



western
COPPER AND GOLD

TSX **WRN**
NYSE AMERICAN **WRN**

DEVELOPING
CANADA'S PREMIER
COPPER-GOLD MINE

CANADA'S
LARGEST
CRITICAL
MINERALS
MINE

Corporate Presentation October 2023

FORWARD LOOKING STATEMENTS

The information provided in this presentation is not intended to be a comprehensive review of all matters and developments concerning Western Copper and Gold Corporation and its subsidiaries (collectively, the “Company”). This document should be read in conjunction with all other disclosure documents of the Company. No securities commission or regulatory authority has reviewed the accuracy or adequacy of the information presented herein.

Statements contained in this presentation that are not historical fact are “forward-looking statements” as that term is defined in the United States Private Securities Litigation Reform Act of 1995 and “forward-looking information” as that term is defined in National Instrument 51-102 of the Canadian Securities Administrators (collectively, “forward-looking statements”). Forward-looking statements in this presentation include, without limitation, statements regarding mineral reserve and resource estimates, planned exploration and development activities, corporate objectives, the economic prospects of the Company’s projects, the Company’s future plans or future revenues, and timing of development, or potential expansion or improvements. Such forward-looking statements are based on certain assumptions that the Company believes are reasonable, including, without limitation, with respect to any mineral reserve or resource estimate, the key assumptions and parameters on which such estimates are based, prevailing and projected market prices and foreign exchange rates, projected capital and operating costs, continued availability of capital and financing, availability of equipment and personnel required for construction and operations, the Company not experiencing unforeseen delays, unexpected geological or other effects, equipment failures, permitting delays, and general economic, market or business conditions. Forward-looking statements are subject to known and unknown risks and uncertainties which could cause actual results to differ materially from estimated results. Such risks and uncertainties include, but are not limited to, the Company’s ability to raise sufficient capital to fund development; changes in general economic conditions or financial markets, changes in prices for the Company’s mineral products or increases in input costs; uncertainties

relating to interpretation of drill results and the geological continuity and grade of mineral deposits; that mineral resources and reserves are not as estimated; risks related to cooperation of government agencies and First Nations in the exploration and development of the property; litigation; legislative, environmental and other judicial, regulatory, political and competitive developments in Canada; technological and operational difficulties or inability to obtain permits encountered in connection with exploration and development activities; labor relations matters, and changing foreign exchange rates, all of which are described more fully in the Company’s filings with the applicable regulatory agencies. The Company expressly disclaims any intention or obligation to update or revise any forward-looking statements whether as a result of new information, future events or otherwise, except as required by applicable securities legislation.

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We use certain terms in this presentation, such as “measured”, “indicated”, and “inferred” “resources”, that the SEC guidelines strictly prohibit U.S. registered companies from including in their filings with the SEC. “Inferred mineral resources” have a great amount of uncertainty as to their existence, and their economic and legal feasibility. It cannot be assumed that all or part of an inferred mineral resource will ever be upgraded to a higher category. Readers are cautioned not to assume that all or any part of an inferred mineral resource exists or is economically or legally mineable. U.S. investors are urged to consider closely the disclosure in the Company’s Form 40-F, which may be obtained from the Company or from the SEC’s website at www.sec.gov/edgar.shtml.



TRADING	Toronto Stock Exchange, NYSE American	WRN	TOP SHAREHOLDERS June 30, 2023	Rio Tinto Canada	7.8%
CASH POSITION June 30, 2023	Cash & Short-Term Investments	C\$36.5 M	ROYALTY (Osisko Gold Royalties)	Fidelity Management & Research Co. LLC	6.2%
	Short/Long Term Debt	\$Nil		Mitsubishi Materials	5.0%
SHARE STRUCTURE October 2, 2023	Share Price	C\$1.83		Board and Senior Management	4.4%
	Market Cap	C\$296 M		Kopernik Global Investors, LLC	3.0%
	Issued and Outstanding (Basic)	162,460,128		Franklin Advisers, Inc.	2.9%
	Warrants	1,500,000		Claret Asset Management Corp.	2.3%
	Fully Diluted	171,016,547		Net Smelter Return (NSR)	2.75%

*Note: See further detail in press release Mar 24, 2023 and Apr 11, 2023, filed on www.SEDAR.com. Mitsubishi Materials investment closed April 14, 2023, Rio Tinto Subscription closed May 1, 2023.





CLEAR INVESTMENT THESIS

- One of the largest copper-gold projects in Canada
- Located in the Yukon – emerging mining district
- New Feasibility Study shows robust economics and long life
- Strong copper market

CONTINUING TO ADD VALUE

- Significant resource expansion in 2020
- PEA released in 2021
- Feasibility Study released in 2022
- Strategic investments from Rio Tinto and Mitsubishi
- Permitting work progressing



C\$25.6M

RIO TINTO OWNERSHIP

~ **8.0%***

OF WESTERN'S
OUTSTANDING
COMMON SHARES



Rio Tinto invested May 2021

C\$21.3M

MITSUBISHI OWNERSHIP

~ **5.0%**

OF WESTERN'S
OUTSTANDING
COMMON SHARES



Mitsubishi invested March 2023

RIO TINTO KEY RIGHTS*

- Rio has the right to appoint:
 - A member to Casino Copper-Gold Technical Committee
 - A non-voting observer to attend all meetings of the board
 - One director of the Company, if Rio Tinto's ownership increases to at least 12.5%
 - Three secondees to the Casino Copper-Gold Project

Key Rights expire November 2023*

MITSUBISHI KEY RIGHTS*

- Mitsubishi has the right to appoint:
 - A member to Casino Copper-Gold Technical and Sustainability Committee
 - One director of the Company, if Mitsubishi's ownership increases to at least 12.5%
 - Right of first negotiation to offtake

Key Rights expire March 2025*

*Note: See further detail in press release dated May 17, 2021, Nov 23, 2022, Mar 24, 2023 and Apr 11, 2023, filed on www.SEDAR.com. Rights expiry also subject to strategic investors maintaining ownership thresholds.



RioTinto

- ✓ Drilling and Exploration program **complete**
- ✓ Metallurgical program **complete**
- ✓ Tailings facility review **complete**
- ✓ Feasibility Study review **complete**
- ✓ Permitting review **complete**
- Rio Tinto internal review **ongoing**



- Drilling program **ongoing**
- Advanced Metallurgical program **ongoing**
- Engineering review **planned**
- Project Execution review **planned**
- Additional activities as agreed to



THE WORLD NEEDS A LOT MORE COPPER

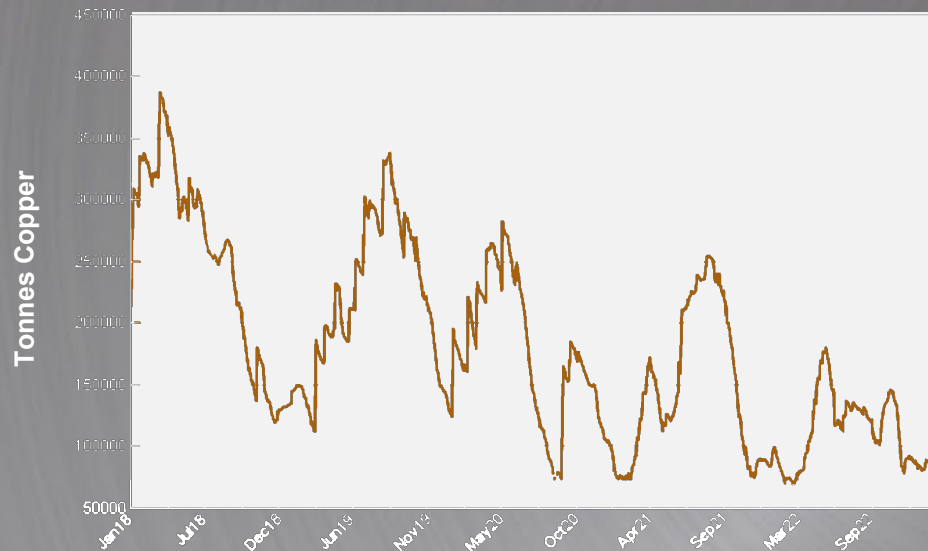
COPPER KEY TO LIMITING CLIMATE CHANGE

- To keep global warming under 1.5 degrees, **annual copper supply needs to grow by more than 12 Mt in the next 10 years** – growth only 7 Mt in the past 20 years
- There are **limited copper projects** under development
- Copper inventories are at **lowest levels in a decade**

12 million tonnes copper equal to **over 150 new Casino mines!**

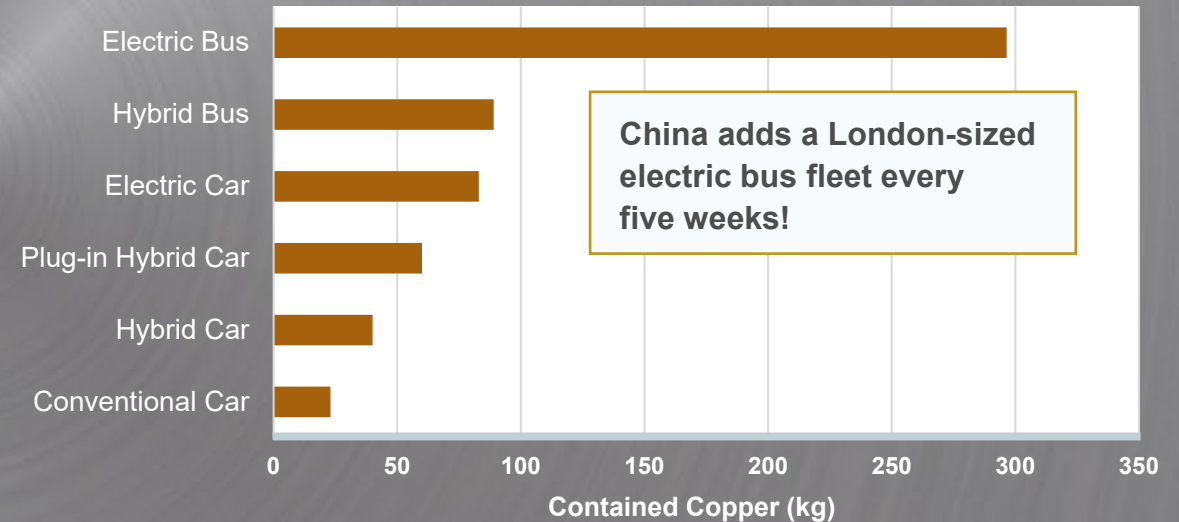
 **supply**

5 Year LME Copper Warehouse Stocks Level



 **demand**

Copper Needed in the Transportation Industry

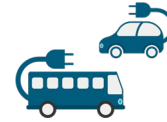




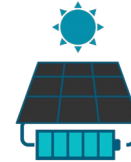
POWERING THE GREEN AND DIGITAL ECONOMY FOR CANADA AND THE WORLD

- Canada aims to become a **reliable source and global supplier of critical minerals** through federal funding
- **Casino will produce two** of the 31 minerals and metals included on **Canada's Critical Minerals List**
 - copper
 - molybdenum
- Once in production, Casino will be **Canada's largest critical mineral producer**

Over the LOM, **Casino is expected to produce 4.27 billion lbs of copper**, which equals:



- 5 million fully electric buses or 23 million electric battery vehicles



- Solar power systems contain ~11,000 lbs of copper per MW. To produce one MW of power you need ~5,000 solar panels



- Onshore wind farms use ~14,900 lbs of copper, offshore wind farms use ~21,068 lbs of copper per MW



- Casino's copper could produce 30 million km of 10-gauge wire, enough to go to the moon and back 40 times

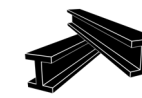
Over the LOM, **Casino is expected to produce 346 million lbs of molybdenum**, moly and its alloys are used in:



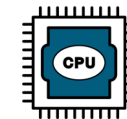
medical equipment



light bulbs



building materials



electronic devices

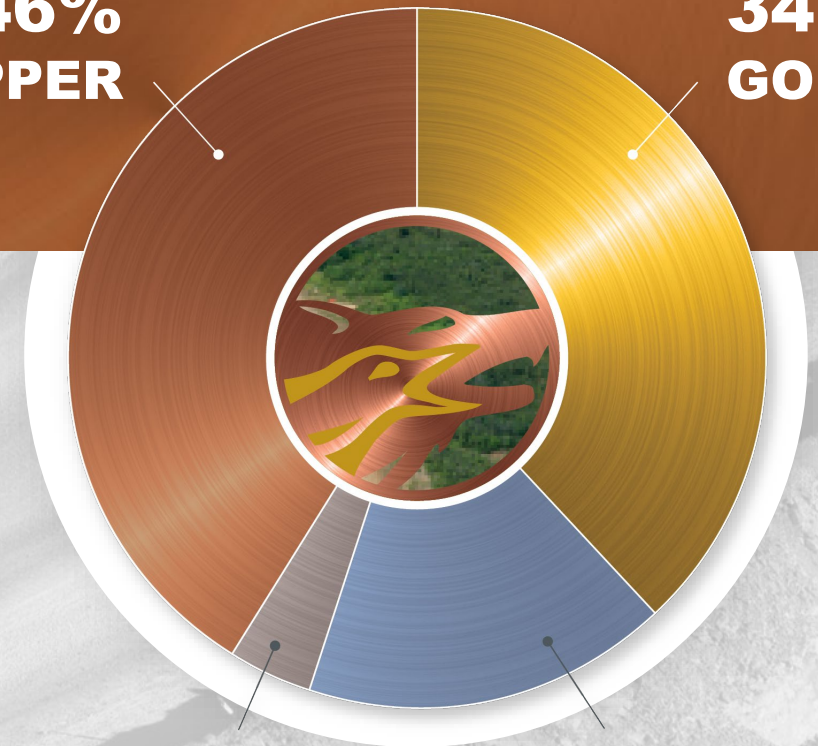




Contained
Metal Value Distribution
in the M&I Mill Resource

46%
COPPER

34%
GOLD



COPPER

7.6 Billion lbs
M+I Resources

+3.1 Billion lbs
Inferred Resources

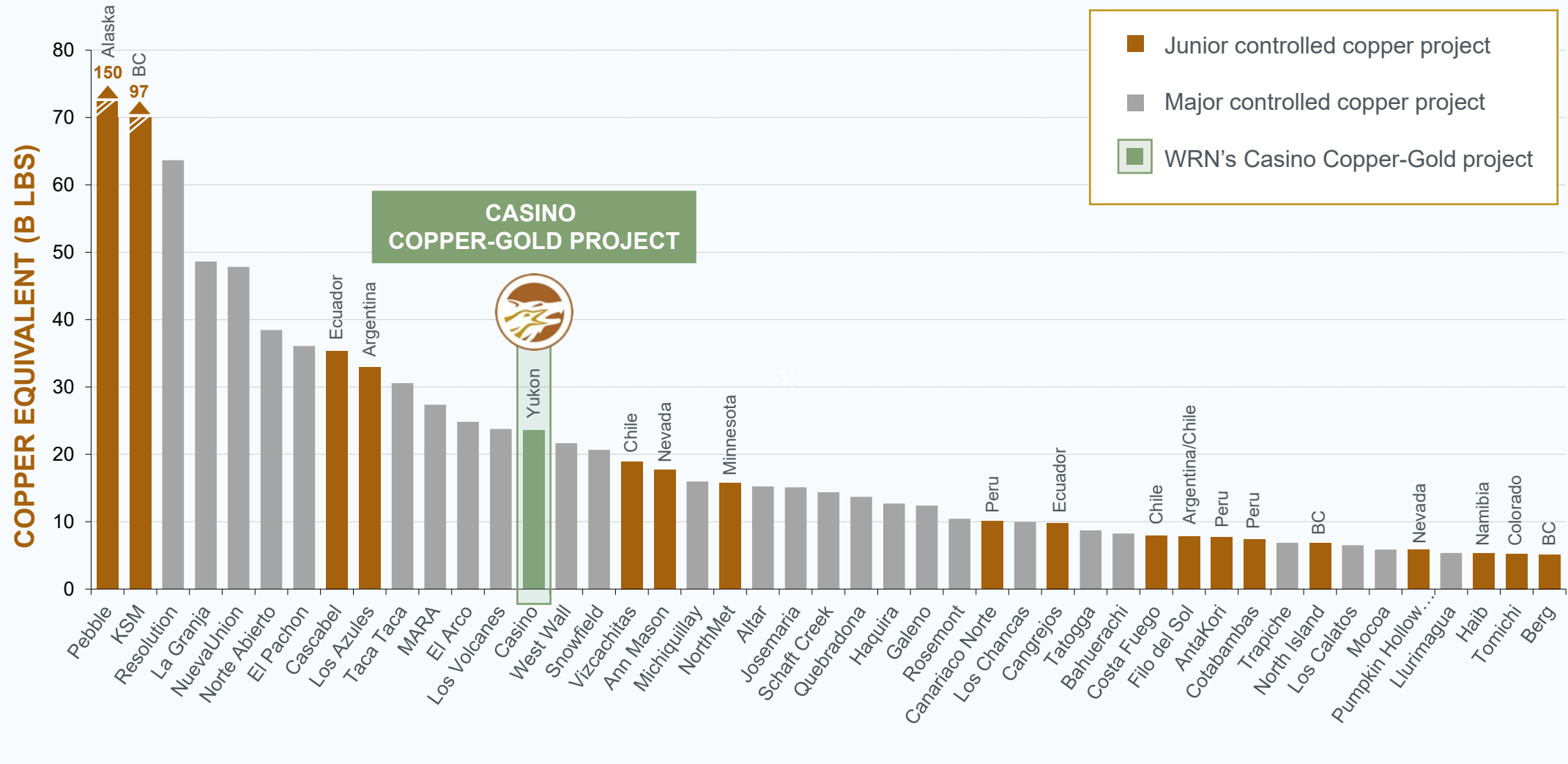
GOLD

14.8 Million oz
M+I Resources

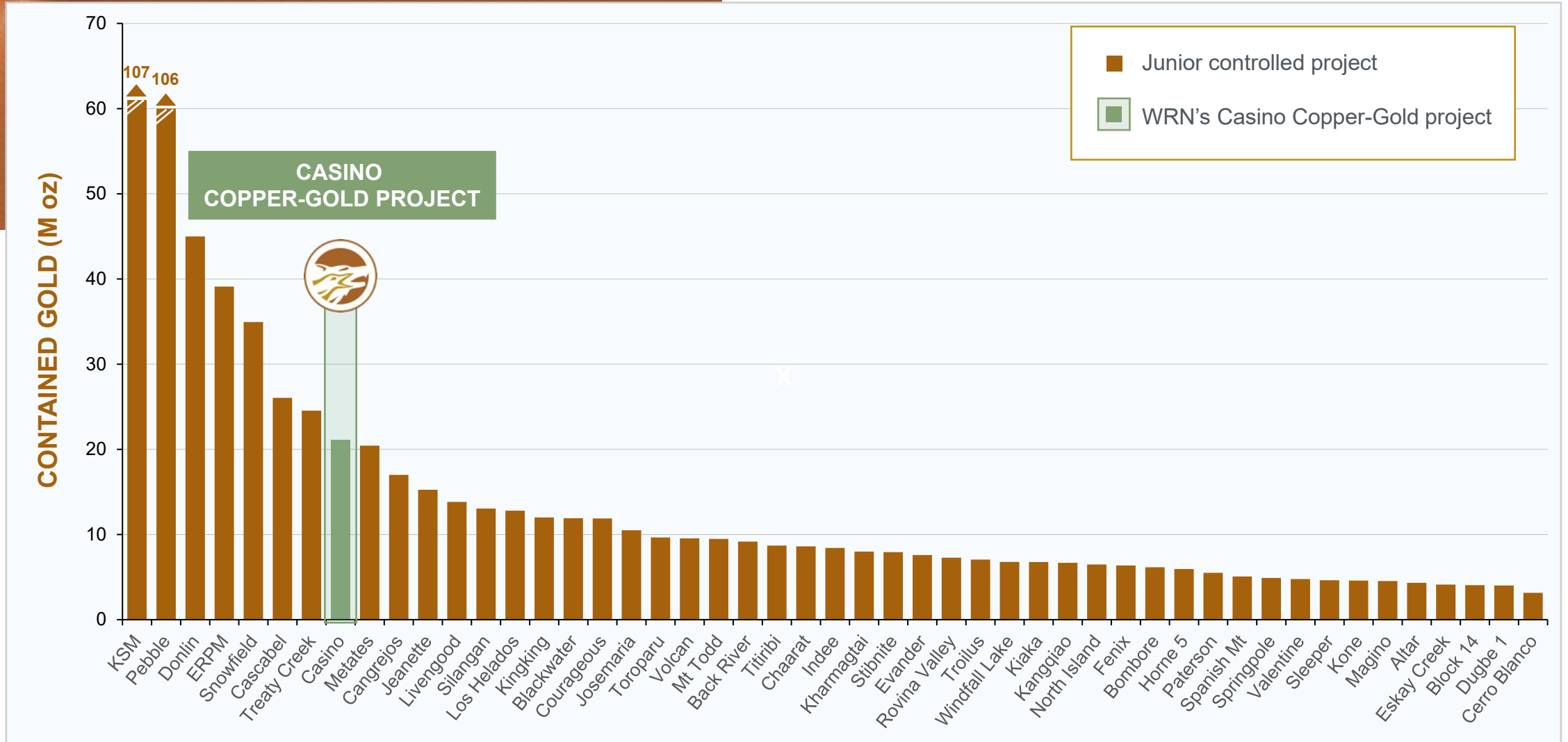
+6.3 Million oz
Inferred Resources



5th LARGEST UNDEVELOPED COPPER-GOLD PROJECT CONTROLLED BY A JUNIOR



8th LARGEST GOLD PROJECT CONTROLLED BY A JUNIOR



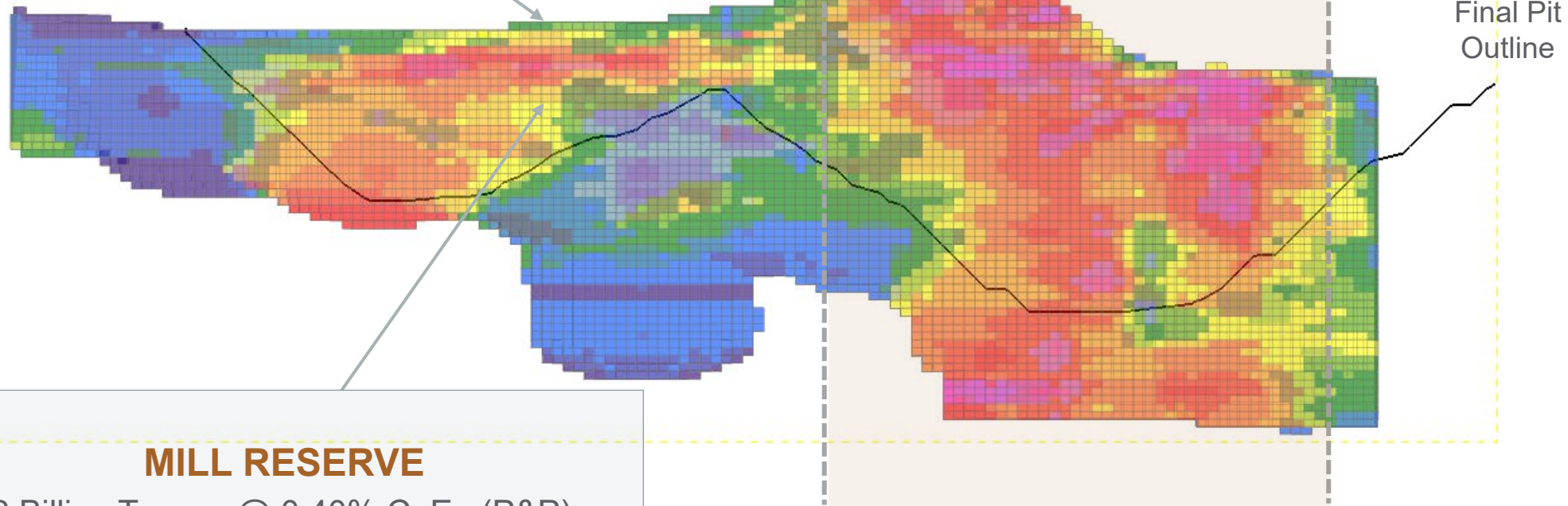


CASINO COPPER-GOLD PROJECT



CASINO COPPER-GOLD DEPOSIT

HEAP LEACH RESERVE
209.6 Million Tonnes @ 0.28 g/t AuEq (P&P)



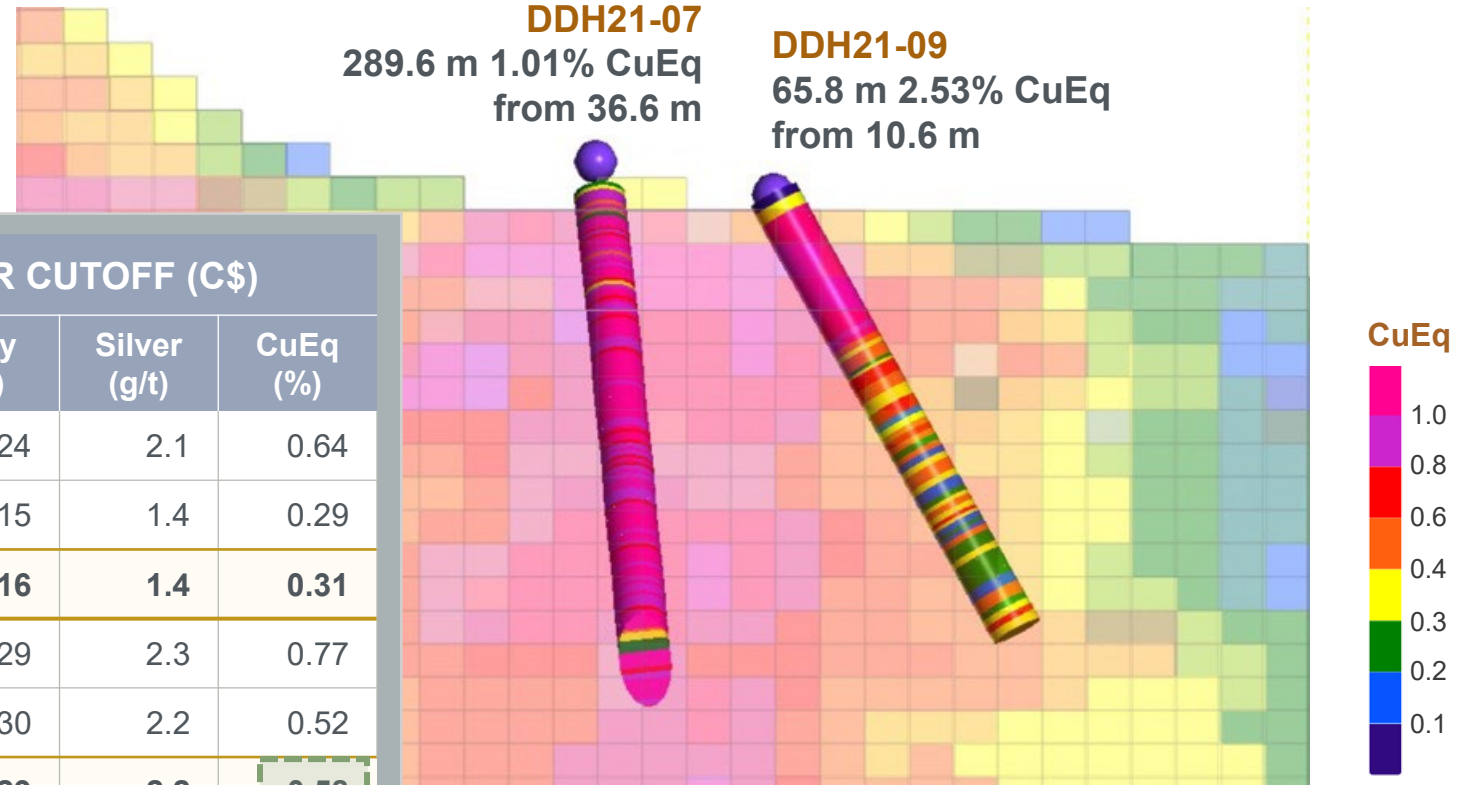
MILL RESERVE
1.22 Billion Tonnes @ 0.40% CuEq (P&P)

CORE ZONE GRADES CONFIRMED BY DRILLING

Results confirmed or, in some cases, improved upon historical drilling

Casino Copper-Gold Core Zone

- 800 m X 500 m zone in the centre of the deposit
- Primarily breccia geology
- Grades significantly higher in this zone as compared to the overall resource grade



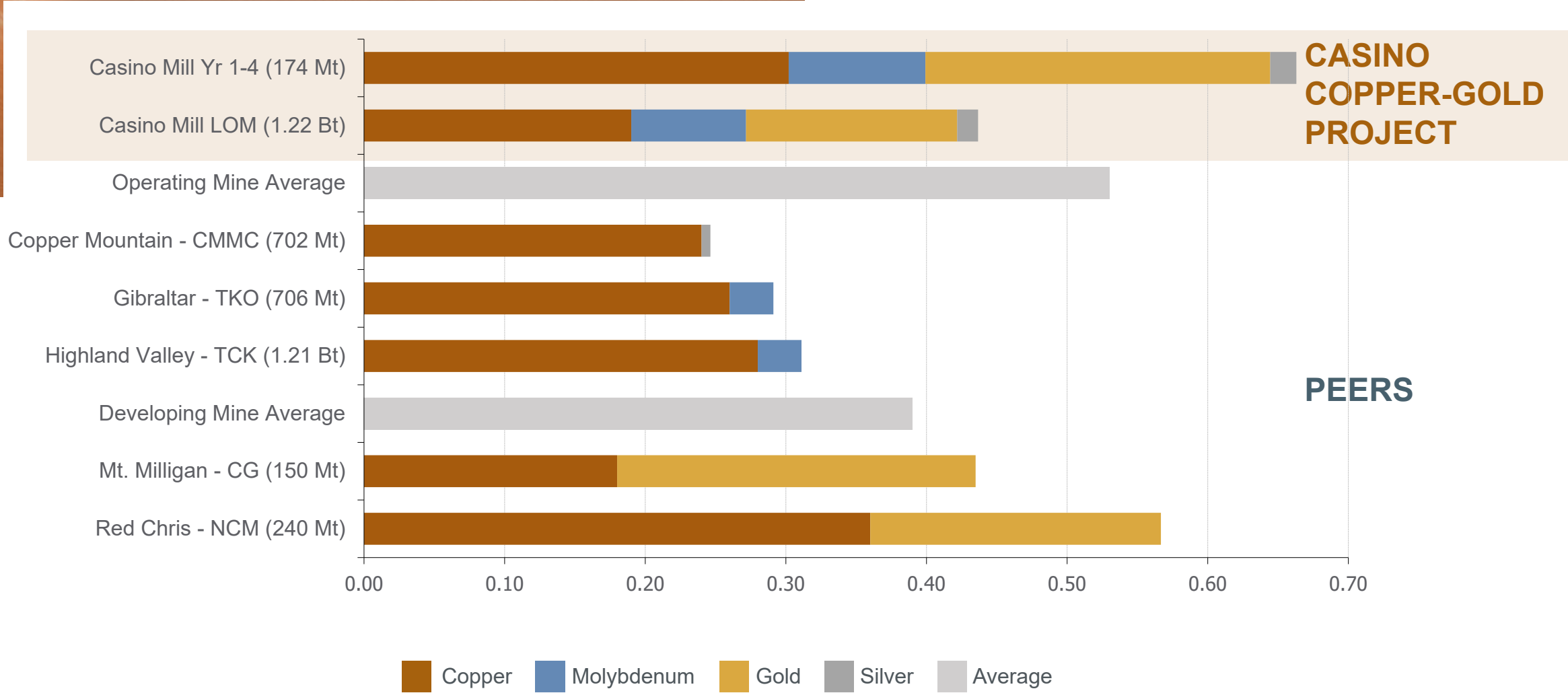
MINERAL RESOURCE - MILL MATERIAL BY NSR CUTOFF (C\$)

NSR Cog (\$/t)	Class	Mt	Copper (%)	Gold (g/t)	Moly (%)	Silver (g/t)	CuEq (%)
6.11	Measured	144.9	0.30	0.38	0.024	2.1	0.64
	Indicated	2,114.2	0.14	0.16	0.015	1.4	0.29
	M+I	2,259.0	0.15	0.18	0.016	1.4	0.31
30	Measured	102.3	0.35	0.46	0.029	2.3	0.77
	Indicated	328.2	0.26	0.29	0.030	2.2	0.52
	M+I	430.5	0.28	0.33	0.029	2.2	0.58

Note: See News Release dated November 29, 2021. Resource from Casino Copper-Gold 2022 Feasibility Study. See "Notes" in Appendix.



GRADES IN LINE WITH PEERS



Note: See "Notes" in Appendix. Peers data based on mineral reserve estimates disclosed in such companies respective corporate websites or technical reports. All CuEq calculations based on US\$3.60/lb copper, US\$1,700/oz gold, US\$22/oz silver, and US\$14/lb moly with no consideration for metallurgical recovery. Mine averages, Mining Intelligence, May 2018



FEASIBILITY STUDY SUMMARY

\$2.33 Billion

NPV
AFTER-TAX (8%)

18.1%

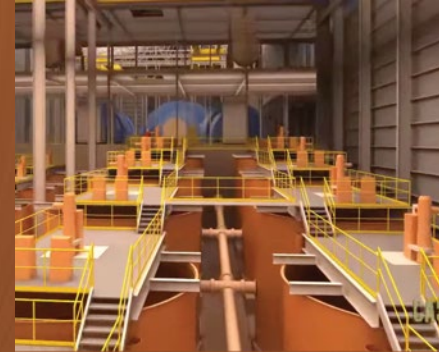
IRR
AFTER-TAX

0.43:1

STRIP RATIO
LOM

3 years

PAYBACK



27 years

MINE LIFE – Mill operation

\$10 Billion

LOM CASH FLOW
AFTER-TAX



Metal Prices **Cu** US\$3.60/lb **Au** US\$1,700/oz **Ag** US\$22/oz **Mo** US\$14/lb



ECONOMIC THROUGHOUT THE COMMODITY CYCLE

ECONOMICS		BASE CASE	SPOT*
Copper	(US\$/lb)	3.60	3.60
Gold	(US\$/oz)	1,700	1,825
Molybdenum	(US\$/lb)	14.00	25.00
Silver	(US\$/oz)	22.00	22.00
Foreign Exchange	(US\$:C\$)	0.80	0.73
NPV @ 8% (after-tax)	(C\$ M)	2,334	4,450
IRR (100% equity) (after-tax)	(%)	18.1	24.8
Cash Flow (Y1-Y4) (after-tax)	(C\$ M/y)	951	1,230
Cash Flow (LOM) (after-tax)	(C\$ M/y)	517	763
PAYBACK	(years)	3.3	2.5



SIGNIFICANT CONTRIBUTION FROM EARLY YEARS

			YEARS 1-4	LIFE OF MINE
AVERAGE ANNUAL CASH FLOW & COSTS	Cash Flow (Pre-tax)	(C\$ M)	1,033	662
	Cash Flow (After-tax)	(C\$ M)	951	517
	Net Smelter Return	(\$/t ore milled)	43.15	29.08
	Operating Cost	(\$/t ore milled)	11.16	
AVERAGE ANNUAL METAL PRODUCTION	Copper	(Mlbs)	241	163
	Gold	(kozs)	333	211
	Silver	(kozs)	1,596	1,277
	Molybdenum	(Mlbs)	15.5	15.1
	Copper Equivalent	(Mlbs)	468	329
	Gold Equivalent	(kozs)	992	697



FEASIBILITY STUDY OPERATING CASH COSTS

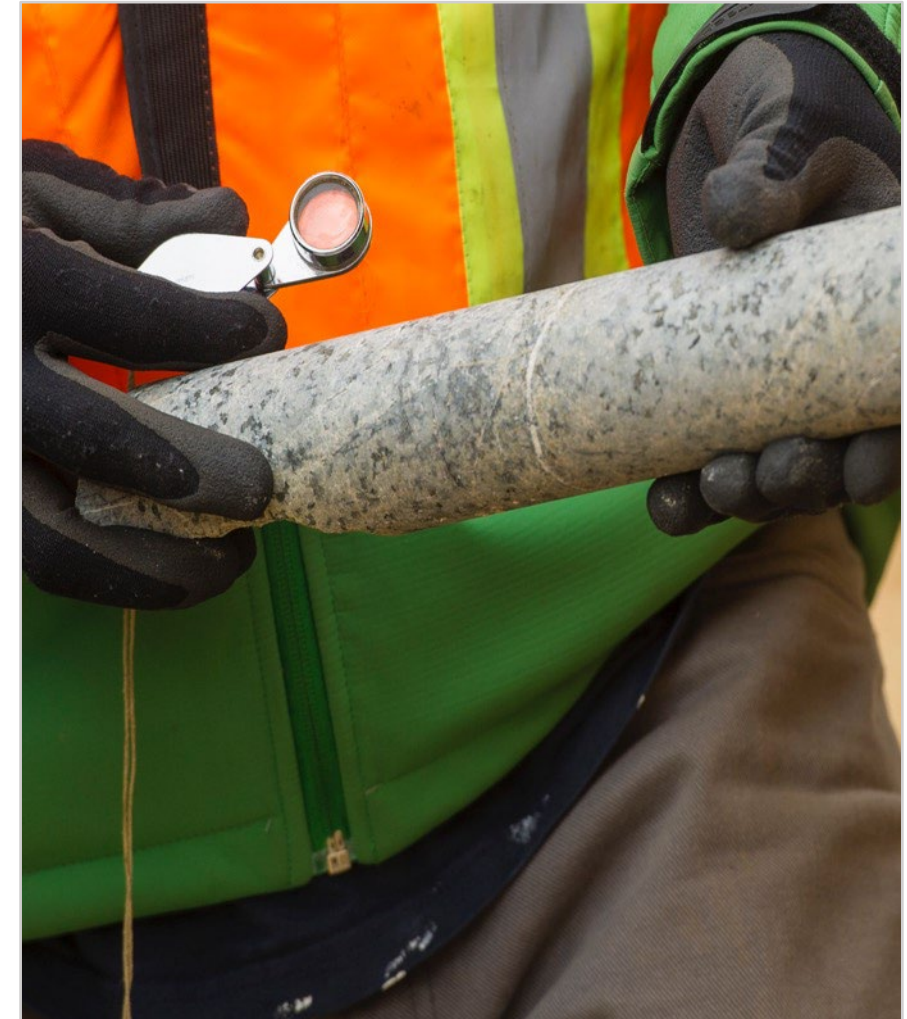
		BASE CASE
BY-PRODUCT COSTS	Copper Cash Cost Net of By-Products (US\$/lb)	(0.80)
CO-PRODUCT COSTS	Copper Cash Cost Co-Product (US\$/lb)	1.54
	Gold Cash Cost Co-Product (US\$/oz)	799



Note: Based on Casino Copper-Gold 2022 Feasibility Study at base case metal prices. See "Notes" in Appendix.

FEASIBILITY STUDY CAPITAL COSTS

PROJECTED CAPITAL COSTS		C\$ Millions
PROCESS PLANT & INFRASTRUCTURE	Project Directs (including freight)	\$2,116
	Project Indirects	\$431
	Contingency	\$369
	Subtotal Process Plant and Infrastructure	\$2,916
MINE COSTS	Mine Equipment	\$433
	Mine Preproduction	\$228
	Subtotal Mine Costs	\$661
	Owners Costs	\$41
TOTAL	Total	C\$3,618
	Sustaining Capital	\$751
	Total Life of Mine Capital Costs	\$4,369



SOCIAL

Committed to health and safety and committed to the protection of cultural values

- Ongoing Engagement with Local Communities and First Nations
- 16+ Years of Operating Responsibly in the Yukon
- Co-operation Agreements Signed with Key First Nations

ENVIRONMENTAL

Committed to exceeding best practices in protecting the environment

- Accepted the Robert E Leckie Award for outstanding Environmental stewardship
- Committed to MAC's Towards Sustainable Mining (TSM) initiative

GOVERNANCE

Committed to high ethical standards and building long term value

- Corporate Disclosure Policy
- Safety, Health & Environmental Policy
- Whistleblower Policy
- Insider Trading Policy

SUPPORTING

- Reconciliation
- Yukon First Nations cultural awareness
- Yukon-wide health care
- Yukon education and family literacy
- Yukon community food security
- Yukon-wide sport and culture
- Yukon-wide mental health support
- Industry association support

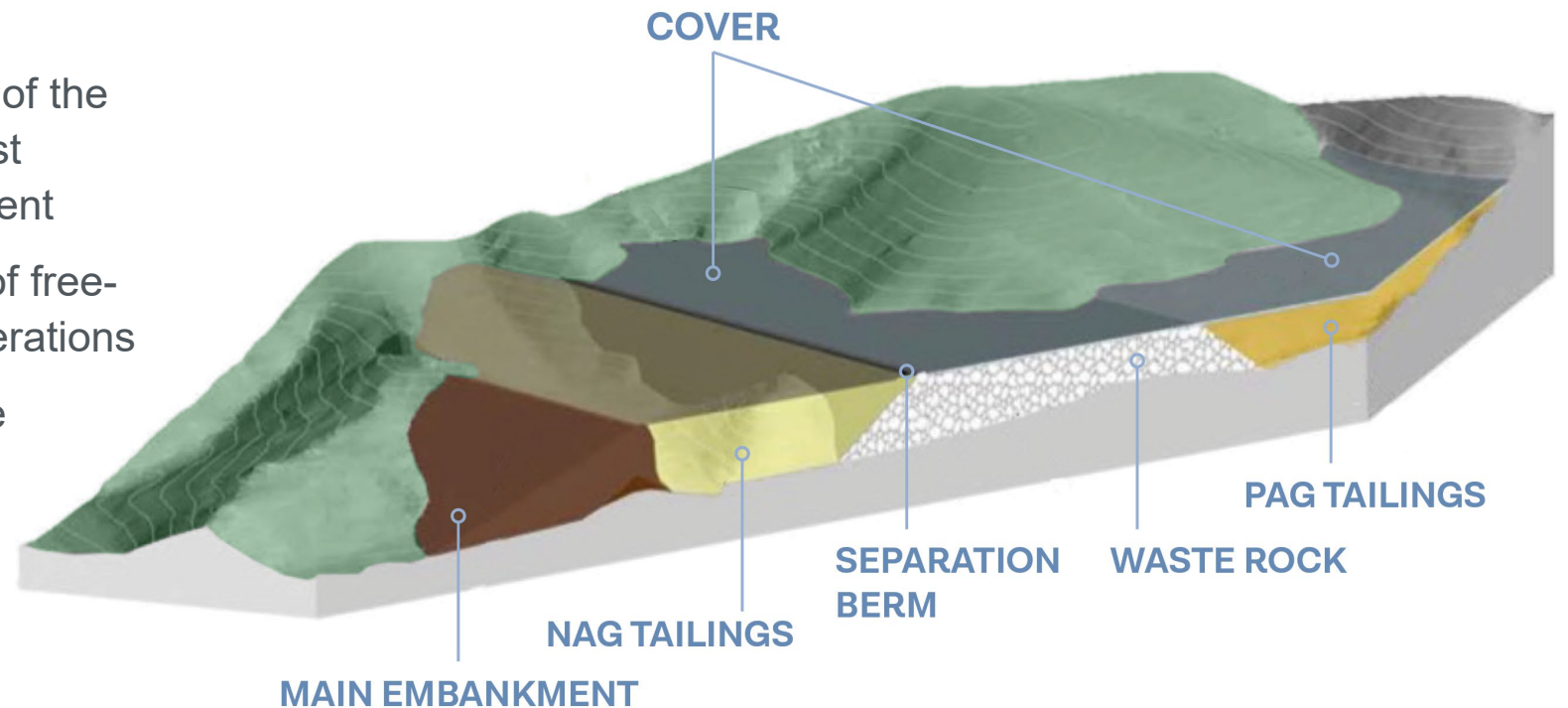


Tailings Facility Redesign

Reduced Risk, Reduced
Environmental Impact and
Improved Safety

- Redesign incorporates the outcomes of the BATT study – a collaboration with First Nations, YESAB and Yukon government
- Substantial reduction in the quantity of free-standing water impounded during operations
- PAG tailings moved to the back of the facility protected by Waste Rock and Main Embankment

- Closure by rock/sand cover limiting the need for tailings “pond”
- Several other changes to the design to reduce construction risk



ACCESS ROAD FUNDING SECURED

C\$130 Million Funding

Committed from
Governments for the Casino
Copper-Gold Access Road

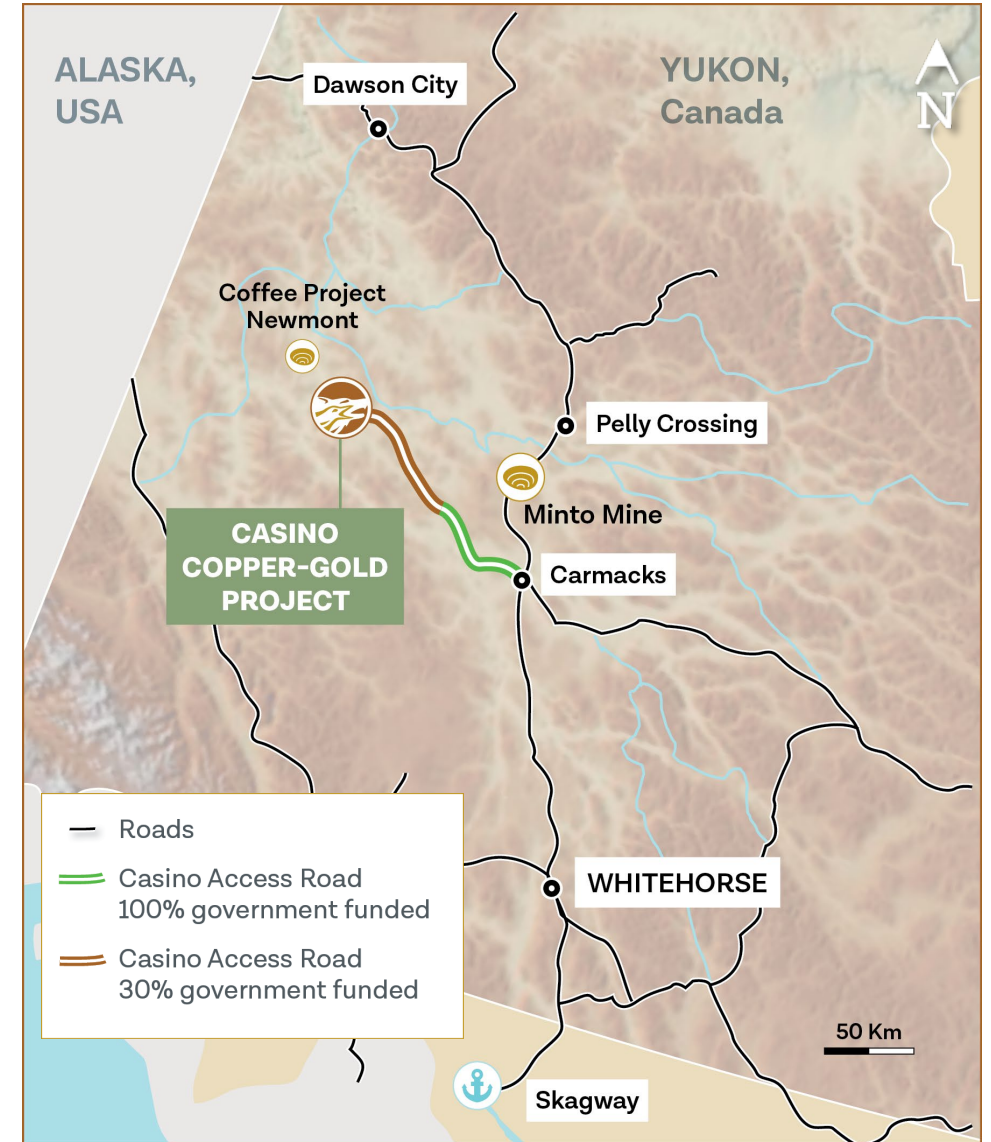


Canadian Prime Minister Justin Trudeau and
Former Yukon Premier Sandy Silver

- Construction started early 2022
- Agreements reached with First Nations on key aspects of remaining road



Photo: Pelly Construction



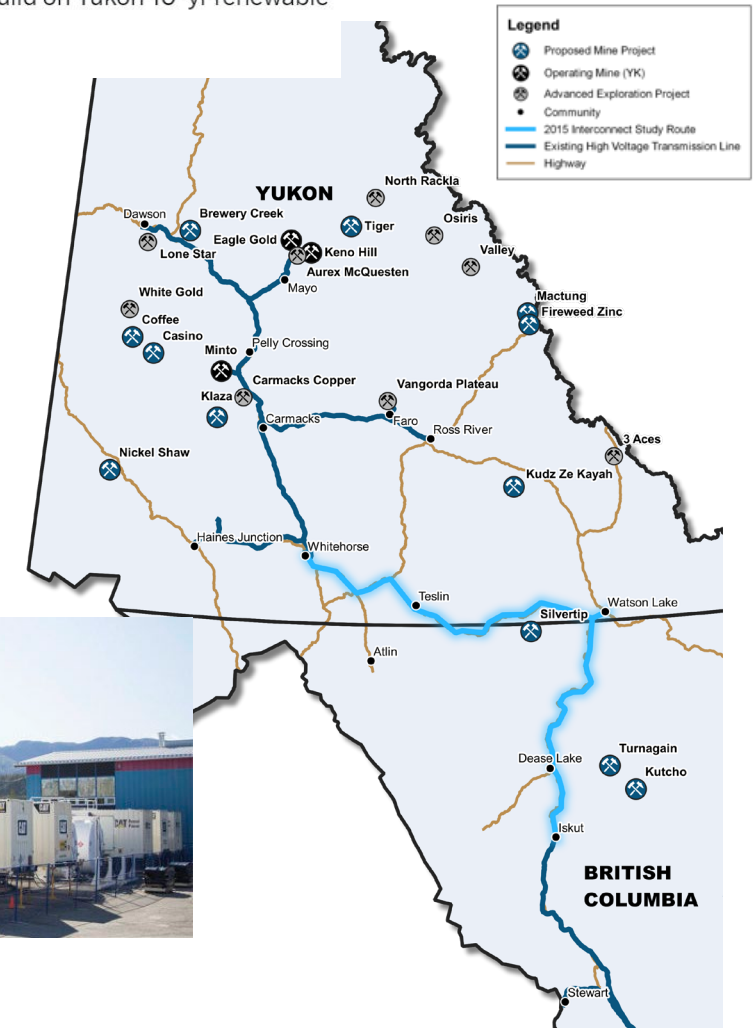
Connecting Yukon's Power Grid Supporting Canada's future Green Economy

- Casino Base Case is to use an LNG power plant
- Discussions initiated in January with Yukon, BC and Federal governments to connect the BC and Yukon power grids
- Included in Yukon Minister Streicker's mandate letter, Federal government's recent budget included money to supply green energy from "coast to coast to coast"
- Interconnection would include 763 km of new line
- Yukon grid is beyond capacity, 22 rental diesel generators addressing shortfall
- Addition of the Casino Project would add 130 MW of load and help justify the connection
- **Grid connection would be transformative for the Casino Project**

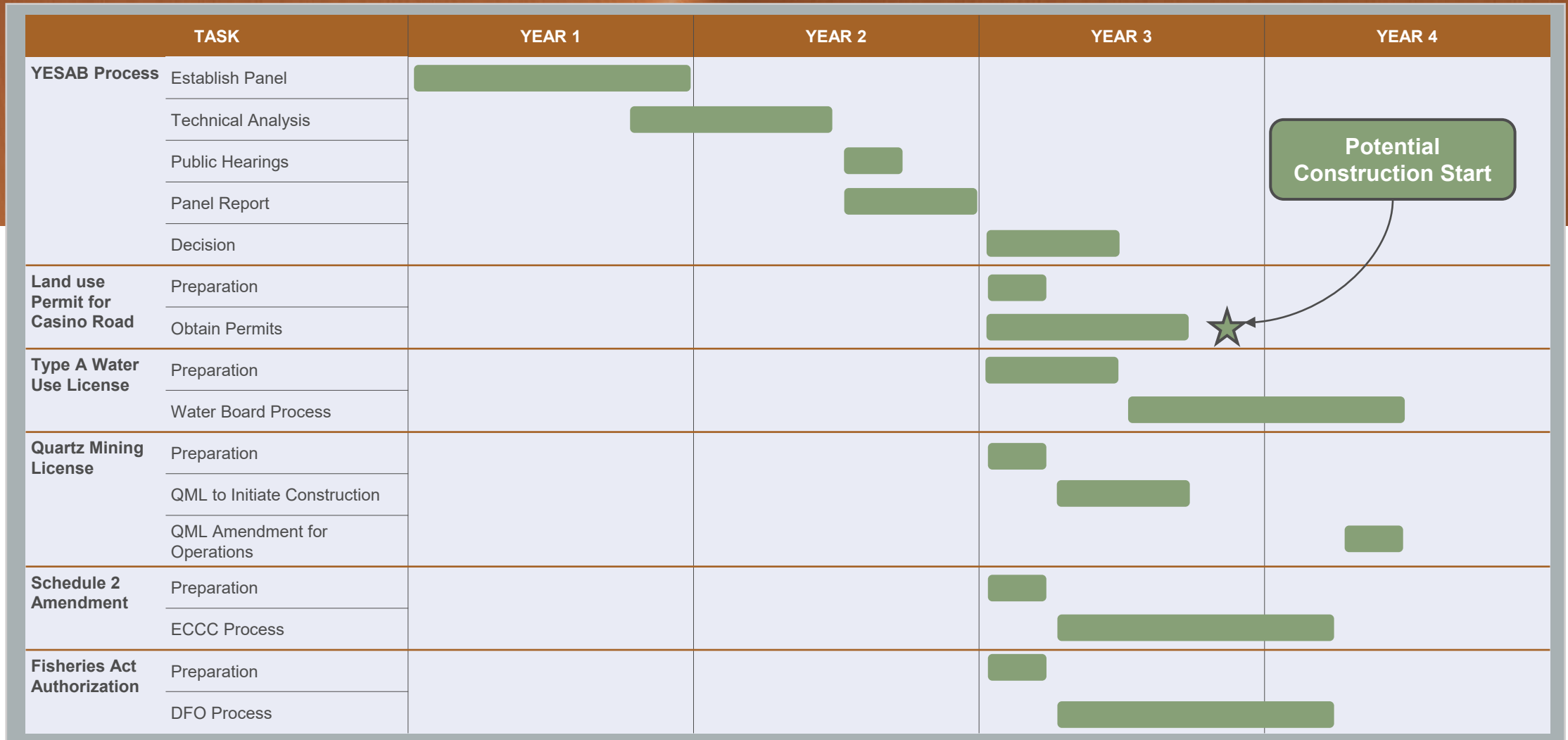


John Streicker (he/him/his) ✓ @JohnStreicker · Jan 21

With the Yukon growing so fast, Premier @RanjPillai1 asked me to start conversation on BC-YT grid connect & build on Yukon 10-yr renewable plan...



CASINO PERMITTING TIMELINE



KEY ASSET IN AN EMERGING NEW DISTRICT



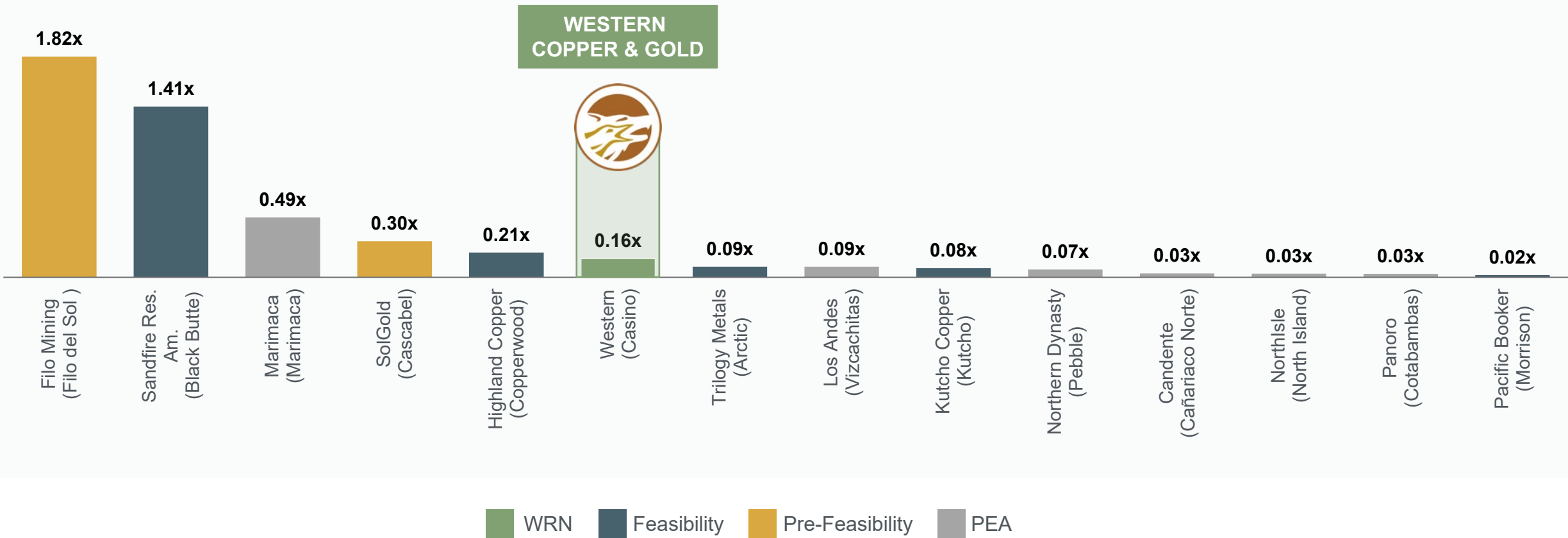
- **Major miners** in area – Rio Tinto, Newmont, Agnico-Eagle, Kinross, and others
- **~ 30 million ounces of gold** in district*
- Significant **exploration upside**
- Government commitment to **fund access** to area
- Coffee project **recently completed** Environmental Assessment
- **Community and First Nation support**

*Based on Company records.



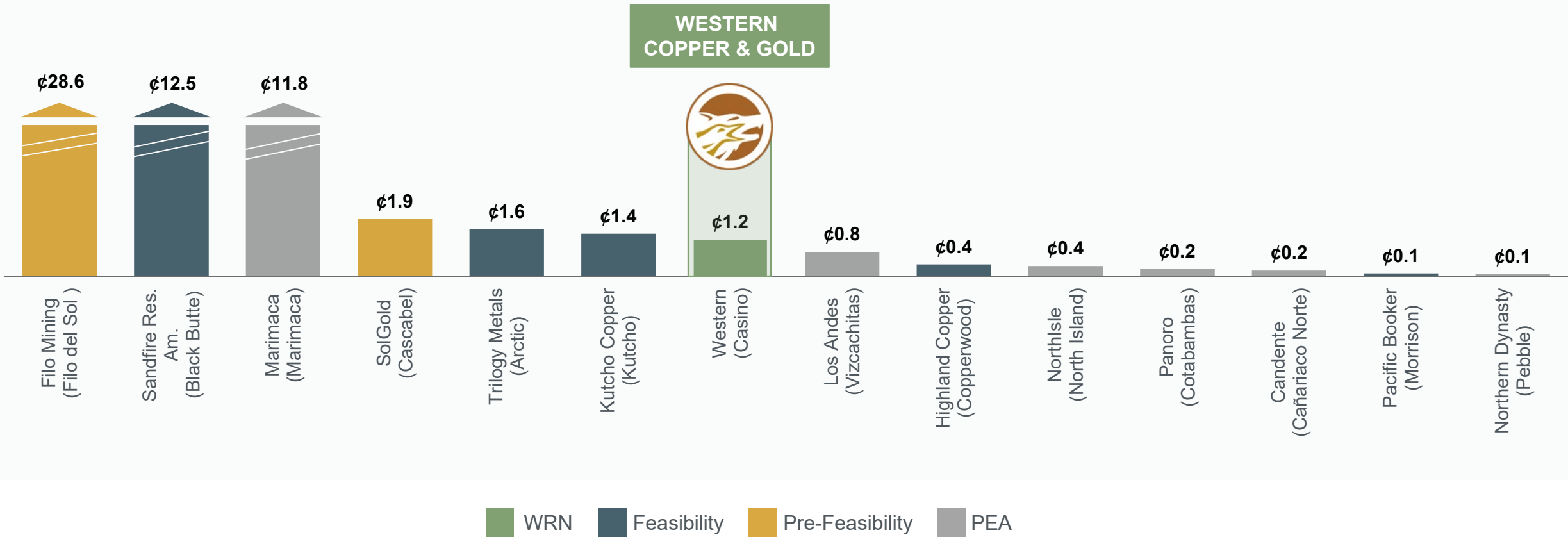
ENTERPRISE VALUE/PROJECT NPV (STUDY) BENCHMARKING (x)

● WRN trades at 0.16x NPV, a discount to its peers




ENTERPRISE VALUE/COPPER EQUIVALENT RESOURCE BENCHMARKING (US¢/lb CuEq)

- WRN is undervalued with greater growth opportunity compared to its peers



Source: RBC, Bloomberg, S&P Capital IQ and company disclosure as of April 14, 2023. Note: Copper equivalent resource calculated using \$3.50/lb Cu, \$8.50/lb Mo, \$0.85/lb Pb, \$1.10/lb Zn, \$8.00/lb Ni, \$35.00/lb Co, \$1,600/oz Au, \$21.50/oz Ag, \$1,100/oz Pd, and \$1,000/oz Pt.





Casino Copper and Gold Project already ticks many of the boxes

Significant copper and gold project ✓

Yukon – an emerging mining district ✓

Clear path to unlock value ✓



Upcoming Catalysts

Continuing partnership with strategic investors in evaluation of Casino

Submit EA proposal

Steady Progress





CORMARK SECURITIES

Stefan Ioannou
416 943 4222

H.C. WAINWRIGHT & CO.

Heiko F. Ihle, CFA
212 356 0500

AGENTIS CAPITAL

Michael Gray, MSc
778 952 0978



APPENDIX

KEY MANAGEMENT TEAM WITH SUCCESSFUL TRACK RECORD



Ken Williamson,
B.A.Sc., MBA, P.Eng
Director & Interim Chairman

Former investment banker with a focus on capital markets and mergers and acquisitions. Extensive board experience.



Paul West-Sells,
PhD
President & CEO

Metallurgical Engineer with significant management and metallurgical experience in increasingly senior roles with BHP, Placer Dome and Barrick.



Ken Engquist,
B.Sc.
COO

30 years leadership and development experience overseeing the de-risking and advancement of numerous mining projects from early-stage exploration through start-up and operation.



Varun Prasad,
CPA, CGA
CFO

Professional Accountant with extensive experience in financial reporting and regulatory matters and increasingly senior roles with WRN since 2011.



Shena Shaw
VP, Environmental & Community Affairs

Extensive experience in environmental consulting with a focus on responsible development of resource extraction through the environmental assessment and Indigenous engagement processes.



Cameron Brown,
P.Eng
Special Technical Advisor

Formerly Project Manager for Bechtel Engineering and Western Silver Corporation.



BOARD OF DIRECTORS



Ken Williamson,
B.A.Sc., MBA, P.Eng
Director & Interim Chairman

Former investment banker. Mr. Williamson has served on the boards of Eicon Technology Corporation, Glamis Gold Ltd., BioteQ Environmental Technologies Inc., Uranium One Inc., BlackRock Ventures Inc., Quadra FNX Mining Ltd., Tahoe Resources Inc. and Goldcorp Inc.

Tara Christie,
B.A.Sc., M.A.Sc., P.Eng
Director

President and CEO of Banyan Gold Corp. Ms. Christie serves on the boards of Constantine Metal Resources Ltd and Klondike Gold Corp. and was the President of one of the Yukon's largest placer mining operations. Founding board member of YESAB.

Michael Vitton,
Director

Mr. Vitton is the former Executive Managing Director, Head, US Equity Sales, Bank of Montreal Capital Markets where he originated and placed more than USD \$200 billion through public and secondary offerings and M&A transactions across all sectors.


Bill Williams,
Ph.D., CPG
Director

Economic geologist with expertise in company/project (e)valuations, M&A analyses, risk analysis, project management, and permitting strategies. Mr. Williams has served on the boards of Detour Gold Corporation, Zinc One Resources Inc. and Orvana Minerals Corp.

Klaus Zeitler,
Ph.D.,
Director

Formerly Senior VP of Teck Cominco and founder and CEO of Inmet Mining Corporation. Currently Executive Chairman of Amerigo Resources Corp., Chairman and Director of Los Andes Copper Ltd., Chairman of Rio2Limited.





Economic Impact of the development of Casino Copper-Gold on the Yukon and Canada

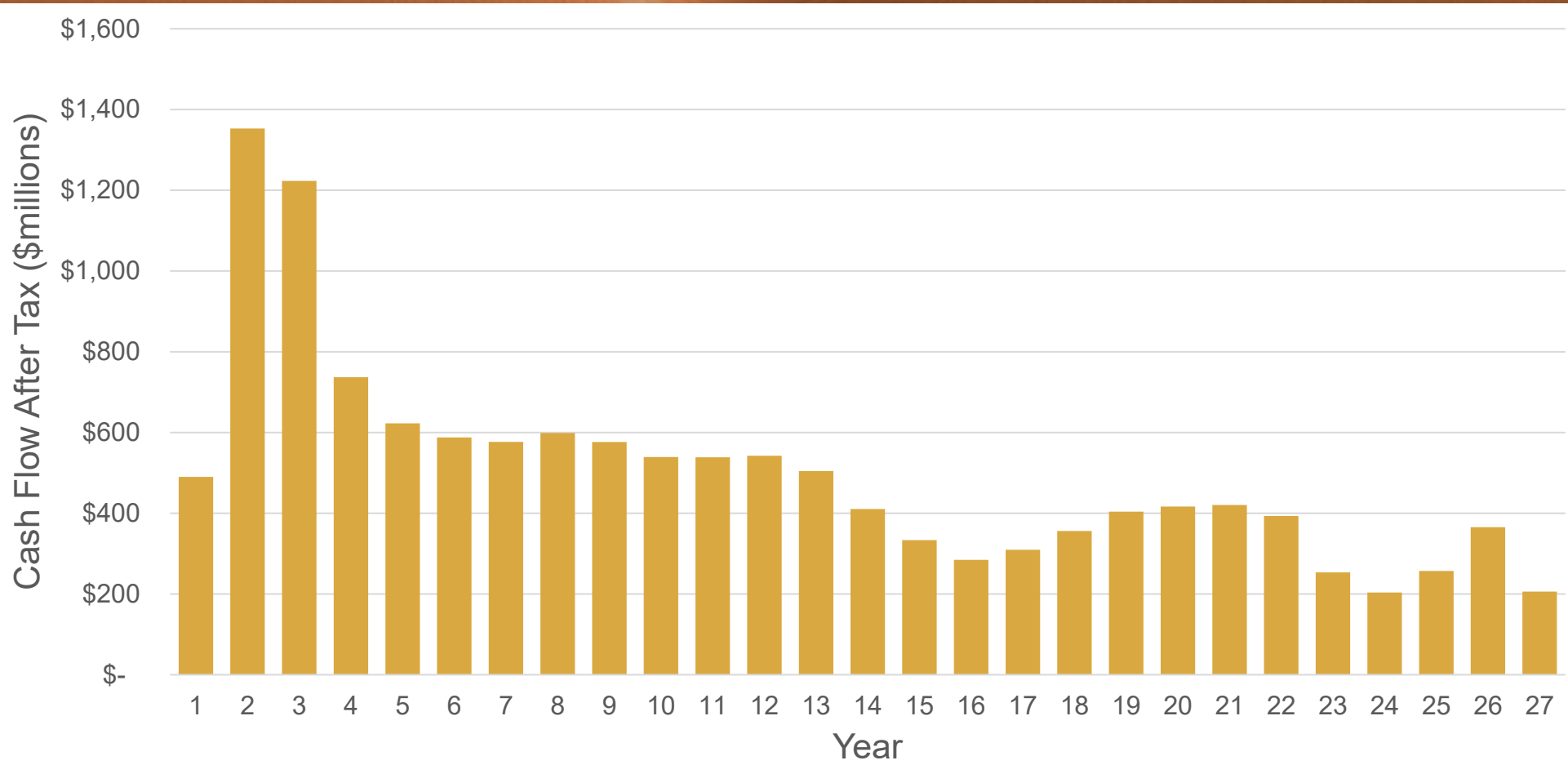
Over the Life of the Project, Casino is estimated to

- Contribute \$44.3 billion to Canada's GDP
- Create 132,280 full-time equivalent positions
- Generate \$12.8 billion in wages and salaries
- Generate \$11.2 billion in taxes and royalties to various governments

Each year Casino is estimated to

- Contribute \$1.3 billion to Yukon's economy
- Contribute \$1.5 billion to Canada's GDP through operation of the mine
- Creating 3,880 full-time equivalent positions
- Generate \$391 million in wages and salaries across Canada

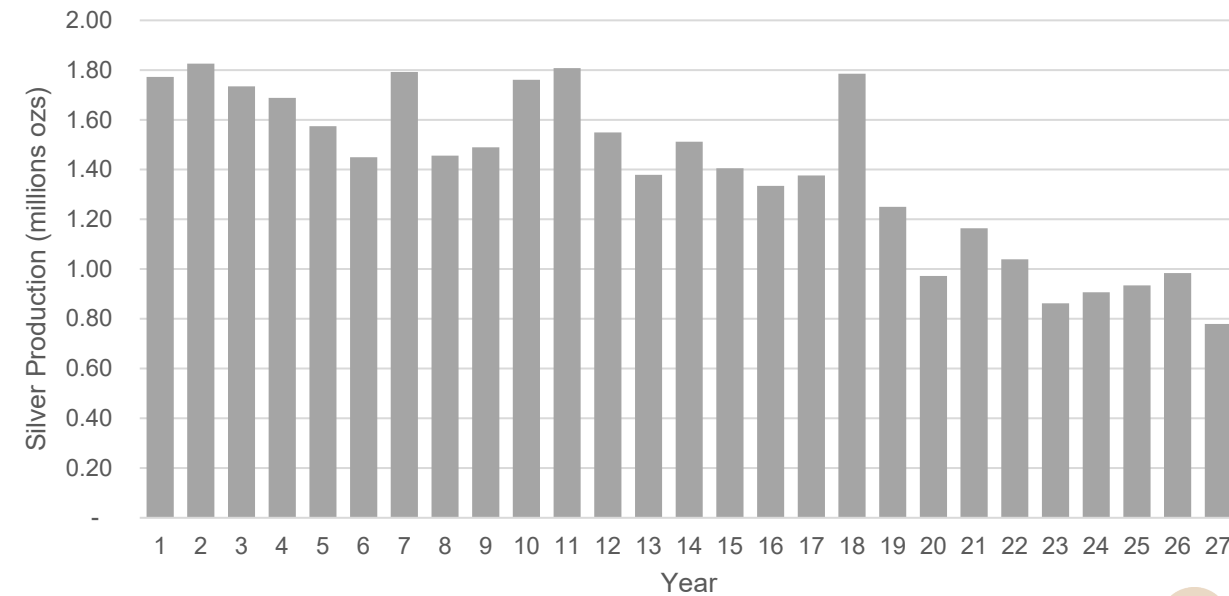
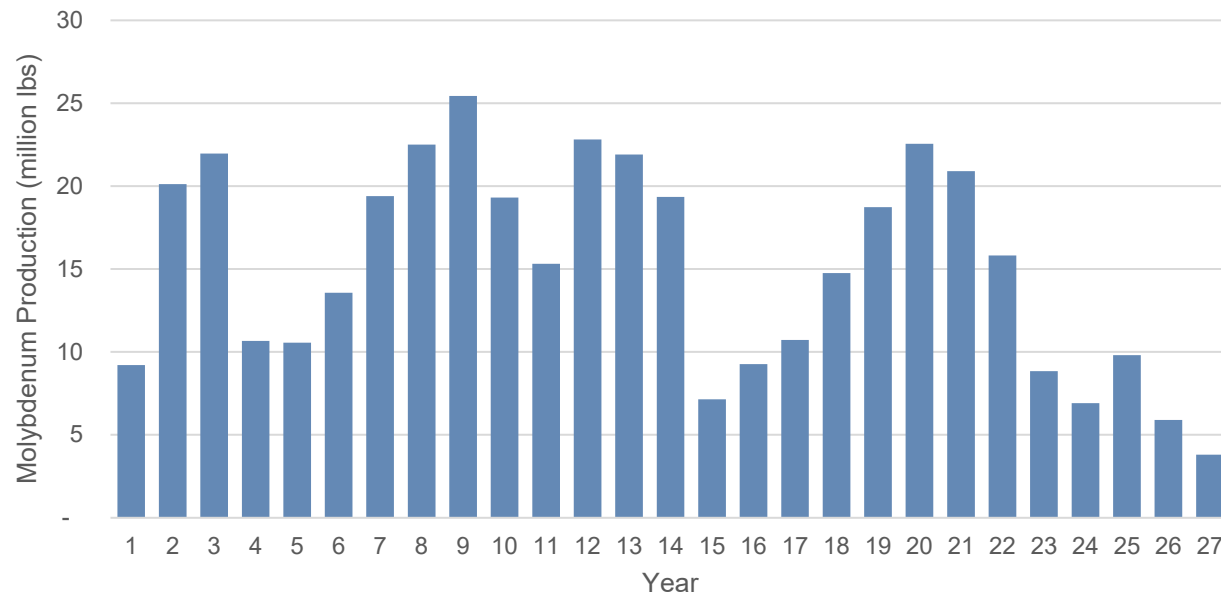
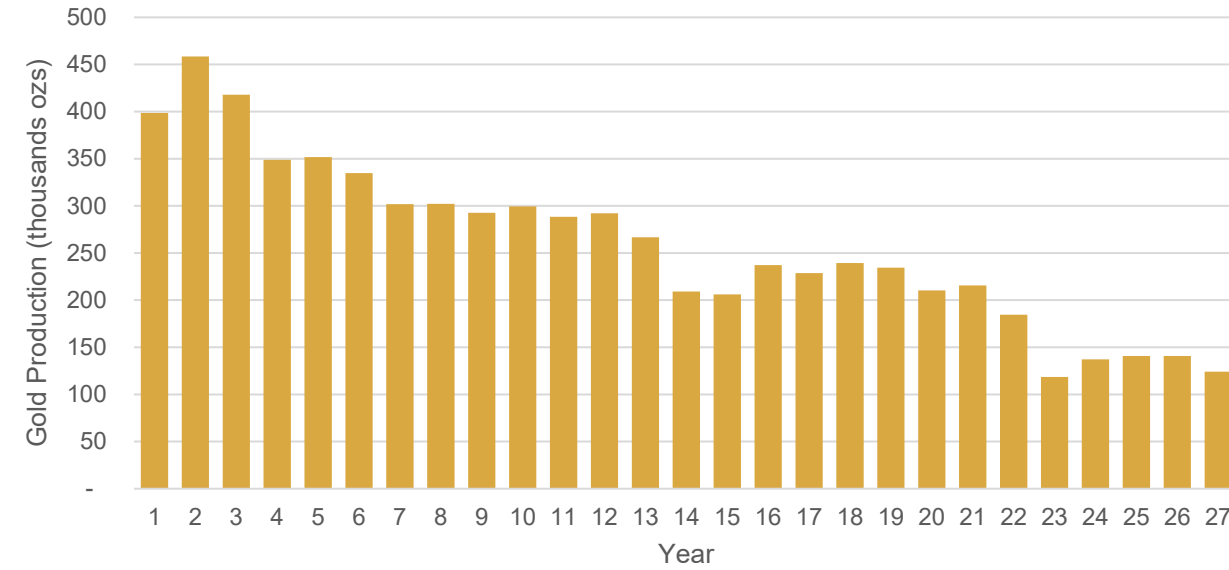
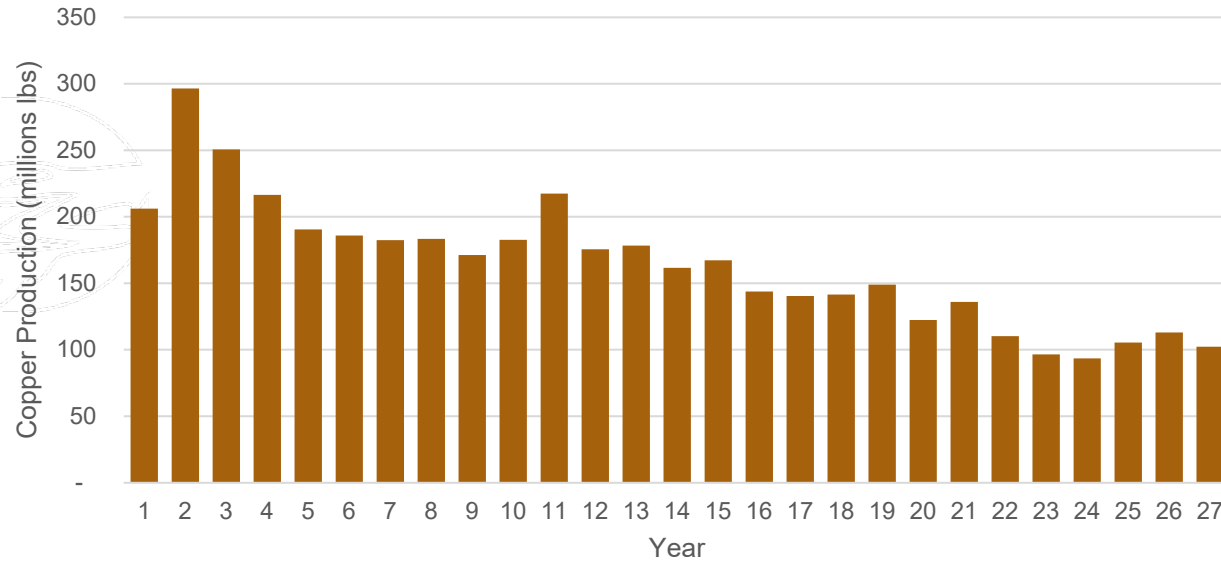




Note: Based on Casino Copper-Gold 2022 Feasibility Study. See "Notes" in Appendix. Base case metal prices used.

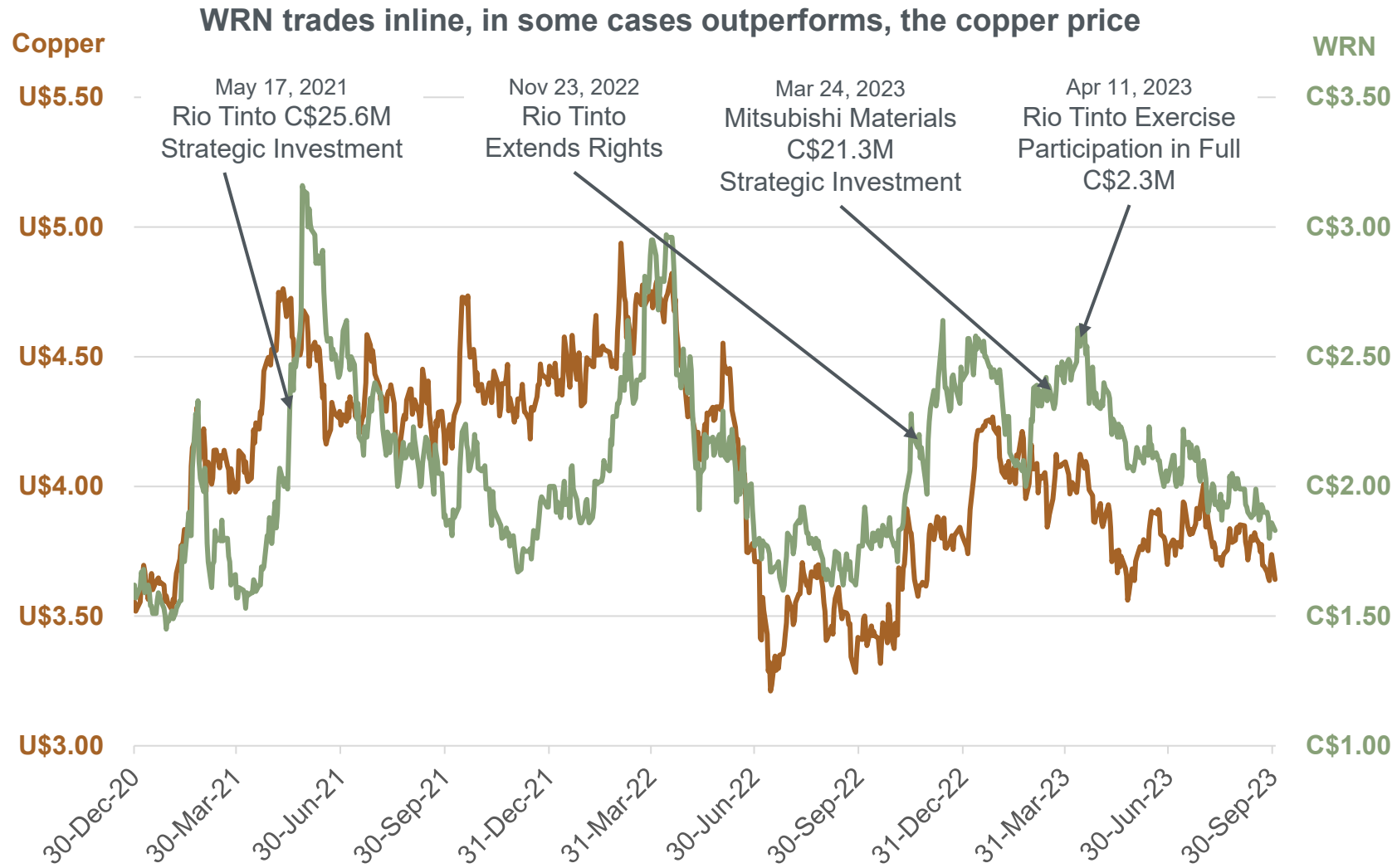


METAL PRODUCTION



Note: Based on Casino Copper-Gold 2022 Feasibility Study. See "Notes" in Appendix.

SHARE VS COPPER PRICE PERFORMANCE



ECONOMIC THROUGHOUT THE COMMODITY CYCLE

			COPPER PRICE (\$US)						
			\$3.00	\$3.50	\$3.60	\$4.00	\$4.50	\$5.00	\$5.50
GOLD PRICE (\$US)	\$1,300	NPV 8% (C\$M)	\$866	\$1,437	\$1,551	\$2,006	\$2,571	\$3,136	\$3,701
		IRR %	12.1%	14.5%	14.9%	16.7%	18.7%	20.7%	22.5%
		Payback (yrs)	5.0	4.1	4.0	3.6	3.2	2.9	2.7
	\$1,500	NPV 8% (C\$M)	\$1,261	\$1,831	\$1,944	\$2,396	\$2,961	\$3,526	\$4,091
		IRR %	13.8%	16.1%	16.5%	18.2%	20.2%	22.1%	23.9%
		Payback (yrs)	4.3	3.7	3.6	3.3	3.0	2.8	2.6
	\$1,700	NPV 8% (C\$M)	\$1,655	\$2,221	\$2,334	\$2,786	\$3,351	\$3,917	\$4,481
		IRR %	15.5%	17.7%	18.1%	19.7%	21.6%	23.5%	25.2%
		Payback (yrs)	3.8	3.4	3.3	3.0	2.8	2.6	2.4
	\$1,850	NPV 8% (C\$M)	\$1,949	\$2,514	\$2,627	\$3,079	\$3,644	\$4,209	\$4,772
		IRR %	16.7%	18.8%	19.2%	20.8%	22.7%	24.5%	26.2%
		Payback (yrs)	3.6	3.2	3.1	2.9	2.7	2.5	2.3
	\$2,050	NPV 8% (C\$M)	\$2,339	\$2,904	\$3,017	\$3,469	\$4,034	\$4,597	\$5,159
		IRR %	18.3%	20.3%	20.7%	22.2%	24.0%	25.8%	27.5%
		Payback (yrs)	3.2	2.9	2.9	2.7	2.5	2.4	2.2
	\$2,200	NPV 8% (C\$M)	\$2,632	\$3,197	\$3,310	\$3,762	\$4,326	\$4,888	\$5,450
		IRR %	19.4%	21.4%	21.8%	23.3%	25.1%	26.8%	28.4%
		Payback (yrs)	3.0	2.8	2.8	2.6	2.4	2.3	2.2

**BASE CASE
PRICES**


- **1917:** First known record of mineral claim
- **1930's:** Discovery of silver-lead veins
- **1965-1980:** 370 tonnes of hand-cobbed lead/silver ore sent to Trail, BC
- **1967:** ID of Cu porphyry potential Brameda, Quintana & Teck diamond drill 12,300 m +RC drill 5,200 m
- **1991:** Archer, Cathro and Associates diamond drill ~5,200 m
- **1992 -1995:** Pacific Sentinel Gold Corp. acquire property. Extensive program, including 73,000 m of diamond drilling, environmental & metallurgical studies, etc. Internal scoping study produced.
- **2004:** Lumina Resources Corporation issues NI 43-101 compliant resource
- **2006:** Western Copper acquires Lumina Resources Corporation
- **2008:** Initial pre-feasibility study issued
- **2009-2010:** Exploration program including 26,000 m of diamond drilling, new resource issued
- **2011:** New pre-feasibility study issued
- **2013:** Feasibility Study issued
- **2014:** YESAB application filed
- **2016:** Elevated to a YESAB Panel review
- **2018:** BATT Study Completed
- **2019:** Acquisition of Canadian Creek property, completion of ~15,000 meter infill drill program
- **2020:** ~12,000 meter drill program to further explore new targets, new resource issued
- **2021:** PEA issued, Rio Tinto brought on as strategic investor
- **2022:** Feasibility Study issued
- **2023:** Mitsubishi brought on as strategic investor




 ● **Engineering Lead:**

- Geotechnical:
- Mining:
- Metallurgical:
- Access road:
- Power:

M3 Engineering & Development

Knight Piésold

Independent Mining Consultants, Inc.

ALS Metallurgical, International Metallurgical & Environmental, Arcadis (Chile)

Associated Engineering

Siemens

● **Permitting Lead:****Stantec**● **Owner's Team**

- Paul West-Sells:
- Ken Engquist:
- Shena Shaw:
- Chandni Kher:
- Cam Brown:
- Jay Corman:
- Heather Brown:
- Jeff Austin:

President & Chief Executive Officer

Chief Operating Officer

VP Environmental & Community Affairs

Director, Environmental & Regulatory Affairs

Special Technical Advisor

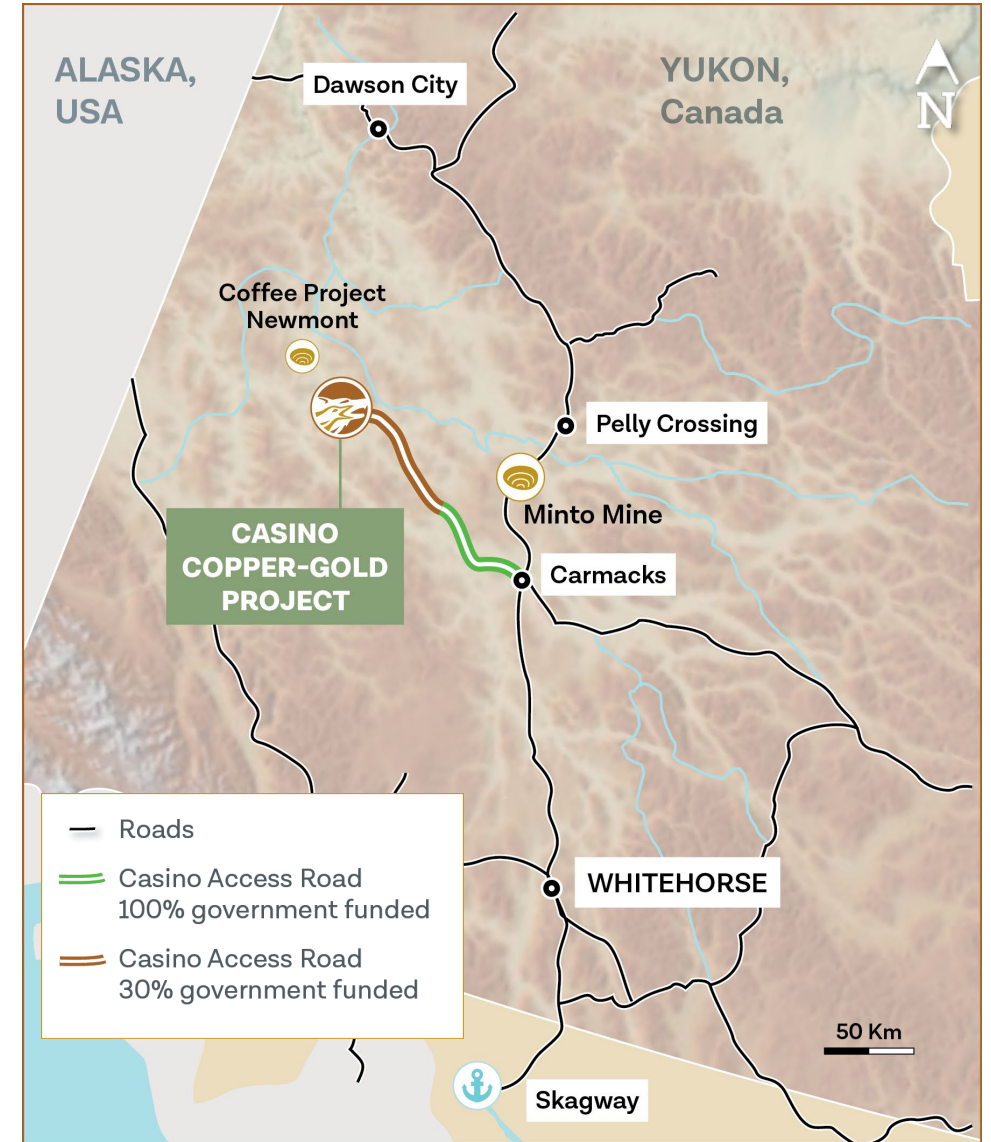
Manager, Special Projects

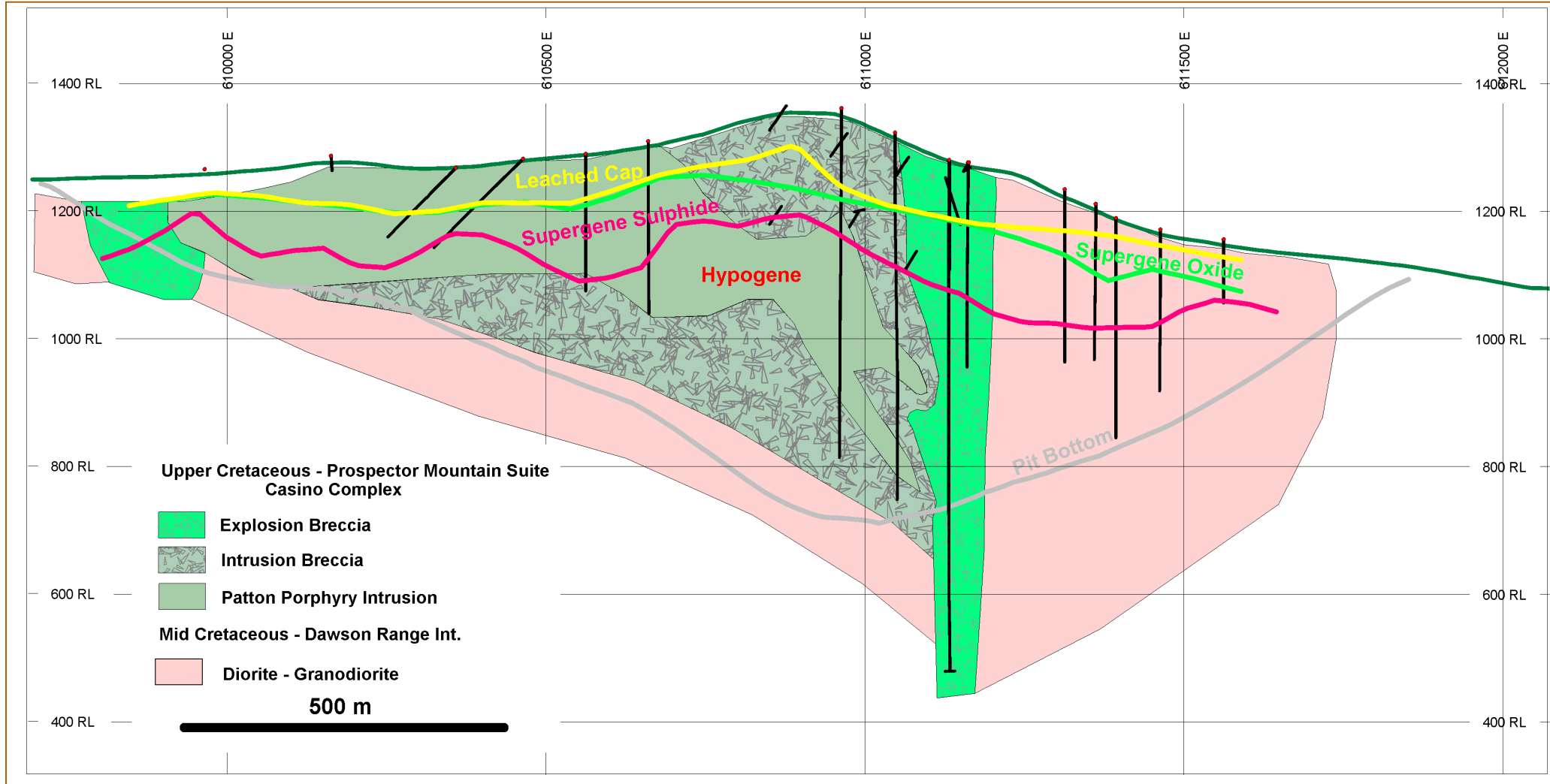
Consulting Geologist

Consulting Metallurgist

EXCELLENT LOCATION

- Yukon, Canada – Low political risk
- Population 40,000
- Casino project is located 380 km from Whitehorse, Yukon
- 560 km from year-round port at Skagway, Alaska
- Mine and mill are in Selkirk First Nation Traditional Territory – same territory as the Minto mine
- Other First Nations affected by Project:
 - Little Salmon Carmacks First Nation
 - Tr'ondëk Hwëchin
 - White River First Nation
 - Kluane First Nation





Note: High grade zone dips off section. East-west longitudinal section 6958400 N. Based on Casino Copper-Gold 2022 FS. See "Notes" in Appendix.



- Pit designs for five mining phases were developed to produce 45.4 M tonnes per year of mill feed ore
- Mill material is limited to approximately 1.2 billion tonnes due to TMF capacity
- The pits were designed with 40 m wide ramps, 20 m benches. 45 degree overall pit slope angles for most of the pit with some areas at 42 degrees.
- Komatsu 980E or similar haul trucks (370 tonne class)
- Floating cone based on US\$1.75/lb copper, US\$835/oz gold – very low prices as pit is constrained by TMF capacity.
- Pit is electrified to power shovels and drills
- Strip ratio: 0.43:1 LOM



● Milling

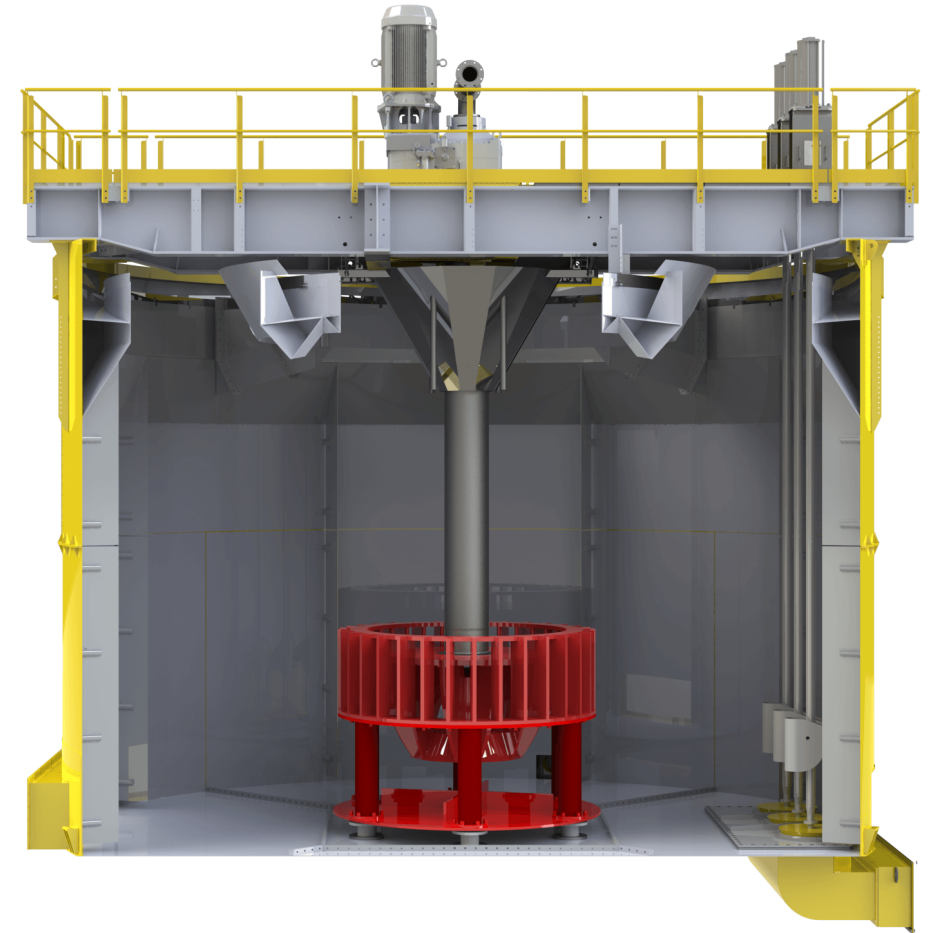
- Throughput: average LOM 120,000 tonnes per day
- Grinding Circuit: 40 ft SAG Mill (29 MW) + 2 x 28 ft Ball Mills (22 MW each)
- Medium – soft ore: BWi – 14.5 kWh/t, 200 µm primary grind

● Flotation

- Conventional copper/moly circuit
- Recoveries: Copper 86%, Gold 67%, Moly 71%, Silver 53%
- Sulfide removal circuit to produce suitable tailings for dam construction

● Heap Leach

- Conventional crush/conveyer stack valley fill heap leach
- 25,000 tonnes per day
- SART to remove copper from solution
- Recoveries: Gold 80%, Silver 26%, Copper 18%



EXCELLENT CONCENTRATE QUALITY**COPPER CONCENTRATE**

ELEMENT	AVG VALUE	UNIT
Copper	28	%
Gold	25	g/t
Silver	120	g/t
Molybdenum	0.05	%
Iron	26	%
Sulphur	36	%
Arsenic	200	g/t
Antimony	250	g/t
Mercury	1	g/t
Cadmium	40	g/t
Fluorine	100	g/t
Silica	2	%

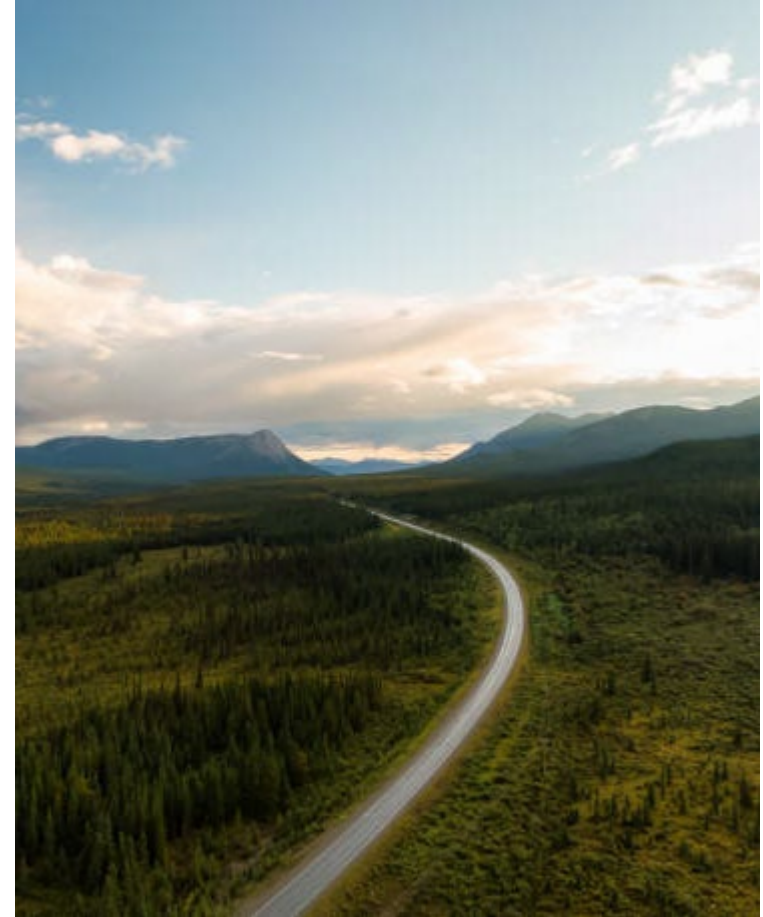
MOLYBDENUM CONCENTRATE

ELEMENT	AVG VALUE	UNIT
Molybdenum	57.4	%
Copper	0.39	%
Rhenium	133.5	g/t
Iron	0.8	%
Sulphur	37.9	%
Arsenic	1,659	g/t
Antimony	100	g/t
Mercury	<1	g/t
Cadmium	3	g/t
Fluorine	ND	g/t
Silica	1.74	%



Straight-Forward Road Access

- **All roads are well maintained and used year-round**
 - 380 km from Whitehorse
 - 560 km from Skagway, Alaska (concentrate load-out facility)
 - 358 km – existing major highway
 - 70 km – existing road to be upgraded by Yukon Government
 - 132 km – new all-weather road will be built, subsidized by government
- **Majority of the route the same as used by the Minto Mine**
- **Low traffic volume**
 - Current peak daily volume for all vehicles along route (at Carcross North) = 886 vehicles /day (40 per hr)
 - The Casino project would add 20 concentrate trucks a day to this route = only 2.5% total daily increase in traffic



INFRASTRUCTURE POWER & PORT

● Power

- Power to be supplied by 3 gas turbine generators & 1 steam turbine generator for a combined installed capacity of > 200 MW
- Fuel – LNG trucked from Ft. Nelson
- MOU signed with Ferus Natural Gas Fuels Inc. to supply LNG
- City of Whitehorse currently powered by LNG

● Port of Skagway

- Yukon Government signed MOU with Municipality of Skagway securing port space in March 2023
- Facility recently shipped Minto mine's copper concentrate
- Port in the past has shipped ore in greater amounts than planned for Casino Copper-Gold
- Port is 560 km from Casino Copper-Gold



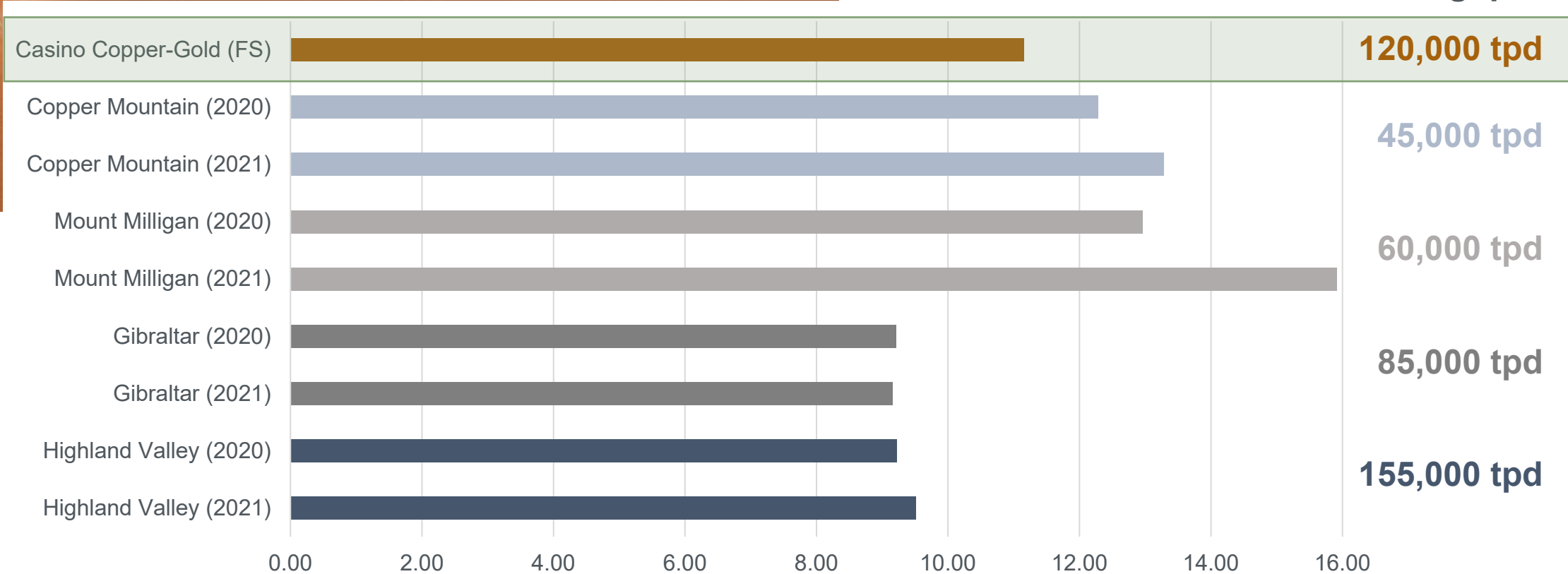
FEASIBILITY STUDY OPERATING COST

		LOM (C\$/TONNE)
MILLING OPERATION	Milling	\$6.42
	Mining	\$4.28
	General & Administrative	\$0.46
	Total	\$11.16
HEAP LEACH OPERATION	Heap Leach Operation	\$1.93
	ADR/SART	\$4.80
	Total	\$6.73



COMPARABLE OPEX

Mill Throughput

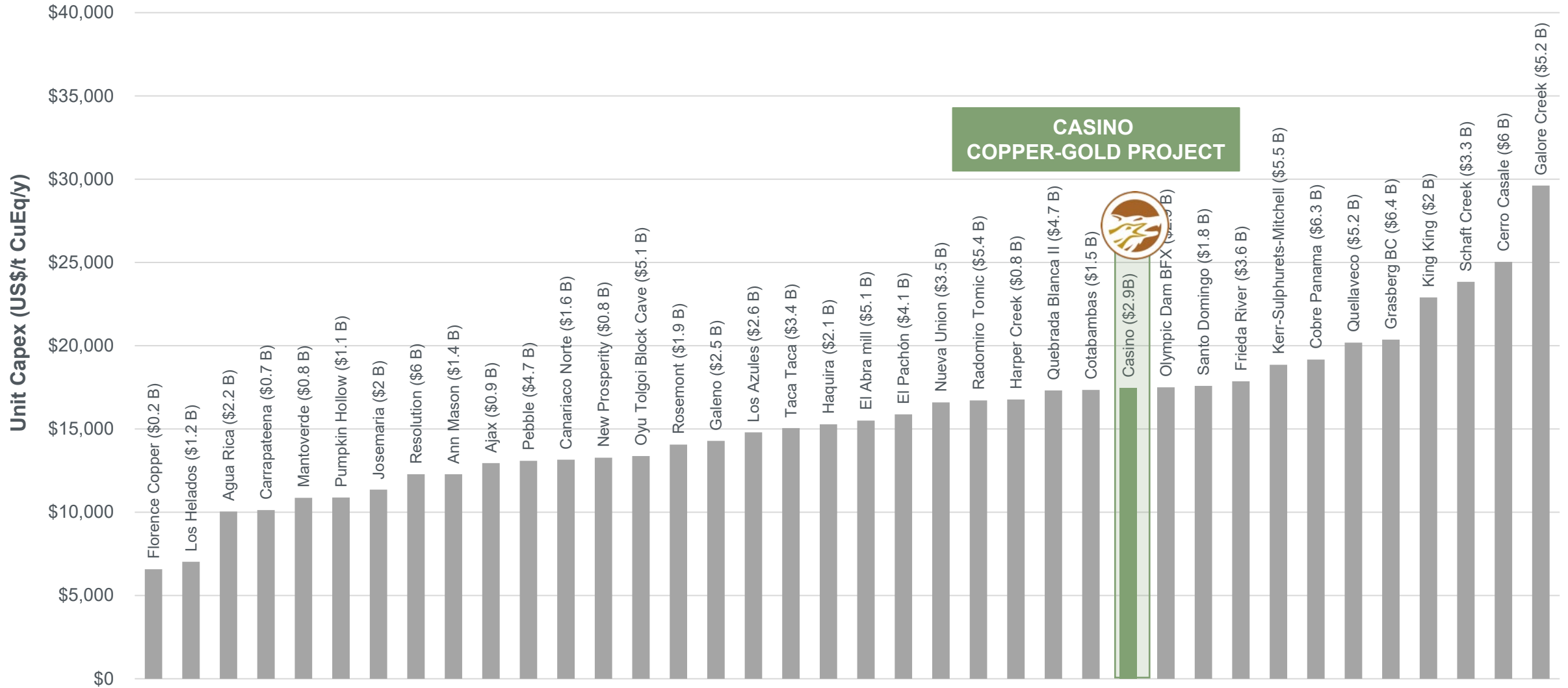


SITE OPERATING COSTS PER TONNE MILLED (C\$)

Note: Based on Casino Copper-Gold 2022 FS at base case metal prices. See "Notes" in Appendix. Other Mining Operating Costs source: S&P Global.



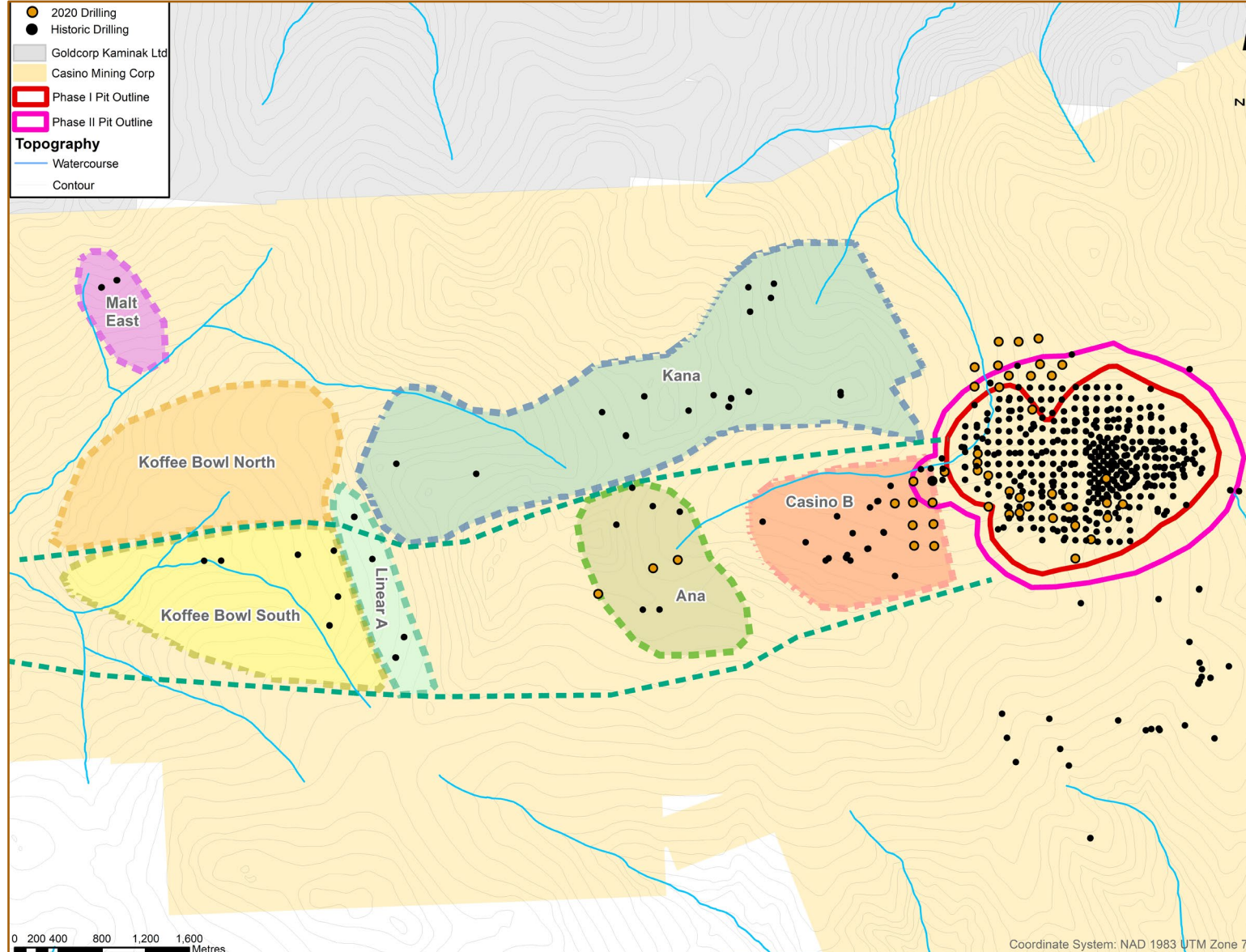
COMPARABLE CAPEX



Source: Goldman Sachs Global Investment Research (October 2018) & Company Records



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2022 CASINO COPPER-GOLD RESOURCE

MILL RESOURCE (\$6.11/t NSR CUTOFF)

Class	Mt	NSR (C\$/t)	Copper (%)	Gold (g/t)	Moly (%)	Silver (g/t)	CuEq (%)	Copper (M lb)	Gold (M oz)	Moly (M lb)	Silver (M oz)
Measured	144.9	40.09	0.30	0.38	0.024	2.1	0.64	953	1.8	75.2	9.6
Indicated	2,114.2	20.34	0.14	0.16	0.015	1.4	0.29	6,493	11.1	716.0	93.5
M+I	2,259.0	21.60	0.15	0.18	0.016	1.4	0.31	7,446	12.9	791.2	103.1
Inferred	1,371.5	15.41	0.10	0.14	0.009	1.1	0.21	3,029	6.1	286.0	50.5

HEAP LEACH RESOURCE (\$6.61/t NSR CUT-OFF)

Class	Mt	NSR (C\$/t)	Copper (%)	Gold (g/t)	Silver (g/t)	AuEq (g/t)	Copper (M lb)	Gold (M oz)	Silver (M oz)
Measured	43.3	23.79	0.05	0.44	2.7	0.47	51.5	0.62	3.7
Indicated	188.4	11.47	0.04	0.21	1.7	0.23	145.4	1.27	10.4
M+I	231.7	13.77	0.04	0.25	1.9	0.27	196.9	1.88	14.1
Inferred	40.9	11.33	0.05	0.20	1.4	0.22	46.9	0.27	1.9



2022 CASINO COPPER-GOLD RESOURCE

TOTAL RESOURCE (MILL + HEAP LEACH)

Class	Mt	NSR (C\$/t)	Copper (%)	Gold (g/t)	Silver (g/t)	Copper (M lb)	Gold (M oz)	Silver (M oz)
Measured	188.2	36.34	0.24	0.40	2.2	1,005.0	2.4	13.3
Indicated	2,302.6	19.61	0.13	0.17	1.4	6,638.1	12.4	103.9
M+I	2,490.7	20.88	0.14	0.18	1.5	7,643.1	14.8	117.2
Inferred	1,412.5	15.30	0.10	0.14	1.2	3,075.5	6.3	52.3



2022 CASINO COPPER-GOLD RESERVE

MILL RESERVE											
Class	Mt	NSR (C\$/t)	Copper (%)	Gold (g/t)	Moly (%)	Silver (g/t)	CuEq (%)	Copper (M lb)	Gold (M oz)	Moly (M lb)	Silver (M oz)
Proven	140.1	38.50	0.31	0.39	0.024	2.1	0.67	944	1.8	74.9	9.4
Probable	1,076.9	23.68	0.17	0.19	0.021	1.6	0.36	4,135	6.7	497.1	55.5
P+P	1,217.1	25.38	0.19	0.22	0.021	1.7	0.40	5,079	8.5	571.9	6.9

HEAP LEACH RESERVE											
Class	Mt	NSR (C\$/t)	Gold (g/t)	Copper (%)	Moly (%)	Silver (g/t)	AuEq (g/t)	Gold (M oz)	Copper (M lb)	Moly (M lb)	Silver (M oz)
Proven	42.9	22.52	0.45	0.055	N/A	2.7	0.47	0.62	51.8	N/A	3.7
Probable	166.8	11.14	0.22	0.031	N/A	1.8	0.23	1.17	113.5	N/A	9.4
P+P	209.6	13.47	0.26	0.036	N/A	1.9	0.28	1.78	165.3	N/A	13.1



“Casino Copper-Gold Feasibility Study”

- Technical report entitled “Casino Copper-Gold Project, Form 43-101 F1 Technical Report Feasibility Study” dated June 13, 2022, a copy of which is available on the Company’s website at www.westerncopperandgold.com.
- Prepared by: Daniel Roth, P.Eng.; Laurie Tahija, MMSA-QP; Patrick Dugan, P.E.; Mike Hester, F Aus IMM; John M. Marek, P.Eng.; Carl Schulze, P.Geo.; Daniel Friedman, P.Eng; Scott Weston, P.Geo; each of whom is a qualified person pursuant to National Instrument 43-101 (“Qualified Person”)
- Mineral Resources
 - The Mineral Resources have an effective date of 29 April 2022 and the estimate was prepared using the definitions in CIM Definition Standards (10 May 2014).
 - All figures are rounded to reflect the relative accuracy of the estimate and therefore numbers may not appear to add precisely.
 - Mineral Resources that are not Mineral Reserves do not have demonstrated economic viability.
 - Mineral Resources for leach material are based on prices of US\$3.50/lb copper, US\$1,650/oz gold and US\$22/oz silver
 - Mineral Resources for mill material are based on prices of US\$3.50/lb copper, US\$1,650/oz gold, US\$22/oz silver, and US\$12.00/lb moly.
 - Mineral Resources are based on NSR cut-off of C\$6.61/t for leach material and C\$6.11/t for mill material.
 - NSR value for leach material is as follows:
 - $NSR (C\$/t) = \$15.21 \times \text{copper } (\%) + \$50.51 \times \text{gold } (g/t) + \$0.210 \times \text{silver } (g/t)$, based on copper recovery of 18%, gold recovery of 80% and silver recovery of 26%.
- NSR value for hypogene sulphide mill material is:
 - $NSR (C\$/t) = \$73.81 \times \text{copper } (\%) + \$41.16 \times \text{gold } (g/t) + \$213.78 \times \text{moly } (\%) + 0.386 \times \text{silver } (g/t)$, based on recoveries of 92.2% copper, 66% gold, 50% silver and 78.6% moly.
- NSR value for supergene mill material is:
 - $NSR (C\$/t) = \$80.06 \times \text{recoverable copper } (\%) + \$43.03 \times \text{gold } (g/t) + \$142.11 \times \text{moly } (\%) + 0.464 \times \text{silver } (g/t)$, based on recoveries of 69% gold, 60% silver and 52.3% moly. Recoverable copper = $0.94 \times (\text{total copper} - \text{soluble copper})$.
- Mineral Resources are reported in relation to a conceptual constraining pit shell in order to demonstrate reasonable prospects for eventual economic extraction, as required by the definition of Mineral Resource in NI 43-101; mineralization lying outside of the pit shell is excluded from the Mineral Resource.
- AuEq and CuEq values are based on prices of US\$3.50/lb copper, US\$1,650/oz gold, US\$22/oz silver, and US\$12.00/lb moly, and account for all metal recoveries and smelting/refining charges.
- The NSR calculations also account for smelting and refining charges and payables.

“Casino Copper-Gold Feasibility Study”

● Mineral Reserve

- The Mineral Reserve estimate has an effective date of June 13, 2022 and was prepared using the CIM Definition Standards (10 May 2014).
- Columns may not sum exactly due to rounding.
- Mineral Reserves are based on commodity prices of US\$3.25/lb Cu, US\$1,550/oz Au, US\$12.00/lb Mo, and US\$22.00/oz Ag.
- Mineral Reserves amenable to milling are based on NSR cutoffs that vary by time period to balance mine and plant production capacities. They range from a low of \$6.11/t to a high of \$25.00/t.
- NSR value for supergene (SOX and SUS) mill material is
 - $NSR (C\$/t) = \$73.63 \times \text{recoverable copper } (\%) + \$40.41 \times \text{gold } (g/t) + \$142.11 \times \text{moly } (\%) + 0.464 \times \text{silver } (g/t)$, based on recoveries of 69% gold, 52.3% molybdenum and 60% silver. Recoverable copper = $0.94 \times (\text{total copper} - \text{soluble copper})$.
- NSR value for hypogene (HYP) mill material is
 - $NSR (C\$/t) = \$67.88 \times \text{copper } (\%) + \$38.66 \times \text{gold } (g/t) + \$213.78 \times \text{moly } (\%) + \$0.386 \times \text{silver } (g/t)$, based on recoveries of 92.2% copper, 66% gold, 78.6% molybdenum and 50% silver.
- Mineral Reserves amenable to heap leaching are based on an NSR cutoff of \$6.61/t.

• NSR value for leach material is

- $NSR (C\$/t) = \$14.05 \times \text{copper } (\%) + \$47.44 \times \text{gold } (g/t) + \$0.210 \times \text{silver } (g/t)$, based on recoveries of 18% copper, 80% gold and 26% silver.
- AuEq and CuEq values are based on prices of US\$ 3.25/lb Cu, US\$1,550/oz Au, US\$12.00/lb Mo, and US\$22.00/oz Ag, and account for all metal recoveries and smelting/refining charges.
- The NSR calculations also account for smelter/refinery treatment charges and payables.

Other technical information in this presentation:

- Technical information regarding the Casino Copper-Gold Project contained in this presentation is based on the Casino Copper-Gold 2022 FS prepared by or under the supervision of the Qualified Persons noted previously.
- Copper equivalent calculations in this presentation, not associated with the Casino mineral resource or reserve, are based on: US\$3.60/lb copper; US\$1,700/oz gold; US\$14/lb molybdenum; and US\$22/oz silver with no accounting for metallurgical recovery.





western
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