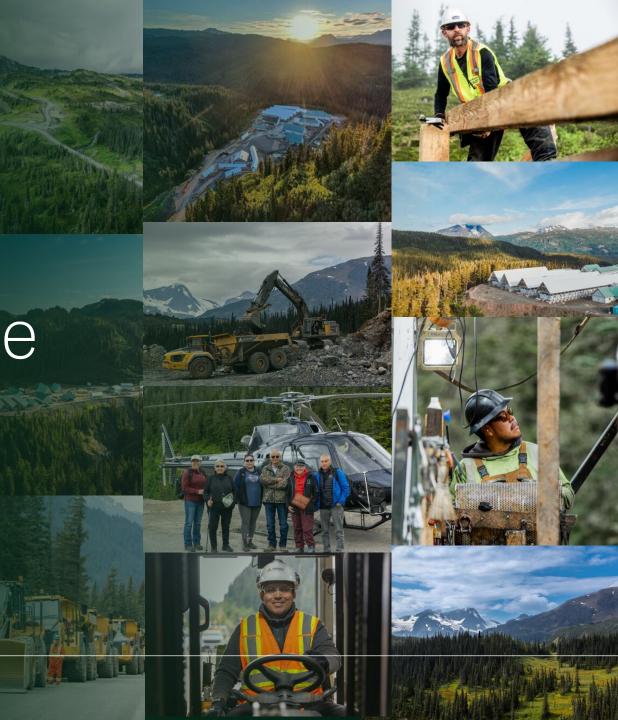


Building a World Leading Mine at Eskay Creek

Precious Metals Summit September 2025

Corporate Presentation



Forward Looking Statements

Certain statements and information contained or incorporated by reference in this presentation constitute "forward-looking information" and "forward-looking statements" within the meaning of applicable Canadian and United States securities legislation (collectively, "forward-looking statements"). These statements relate to future events or our future performance. The use of words such as "anticipates", "believes", "proposes", "contemplates", "fargets", "is projected", "is planned", "considers", "estimates", "expects", "is expected", "potential" and similar expressions, or statements that certain actions, events or results "may", "might", "will", "could", or "would" be taken, achieved, or occur, may identify forward-looking statements. All statements other than statements of historical fact are forward-looking statements. Specific forward-looking statements contained herein include, but are not limited to, statements regarding the progress of development at Eskay, including the construction budget, schedule and required funding in respect thereof; the timing for and the Company's progress towards commencement of commercial production; the Company's ability to buy back the gold stream in the future; amounts drawn and the timing of and completion of conditions precedent in respect of the Senior Secured Loan, gold stream agreement, additional equity investment and the cost over-run facility, the availability of the Senior Secured Loan as a source of future liquidity; and the results of the Definitive Feasibility Study, processing capacity of the mine, anticipated mine life, probable reserves, estimated project capital and operating costs, results of test work and studies, planned environmental assessments, the future price of metals, metal concentrate, and future exploration and development. Such forward-looking statements are based on material factors and/or assumptions which include, but are not limited to, the estimation of mineral resources and reserves, the realization of resource and reserve estimates, metal prices, taxation, the estimation, timing and amount of future exploration and development, capital and operating costs, the availability of financing, the receipt of regulatory approvals, environmental risks, title disputes and the assumptions set forth herein and in the Company's MD&A for the year ended December 31, 2024, its most recently filed interim MD&A, and the Company's Annual Information Form ("AIF") dated March 31, 2025. Such forward-looking statements represent the Company's management expectations, estimates and projections regarding future events or circumstances on the date the statements are made, and are necessarily based on several estimates and assumptions that, while considered reasonable by the Company as of the date hereof, are not guarantees of future performance. Actual events and results may differ materially from those described herein, and are subject to significant operational, business, economic, and regulatory risks and uncertainties. The risks and uncertainties that may affect the forward-looking statements in this news release include, among others: the inherent risks involved in exploration and development of mineral properties, including permitting and other government approvals; changes in economic conditions, including changes in the price of gold and other key variables; changes in mine plans and other factors, including accidents, equipment breakdown, bad weather and other project execution delays, many of which are beyond the control of the Company; environmental risks and unanticipated reclamation expenses; and other risk factors identified in the Company's MD&A for the year ended December 31, 2024, its most recently filed interim MD&A, the AIF dated March 31, 2025, the Company's short form base shelf prospectus dated March 19, 2025, and in the Company's other periodic filings with securities and regulatory authorities in Canada and the United States that are available on SEDAR + at www.sedarplus.ca or on EDGAR at www.sec.gov. All dollar amounts expressed in this presentation are in Canadian dollars unless noted otherwise.

Readers should not place undue reliance on such forward-looking statements. Any forward-looking statement speaks only as of the date on which it is made and the Company does not undertake any obligations to update and/or revise any forward-looking statements except as required by applicable securities laws.

Cautionary note to U.S. Investors concerning estimates of Mineral Reserves and Mineral Resources

Skeena's Mineral Reserves and Mineral Resources included or incorporated by reference herein have been estimated in accordance with National Instrument 43-101 – Standards of Disclosure for Mineral Projects ("NI 43-101") as required by Canadian securities regulatory authorities, which differ from the requirements of U.S. securities laws. The terms "Mineral Reserve", "Proven Mineral Reserve", "Mineral Resource", "Measured Mineral Resource", "Indicated Mineral Resource" and "Inferred Mineral Resource" are defined in accordance with NI 43-101 and the Canadian Institute of Mining, Metallurgy and Petroleum ("CIM") "CIM Definition Standards – For Mineral Resources and Mineral Reserves" adopted by the CIM Council (as amended, the "CIM Definition Standards"). These standards differ significantly from the mineral property disclosure requirements of the U.S. Securities and Exchange Commission in Regulation S-K Subpart 1300 (the "SEC Modernization Rules"). Skeena is not currently subject to the SEC Modernization Rules. Accordingly, Skeena's disclosure of mineralization and other technical information may differ significantly from the information that would be disclosed had Skeena prepared the information under the SEC Modernization Rules. In addition, investors are cautioned not to assume that any part, or all of, Skeena's mineral deposits categorized as "Inferred Mineral Resources" or "Indicated Mineral Resources" will ever be converted into Mineral Resources" have a great amount of uncertainty as to their existence, and a great amount of uncertainty as to their existence, and a great amount of uncertainty as to their existence, second s

For these reasons, the Mineral Reserve and Mineral Resource estimates and related information presented herein may not be comparable to similar information made public by U.S. companies subject to the reporting and disclosure requirements under the U.S. federal securities laws and the rules and regulations thereunder.



Continuing the Legacy at Eskay Creek

Eskay was the highest-grade gold mine in Historical production from 1994-2008 Skeena Advances Eskay up the Value Chain the world when operated by Barrick Gold Silver Bulk Technical Sample permits recieved 2024 Financing package secured for US\$750M 2023 Increased mineral resource estimate Improved Definitive Feasibility Study Production 3.3 160 (million oz) Robust Feasibility study completed 2022 Randy Reichert appointed as CEO Upgraded pit constrained resource 2021 Positive prefeasibility study completed Mined grade 2,224 (gpt) Acquired 100% of Eskay Creek from Barrick 2020 2019 Upgraded pit constrained resource Preliminary economic estimate released Historical cut-off grades Maiden underground resource estimate 2018 (gpt AuEq) DSO (1) Mill cut off 2017 Optioned Eskay Creek from Barrick



Eskay Creek is a Cashflow Focused Gold & Silver Mine

Large-Scale Production

450,000 gold equivalent ounces produced annually in years 1-5

High Gold Grade

5.5 gpt gold equivalent in years 1-5; triple the global open-pit average

Low Operating Costs

US\$538 per oz AISC (coproduct) in years 1-5 (1,2); bottom of industry cost curve

Robust Cashflow & Profitability

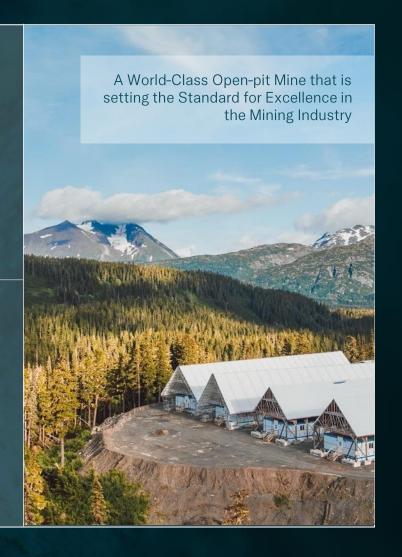
Projected annual after-tax free cash flow of C\$1.0 billion⁽³⁾ in years 1-5

Significant Silver

9.5 million silver oz produced annually in years 1-5; top quartile of global primary silver mines

Well Funded to Production

Committed capital of US\$750 million with Orion Resource Partners



- 1. Estimate from 2023 DFS, using base case pricing of \$1,800/oz Au \$ \$23/oz Ag
- 2. See non IFRS measures disclosure in appendix.
- 3. At current approximate spot prices of US\$3,550/oz Au and US\$40.50/oz Ag. Assumes an exchange rate of 1.36 USD:CAD.

Located in a World Leading Mining Jurisdiction – The Golden Triangle in BC

The Golden Triangle is recognized for its immense geological potential

- + Politically and socially stable area
- + Access to skilled local workforce & suppliers
- + 21% Indigenous people in our workforce in 2024
- + Tahltan Nation investment and support through business opportunities

Positive Relationship with Tahltan Nation

- + First Section 7 agreement in Canadian history with the Tahltan Nation
- + Skeena submitted revised EA certificate in April, expecting permits in Q4 2025

British Columbia Premier commitment (1) to expedite mining permits

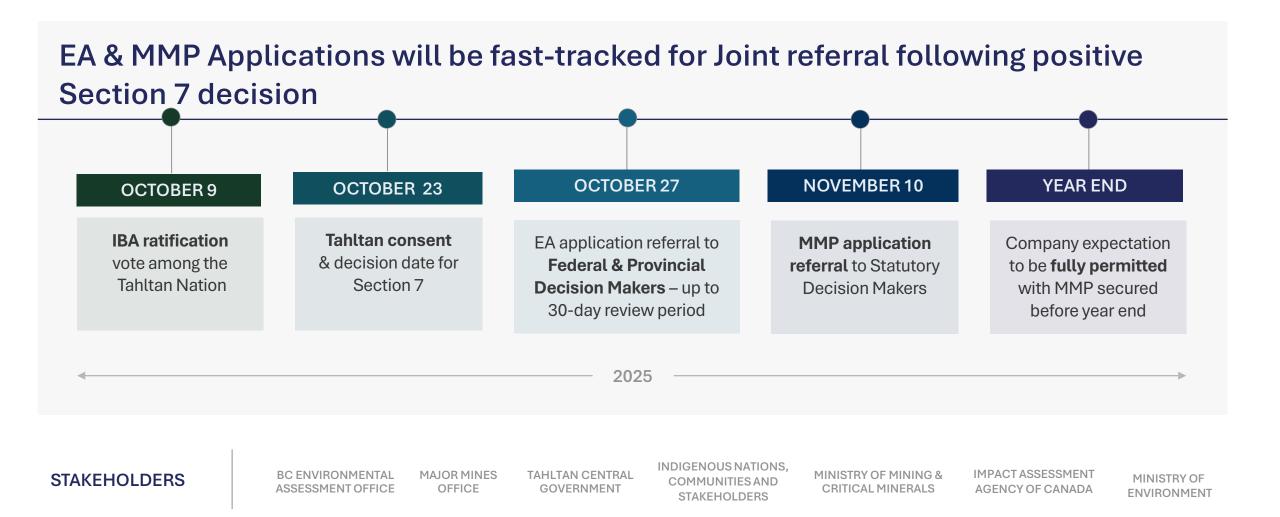
- + David Eby's office shared a list of 18 resource projects that the province will be fast-tracking to reduce its reliance on trade with the United States & Eskay Creek was at the top of the list.
- + Eskay Creek will generate over \$14 billion in GDP LOM (2)





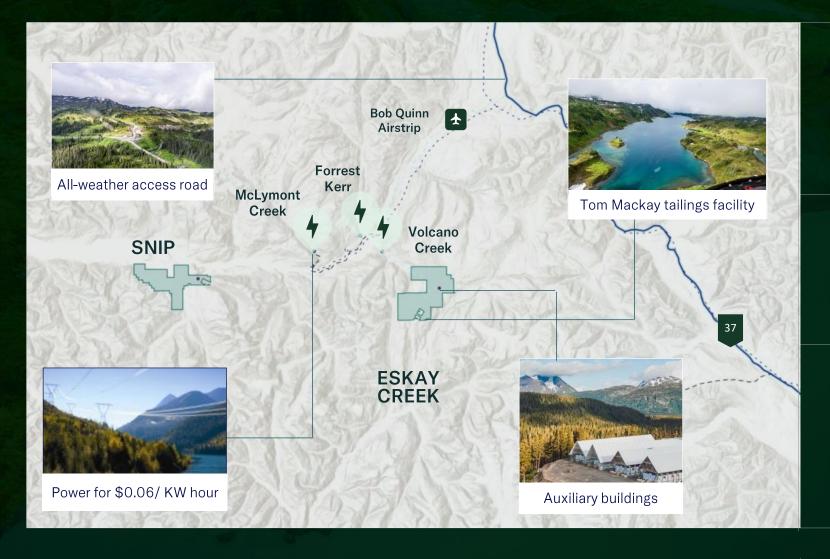
2. Assumes gold price of US\$2,500 gold & \$30 silver

Permitting Progress Set to Accelerate in Q4





Existing Infrastructure Provides Substantial Cost Savings



Access & international transport

- Connected via Highway 37 for all-weather access
- + 60 km from Highway, accessible via service road
- + 253 km from Port of Stewart

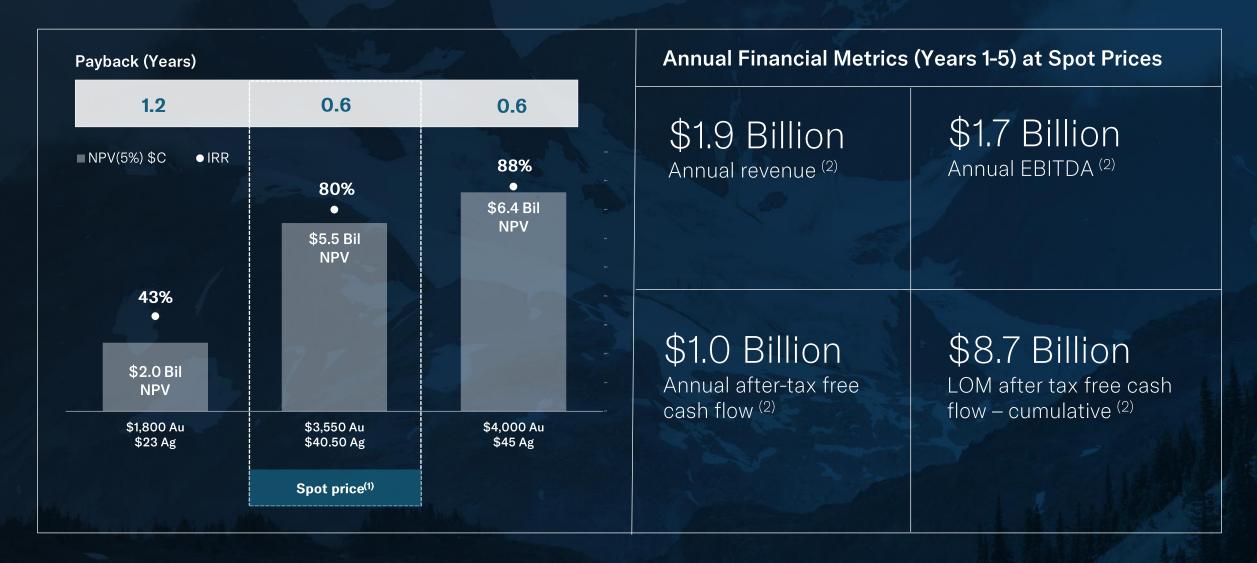
Power & water

- + Nearby low-cost, clean hydropower, only 17 km away
- + Abundant water from Iskut River & Volcano Creek

Significant infrastructure in place

- + Permitted tailings facility with ample capacity
- + Minimal earthworks significantly reduces costs
- + Camps & auxiliary buildings from past operations
- + More than 50% of required permits secured

Exceptional Economics Drive Cashflow & Fast Payback



^{1.} Using simplified spot pricing assumptions of \$3,550/oz Au & \$40.50/oz Ag. All metals prices are in US dollars. Assumes an exchange rate of 1.36 USD:CAD.

^{2.} Financial metrics shown do not include gold stream.

Front Loaded Production Profile Driven by Grade

450,000oz

Elevated annual gold equivalent production in years 1-5 (1)

5.5 gpt gold

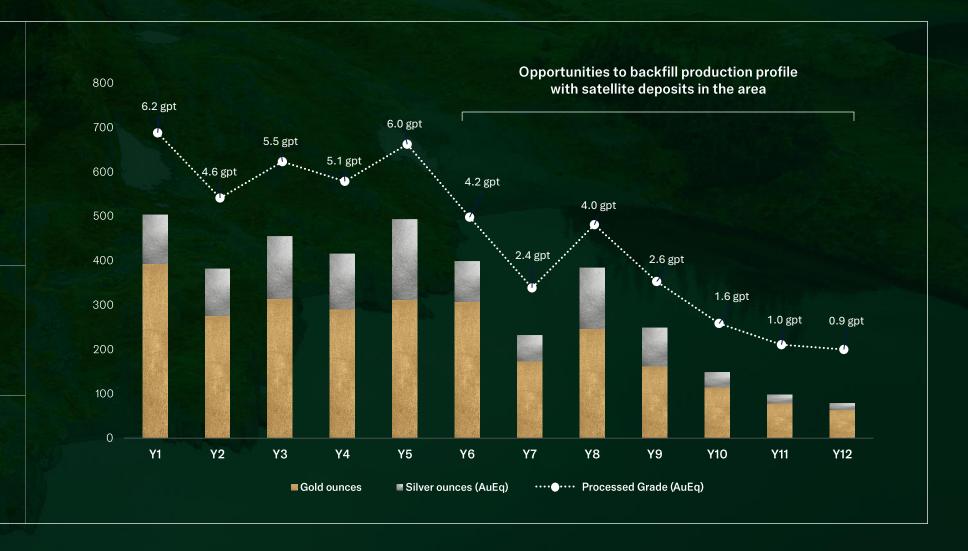
Elevated gold equivalent grade in years 1-5 (1)

US\$424/oz AuEq

Cash cost (co-product) (2,3) in years 1-5

US\$538/oz AuEq

All in sustaining cost (co product) (2,3) in years 1-5



^{1.} Elevated levels of production in years 1-5 driven by accessing higher grade material



^{2.} Estimate from 2023 DFS, using base case pricing of \$1,800/oz Au & \$23/oz Ag

^{3.} See non – IFRS measures disclosure in appendix

Sequential Funding in Place to Attain Production in 2027



Equity Investment:

US\$100 million

\$75 million closed on June 24, 2024 at meaningful premium to market

Balance of \$25 million to close later



Gold Stream:

US\$200 million

Drawn in 5 tranches:

- + Three tranches totalling \$100 million have been drawn;
- + Remaining two tranches totalling \$100 million will support 2025 construction schedule
- + Option to buy back up to 66.7% of stream
- + Owners will be entitled to receive 10.55% of payable gold produced at a price equal to 10% of the London gold price.
- + Silver production is not subject to the stream



Senior Secured Loan:

US\$350 million

- + Drawn in 4 tranches of \$87.5 million
- + 5.75-year term from initial drawdown
- + Interest: 3M US SOFR (1) + 7.75% margin
- + 1% availability fee & no break fee
- + Payments start after planned project completion



Cost Contingency:

US\$100 million

+ Optional cost over-run facility with the same pro-rate terms as the gold stream



World Class Gold Grade & Scale

Proven & probable gold reserves

4. O

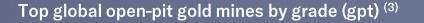
Moz gold equivalent

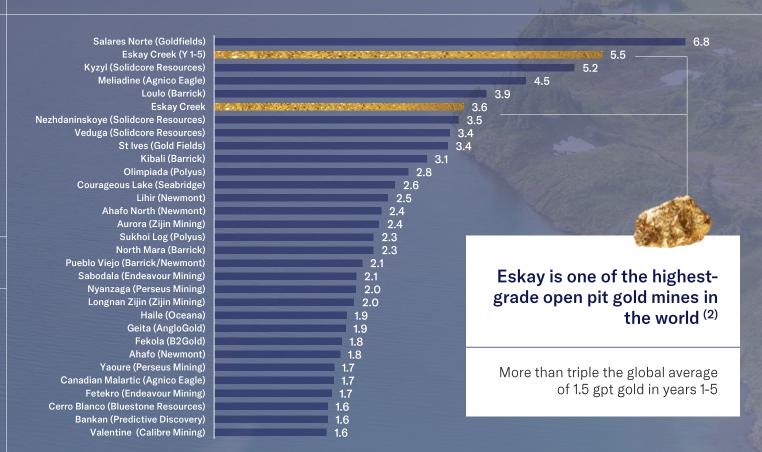
Eskay's P&P reserve size is in the top 15% of open-pit projects worldwide (1)

Measured & Indicated Resource (2)

5.5

Moz gold equivalent





^{1.} Screening criteria for reserves includes global primary open pit active gold mines & projects with a Feasibility Study released after December 31, 2021 with known P&P reserves. Eskay is shown as a gold equivalent against the comparables - Source: S&P CapitalQ.

^{2.} Resources are inclusive of Reserves

^{3.} Screening criteria for grade chart includes global open pit primary gold mines and projects with more than 2.0 Moz gold in Reserves. Eskay is shown as a gold equivalent against the comparables - Source: S&P CapitalQ

Eskay Creek is Canada's Largest Silver Mine

Proven & Probable silver reserves (1)

88

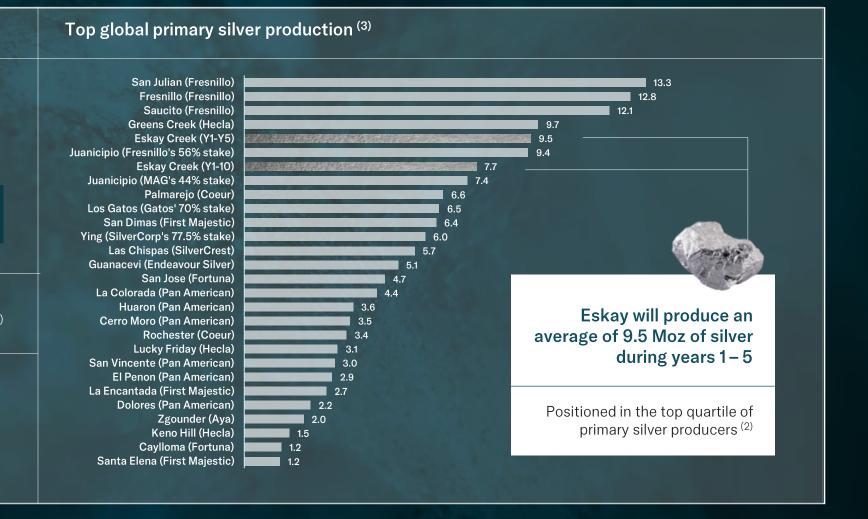
million ounces silver

Eskay's P&P silver reserve size is in the top decile of silver projects worldwide (1)

Eskay's silver grade is in the top 20% of open-pit precious metals mines globally (2)

68.7

gpt silver



^{1.} Screening criteria for silver reserve includes global active silver projects with a feasibility study released after Dec 31, 2021. Excludes producing mines. Source: S&P CapitalQ

^{2.} Screening criteria for grade includes global open pit primary gold and silver operating mines with known reserves. Eskay profiles the LOM silver grade. Source: S&P CapitallQ 3. Data set represents top primary silver mines; calculated as silver's contribution to 2023 consolidated production for each mine, Source: S&P Capital IQ and public disclosure

Operating Cost Leadership Among Global Gold Mines







^{1.} Source: S&P Capital IQ; screening criteria includes global operating primary gold mines with a known AISC value. Operations with AISC >\$2,000/oz have been excluded from this chart.

^{2.} See non-IFRS measures disclosure in appendix.

^{3.} Estimate from 2023 Definitive Feasibility using base case pricing of \$1,800/oz Au and \$23/oz Ag. Eskay Creek's co-product AISC is given on a gold-equivalent basis using the formula AuEq (oz) = ((Au (oz) * 1,800 * 0.83) + (Ag (oz) * 23 * 0.91))/(1,800 * 0.83).

Significant Re-rate Potential: Attractive Valuation



^{1.} P/NAV figures for Artemis Gold and Lundin Gold are approximate, calculated based on spot price assumptions of US\$3,480/oz Au , and US\$40.55/oz Ag. Source: BMO GoldPages.



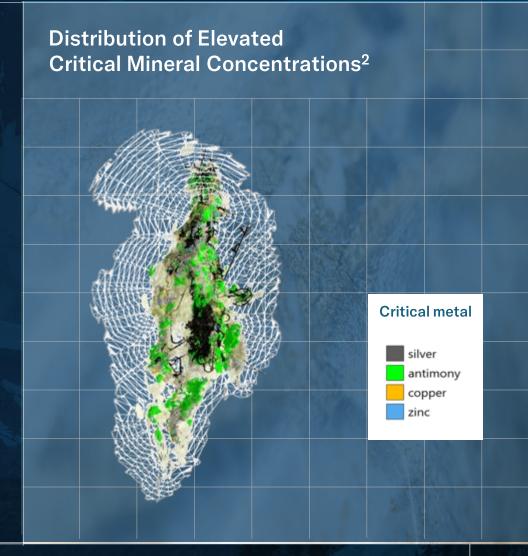
[.] P/NAV for Skeena is approximate, calculated internally based on the 2023 Definitive Feasibility Study model based on price assumptions of US\$3,550/oz Au and US\$40.50/oz Ag.

Significant Critical Metal Potential





- + Significant quantities of antimony, silver, and zinc have been identified at Eskay. Given none of these critical minerals are included in our current economics, they have the potential to increase concentrate payabilities and bolster project economics.
- + Antimony is viewed as one of the most important minerals for its applications in strategic defense. (1) Eskay has the potential to supply 10% of US antimony demand annually.
- + China produced more than half of the worlds supply of antimony in 2023 and the US is wholly reliant on other countries for its antimony needs. Antimony price has significantly appreciated leading up to China's announcement to limit exports in August 2024 (3) due to tightening supply and increased demand.
- + Management is optimizing the concentrate marketing strategy to maximize payabilities.



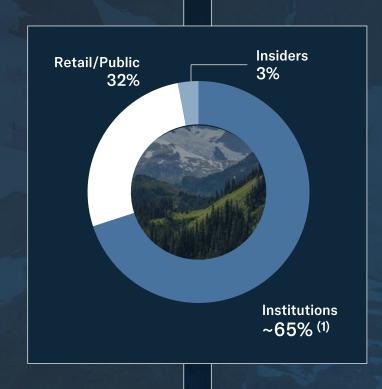
^{1.} Antimony: The Most Important Mineral You Never Heard Of (forbes.com)

^{2.} Highlighted zones show the distribution of the top decile of the critical mineral concentrations in the block model. Further work is required to determine the economic significance of these critical minerals.

^{3.} China will impose expose export controls on antimony products – article here

Strong Shareholder Support

Research Coverage					
Agentis	Michael Gray				
ВМО	Andrew Mikitchook				
CIBC	Luke Bertozzi				
TD	Wayne Lam				
Canaccord	Jeremy Hoy				
Clarus Securities	Varun Arora				
Desjardins	Allison Carson				
Raymond James	Craig Stanley				
RBC	Michael Siperco				
SCP Finance	Brandon Gaspar				
Scotiabank	Ovais Habib				
Velocity Trade Capital	Paul O'Brien				
Capitalization	TSX:SKE NYSE:SKE				
Common shares outstanding	115 million				
Fully diluted shares outstanding	123 million				



Helikon Investments Ltd.	16.8%
Davida da Balatan AC	9.5%
Deutsche Balaton AG	
BlackRock	4.3%
Van Eck	3.5%
T. Rowe Price	3.4%
Orion Resource Partners	3.0%
Franklin Resources	2.1%
Amundi Asset Management	2.0%
Millenium Management	1.9%
UBS Asset Management	1.8%
Tidal Investments (SILJ)	1.6%











A BC Leadership Team



Walter Coles
Executive Chairman



Randy Reichert
Chief Executive Officer



Andrew MacRitchieChief Financial Officer



Nalaine Morin Senior VP, Environment & Social Affairs



Justin HimmelrightSenior VP, External Affairs



Tim Sewell VP, Health & Safety



Kanako Motohashi VP, People & Culture



Galina Meleger VP, Investor Relations



Kyle Foster VP, Operations



Andrew OsterlohVP, Project Engineering &
Construction

Fewer Tier-1 Gold Developers are Inviting Re-rate capital



^{1.} As defined by Michael Gray – Agentis Capital. Source: "Picking the Winners", Agentis Research, January 2025.

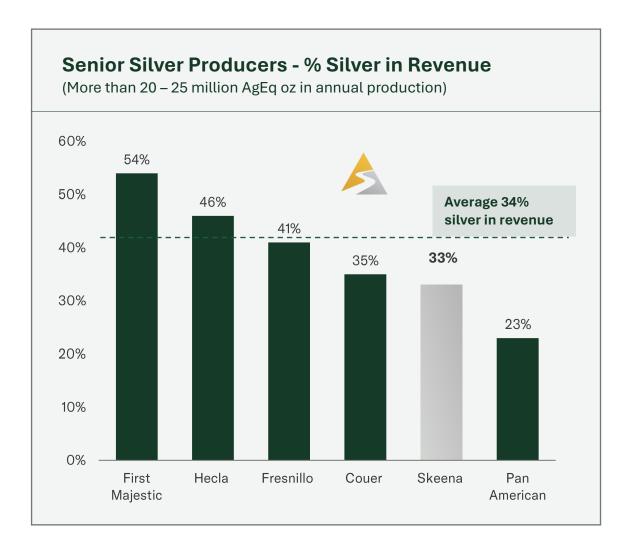
^{2.} As of Q1 2025 financial reports. Amounts in USD. Source: company financial statements.

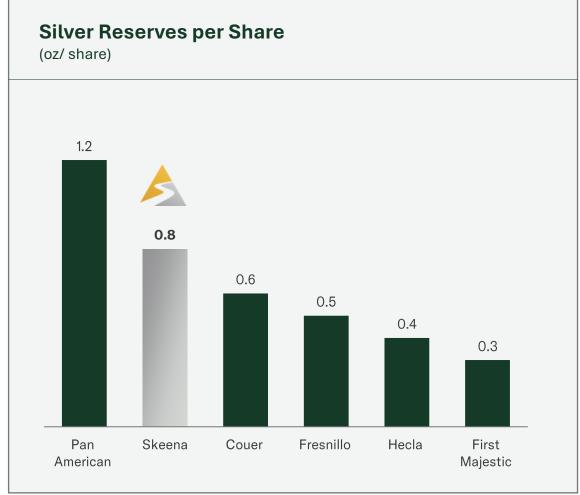
^{3.} US Dollar capex figures converted to CAD at a CAD:USD exchange rate of 0.74.

^{4.} Achieved first gold pour.

^{5.} Includes \$1.0 B uncommitted accordion facility

Silver Production In-Line with Senior Silver Producers





Mineral Reserves & Mineral Resource Estimates

Eskay Creek Resources & Reserves – Pit-constrained (as of December 31, 2023)							
	Tonnes (Mt)	Au (gpt)	Ag (gpt)	AuEq (gpt)	Au oz (Moz)	Ag oz (Moz)	AuEq Oz (Moz)
Mineral Reserves							
Proven	28.0	3.0	80.9	4.1	2.7	72.7	3.7
Probable	11.9	1.8	40.1	2.3	0.7	15.3	0.9
Total Proven & Probable Reserves	39.8	2.6	68.7	3.6	3.3	88.0	4.6
Mineral Resources							
Measured	27.8	3.3	87.9	4.6	3.0	78.6	4.1
Indicated	22.3	1.6	32.0	2.1	1.1	22.9	1.5
Total Measured & Indicated Resources	50.1	2.6	63.0	3.4	4.1	101.4	5.5
Inferred Resources	0.65	1.5	32.4	1.9	0.03	0.7	0.04

Notes for Reserves:

- 1. Mineral Resources are reported at the point of delivery to the process plant, using the 2014 CIM Definition Standards, with an effective date of November 14, 2023. The Qualified Person for the estimate is Ms. Terre Lane, MMSA QP, a GRE employee.
- 2. Mineral Resources are constrained within an open pit shell that uses the following assumptions: gold price of US\$1,700/oz, Mineral Reserves are stated within the final design pit based on a US\$1,800/oz gold price and US\$23.00/oz silver price. Gold and silver recoveries were 83% and 91%, respectively during the LOM scheduling. An NSR cut-off of C\$24.45/t was used to estimate Mineral Reserves based on preliminary processing costs of \$18.22/t ore processed and G&A costs of C\$6.23/t ore processed. Final operating costs within the pit design were C\$2.96/t mined, with associated process costs of C\$19.16/t ore processed. Pit slope inter-ramp angles ranged from 26–51°.
- 3. Mineral Reserves are reported at a net smelter return cut-off of C\$24.45/t, using the equation AuEq = ((Au (g/t) * 1,800 * 0.83) + (Ag (g/t) * 23 * 0.91))/(1,800 * 0.83), and inputs of processing costs of C\$18.22/t ore processed and G&A costs of C\$6.23/t ore processed.
- 4. Numbers have been rounded and may not sum.

Notes for Resources:

- 1. Mineral Resources are reported insitu, using the 2014 CIM Definition Standards, with an effective date of June 20, 2023. The Qualified Person for the estimate is Ms. Terre Lane, MMSA QP, a GRE employee.
- 2. Mineral Resources are reported inclusive of those Mineral Resources converted to Mineral Reserves. Mineral Resources that are not Mineral Reserves do not have demonstrated economic viability.
- 3. Mineral Resources are constrained within a conceptual open pit shell that uses the following assumptions: gold price of US\$1,700/oz, silver price of US\$23/oz; metallurgical recoveries of 84% for gold and 88% for silver; reference mining cost of US\$3.00/t mined; mining dilution of 5%; mining recovery of 95%; processing cost of US\$15.50/t processed; general and administrative costs of US\$6.00/t processed; transportation and refining costs of US\$18.5/oz Au and US\$7/oz Ag; and overall pit slope angles of 45°.
- 4. Mineral Resources are reported at a cut-off grade of 0.7 g/t AuEq, using the equation AuEq = ((Au (g/t) * 1,700 * 0.84) + (Ag (g/t) * 23 * 0.88))/(1,700 * 0.84).
- 5. Numbers have been rounded and may not sum.



Mineral Reserves & Mineral Resource Estimates

Eskay Creek Resources – Underground (as of December 31, 2023)								
	Tonnes (000)	Au (gpt)	Ag (gpt)	AuEq (gpt)	Au oz (Koz)	Ag oz (Koz)	AuEq Oz (Koz)	
Mineral Resources								
Measured	834	5.3	142.6	7.3	142	3,830	196	
Indicated	988	4.1	55.7	4.9	131	1,768	156	
Total Measured + Indicated Resources	1,821	4.7	95.6	6.0	273	5,599	352	
Inferred Resources	272	4.2	25.4	4.6	37	222	40	

Notes to Accompany Mineral Resources Potentially Amenable to Underground Mining Methods:

- 1. Mineral Resources are reported insitu, using the 2014 CIM Definition Standards, with an effective date of June 20, 2023. The Qualified Person for the estimate is Ms. Terre Lane, MMSA QP, a GRE employee.
- 2. Mineral Resources are reported inclusive of those Mineral Resources converted to Mineral Resources that are not Mineral Reserves do not have demonstrated economic viability.
- 3. Mineral Resources are constrained within stope-optimized shapes that use the following assumptions: gold price of US\$1,700/oz, silver price of US\$23/oz; metallurgical recoveries of 84% for gold and 88% for silver; reference mining cost of US\$100/t mined; processing cost of US\$25/t processed; general and administrative costs of US\$12/t processed; transportation and refining costs of US\$18.50/oz Au and US\$7/oz Ag, and a mining recovery of 95%.
- 4. Mineral Resources are reported at a cut-off grade of 3.2 g/t AuEq, using the equation AuEq = ((Au (g/t) * 1,700 * 0.84)+ (Ag (g/t) * 23 * 0.88))/(1,700 * 0.84).
- 5. Numbers have been rounded and may not sum.