressions or variations (including negative variations), or by statements that events or conditions "will", "would" or "should" occur. Forward-looking statements are subject to known and unknown risks, uncertainties and other factors, most of which are beyond the control of Osisko, and actual results may accordingly differ materially from those in forward-looking statements. Such risk factors include, without limitation, (i) with respect to properties in which Osisko holds a royalty, stream or other interest; risks related to: (a) the operators of the properties, (b) timely development, permitting, construction, commencement of production, ramp-up (including operating and technical challenges), (c) differences in rate and timing of production from resource estimates or production forecasts by operators, (d) differences in conversion rate from resources to reserves and ability to replace resources. (e) the unfavorable outcome of any challenges or litigation relating to title, permit or license. (f) hazards and uncertainty associated with the business of exploring, development and mining including, but not limited to unusual or unexpected geological and metallurgical conditions, slope failures or cave-ins, flooding and other natural disasters or civil unrest or other uninsured risks; (ii) with respect to other external factors: (a) fluctuations in the prices of the commodities that drive royalties, streams, offtakes and investments held by Osisko, (b) fluctuations in the value of the Canadian dollar relative to the U.S. dollar, (c) regulatory changes by national and local governments, including permitting and licensing regimes and taxation policies, regulations and political or economic developments in any of the countries where properties in which Osisko holds a royalty, stream or other interest are located or through which they are held. (d) continued availability of capital and financing to Osisko or the operators of properties, and general economic, market or business conditions, and (e) responses of relevant governments to infectious diseases outbreaks and the effectiveness of such response and the potential impact of such outbreaks on Osisko's business, operations and financial conditions; (iii) with respect to internal factors: (a) business opportunities that may or not become available to, or are pursued by Osisko, (b) the integration of acquired assets or (c) the determination of Osisko's Passive Foreign Investment Company ("PFIC") status. The forward-looking statements contained in this presentation are based upon assumptions management believes to be reasonable, including, without limitation: the absence of significant change in the Company's ongoing income and assets relating to determination of its PFIC status; the absence of any other factors that could cause actions, events or results to differ from those anticipated, estimated or intended and, with respect to properties in which Osisko holds a royalty, stream or other interest, (i) the ongoing operation of the properties by the owners or operators of such properties in a manner consistent with past practice and with public disclosure (including forecast of production). (ii) the accuracy of public statements and disclosures made by the owners or operators of such underlying properties (including expectations for the development of underlying properties that are not vet in production). (iii) no adverse development in respect of any significant property. (iv) that statements and estimates relating to mineral reserves and resources by owners and operators are accurate and (v) the implementation of an adequate plan for integration of acquired assets.

For additional information on risks, uncertainties and assumptions, please refer to the most recent Annual Information Form of Osisko filed on SEDAR+ at www.sec.gov which also provides additional general assumptions in connection with these statements. Osisko cautions that the foregoing list of risk and uncertainties is not exhaustive. Investors and others should carefully consider the above factors as well as the uncertainties they represent and the risk they entail. Osisko believes that the assumptions reflected in those forward-looking statements are reasonable, but no assurance can be given that these expectations will prove to be accurate as actual results and prospective events could materially differ from those anticipated such the forward-looking statements and such forward-looking statements included in this presentation are not guarantee of future performance and should not be unduly relied upon. In this presentation, Osisko relies on information publicly disclosed by other issuers and third-parties pertaining to its assets and, therefore, assumes no liability for such third-party public disclosure. These statements speak only as of the date of this presentation. Osisko undertakes no obligation to publicly update or revise any forward-looking statements, whether as a result of new information, future events or otherwise, other than as required by applicable law.

SAFE HARBOUR STATEMENT

This presentation has been prepared for informational purposes only in order to assist prospective investors in evaluating an investment in Osisko Gold Royalties Ltd. The information related to mining operators provided in this presentation has been sourced from public disclosure. Inquiries regarding this presentation can be made to the senior management of Osisko.

CAUTIONARY NOTE TO U.S. INVESTORS REGARDING MINERAL RESERVE AND MINERAL RESOURCE ESTIMATES

Osisko is subject to the reporting requirements of the applicable Canadian securities laws, and as a result, reports its mineral resources and reserves according to Canadian standards. Canadian reporting requirements for disclosure of mineral properties are governed by National Instrument 43-101 ("NI 43-101"). The definitions of NI 43-101 are adopted from those described by the Canadian Institute of Mining, Metallurgy and Petroleum ("CIM"). In a number of cases Osisko has disclosed resource and reserve estimates covering properties related to the mining assets that are not based on CIM definitions, but instead have been prepared in reliance upon JORC and S-K 1300 (collectively, the "Acceptable Foreign Codes"). Estimates based on Acceptable Foreign Codes are recognized under NI 43-101 in certain circumstances. New mining disclosure rules under Subpart 1300 of Regulation S-K became mandatory for U.S. reporting companies beginning with the first fiscal year commencing on or after January 1, 2021. CIM definitions are not identical to those of the Acceptable Foreign Codes, the resource and reserve definitions and categories are substantively the same as the CIM definitions mandated in NI 43-101 and will typically result in reporting of substantially similar reserve and resource estimates. Nonetheless, readers are cautioned that there are differences between the terms and definitions of the CIM and the Acceptable Foreign Codes, and there is no assurance that mineral reserves or mineral resources would be identical had the owner or operator prepared the reserve or resource estimates under another code.

Mr. Guy Desharnais, PhD., P.Geo., is the qualified person for this presentation as defined by National Instrument 43-101 – Standards of Disclosure for Mineral Projects and has reviewed and verified the technical information contained herein. Mr. Desharnais is an employee of Osisko Gold Rovalties and is non-independent.

SENIOR-QUALITY PORTFOLIO, LEADING GROWTH POTENTIAL

TSX | NYSE: OR

- ♦ Senior-quality precious metal portfolio
 - 20 producing assets⁽ⁱ⁾ anchored by a 5% NSR royalty on Agnico Eagle's Canadian Malartic Complex⁽ⁱⁱ⁾
- → Peer-leading organic growth profile
 - Attributable GEO¹ delivery growth of \sim 40% based on Osisko's current 5-year outlook (2028e)
- → Highest concentration of assets in low-risk Tier-1 mining jurisdictions⁽ⁱⁱⁱ⁾
 Current production and development project pipeline
- ♦ Strong balance sheet & disciplined capital allocation strategy
 - +C\$705 million in available liquidity as of June 30, 2024 between cash and undrawn revolving credit facility (incl. C\$200 million accordion)

+185

royalties, streams and offtakes

77-83k

2024 GEO¹ Delivery
Guidance

97%

cash margin business² 78%

GEOs from 'Tier 1' Mining Jurisdictions⁽ⁱⁱ⁾ (2023)

C\$4.3B

market cap

C\$187M

2023 cash flows from operations

1.12%

dividend yield

1.24x

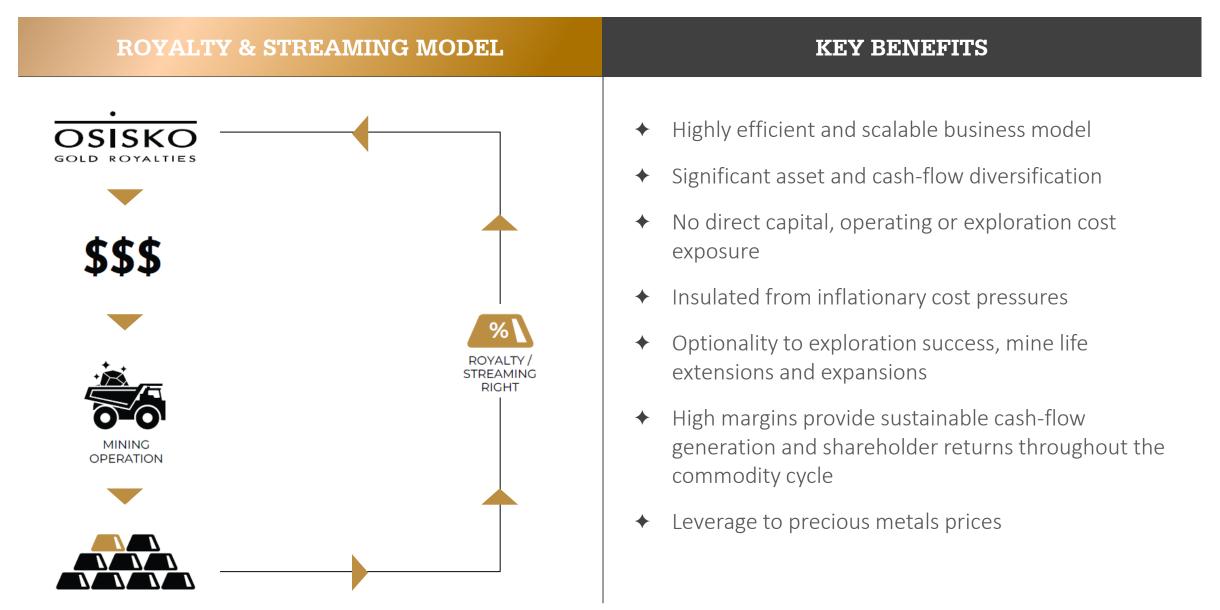
Consensus P/NAV³

Note: Market capitalization, dividend, and P/NAV as at market close on August 30, 2024

- i) Includes G Mining Ventures Corp.'s Tocantinzinho (TZ) mine, and Agnico Eagle Mines Ltd.'s Akasaba West satellite mine at Goldex
- (ii) Canadian Malartic Open Pits 5.0% NSR Royalty; Canadian Malartic Odyssey Underground Blended 4.61% NSR Royalty
- (iii) vs. precious metals royalty & streaming peers; 'Tier-1' mining jurisdictions defined as: Canada, USA, Australia

CORE BENEFITS OF THE ROYALTY & STREAMING BUSINESS MODEL





COMMITTED TO SUSTAINABILITY



OSISKO'S ESG STRATEGY COMMITS TO UPHOLD SUSTAINABLE BUSINESS PRACTICES AND GROW RESPONSIBLY

Five Key Components Underpinning ESG Strategy:



DUE DILIGENCE

Conduct extensive due diligence on investments to ensure adherence to responsible mining practices



CLIMATE CHANGE

Conduct business in a way that protects the environment and, where possible, help our mining partners achieve climaterelated goals



SOCIAL CONTRIBUTIONS

Support the communities that host our offices and partner assets



HEALTH & SAFETY

Encourage the health, safety, and well-being of all our employees



Foster an environment that prioritizes diversity, equity and inclusion

WE SUPPORT



UN Global Compact Participant



World Gold Council Member



Sustainability Report Guided by GRI



Sustainability Report Guided by SASB



Rated "AA" by MSCI



Ranked 6/120 within Precious Metals Industry

Recognized as ESG Regional Top Rated & ESG Industry Top Rated



ISS ESG Corporate "Prime" Rating

MATERIAL ACCOMPLISHMENTS & VALUE DRIVERS





PERFORMANCE

42,327 GEOs earned in H1/24 at a cash margin of 97.0%1

(20,068 GEOs earned in Q2/24)



BUSINESS SIMPLIFICATION & IMPROVED CORPORATE GOVERNANCE

Executing on re-alignment towards being a "pure-play" royalty & streaming company



RECENT SELECT TRANSACTIONS

CASCABEL GOLD STREAM (2024)

- US\$225M total investment for a 6% Gold Stream until 225koz have been delivered (3.6% thereafter)
- US\$10M due on closing (part of a total of US\$30M for phased preconstruction funding)
- Syndicated US\$750M transaction with FNV (Osisko at 30%)

NAMDINI NSR ROYALTY (2023)

- 1.0% Au NSR royalty acquired from Savannah Mining Limited for US\$35M
- First gold production expected Q4/24

CLOSING OF THE CSA Ag/Cu STREAMS (2023)

- US\$150M invested for 100% Ag stream (Feb 2023-) and 3.0-4.875% Cu stream (June 2024-)
- US\$40M invested in MTAL equity
- Both streams now resulting in GEOs earned for Osisko

+C100 MILLION OF REPAYMENT ON REVOLVING CREDIT FACILITY YTD IN 2024



GROWTH

2028e outlook represents +40% growth over current 2024e guidance range of 77-83k GEOs



SHAREHOLDER RETURNS

Q3/24 dividend of \$0.065 per common share

A HIGH-QUALITY PORTFOLIO



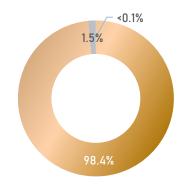


	PRODUCING ASSETS	INTEREST	OPERATING PARTNERS
1	CANADIAN MALARTIC	5% NSR	AGNICO EAGLE
2	MANTOS BLANCOS	100% Ag Stream	CAPSTONE COPPER
3	CSA	100% Ag & 3-4.875% Cu Streams	METALS ACQUISITION LIMITED
4	ÉLÉONORE	2.2-3.5% NSR	NEWMONT
5	SASA	100% Ag Stream	CENTRAL ASIA METALS
6	SEABEE	3% NSR	SSR MINING
7	GIBRALTAR	87.5% Ag Stream	TASEKO MINES
8	ISLAND GOLD	1.38-3% NSR	ALAMOS GOLD
9	PAN	4% NSR	CALIBRE MINING
10	LAMAQUE	1% NSR	ELDORADO GOLD
11	PARRAL	2.4% Au & Ag Streams	GOGOLD RESOURCES
12	DOLPHIN TUNGSTEN	1.5% GRR	GROUP 6 METALS
	BALD MOUNTAIN		KINROSS GOLD
14	FRUTA DEL NORTE	0.1% NSR	LUNDIN GOLD
15	BRAUNA	1% GRR	LIPARI MINERAÇÃO
16	SANTANA	3% NSR	MINERA ALAMOS
17	ERMITAÑO	2% NSR	FIRST MAJESTIC SILVER
18	MACASSA TH	1% NSR	AGNICO EAGLE
19	TOCANTINZINHO	0.75% NSR	G MINING VENTURES
20	AKASABA WEST	2.5% NSR (Partial Coverage)	AGNICO EAGLE

🔁 Assets undergoing expansion, extension or ramp-up

PRECIOUS METALS FOCUS

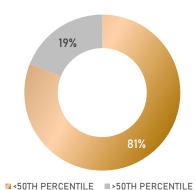
Q2 2024 GEOs BY COMMODITY



■ PRECIOUS METALS ■ DIAMONDS ■ OTHER

LOW-COST MINES⁴

NPV BY CASH COST QUARTILE



BEST-IN-CLASS PARTNERS

PRODUCTION, DEVELOPMENT & EXPLORATION

































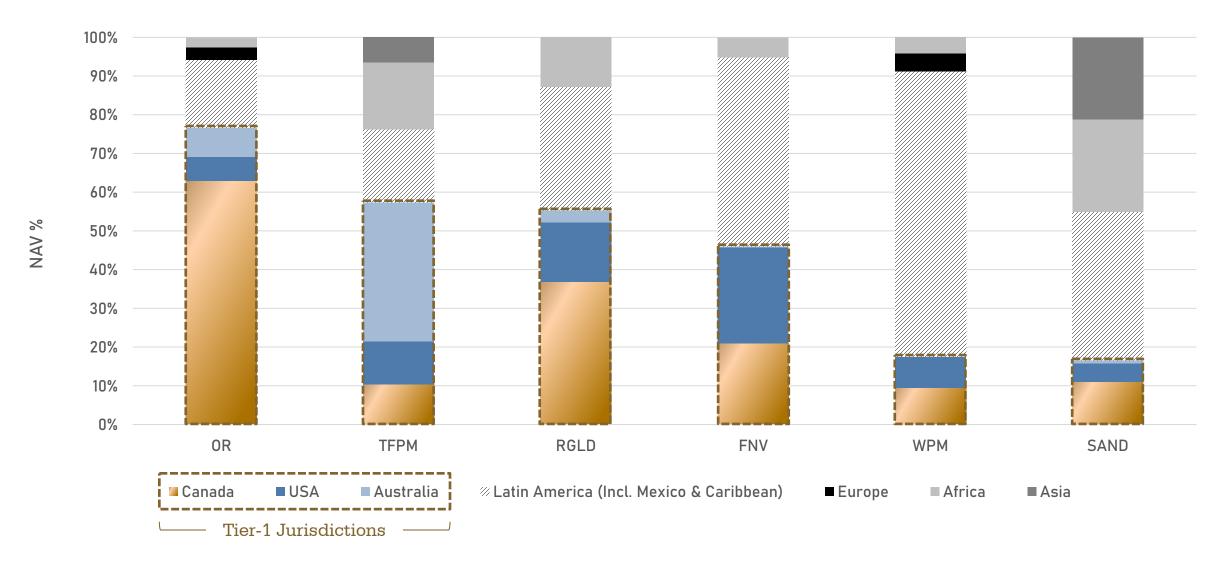


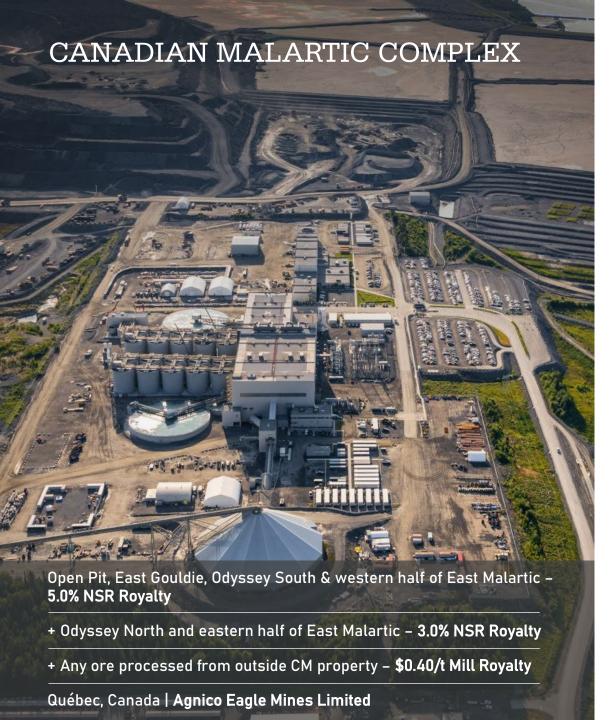




HIGHEST EXPOSURE TO TIER 1 MINING JURISDICTIONS(i) vs. PEERS



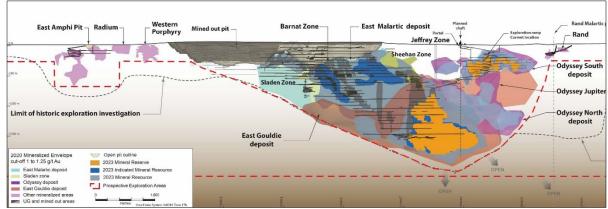




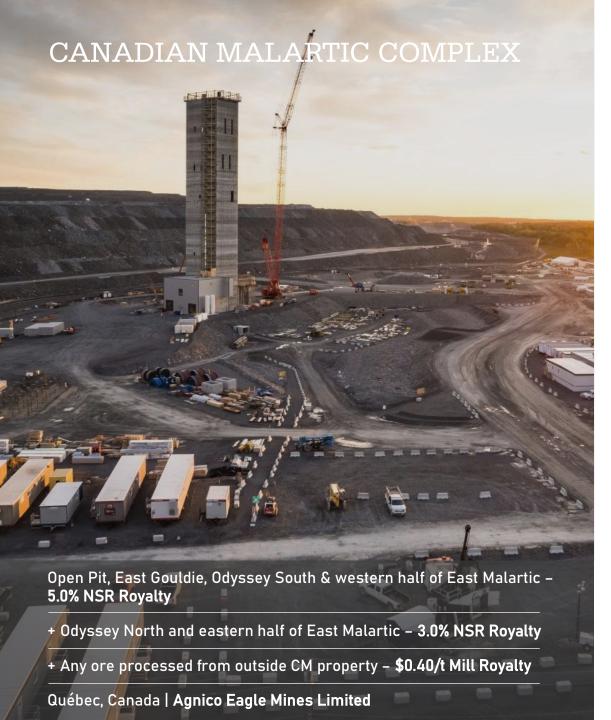
Flagship royalty on Canada's 2nd largest operating gold mine



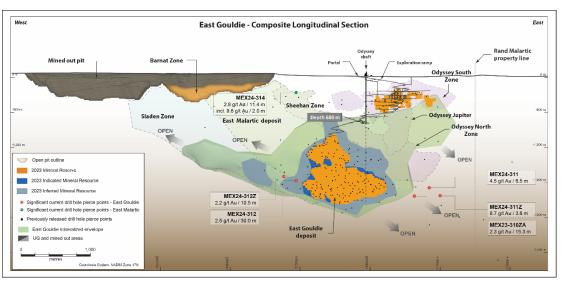
- ◆ Average of ~580koz Au produced annually over 2023 2028 from Barnat Pit and Odyssey Underground (open pits are exhausted by 2028)⁵
- ◆ Underground steady state production plan of 500-600koz of gold per year starting in 2028 once shaft access is complete⁵
- ◆ Current mine plan from 2023 Internal Study extends to 2042 and only includes approximately 57% of the existing resource ounces⁶
- ◆ Agnico is evaluating the potential of a series of mineralized veins collectively termed the "Odyssey internal zones" to provide additional feed to the processing plant in the near and medium term
 - Odyssey internal zones indicate the potential to further increase production during the 2024-2029 transition period from combined open-pit and underground mining to 100% underground mining
- ◆ Studying potential to accelerate first underground production from East Gouldie into 2026 (from 2027) as ramp progress is ahead of schedule⁷



Source: Agnico Eagle Mines Ltd. (February 2024)

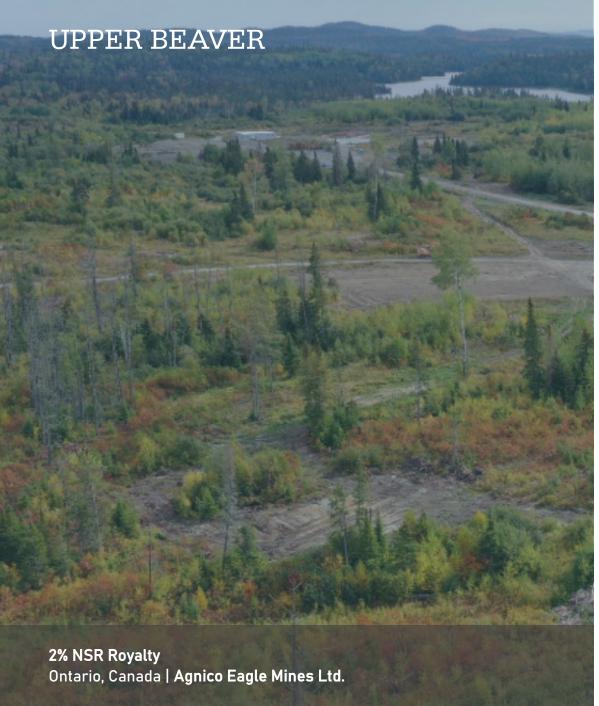


- ◆ Complex expected to have ~40ktpd of excess mill capacity starting in 2028⁷
- OSISKO GOLD ROYALTIES
- ◆ Shaft #2 at Odyssey Underground currently in concept phase; additional clarity on potential Shaft #2 and Agnico Eagle's "Fill the Mill" strategy expected over the next 1-2 years⁸
 - A potential Shaft #2 could add ~15k GEOs to OR's annual earned GEOs over and above the current mine plan, starting in the early 2030's (and at no additional cost to OR)⁽ⁱ⁾⁸
- Regional optimizations currently being studied for Wasamac (no OR royalty) with results expected in 2025⁹
- ♦ Recent exploration success east of East Gouldie: 4.5 g/t Au over 30.0m and 1,060m east of East Gouldie Mineral Reserves, and 3.1 g/t Au over 32.8m and 420m east of lower portion of East Gouldie Mineral Reserves⁹



Source: Agnico Eagle Mines Ltd. (July 2024)

(i) Projected GEOs estimated internally by Osisko Gold Royalties Ltd. based on publicly released information from the operator. Estimates based on the following assumptions: 10,000 tpd of additional ore tonnage; average gold grade of 2.75 g/t Au; 94.6% overall gold recovery; and a 5% NSR Royalty rate¹⁰



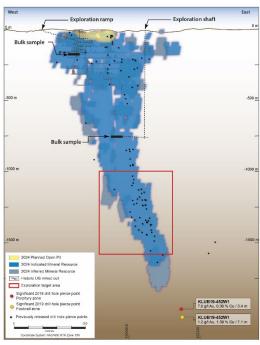
◆ A positive internal evaluation (PEA) was completed in June 2024 for a standalone mine and mill scenario at Upper Beaver⁸



- ◆ Agnico Eagle believes that Upper Beaver has the potential to produce an annual average of approximately 210,000 oz Au and 3,600 tonnes Cu, with initial production possible <u>as early as 2030</u>⁸
 - ♦ Osisko estimates that this could result in an average of ~4,500 annual GEOs earned⁽ⁱ⁾ from 2030 onwards
- ◆ Combined open-pit (10%) and underground (90%) operation with projected 13-yr life-of-mine and with total payable Au and Cu production of 2.8Moz Au and 46,300 tonnes; average AISC of US\$733/oz Au⁽ⁱⁱ⁾⁸
- ◆ Current scenarios contemplate underground access through a main decline ramp as well as a shaft that is 1,220 m deep⁸
- Upper Beaver has the has the potential to unlock significant exploration potential at depth and within satellite deposits in the Agnico Eagle's Kirkland Lake camp⁸
- ◆ Agnico Eagle has approved a US\$200 million investment over 3 years to further de-risk the project (bulk samples), with work having already commenced in 20248
- ★ Excavation of the ramp and shaft-sinking are expected to start in H2 2025⁸

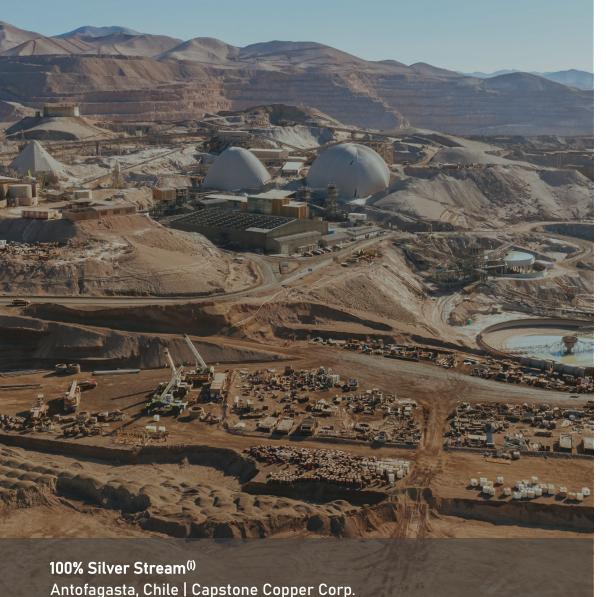
(i) Projected GEOs estimated internally by Osisko Gold Royalties Ltd. based on publicly released information from the operator. Estimates based on average annual production of 210,000oz Au and 3,600tonnes Cu at a 2.0% NSR royalty rate.





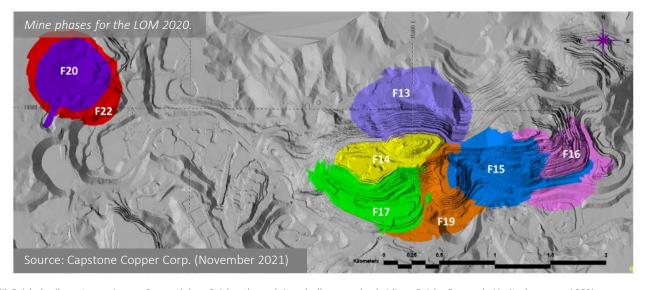
Source: Agnico Eagle Mines Ltd. (July 2024)

MANTOS BLANCOS

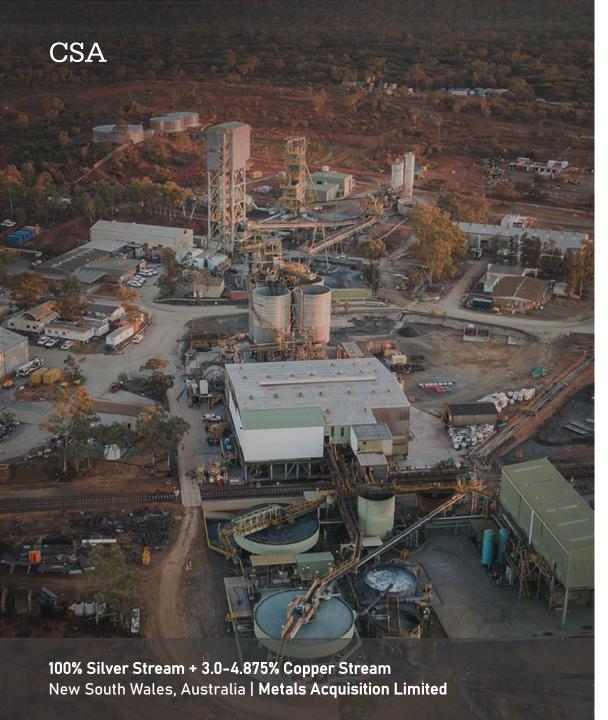




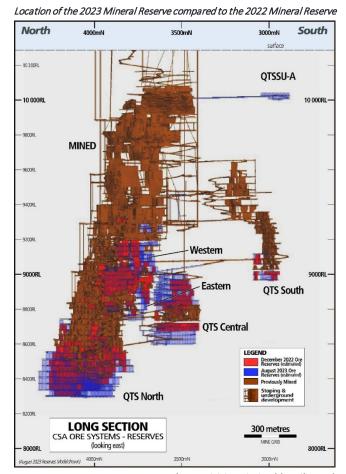
- Phase I expansion (MBCDP) commercial production achieved in December 2022¹¹
 - Processing rate increased to 7.3 Mtpa (from 4.2 Mtpa) & mine life extended to 2038¹¹
 - ▶ Plant & process bottlenecks worked through in 2023 & H1 2024¹¹
- ◆ Phase I steady-state throughput of 20ktpd expected in H2 2024 with the final installation of additional key infrastructure in late July 2024¹²
- ◆ Annual silver production expected to average ~1.3Moz over the first five years of Phase I¹¹
- ◆ Feasibility study for Phase II Expansion to at least 27ktpd anticipated in 2025 to potentially further increase metal production¹²
- ◆ The selected final pit was divided into operational phases, resulting in a total of eight phases to define the life-of-mine (LOM 2020)¹³



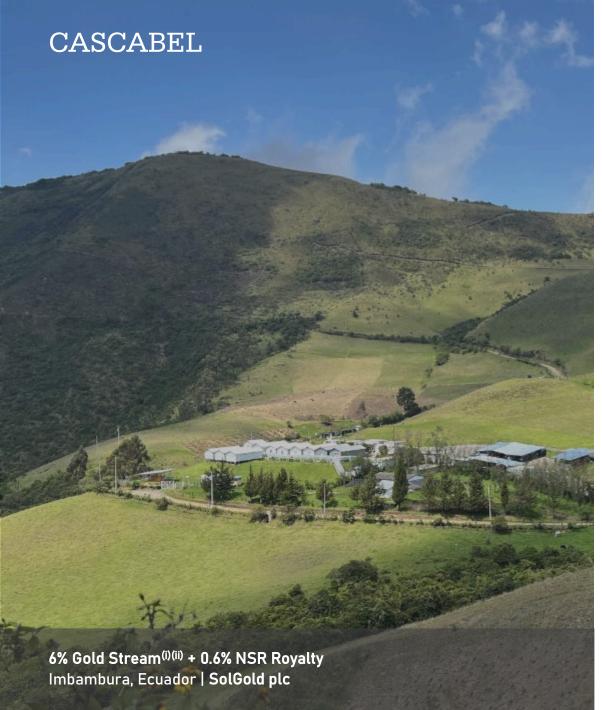
(i) Osisko's silver stream is on a 2-month lag; Osisko, through its wholly-owned subsidiary Osisko Bermuda Limited, owns a 100% silver stream on Mantos Blancos. Under the stream agreement, Osisko Bermuda will purchase 100% of payable silver produced at Mantos Blancos until 19.3 Moz have been delivered and 40% of payable silver thereafter for the remaining LOM.



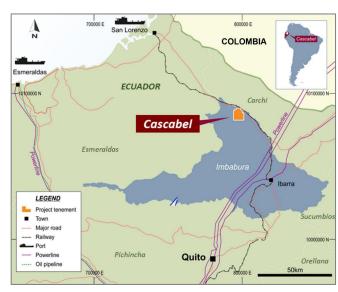
- → High-grade underground copper mine in a Tier 1 mining jurisdiction with significant operating history¹⁴
- OSISKO GOLD ROYALTIES
- ◆ <u>April 2024 MRE Update</u>: Mineral Reserve life increased +67% to 11 years (from 6 years, previously) based on lower cut-off grade (lower costs) and drilling completed up until August 2023¹⁵
 - ◆ 2023 Mineral Reserve only extends 95m vertically below the current decline position¹⁵
- ◆ 2024-2025 silver production from CSA to average ~518koz per annum (April 2024 life of mine plan), and copper production to average ~43ktpa (updated production guidance from April 2024)¹¹⁵
- ◆ Effective economic date of the silver stream was February 1, 2023; Effective economic date of the copper stream is June 15th, 2024 with first deliveries received in July 2024¹⁶
- Minimum 6-year ROFR (as of June 15th, 2024) over future royalties / streams sold on any asset owned or purchased by MTAL¹⁶



Source: Metals Acquisition Limited (April 2024)



- ◆ Long-life, tier-1⁽ⁱⁱⁱ⁾ copper-gold asset with attractive development economics
- OSISKO
- ◆ Positive Pre-Feasibility Study completed in Q1 2024 estimates total production over an initial 28-year mine life of 2.9Mt Cu, 6.9Moz Au and 18.4Moz Ag¹⁷
- ◆ Current mine plan only considers the exploitation of 18% of the Measured and Indicated Mineral Resources from the Alpala deposit¹⁷
- ◆ Large land package with significant near-mine and regional exploration potential, including Tandayama-America deposit located directly north of Alpala¹¹
- ◆ Supportive government and local communities- Exploitation Contract signed with the Government of Ecuador on June 5, 2024 outlines the fiscal and legal frameworks for the development of Cascabel¹⁸
- Partnership with Franco-Nevada on robust gold stream with phased investment as the project advances – complements Osisko's existing royalty¹⁹
- ◆ Average LOM stream deliveries to Osisko Bermuda ~12,000 GEOs per annum, including ~23,000 GEOs per annum for the first 10 vears¹⁹
- ◆ Gold stream includes adjustment mechanisms to preserve the economics in the event of changes to the scale of the project or timeline of development¹⁹



Source: SolGold plc (April 2024)

⁽i) Attributable basis - 6% gold stream until 225,000 oz are delivered, at which point the gold stream reduces to 3.6%

⁽ii) 100% basis (30% Osisko Bermuda Limited, 70% Franco-Nevada (Barbados) Corp.) – 20% gold stream until 750,000 oz are delivered, at which point the gold stream reduces to 12%.

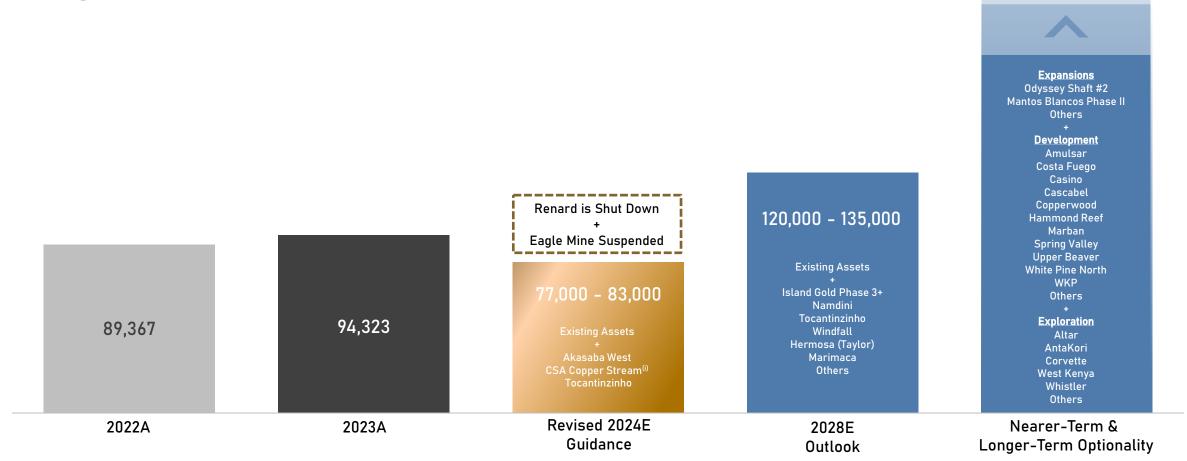
⁽iii) Please refer to SolGold plc's press release titled "SolGold plc Key Financial Developments" and dated May 14, 2024 available on SolGold's SEDAR+ profile at

AN IMPORTANT PHASE OF GROWTH





(oz AuEq)



- This 2024 outlook replaces the previous outlook (published on February 20, 2024); the 5-Year Outlook is unchanged.
- This outlook (published on February 20, 2024) is based on publicly available forecasts from our operating partners. When publicly available forecasts on properties are not available, Osisko obtains internal forecasts from the producers or uses management's best estimate.
- The 2024 guidance uses current 2024 consensus commodity prices and a gold/silver price ratio of 83:1. The 5-year outlook uses current long-term consensus commodity prices and a gold/silver price ratio of 76:1.
- Optionality bar is illustrative only:
 - "Development" defined as partner having at least completed a Preliminary Economic Assessment (or more) on the project;
 - "Exploration" defined as partner having completed a Mineral Resource Estimate (MRE) on the project or is in the process of exploratory drilling in or to be working towards an initial MRE.

KEY NEAR-TERM CATALYSTS¹¹



CANADIAN MALARTIC (Au)	3.0-5.0% NSR	AGNICO EAGLE	 Main ramp to East Gouldie ahead of schedule; evaluation to accelerate initial prod'n to 2026 (2024) → Abitibi Optimization → Canadian Malartic Complex & Wasamac (2025)
CSA (Cu-Ag)	100% Ag + 3-4.875% Cu Streams	METALS ACQUISITION LIMITED	 Continued integration of exploration results into an improved MRE & LOM plan (H2 2024+) → Ongoing ramp-up of copper stream deliveries (H2 2024)
MANTOS BLANCOS (Cu-Ag)	100% Ag Stream	CAPSTONE	◆ Steady-sate operations for Phase I expanded throughput of 7.3Mtpa (H2 2024 onward)
EAGLE (Au)	5.0% NSR	Victoria Victoria	 Damage Assessment & Environmental Impact Report(s) from VGCX & Yukon Government (2024/25) ★ Additional clarity future timelines, including site remediation, rehabilitation & ops restart (2024/25)
ISLAND GOLD / MAGINO (Au)	1.38-3.00% NSR	Alamos Gold Inc.	 Realizing on significant growth potential through ongoing exploration success at depth (2024) ★ Annual increase in overall mined grades, and corresponding increase in production (2025+)
NAMDINI (Au)	1.0% NSR	CARDINAL NAMDINI	 ♦ Ongoing project construction milestones (H2 2024) ♦ First gold production (late 2024) and mine ramp-up (early 2025)
WINDFALL (Au-Ag)	2.0-3.0% NSR	GOLD FIELDS	 ◆ Windfall EIA review process by the COMEX; awaiting final permitting (late 2024 / early 2025) ◆ Closing of Gold Fields' acquisition of Osisko Mining; consolidating 100% of project (Q4 2024) ◆ Finalize Windfall IBA with Cree First Nation of Waswanipi and Cree Nation Government (2024)
HERMOSA (Zn-Pb-Ag)	1.0% NSR	≡III III≡ SOUTH32	 Complete surface dewatering wells + main access/vent shaft (2024) Federal permitting process next steps; NOI to prepare an EIS by the USFS (H2 2024)
TOCANTINZINHO (Au)	0.75% NSR	MINING	 Commercial prod'n declared on Sept 3, 2024; first payment under royalty (Q4 2024) → Ongoing mine ramp-up + exploration results (H2 2024); nameplate throughput (Q1 2025)
SHAAKICHIUWAANAAN (Li)	2.0% NSR on Li	PATRIOT	 ◆ PEA Released August 2024; Potential Feasibility Study (Q3 2025) ◆ Environmental field studies in preparation for ESIA submission (2024-2025)

KEY NEAR-TERM CATALYSTS¹¹



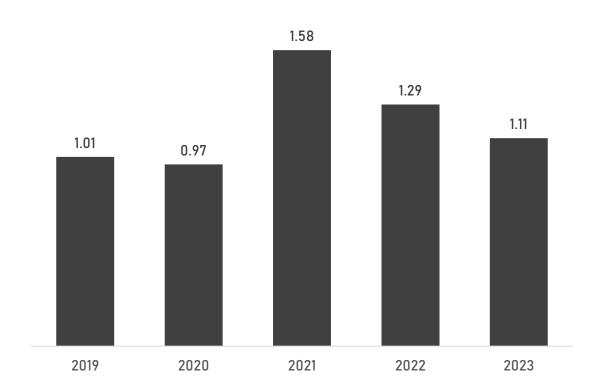
PINE POINT (Zn-Pb)	3.0% NSR	OSISKO	*	 ◆ Appian investing up to \$108M, over four years, to earn up to 65% in Pine Point (2024 onwards) ◆ Updated MRE announced June 25, 2024; Final trade-off studies & start of Pine Point FS (H2 2024)
COSTA FUEGO (Cu-Au-Ag)	1.0% Cu + 3.0% Au NSRs	Not chili Himited	*	 ◆ MRE Update after ongoing 30,000m drill program (2024) ◆ Pre-Feasibility Study (H2/24) and Delivery of Costa Fuego EIA (Q4 2024)
CASCABEL (Cu-Au-Ag)	0.6% NSR + 6% Au Stream ⁽ⁱ⁾	SolGold	- Ö	 ◆ PFS now complete; technical work to further advance and de-risk Cascabel (2024) ◆ Ongoing advancement and potential conclusion of Strategic Review process (2024-2025)
MARIMACA (Cu)	1.0% NSR	marimaca COPPER CORR	*	 Commencement of MOD Definitive FS (H2/24) - 50-60ktpa Cu production vs. 36ktpa in PEA Final metallurgical program & anticipated project permitting submission preparation (Q1-Q3 2024)
AKASABA WEST	2.5% NSR (Partial Coverage)	AGNICO EAGLE	*	 ◆ Achieved commercial production, expected to provide ~1,500tpd to Goldex Mill (+12koz of gold per annum) (2024); first payment received in July of 2024 ◆ Improving mill recoveries by optimizing blending through LaRonde mill (H2 2024)
UPPER BEAVER (Au-Cu)	2.0% NSR	AGNICO EAGLE	■ *■	 ◆ Upgrade of the access road to the site, site surface preparation, construction of site facilities and excavation of the shaft collar (2024-2025) ◆ Excavation of the ramp and shaft sinking for project de-risking/bulk samples (H2 2025)
CARIBOO (Au)	5.0% NSR	OSISKO DEVELOPMENT	*	 ◆ EA Certificate received in Q4/23; awaiting final permitting (Q3 2024) ◆ Project Financing and completion of technical de-risking initiatives (2024-2025)
WHITE PINE NORTH & COPPERWOOD (Cu-Ag)	1.5% Cu + 11.5% Ag NSRs	₩ KINTERRA Highland Copper		 ◆ WPN: JV spending ~\$30M on drilling for testwork; working towards permitting and FS (2024) ◆ C: FS optimizations and advancement towards construction (2024) ◆ C: Ongoing clarity on transfer of funds re: US\$50M grant from MEDC's SSRP (2024-2025)
CASINO (Cu-Au-Ag)	2.75% NSR	Western COPPER AND GOLD	-	 ◆ Ongoing partnership with Rio Tinto & Mitsubishi Materials in evaluation of Casino (2024+) ◆ Submission of ESE Statement to YESAB followed by approval & YESAB Panel appointment (2025)
WHAREKIRAUPONGA (WKP) (Au)	2.0% NSR	OCEANAGOLD	* * *	 ◆ Approval for Waihi North/WKP under New Zealand's new "fast-track" consenting regime (2024) ◆ Pre-Feasibility Study results (2024-2025)

ZERO-COST UPSIDE TO EXPLORATION SUCCESS ON ASSETS THAT MATTER

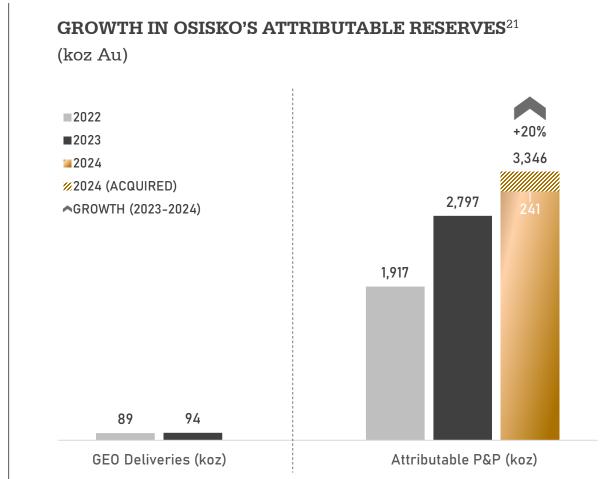


DRILLING COMPLETED ON OSISKO PROPERTIES BY OPERATING PARTNERS¹¹

(million meters)



AVERAGE OF OVER 1.19 MILLION METERS
DRILLED/YEAR ON SHARED PROPERTIES SINCE 2019
AT NO ADDITIONAL COST TO SHAREHOLDERS



SIGNIFICANT GROWTH IN HIGH MARGIN, PROVEN & PROBABLE OUNCES – RESULTING IN A LONG LIFE OF ATTRIBUTABLE "RESERVE" GEOs

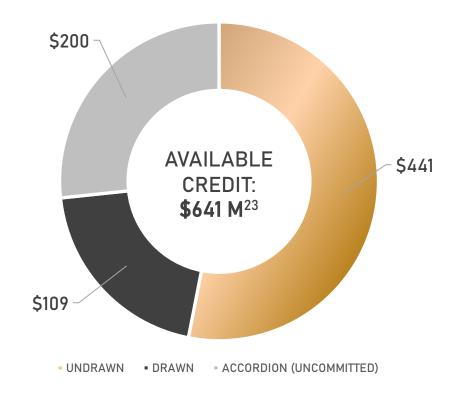
BALANCE SHEET STRENGTH



BALANCE SHEET ITEMS	June 30, 2024
Cash (C\$ M)	\$65.7
Investments (C\$ M) ²²	\$178.2
Debt (C\$ M)	\$109.0
Basic Shares Outstanding (M)	186.2

CREDIT FACILITY(i) (C\$ M)

As at June 30, 2024

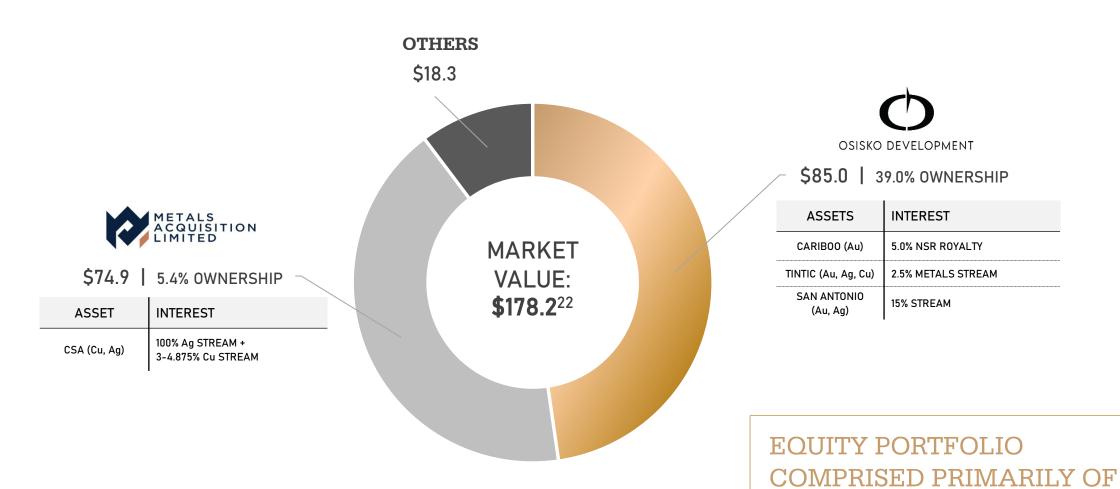


FINANCIAL FLEXIBILITY FOR ACCRETIVE GROWTH

EQUITY PORTFOLIO BREAKDOWN

OSISKO GOLD ROYALTIES

(C\$ M) - As at June 30, 2024



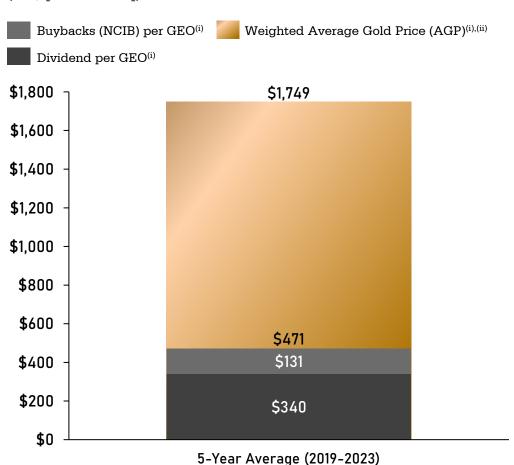
TWO MATERIAL HOLDINGS

FOCUSED ON RETURNS TO SHAREHOLDERS



CASH RETURNED TO SHAREHOLDERS PER GEO²⁴

(US\$ per oz AuEq)



A HIGH-MARGIN BUSINESS RETURNING CAPITAL ACROSS COMMODITY CYCLES

- ◆ C\$292 million returned to shareholders in dividends as of July 15, 2024
- ◆ Q2/24 quarterly dividend of C\$0.065 per common share (8.3% increase)
- ◆ Current Dividend yield of 1.12%
- ♦ A total of 8.0 million shares repurchased (C\$103.4 million) since the company's inception

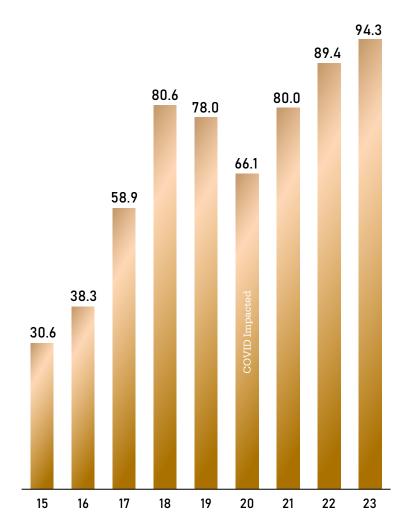
27% OF EVERY GEO EARNED OVER PAST 5 YEARS USED FOR DIVIDENDS AND BUYBACKS

A HISTORY OF STRONG GROWTH



GOLD EQUIVALENT OUNCES

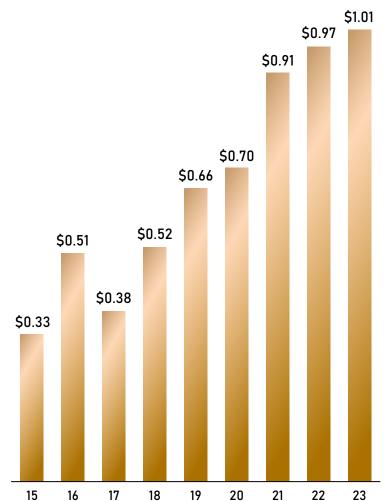
(koz)



OPERATING CASH FLOW PER SHARE²⁵

(C\$/sh)

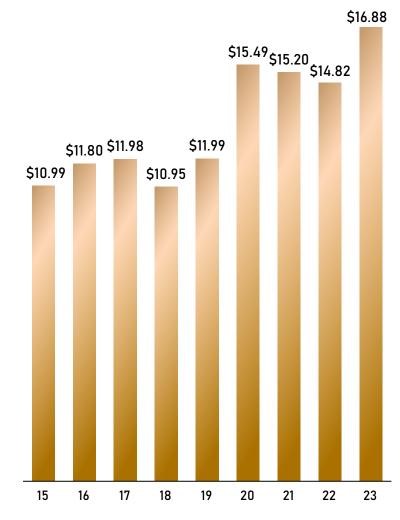
Royalty and stream segment only



CONSENSUS NAV PER SHARE²⁶

(C\$/sh)

As at December 31 of given year



UNLOCKING VALUE



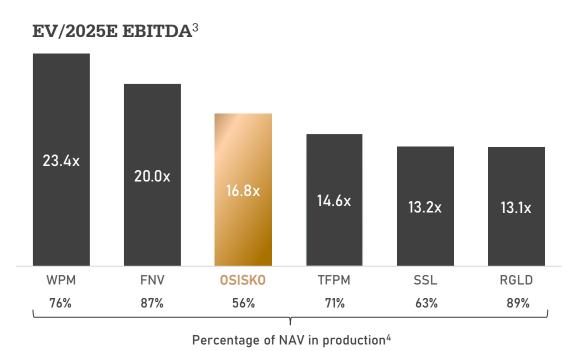
SENIOR-QUALITY
PORTFOLIO WITH
HIGH
REPLACEMENT
VALUE

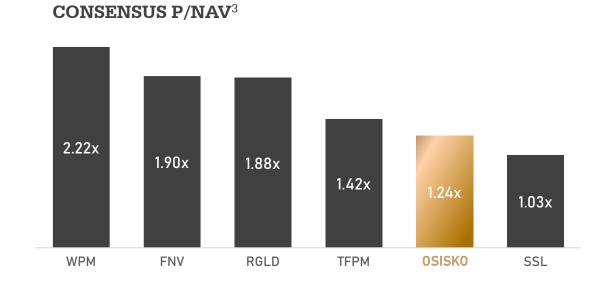
LOW-RISK
PRECIOUS
METALS
EXPOSURE TO
'TIER 1' MINING
JURISDICTIONS(i)

PROLONGED
PERIOD OF
GROWTH FROM
ASSETS ALREADY
PAID-FOR

EXISTING ASSET
NAV EXPECTED
TO GROW, AS
WELL AS RERATE

ACTIVE
TRANSACTION
MARKET FOR
NEW GROWTH
OPPORTUNITIES



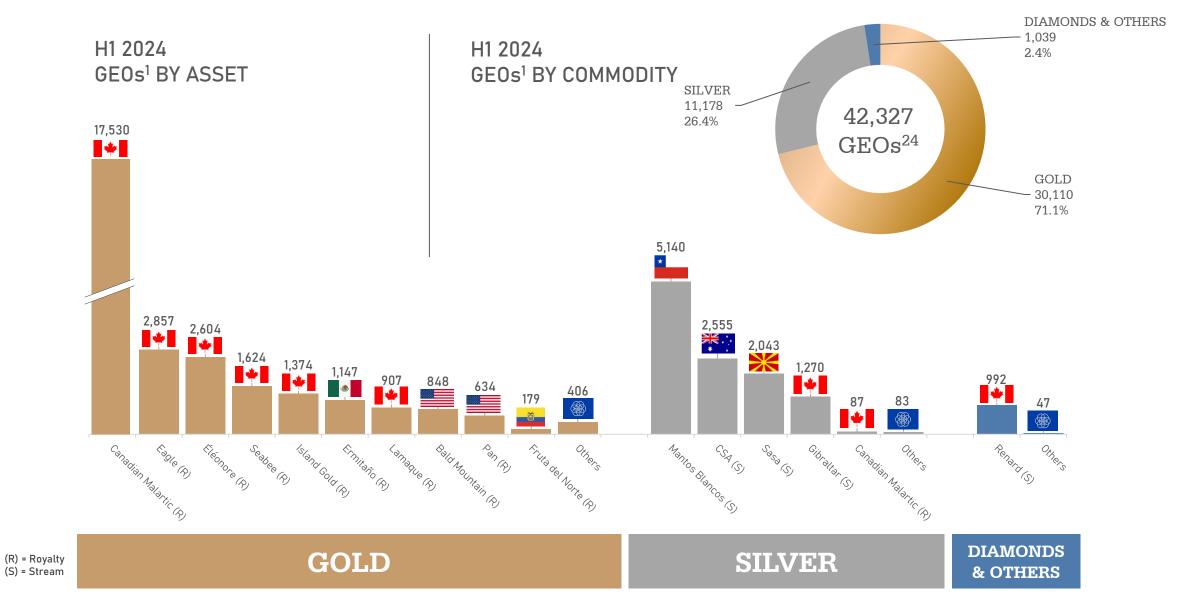






PRODUCING ROYALTIES AND STREAMS





ADDITIONAL KEY PRODUCING ASSETS



EAGLE

5% NSR Royalty Yukon, Canada | Victoria Gold Corp.

- ◆ Eagle operations were suspended on June 24, 2024 after a heap leach pad failure occurred²⁷
- ◆ Production remains suspended with previous 2024 Eagle production and cost guidance forecasts retracted²⁸
- ◆ A default under the Eagle Royalty Agreement dated April 13, 2018, was triggered and consequently, Osisko provided a Notice of Default to Victoria on July 4, 2024²⁹
- ◆ A full non-cash impairment loss of C\$67.8 million based on management's assessment of the *current* situation & outlook³⁰

ÉLÉONORE

2.2-3.5% NSR Royalty
Québec, Canada | Newmont Corporation

- ◆ Gold production from Éléonore totaled 217 koz and 232 koz in 2022 and 2023, respectively³¹
- ◆ 2023 production was impacted by ~ 6-week wildfire-related evacuation of the mine¹¹
- ♦ Gold production guidance for 2024 set at 270koz Au ³²
- ◆ As part of Newmont's portfolio optimization initiatives, the company is seeking to divest six non-core assets; Éléonore is included on this list³²

SEABEE

3.0% NSR Royalty
Saskatchewan, Canada | SSR Mining Inc.

- Throughout its 30-yr operating history, Seabee has consistently replenished its Au reserves; ongoing exploration initiatives aim to ensure more of the same 11
- ♦ With increased contribution from medium-grade Gap Hanging Wall area, SSR Mining expects mine grades to be aligned with mineral reserve grades and drive annual run rate gold production of ~75,000 oz over the next 5-yr period (from 2024 onward; 90,000 oz produced in 2023)³³
- ♦ 2024 gold production guidance range of 75-80koz Au³³

SASA

100% Silver Stream North Macedonia | Central Asia Metals plc

- ◆ An updated mine plan announced in March 2023 extended mine life to 2039 based on currently defined reserves and resources³⁴
- ◆ In H2/22, Sasa began transitioning from sub-level caving to cut & fill mining, and long-hole stoping w paste backfill³⁵
- ◆ During H1/24, new paste backfill plant operated consistently; he first long-hole stopes have also been put into production, and additional stopes will follow during H2/24 & 2025³⁵
- ◆ 2024 guidance trending towards lower end of tight range, similar to 2023³⁵

ISLAND GOLD / MAGINO

1.38%-3% NSR Royalty
Ontario, Canada | Alamos Gold Inc.

- ♦ March 2024: Alamos announced friendly acquisition of Argonaut Gold Inc. and the Magino gold mine immediately adjacent to Island Gold³⁶
- ◆ Previously planned Phase 3+ mill expansion construction work no longer required following acquisition of the 10ktpd Magino mill, located 2.0km from the Island Gold shaft³⁶
- ◆ Small fraction of the eastern limit of the Magino pit is covered by a 3% NSR royalty; production expected in 2030¹¹
- ♦ 2024 Island Gold production guidance range of 145 -160koz gold due to higher grades; Island grades are expected to increase further into 2025 and beyond³⁷

GIBRALTAR

87.5% Silver Stream
British Columbia, Canada | Taseko Mines Limited

- Proven and Probable reserves recently increased 40% to 706Mt grading 0.25% copper³⁸
- ◆ Taseko announced signing of a definitive agreement to purchase Sojitz's 12.5% effective interest in Gibraltar for a minimum of \$60M over a five-year period³⁹
- ◆ Amendments completed to increase the effective stream percentage by 12.5% to 87.5%; in addition, the step-down delivery threshold was extended resulting in an additional ~+1.5Moz silver to Osisko at the tail end of the LOM⁴⁰

GROWTH ASSETS EXPECTED TO DELIVER *NEW* GEOs IN 2024





- ◆ First deliveries from CSA Copper Stream starting June 15th, 2024; with first *physical* deliveries received on July 7th, 2025²⁹
- ◆ 2024-2025 average annual copper production expected to be ~43kt¹⁵
- Osisko Bermuda will purchase refined copper equal to the following amounts of payable copper produced from CSA¹⁶:
 - ◆ From the 1st anniversary of the Closing Date to the 5th anniversary of the Closing Date, 3.00%;
 - ◆ From the 5th anniversary of the Closing Date until 33,000 metric tonnes of refined copper have been delivered to OBL, 4.875%; and,
 - ◆ Thereafter, 2.25% for the remaining life of the CSA Mine

- ♦ Open pit gold project currently under construction
- Commercial production declared on September 3rd,
 2024; mine completed on-schedule, and on-budget⁴¹
- Ongoing ramp-up in H2 2024, and targeting nameplate throughput by Q1 2025⁴¹
- Proven and Probable reserves of 49Mt grading 1.31g/t gold for 2.04Moz of gold⁴²
- ◆ 2022 Feasibility Study indicated production of 175koz of gold per year over 10.5 years, with average annual gold production of 196koz in the first five full years⁴²
- ◆ Power purchase agreement signed with CEMIG guarantees 100% of electricity generated by renewable sources until 2026⁴²

- Operated by Cardinal Namdini Mining Ltd., a subsidiary of Shandong Gold Co Ltd., a large-scale, well-capitalized global miner⁽ⁱ⁾
- Mine construction is well underway, with first gold production expected late 2024 and mine ramp up in early 2025¹¹
- ◆ Gold production over the initial three years expected to reach ~360,000 ounces per year, and an average of 287,000 ounces per year over an initial 15-year life of mine⁽ⁱⁱ⁾
- ♦ Ghana is a well-established gold mining jurisdiction with a transparent mining act and associated laws
- ◆ Ghana is ranked 6th in global gold production & ranked 1st amongst African nations in 2022 based on data from the World Gold Council⁴⁴

⁽i) In January 2021, Shandong closed the A\$540 million (~US\$400M) acquisition of ASX/TSX-listed Cardinal Resources Limited⁴³

SUPPORTIVE SHAREHOLDERS



















Sprott

BLACKROCK®

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EXTENSIVE ANALYST COVERAGE









Jefferies





















ENDNOTES



- 1. Gold equivalent ounces ("GEOs") are calculated on a quarterly and half-yearly basis and include royalties and streams. Silver ounces and copper tonnes earned from royalty and stream agreements are converted to gold equivalent ounces by multiplying the silver ounces or copper tonnes by the average silver or copper for the period and dividing by the average gold price for the period. For average metal prices used, refer to the Portfolio of Royalty, Stream and Other Interests section of Osisko Gold Royalties' MD&A for three and six months ended June 30, 2024 and published on August 6, 2024.
- 2. Cash margin is a non-IFRS financial performance measure which has no standard definition under IFRS. It is calculated by deducting the cost of sales (excluding depletion) from the revenues. Please refer to the non-IFRS measures provided under the Non-IFRS Measures section of the Osisko Gold Royalties Ltd's press release titled "Osisko Announces Q2 2024 GEO Deliveries, Record Cash Margin and Select Asset Updates" and dated July 8, 2024. A cash margin of 96.6% was reported for the three months ended June 30, 2024; https://osiskogr.com/en/osisko-announces-q2-2024-geo-deliveries-record-cash-margin-and-select-asset-updates/.
- Broker research, as at market close on August 30, 2024.
- 4. Refer to "The Royalty Rundown: Precious Metals Streaming Quarterly Review Q2/24" published by Scotiabank GBM Precious Metals Research on June 26, 2024.
- 5. Refer to Agnico Eagle Mines Ltd.'s press release titled "Agnico Eagle Provides Update on Canadian Malartic Complex Internal Study Demonstrates Improved Value, Extends Mine Life, and Supports Potential Future Production Growth in the Abitibi Greenstone Belt; Positive Exploration Results Expected to Result in Increased Mineral Reserves and Mineral Resources; Additional Property Scale Targets Being Evaluated" and dated June 20, 2023.
- 6. Refer to Agnico Eagle Mines Ltd's press release titled "Agnico Eagle Reports Fourth Quarter and Full Year 2022 Results Larger Asset Portfolio Derive Record Annual Gold Production, Operating Cash Flows and Global Mineral Reserves; Updated Three Year Guidance Provided; 2023 Focus on Optimizing Detour Lake and Canadian Malartic and Leverage Excess Mill Capacity in the Abitibi Region to Advance Key Pipeline Projects" and dated February 16, 2023.
- 7. Refer to Agnico Eagle Mines Ltd's press release titled "Agnico Eagle Reports Fourth Quarter and Full Year 2023 Results Record Quarterly and Annual Gold Production and Free Cash Flow; Record Mineral Reserves Increased 10.5%; Updated Three-Year Guidance" and dated February 15, 2024.
- 8. Refer to Agnico Eagle Mines Ltd's press release titled "Agnico Eagle Reports Second Quarter 2024 Results Third Consecutive quarter of Record Free Cash Flow Underpinned by Consistent, Strong Operational and Cost Performance; Upper Beaver Project Study Shows Solid Risk-Adjusted Returns" and dated July 31, 2024.
- 9. Refer to Agnico Eagle Mines Ltd's press release titled "Agnico Eagle Reports First Quarter 2024 Results Strong Quarterly Gold Production and Cost Performance Drive Record Quarterly Free Cash Flow; 2023 Sustainability Report Released" and dated April 24, 2024.
- 10. Refer to Agnico Eagle Mines Ltd's corporate presentation titled "TD Securities Mining Conference January 25-26, 2023" ("Production estimate is based on the assumption of a second shaft at 10,000 to 15,000 tpd and a grade of 2.5 to 2.75 g/t") https://s21.q4cdn.com/374334112/files/doc_presentations/2023/AEM-TD-Securities-Mining-Conference-JANUARY-2023.pdf
- Sourced from operator.
- 12. Refer to Capstone Copper Corp's press release titled "Capstone Copper Report Second Quarter 2024 Results" and dated August 1, 2024.
- 13. Sourced from: CAPSTONE MINING CORP. MANTOS BLANCOS MINE NI 43-101 TECHNICAL REPORT, ANTOFAGASTA, CHILE Effective Date: 29 November 2021; https://capstonecopper.com/wp-content/uploads/2023/01/MB-Technical-Report-Final-Jan-5-2022.pdf
- 14. Sourced from: https://www.researchgate.net/publication/349942804 A mineral system model for Cu-Au-Pb-Zn-Ag systems of the Cobar Basin central Lachlan Orogen

 New South Wales A mineral system model for Cu-Au-Pb-Zn-Ag systems of the Cobar Basin central Lachlan Orogen
- 15. Refer to Metals Acquisition Limited's press release titled "Metals Acquisition Limited Announces Updated Resource and Reserve Statement and Production Guidance" and dated April 22, 2024.
- 16. Refer to Osisko Gold Royalties press release titled "Osisko Announces Closing of CSA Stream Transactions" and dated June 16, 2023.
- 17. Refer to SolGold plc's press release titled "SolGold plc Announces Successful Completion of New Cascabel Pre-Feasibility Study with Significantly Reduced Initial Capital Cost and 24% Internal Rate of Return" and dated February 16, 2024.
- 18. Refer to SolGold plc's press release titled "SolGold plc Exploitation Contract for Cascabel Project" and dated June 6, 2024.
- 19. Refer to Osisko Gold Royalties Ltd's press release titled "Osisko and Franco-Nevada Acquire Gold Stream on SolGold's Cascabel Project" and dated July 11, 2024.
- 20. Refer to Osisko Gold Royalties' MD&A for the three and six months ended June 30, 2024, and published on August 6, 2024.
- Mineral Resource and Mineral R
- 12. The market value corresponds to the quoted price of the investments (including Osisko Gold Royalties' position in Osisko Development Corp.) in a recognized stock exchange as at March 31, 2024.
- 23. Including the C\$200 million accordion, which is uncommitted and subject to acceptance by the lenders.
- 24. Dividend per GEO is calculated by dividing total dividends declared per year (CAD\$) by the total number of GEOs earned per year. Buybacks per GEO is calculated by dividing total share buybacks per year (CAD\$) by GEOs earned per year.
- 25. Operating cash flow per share is calculated by dividing net cash flows provided by operating activities from the royalties, streams and other interests segment for the year by the average number of basic common shares outstanding for the year.
- 26. Analyst consensus NAV per share as at December 31st of given year. Historic data retrieved from FactSet on July 10, 2024.
- 27. Refer to Victoria Gold Corp's press release titled "Victoria Gold: Eagle Gold Mine Heap Leach Pad Incident" and dated June 24, 2024.
- 28. Refer to Victoria Gold Corp's press release titled "Victoria Gold Provides Update on Eagle Gold Mine Incident" and dated July 12, 2024.
- 29. Refer to Osisko Gold Royalties Ltd's press release titled "Osisko Announces Q2 2024 GEO Deliveries, Record Cash Margin and Select Asset Updates" and dated July 8, 2024.
- 30. Refer to Osisko Gold Royalties' MD&A for three and six months ended June 30, 2024 and published on August 6, 2024.
- 31. Refer to Newmont Corporation's "Newmont 2023 10-K: ANNUAL REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934 for Fiscal Year Ended December 31, 2023" and dated February 22, 2023.
- 32. Refer to Newmont Corporation's press release titled "Newmont Reports Fourth Quarter and Full Year 2023 Results: Provides 2024 Outlook for Integrated Company" and dated February 22, 2024.
- 33. Please refer to SSR Mining Inc.'s press release titled "SSR Mining Reports Fourth Quarter and Full-Year 2023 Results" and dated February 27, 2024.
- 34. Refer to Central Asia Metals PLC's press release titled "2022 Full Year Results" and dated March 29, 2023.
- 35. Refer to Central Asia Metals PLC's press release titled "Central Asia Metals PLC H1 2024 Operations Update" and dated July 11, 2024.
- 36. Refer to Alamos Gold Inc's press release titled "Alamos Gold Announces Phase 3+ Expansion of Island Gold to 2,400 tpd, Driving a Larger, More Profitable Operation with Average Annual Gold Production of 287k oz, Industry Low All-in Sustaining Costs of \$576/oz, and a 31% Increase in
- 37. Refer to Alamos Gold Inc.'s press release titled "Alamos Gold Achieves Increased 2023 Guidance with Record Annual Production and Provides Three-Year Production and Operating Guidance" and dated January 10, 2024.
- 38. Refer to Taseko Mine's Limited press released titled "Taseko Announces a 40% Increase in Gibraltar Proven and Probable Reserves" and dated March 30, 2022.
- 39. Refer to Taseko Mine's Limited press released titled "Taseko Signs Definitive Agreement to Acquire 12.5% Interest in Gibraltar Copper Mine" and dated February 22, 2023.
- 40. Refer to Osisko Gold Royalties' press release titled "Osisko Announces Gibraltar Silver Stream Amendments" and dated June 29, 2023.
- 41. Refer to G Mining Ventures Corp's press release titled "G Mining Ventures Declares Commercial Production at Tocantinzinho Gold Mine" and dated September 3, 2024.
- 42. Refer to G Mining Ventures Corp's press release titled "G Mining Ventures Provides Tocantinzinho Project Update" and dated April 11, 2024.
- 43. Refer to Shandong Gold Co Ltd.'s press release titled "Shandong Gold Mining (Hong Kong) Co., Limited completed the acquisition of Cardinal Resources Limited from a group of shareholders" and dated January 18, 2021.
- 44. World Gold Council; https://www.gold.org/goldhub/data/gold-production-by-country?gad source=1&gclid=CjwKCAjwv-2pBhB-EiwAtsQZFBUEOu HXCzk66mPuI2-XRWiD-AVN0DrxWaWojzqRzh3BM07OXWc6RoCgW0QAvD BwE