TROILUS

Advancing one of
North America's largest
undeveloped gold-copper
deposits towards production

A Generational Scale Asset in a Tier-1 Jurisdiction

January 2025

TSX: TLG
OTCQX: CHXMF
FSE: CM5R









CAUTIONARY LANGUAGE, QP STATEMENTS AND LEGAL DISCLAIMERS

The mineral reserve estimate disclosed herein has an effective date of January 15, 2024, and is based on the mineral resource estimate dated October 2, 2023, for Troilus Gold by AGP Mining Consultants Inc. The Mineral Reserve estimate was completed under the supervision of Willie Hamilton, P.Eng. of AGP, who is a Qualified Person as defined under NI 43-101. Mineral Reserves are stated within the final pit designs based on a US\$1,550/oz gold price, US\$20.00/oz silver price and US\$3.50/lb copper price. An NSR cut-off of C\$9.96/t was used to define reserves. The life-of-mine mining cost averaged C\$3.99/t mined, preliminary processing costs were C\$8.02/t ore and G&A was C\$1.94/t ore placed. The metallurgical recoveries were varied according to gold head grade and concentrate grades. 87 pit recoveries for equivalent grades were 95.5%, 94.7% and 98.2% for gold, copper, and silver respectively. J pit recoveries for equivalent grades were 93.1%, 89.3% and 88.9% for gold, copper, and silver respectively. X22 pit recoveries for equivalent grades were 95.5%, 94.7% and 98.2% for gold, copper, and silver respectively. SW pit recoveries for equivalent grades were 85.7%, 91.5% and 85.6% for gold, copper, and silver respectively. The formulas used to calculate equivalent values are as follows, for 87 Pit AuEq = Au + 1.5361*Cu +0.0133 *Ag, for J Pit AuEq = Au + 1.4849*Cu +0.0123 *Ag, for SW Pit AuEq = Au + 1.6535*Cu +0.0129 *Ag, for X22 Pit AuEq = Au + 1.5361*Cu +0.0133 *Ag. Please refer to the identified risks in the Company's Annual Information Form available under the Company's profile at www.sedarplus.ca for known legal, political, environmental, and other risks that could materially affect the potential development of the mineral resources and mineral reserves.

The completed NI 43-101 technical report associated with the Troilus Project FS will be available on SEDAR+ at www.sedarplus.ca under the Company's issuer profile, as well as the Company's website at www.troilusgold.com within 45 calendar days.

This presentation reflects the technical information presented in the May 14, 2024, press release. Nicolas Guest, P.Geo., Exploration Manager at Troilus Gold, and Kyle Frank, P.Geo., VP Exploration at Troilus Gold, both of whom are Qualified Persons as defined by NI 43-101, have reviewed and approved the written disclosure in this presentation.

Feasibility Study Consultants: The Troilus Project Feasibility Study was prepared and compiled by AGP Mining Consultants Inc. ("AGP") and supported by independent consulting firms, Lycopodium Limited ("Lycopodium") and WSP Canada Inc. ("WSP"), in collaboration with Troilus' technical team. Qualified Persons for the Feasibility Study press release announced on May 14, 2024: The FS is prepared by independent representatives of AGP, Lycopodium and WSP, each of whom are Qualified Person as defined by NI 43-101 Standards of Disclosure for Mineral. Each of the QPs are independent of Troilus Gold Corp. and have reviewed and confirmed that this news release fairly and accurately reflects, in the form and context in which it appears, the information contained in the respective sections of the Troilus FS for which they are responsible. The affiliation and areas of responsibility for each QP involved in preparing the Troilus FS are provided below. AGP QPs: Paul Daigle, P.Geo. - Mineral Resources estimate; Willie Hamilton, P.Eng. - Mineral Reserves, Mine design and scheduling; Gordon Zurowski, P.Eng - Mine Costing and financial analysis; Lycopodium QPs: Ryda Peung, P.Eng. - Metallurgical review, process design and operating cost estimate; Balvinder Singh, P. Eng. - Capital cost estimates; Zuned Shaikh, P. Eng. - Design and material take off for the process plant related infrastructure. WSP QPs: Vlad Rojanschi, P.Eng. - Design and material takeoff for the Tailings Storage Facility; Pierre Primeau, P.Eng. - Design and costs for TSF water treatment for suspended solids removal, and selected surface water conveyance pipelines and pumping; Marc Rougier, P.Eng. - Mine geotechnical aspects of open pits slopes design.

Cautionary Note regarding forward looking information

This presentation contains "forward-looking statements" within the meaning of applicable Canadian securities legislation. Forward-looking statements include, but are not limited to, statements regarding the results of the FS, including, without limitation various project economics, financial and operational parameters such as the timing and amount of future production from the Project, expectations with respect to the IRR, NPV, payback and costs of the Project, anticipated mining and processing methods of the Project; proposed infrastructures, anticipated mine life of the Project, expected recoveries and grades, timing of future studies including the environmental assessments (including the timing of an environmental impact study) and development plans, opportunity to expand the scale of the project, the project becoming a cornerstone mining project in Noth America; the development potential and timetable of the project; the estimation of mineral resources and reserves; realization of mineral resource and reserve estimates; the timing and amount of estimated future exploration; costs of future activities; capital and operating expenditures; success of exploration activities; the anticipated ability of investors to continue benefiting from the Company's low discovery costs, technical expertise and support from local communities, the timing and amount of estimated future exploration; and the anticipated results of the Company's 2024 drill program and their possible impact on the potential size of the mineral resource estimate. Generally, forward-looking statements can be identified by the use of forward-looking terminology such as "plans", "expects" or "does not expect", "is expected", "budget", "scheduled", "estimates", "forecasts", "intends", "continue", "anticipates" or "does not anticipates", or "believes", or variations of such words and phrases or statements that certain actions, events or results "may", "could", "would", "will.", "might" or "will be taken", "occur" or "be achieved". Forward-looking stateme

and other important facts that, if untrue, could cause the actual results, performances or achievements of Troilus to be materially different from future results, performances or achievements expressed or implied by such statements. Such statements and information are based on numerous assumptions regarding present and future business strategies and the environment in which Troilus will operate in the future. Certain important factors that could cause actual results, performances or achievements to differ materially from those in the forward-looking statements include, amongst others, currency fluctuations, the global economic climate, dilution, share price volatility and competition. Forward-looking statements are subject to known and unknown risks, uncertainties and other important factors that may cause the actual results, level of activity, performance or achievements of Troilus to be materially different from those expressed or implied by such forward-looking statements, including but not limited to: there being no assurance that the exploration program or programs of the Company will result in expanded mineral resources; risks and uncertainties inherent to mineral resource and reserve estimates; the high degree of uncertainties inherent to feasibility studies and other mining and economic studies which are based to a significant extent on various assumptions; variations in gold prices and other metals, exchange rate fluctuations; variations in cost of supplies and labour: receipt of necessary approvals; availability of financing for project development; uncertainties and risks with respect to developing mining projects; general business, economic, competitive, political and social uncertainties; future gold and other metal prices; accidents, labour disputes and shortages; environmental and other risks of the mining industry, including without limitation, risks and uncertainties discussed in the Company's latest Annual Information Form, its technical reports and other continuous disclosure documents of the Company available under the Company's profile at www.sedarplus.ca. Although Troilus has attempted to identify important factors that could cause actual results to differ materially from those contained in forward-looking statements, there may be other factors that cause results not to be as anticipated, estimated or intended. There can be no assurance that such statements will prove to be accurate, as actual results and future events could differ materially from those anticipated in such statements. Accordingly, readers should not place undue reliance on forward-looking statements. Troilus does not undertake to update any forward-looking statements, except in accordance with applicable securities laws.

Non-IFRS Financial Measures

The Company has included certain non-IFRS financial measures or ratios in this presentation, such as Initial Capital Cost, All-In Sustaining Cost, Sustaining Capital and Capital Intensity, which are not measures recognized under IFRS and do not have a standardized meaning prescribed by IFRS. As a result, these measures may not be comparable to similar measures reported by other corporations. Each of these measures used are intended to provide additional information to the user and should not be considered in isolation or as a substitute for measures prepared in accordance with IFRS.

Non-IFRS financial measures used in this news release and common to the gold mining industry are defined below. As construction and operation of the Project are at the study stage, the Company does not have historical non-IFRS financial measures nor historical comparable measures under IFRS, and therefore the foregoing prospective non-FRS financial measures or ratios may not be reconciled to the nearest comparable measures under IFRS.

All-in Sustaining Costs ("AISC") and AISC per Ounce

AISC is reflective of all of the expenditures that are required to produce an ounce of gold from operations. AISC reported in the FS includes total cash costs, sustaining capital, expansion capital and closure costs, but excludes corporate general and administrative costs and salvage. AISC per Ounce is calculated as AISC divided by payable gold ounces and copper/silver credits.

Cautionary Note to U.S. Investors Concerning Estimates of Mineral Resources

Mineral resource estimates have been prepared in accordance with the requirements of Canadian securities laws, which differ from the requirements of U.S. securities laws. The terms "mineral resource", "measured mineral resource", "indicated mineral resource" and "inferred mineral resource" are defined in NI 43-101 and recognized by Canadian securities laws but are not defined terms or recognized under U.S. securities laws. U.S. investors are cautioned not to assume that any part or all of mineral deposits in these categories will ever be upgraded to mineral resources. "Inferred mineral resources" have a great amount of uncertainty as to their existence, and great uncertainty as to their economic and legal feasibility. It cannot be assumed that all or any part of an "inferred mineral resource" will ever be upgraded to a higher category. Under Canadian securities laws, estimates of "inferred mineral resources" may not form the basis of feasibility or pre-feasibility studies. U.S. investors are cautioned not to assume that all or any part of an inferred mineral resource exists or is economically or legally mineable. Accordingly, these mineral resource estimates and related information 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.



We are responsibly advancing the past-producing gold-copper Troilus Project towards production.

One of the largest undeveloped gold equivalent deposits in North America

Largest permitting-stage copper project in Quebec

*3rd largest undeveloped copper deposit

VALUE PROPOSITION:

A Generational Scale Asset in a Tier-1 Jurisdiction.



Favourable Mining Jurisdiction

#5

Quebec ranked #5 globally by the Fraser Institute in 2023



Quality Brownfield Site

1996-2010

Past-producing mine; extensive inherited and upgraded infrastructure



Feasibility Study:
Generational Scale Asset

22-year

303,000 oz

Mine Life

Avg. Annual AuEq Production (LOM)

\$1.56B

536,400 oz

\$1,109/oz Au

Base Case Pre-Tax NPV_{5%} Peak Annual AuEq Production (Year 7)

18%

LOM Avg. AISC

Pre-Tax IRR

Large Mineral Resource

11.2 Moz AuEq (Ind.)

1.80 Moz (Inf.)*. Among the largest undeveloped Au-Cu deposits in N.A.



ESG Leadership

Certified

ECOLOGO certified & UNGC member; Aiming for carbonneutral operation

OUR JOURNEY FROM DISCOVERY TO PRODUCTION

KEY MILESTONES IN A DECADE OF RAPID DEVELOPMENT













US\$1.3 BILLION IN LOIS FOR TROILUS PROJECT DEVELOPMENT

A strong foundation for a multi-faceted financing structure from leading global export credit agencies



GLOBAL RECOGNITION AS A HIGHLY FINANCEABLE COPPER - GOLD PROJECT

UP TO US\$300M



LOI from Canadian-led ECA

aligned with its Critical

Funding subject to EDC's

rigorous due diligence

Minerals Strategy

UP TO US\$500M



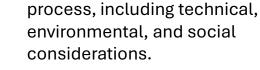
- LOI backed by Germany's
 Federal Ministry for Economic
 Affairs and Climate Action
- Supports critical mineral development aligned with Europe's sustainable energy transition goals

UP TO US\$500M





- Combined US\$500 million: US\$300M from Finland's Finnvera plc and US\$200M from Sweden's EKN under Sweden's Raw Material Guarantee
- Contingent on strategic partnerships with Finnish equipment suppliers and a 10-year offtake agreement with Boliden
- Builds on historical relationships, with concentrate from Troilus historically refined in Scandinavian smelters





TIER-ONE MINING JURISDICTION OF QUEBEC, CANADA



Strong collaborative efforts between Governments and mining industry to support mineral development



Quebec is ranked 5th globally on the mining "Investment Attractiveness Index"*



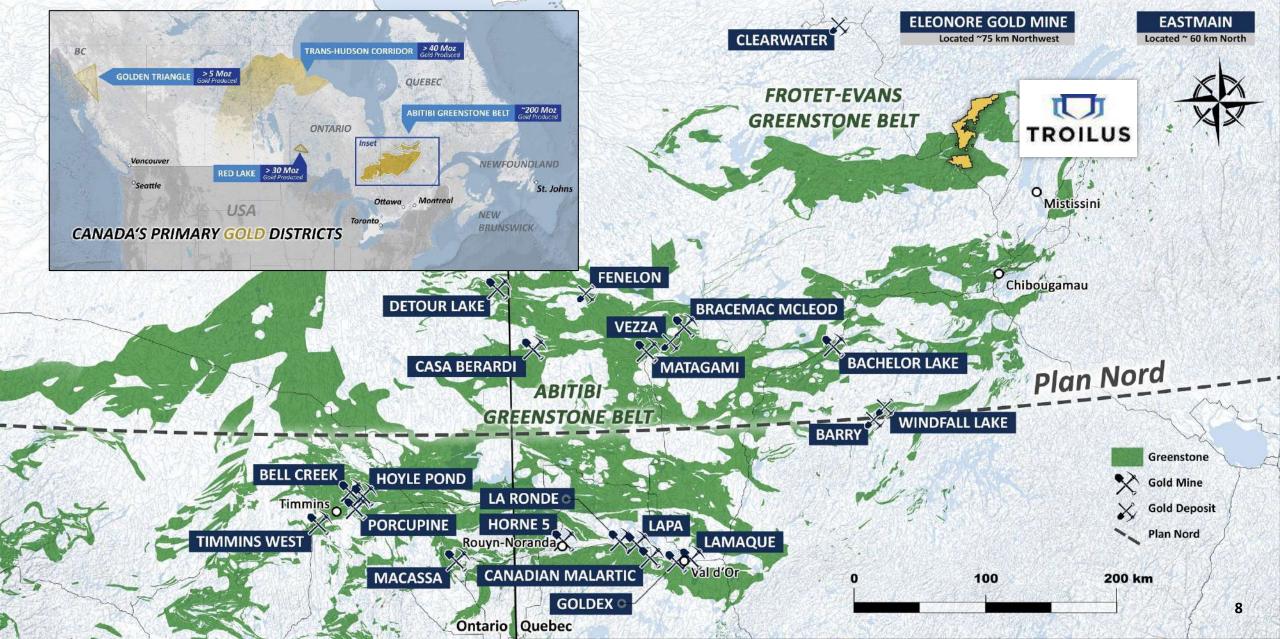
Established regulatory and permitting framework



Access to experienced mining labour, suppliers & contractors



LOCATED IN ONE OF THE WORLD'S RICHEST GOLD REGIONS



FEASIBILITY STUDY RESULTS

THE TROILUS PROJECT

One of Canada's largest future gold-copper operations. A generational scale asset in a Tier-1 jurisdiction.

22 years

MINE LIFE

536,400oz

PEAK ANNUAL AVG AUEQ PRODUCTION 303,000oz

AVG ANNUAL AUEQ PRODUCTION LOM

6.7Moz

TOTAL RECOVERED OUNCES AuEq



FEASIBILITY STUDY HIGHLIGHTS

*All figures in US\$ unless stated otherwise

22 years

MINE LIFE

303,000 oz

ANNUAL PRODUCTION
Avg. LOM

AuEq

135.4Mlbs

ANNUAL PRODUCTION
Avg. LOM

CuEq

\$1.08B

INITIAL CAPEX

5.7-year PAYBACK

\$1,109/oz

LOM Avg. AISC

BASE CASE

Au: \$1,975/oz | Cu: \$4.05/lb | Ag: \$23/oz

PRE-TAX

\$1.56B

18%

N P V _{5%}

IRR

AFTER-TAX

\$885M

14%

IRR

5.7 years

AFTER-TAX PAYBACK

FEASIBILITY STUDY SUMMARY

*All figures in US\$ unless stated otherwise

\$150M FCF

Avg. Annual LOM @ Base Case

6.7 Moz AuEq

Total Recovered LOM

536,400 oz AuEq
Peak Annual Avg. Production

PRODUCTION	
Average Annual Total Production	303,000oz AuEq
Average Annual Gold Production	244,600 oz
Average Annual Copper Production	17.3 M lbs
Average Annual Silver Production	446,700 oz
Mill Throughput	50,000 tpd
Probable Reserves (AuEq)	380Mt (7.26Moz @ 0.59 g/t)
Mine Life	22 years
Strip Ratio	3.1:1

COSTS	
Total cost per tonne of ore	\$19/t Au
All-In-Sustaining Costs (AISC)	\$1,109/oz Au
Initial CAPEX	\$1.08B
Sustaining CAPEX	\$276.6M

PRODUCTION PROFILE: GOLD EQUIVALENT

314,200oz

YEARS 1-5

300,000oz

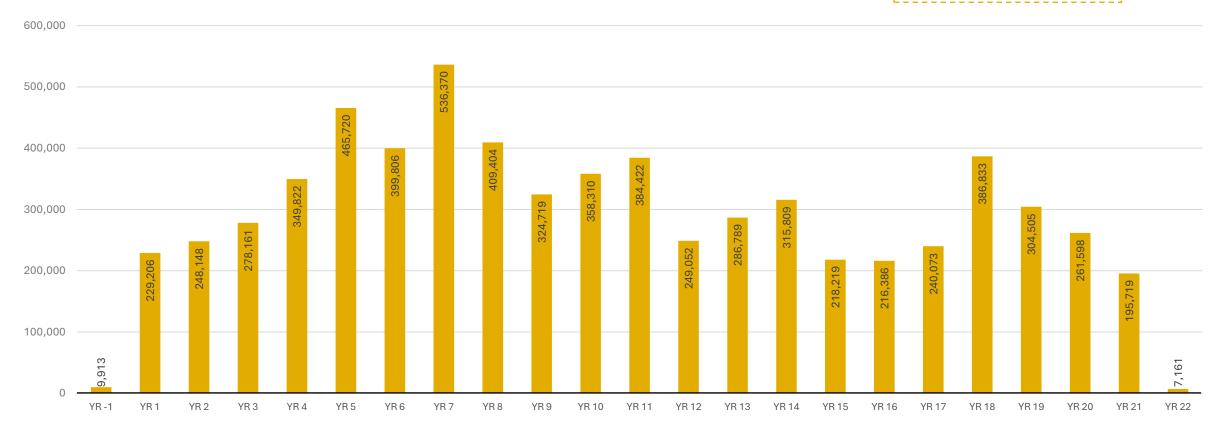
YFARS 6-22

303,000oz

Avg. LOM

0.59 g/t

Avg. GRADE



PRODUCTION PROFILE: Au, Cu, Ag

Average Annual Production

256,200oz Au 16.1 Mlbs Cu 475,200oz Ag 241,200oz Au 17.7 Mlbs Cu 438,300oz Ag

YFARS 6-22

244,600oz Au 17.3 Mlbs Cu 446,700oz Ag

700,000 \$4.6B BASE CASE 30 600,000 **GROSS CASH FLOW** (PRE-TAX, 25 500,000 400,000 300,000 200,000 100,000 YR 9 YR 10 YR 11 YR 12 YR 13 YR 14 YR 15 YR 16 YR 17 YR 18 YR 19 YR 20 YR 21 YR 22

TOTAL METAL RECOVERED LOM

6.7

3.0

Moz Au Eq Blbs CuEq

5.4

Moz GOLD

382

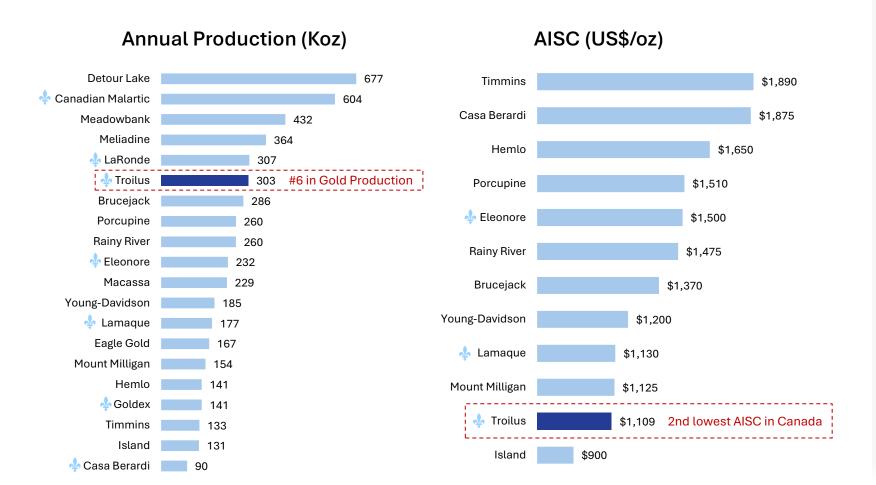
Mlbs COPPER

9.9

Moz SILVER

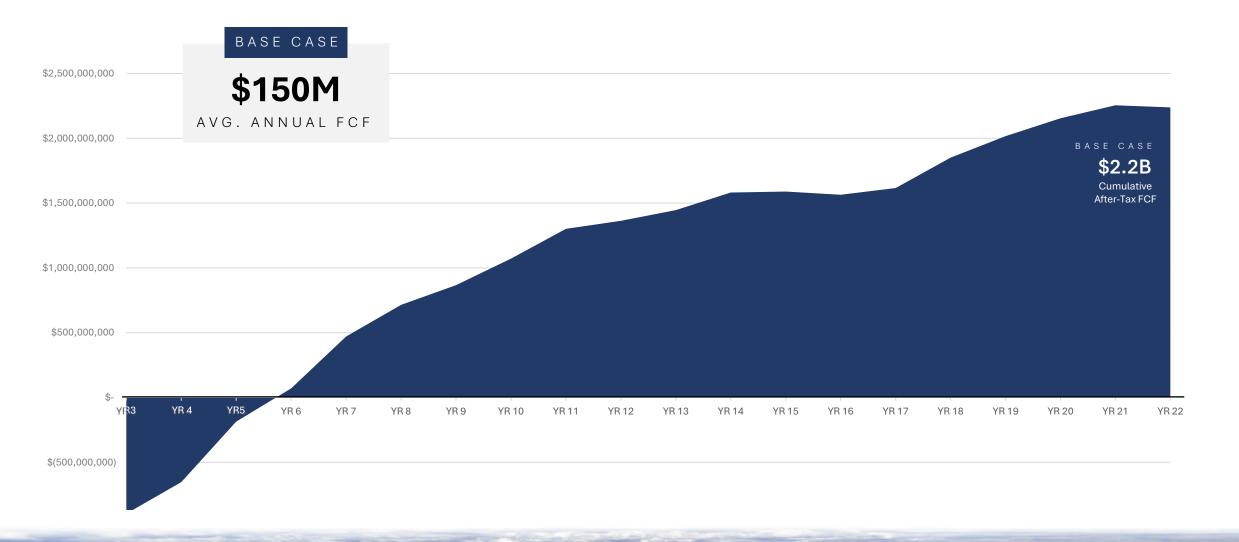
PROJECT POSITIONING - CANADA

2024 Forecasted Production and AISC of Active Gold-producing Assets 1

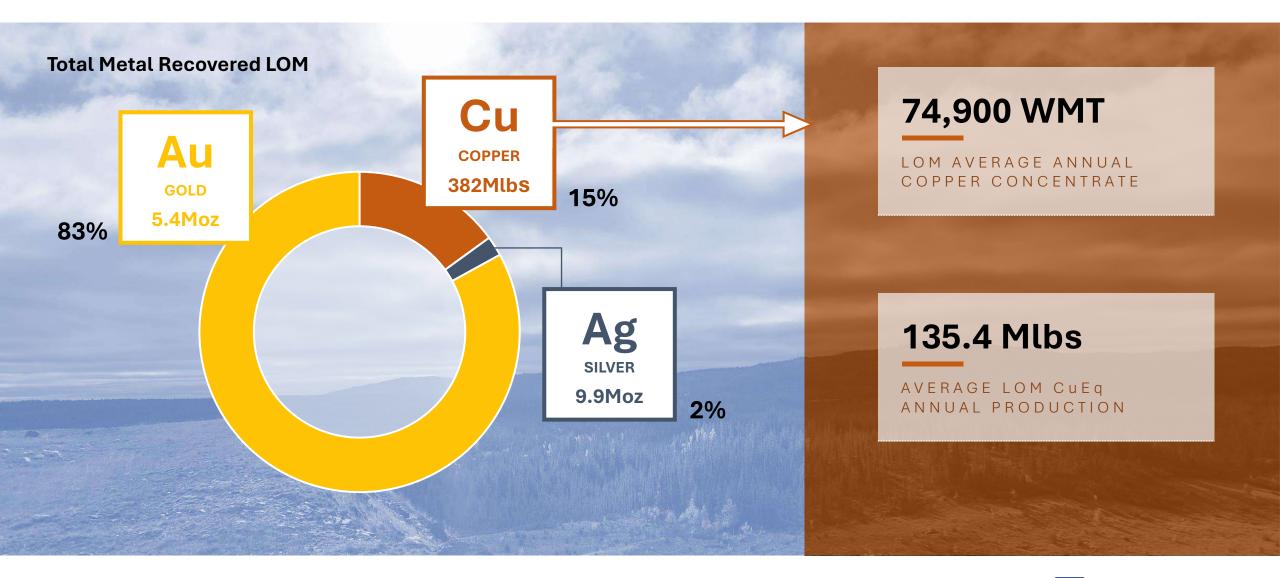




CUMULATIVE FREE CASH FLOW

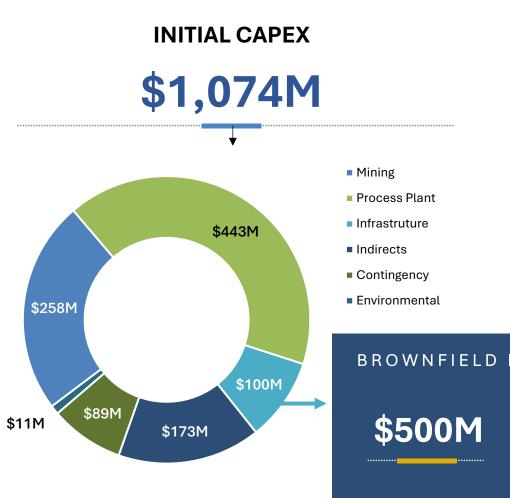


STRATEGIC METAL EXPOSURE: COPPER



CAPEX

Initial and Sustaining



SUSTAINING CAPEX

\$276.6M

\$209.1M SUSTAINING CAPITAL

\$67.5M CLOSURE COSTS

BROWNFIELD PROJECT ADVANTAGE

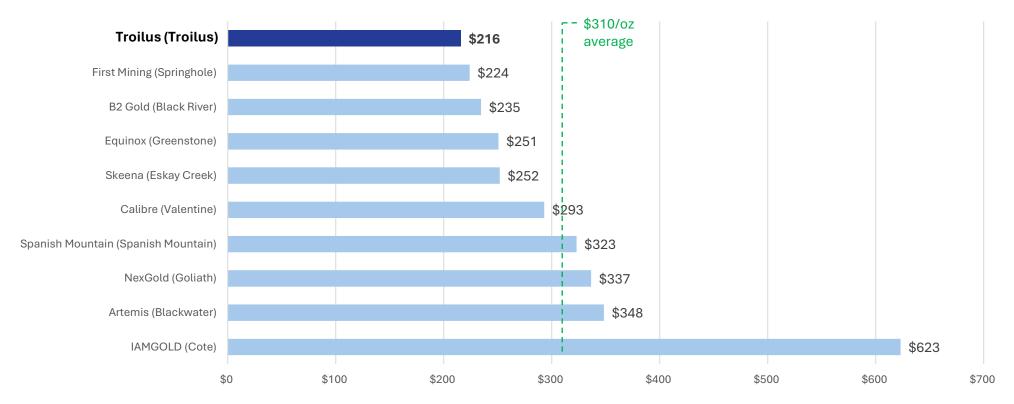
Value of existing installed and upgraded infrastructure from former Troilus mine (1996-2010)



TROILUS'S COMPETITIVE EDGE IN CAPEX EFFICIENCY

The Troilus Project stands out for its low capital intensity, with a CAPEX/oz well below the average of comparable development-stage projects in Canada.

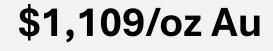
Total CAPEX/Total AuEq Production (US\$/oz)



OPERATING COSTS

Average LOM

AISC



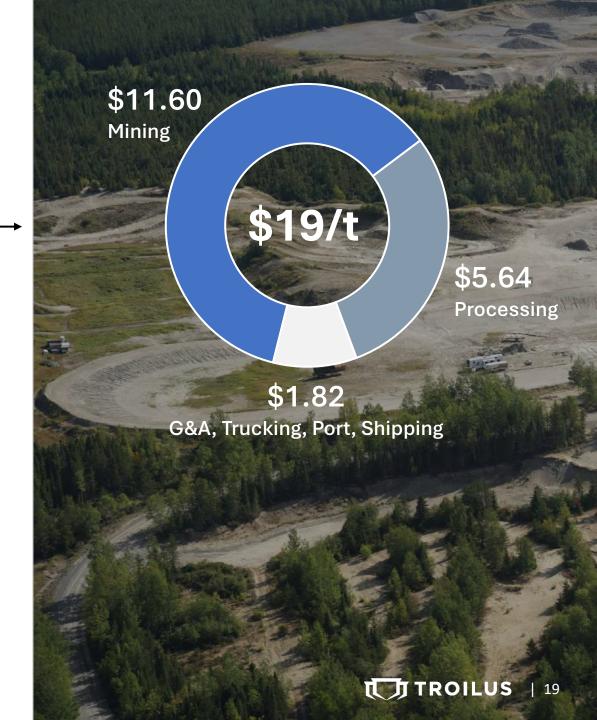
\$19.06/t

OPERATING COST/t ORE

1st quartile AISC among the major Canadian gold mines



2023 Paid Gold Ounces in (000s)

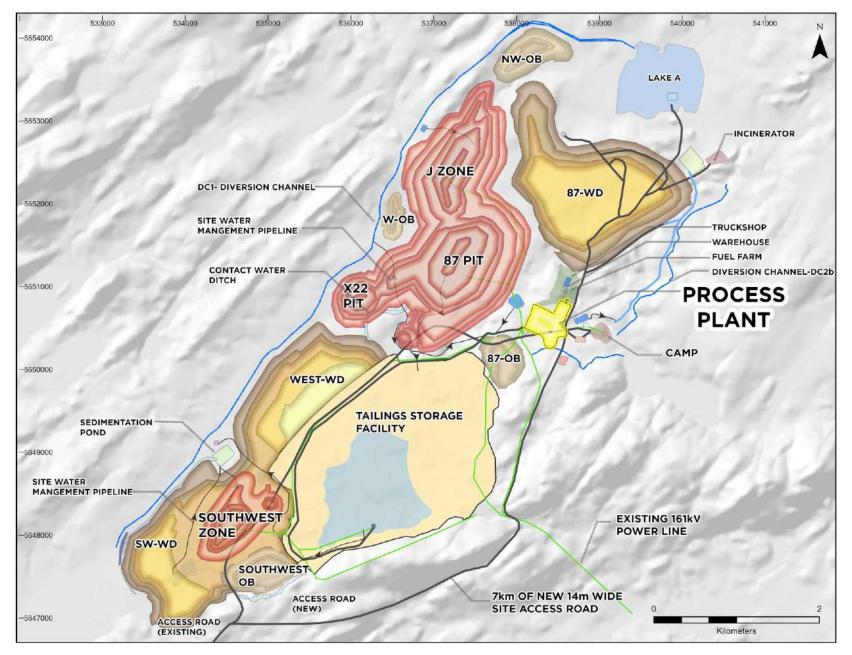


+US\$500M OF INHERITED VALUE

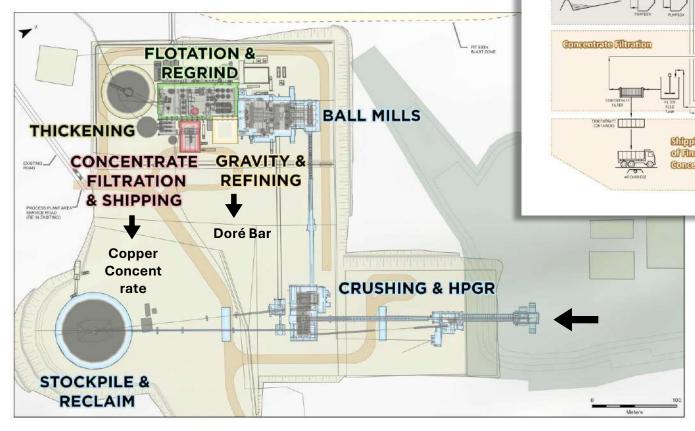


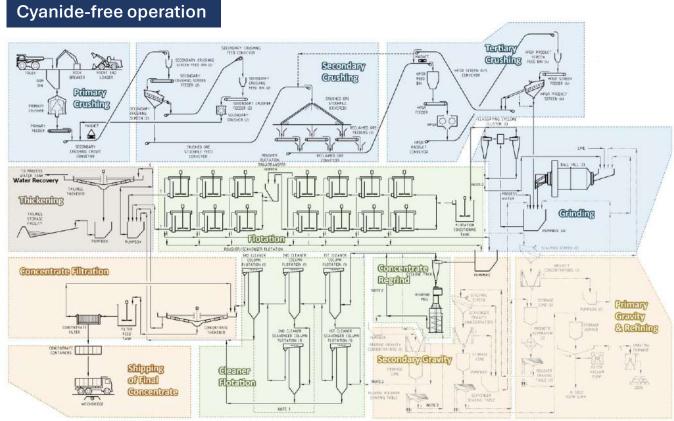
MINE SITE LAYOUT

ULTIMATE PIT SIZES AT YEAR 22



PROCESS FLOWSHEET & PROCESS PLANT





PROCESS PLANT - 3D RENDERING STOCKPILE & RECLAIM CONCENTRATE THICKENING FILTRATION & SHIPPING **CRUSHING & GRAVITY & HPGR** REFINING FLOTATION & REGRIND **BALL MILLS**

LONGITUDINAL SECTION: RESOURCES & RESERVES

2023 Resource Pits & 2024 Reserve Pits

RESOURCES

INDICATED

INFERRED

508.3Mt

80.5Mt

11.21Moz AuEq

1.80Moz AuEq

0.69 g/t AuEq

0.69 g/t AuEq

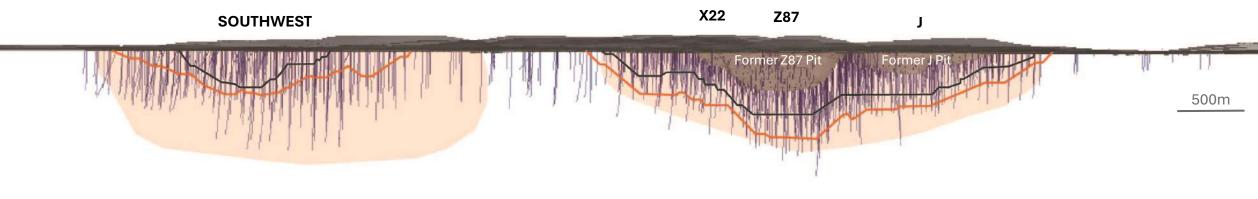
RESERVES

PROBABLE

380Mt

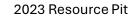
7.26Moz AuEq

0.59 g/t AuEq





2018-2023 Drilling





2024 Reserve Pit



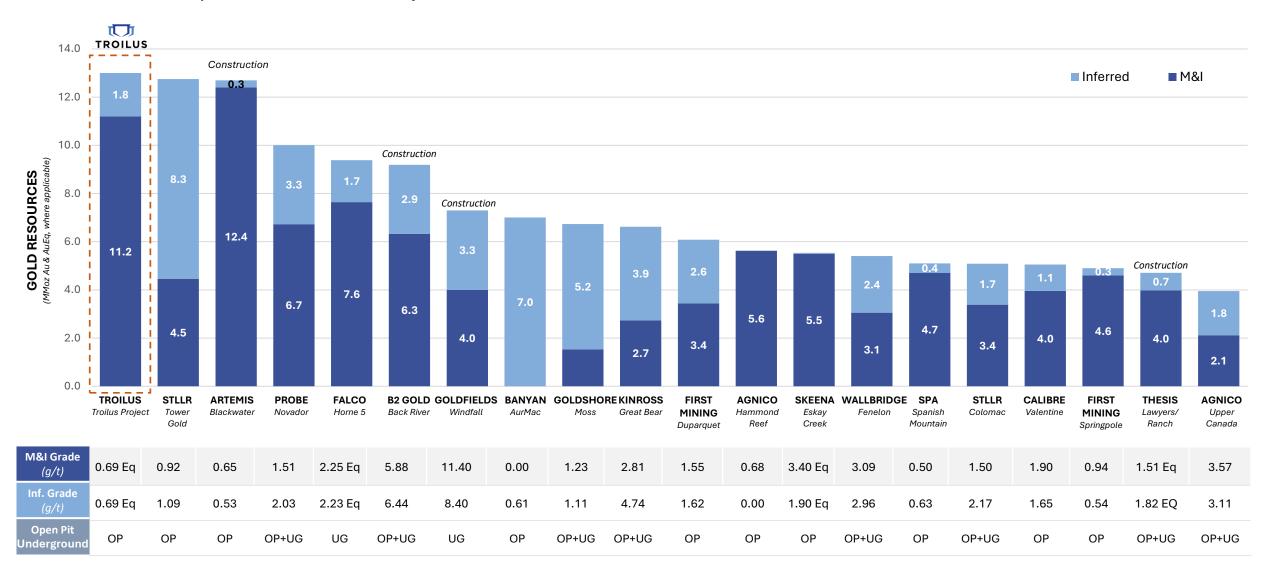
2023 Mineralization Envelope

MINERAL RESOURCE GROWTH 11.21 Moz AuEq OP + UG: 2016-2023 **Acquisition** of Troilus 4.96 4.71 Moz AuEq Moz AuEq 3.92 Moz AuEq 3.15 Moz AuEq 2.05 1.80 1.76 Moz AuEq 1.17 Moz AuEq Moz AuEq 0.70 Moz AuEq Moz AuEq 2016 2018 2019 2020 2023 Tonnage (Mt) 44.0 121.7 159.1 177.3 508.3 0.92 AuEq* Grade (g/t) 1.45 1.00 0.87 0.69 Tonnage (Mt) 18.7 36.1 52.7 116.7 80.5 AuEq* Grade (g/t) 1.16 1.01 1.04 0.84 0.69 2016: INHERITED RESOURCE 2023: SIGNIFICANT MINERAL GROWTH AT SURFACE J pit Z87 pit Southwest J Zone **Z87S South** Z87



ONE OF CANADA'S LARGEST UNDEVELOPED AU-CU DEPOSITS

Select Undeveloped Canadian Gold Projects



CLOSING THE VALUE GAP: TROILUS VS. ARTEMIS

*As represented by the Lassonde Curve showing the typical lifecycle of a mineral discovery

	ARTEMIS Blackwater Mine BC, Canada	TROILUS Troilus Project QC, Canada	TROILUS VS ARTEMIS				First gold p	on 95% complete our in Q4 2024 p: \$3.16 billio r	
M&I	596Mt 14.4Moz AuEq 0.75 g/t AuEq	508.3Mt 11.2Moz AuEq 0.68 g/t AuEq	-14% -22% -9%	_					HIGH
Inferred	20Mt 0.4Moz AuEq 0.61 g/t AuEq	76.5Mt 1.2Moz AuEq 0.65 g/t AuEq	+285% +200% +7%	_	Feasibility Study co 2024 Construction Pe				VALUE
Avg. Annual Production	468	285	-40%		Market Cap:	\$110 million			
									Low
Life Cycle									VALUE
Timeline	CONCEPT	PRE-DISC	OVERY	DISCOVERY	FEASIBILITY	DEVELOPMENT	STARTUP	DEPLETION	

MULTIPLE REGIONAL TARGETS TO SUPPORT GROWTH STRATEGY

1 ALLONGÉ

110 g/t Au grab sample (2018)

2 BEYAN / CRESSIDA

Drill results:Grab Samples:1.62 g/t Au/ 34m12 g/t Au1.23 g/t Au/ 21m9.7 g/t Au1.11 g/t Au/ 19.3m32.5 g/t Ag1.0 g/t Au/ 44.6m

3 TESTARD / BULLSEYE

Drilling Results: Grab Samples
10.14 g/t Au/ 1.8m
4.6 g/t Au/ 7.6m
incl. 20.2 g/t Au/ 1.2m
6.7 g/t Au/ 3.2m

Channel Samples
Grab Samples
Highlights:
203 g/t Au
2,440 g/t Ag
1,020 g/t Ag
6.02% Cu

Channel Samples:

19.5 g/t Au over 0.5m 19.3 g/t Au over 0.5m 12.2 g/t Au over 1.3m

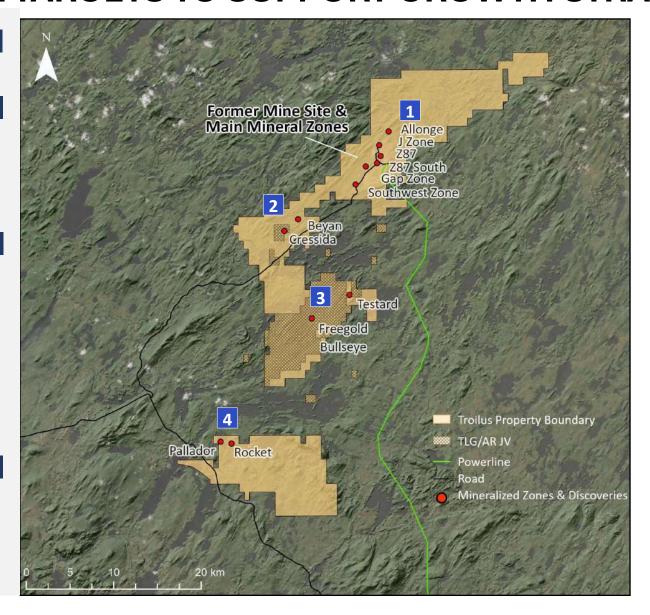
PALLADOR & ROCKET

Drill Highlights:

4.74g/t Au/ 2.5m, incl. 19.24 g/t Au/ 0.5m

Boulder Grab Samples:

Up to 102 g/t gold



CAPITAL STRUCTURE







CASH & MARKETABLE SECURITIES

C\$29.2 million

As of FQ1 ending October 31, 2024

TSX SHARE PRICE (January 6th, 2024)

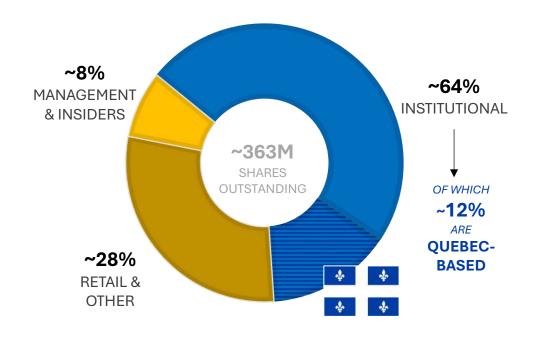
52-week high/low \$0.25-\$0.85

Market Cap. ~\$110 million

CAPITAL STRUCTURE (As of October 18th, 2024)

Shares Outstanding	362,919,414
RSUs	13,883,101
Warrants	37,300,035
Options	Nil
Fully Diluted	414,102,550

SHAREHOLDER DISTRIBUTION



TOP INSTITUTIONAL SHAREHOLDERS

~40% collectively owned by:

Equinox | Franklin | Caisse de Depot, Qc | Investissement Quebec (IQ) | Konwave | Sprott | Ixios | Ruffer

ANALYSTS

Cormark

Richard Gray

Desjardins

Allison Carson

Haywood

Pierre Vaillancourt

Sprott Capital Partners

Brandon Gaspar

Velocity Trade Capital

Paul O'Brien

LEADERSHIP TEAM IN PLACE TO ADVANCE TROILUS MINE RESTART

SENIOR MANAGEMENT



Justin Reid CEO, Director



lan Pritchard
SVP Technical
Services



Brianna Davies

SVP Legal &

Corporate Secretary



Susanna Milne *CFO*



Kyle Frank
VP Exploration



Catherine Stretch
VP Corporate Affairs
& Sustainability



Andy Fortin
VP Operations &
General Manager
of Troilus Mine



Daniel Bergeron
VP Special Projects



Jacqueline Leroux VP Environment, Permitting



Caroline Arsenault
VP Corporate
Communications



Nicolas Guest
Exploration Manager

BOARD OF DIRECTORS

Chantal Lavoie, Eng., P. Eng., ICD.D *Chairperson*

Former COO of Iron Ore Company of Canada, with + 35 years in mining operations and executive leadership; previously held senior roles at Barrick and De Beers

Diane Lai, ICD.D, MBA

Seasoned executive and entrepreneur with +20 yrs of global marketing experience

François Biron, B. Sc. A.

+40 years of experience as a professional mining engineer: Former GM of the Troilus mine

Brigitte Berneche, CPA, CA

+15 yrs of experience in the mining sector and large accounting firms specializing in corporate tax

Hon. Pierre Pettigrew, p.c.

Former Minister of Foreign Affairs to three Prime Ministers; current Executive Advisor at Deloitte

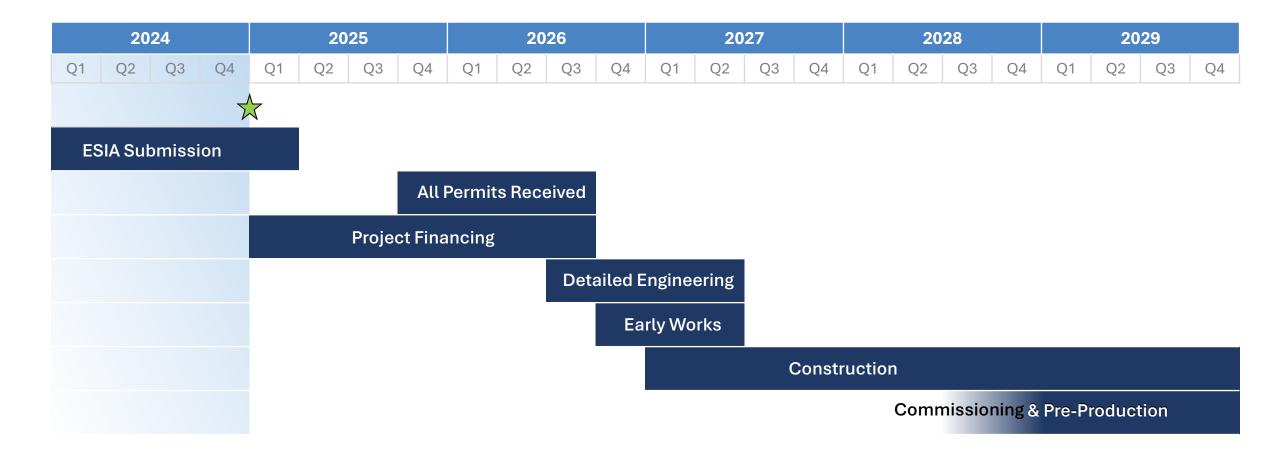
Thomas Olesinski, CPA, CMA

20 years of finance and management experience; former forensic accountant

Justin Reid, M.Sc., MBA

Geologist and capital markets executive with +20 yrs of experience in the mineral resource space

PATH TO PRODUCTION



DEWATERING OF THE J4 PIT











INITIATED AUGUST 2024 | +2.17M m³ DISPLACED TO DATE

Key step in the redevelopment of Troilus

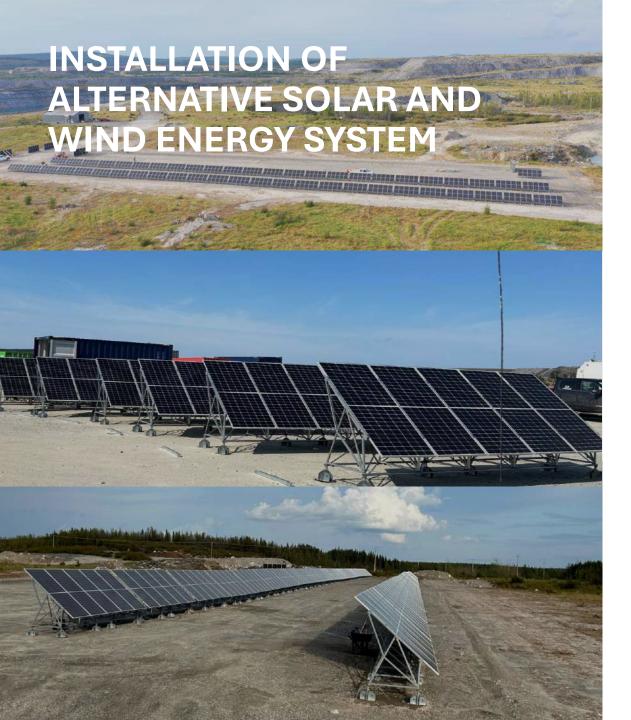
- J4 dewatering = ~6 months
- Three 140Hp pumps currently operating
- Dewatering of Z87 pit expected to start in 2025

Responsible process management

- Electricity is generated from renewable hydroelectric sources, maintaining a minimal carbon footprint
- Water treatment facility has been upgraded to comply with government targets on water quality before release to the local environment
- Continuous water monitoring

Stakeholder Engagement

- Troilus submitted an EIA to the MELCC requesting permission to dewater the Pits in 2019; approved in 2020
- Troilus has engaged in community consultations with Cree impacted families and local communities to keep them informed, address their concerns and integrate their feedback.



SEPTEMBER 2024

INTEGRATION OF SOLAR AND WIND ENERGY

- 500 solar panels generating up to 222.5 kWp and a 15 kWp wind turbine
- Provides on-site supplemental and backup power for the Troilus site
- Designed for rapid deployment and scalability to meet evolving energy needs, forming part of Troilus's long-term strategy for reliable and diversified energy supply.

REDUCING ENVIRONMENTAL IMPACT

- Aims to decrease reliance on diesel generators
- Supports Troilus's goal of reducing future carbon emissions and moving towards carbon neutrality.
- Contributes to a sustainable, reliable energy mix for future operations

UNLOCKING FUTURE WIND ENERGY OPPORTUNITIES

- Wind monitoring devices installed to assess potential wind farm development
- Early indications suggest potential for significant wind power, with ongoing studies to determine feasibility for future development

SUSTAINABLE AND COMMUNITY-BACKED PROJECT



Targeting a carbon-neutral mining operation

- Low-cost and sustainable hydroelectric power to site (C\$0.07/kWh in Quebec compared to Canada average of \$0.19/kWh)
- Currently evaluating the development of supplemental sustainable energy sources (wind and solar) in partnership with First Nations
- No water scarcity
- Project not located in a protected or endangered species area



SOCIAL ENDORSEMENT

Community & First Nations Support

- Long and good standing relationships with local Indigenous communities
- Quebec procurement in 2023: \$21M (~70%)
 Local Procurement in 2023: \$15M (~50%)
- Troilus uses an Indigenous-run camp services provider
- ~\$5.4M towards salaries and sponsorships to First Nations in 2023



LOW-RISK JURISDICTION

Government Support

- Project in alignment with the Provincial and Federal Critical Minerals Strategy
- Investment arms of the Quebec government and other local institutions collectively own ~15% of Troilus





COMMITTED TO THE RESPONSIBLE DEVELOPMENT OF OUR PROJECT

Creating value for all our stakeholders while operating in a safe, socially and environmentally responsible manner.

ESG MILESTONES

2020

Troilus implements a Sustainable **Development Policy** focused on four pillars:

People, Environment, Health & Safety, Communities

2020

Recipient of the

EXCELLENCE IN SUSTAINABLE **DEVELOPMENT AWARD**

presented annually by the Quebec Mineral Exploration Association (AEMQ).

2021

Inaugural ESG Report

troilusgold.com/sustainability



2022



UN Global Compact

Troilus joins the United Nations Global Compact initiative

2023





Troilus Engages Stantec/ Blue Metric to complete the ESIA

2020

Implementation of the ONYEN ESG **Reporting System**

Internationally recognized reporting standards



2020



ECOLOGO Certification

Troilus proudly became the first company to obtain certification for UL 2723 Certification Program for Responsible Development for Mineral Exploration

2022



- To conduct an inventory of its historical and current GHG emissions
- Develop a roadmap towards a future carbon neutral mining operation
- Identify opportunities to reduce or eliminate the use of fossil fuels and their resulting GHG emissions at the future Troilus mining operation



Feasibility Study supports a long life, 50ktpd open-pit mining operation. A large-scale project in a tier-one mining jurisdiction that stands out in the Quebec and Canadian mining landscapes.

- Large Scale Open-Pit Project
 - 22-year open pit mine with future underground development LOM avg. annual AuEq production 303,000 oz.
- Among the largest gold projects in Canada 6th largest among Canadian gold producers
- Strong Economic Results \$1.55B NPV5% and IRR of 19.5% at April 2024 avg. metal prices
- Low-Cost Operation

 1st quartile AISC among the major Canadian gold mines
- Attractive Capital Intensity
 US\$500M of existing infrastructure key to Project's success



TSX: **TLG**

OTCQX: CHXMF

FRA: CM5R

Follow us:









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TROILUS' HISTORY AS A PAST-PRODUCER

FORMERLY PRODUCING

14 Years in Operation

1996-2010

Open Pit Mine - Total Production

Gold: +2Moz

Copper: ~70,000t

Remaining AuEq Resources Upon Closure

Primarily Below-pit Underground Resources

INDICATED

INFERRED

2.05Moz

1.17Moz

44Mt @1.45 g/t

18.7Mt @1.16 g/t

Value of Remaining Infrastructure

US\$500M

1950's



1993

Positive Feasibility Study



1986

Initial drilling

2012

Hostile takeover of Inmet by First Quantum Minerals

2011

Failed merger with Lundin Mining

1996-2010

Inmet Mining Corp. operated the Troilus mine



The Troilus Mine operated during a weak gold environment, which among other factors, resulted in minimal expansion drilling outside of the main mineralized zones to replace the mine's

2017

Troilus is acquired in Dec. 2017 for:

- \$300,000 cash
- 2.5% NSR

2.5% NSR bought back in Nov. 2020 for \$20M

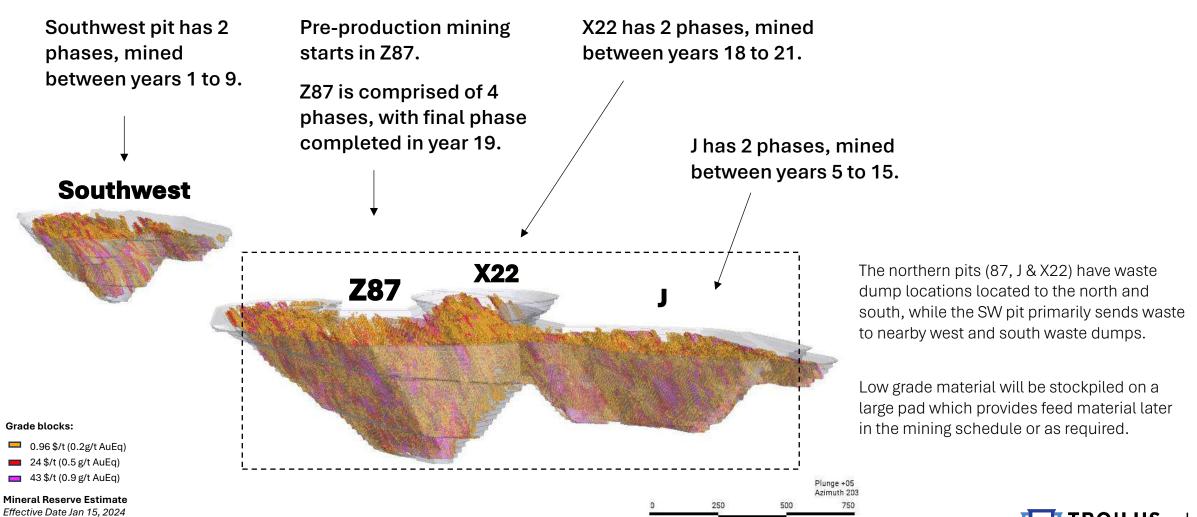


2018

Troilus Gold Corp. begins trading on the TSX

MINING SEQUENCE

Cut-off grade: 9.96 \$/t (0.20g/t AuEq)



METALLURGICAL TESTWORK – OVERALL RECOVERIES

800 kg Composite

	Sa	ample Head As	say	F	inal Tails Assa	у	Overall Recoveries (%)			
	Gold	Copper	Silver	Au	Copper	Silver	Gold	Copper	Silver	
Zone	(g/t) (%)		(g/t)	(g/t)	(%)	(g/t)	Recovery	Recovery	Recovery	
J ZONE	0.371	0.059	0.772	0.036	0.004	0.141	92.7%	93.2%	85.9%	
SOUTHWEST	0.388	0.052	0.762	0.046	0.005	0.138	90.6%	91.3%	86.2%	
Z87	0.460	0.072	0.353	0.030	0.007	0.030	94.0%	88.1%	96.7%	
ZONE X22	0.324	0.024	0.476	0.023	0.002	0.091	94.1%	96.2%	90.8%	

3000 kg Composite

O .		Sa	ample Head As	say	F	inal Tails Assa	у	Overall Recoveries (%)			
Zone		Gold (g/t)	Copper (%)	Silver (g/t)	Au (g/t)	Copper (%)	Silver (g/t)	Gold Recovery	Copper Recovery	Silver Recovery	
N. A.	J ZONE	0.434	0.059	0.836	0.035	0.006	0.096	92.8%	90.4%	90.4%	
-	SOUTHWEST	0.624	0.065	1.123	0.078	0.004	0.124	84.0%	93.4%	87.6%	
	Z87	0.590	0.070	0.262	0.029	0.003	0.022	94.0%	95.1%	97.8%	
	ZONE X22	0.327	0.069	1.110	0.028	0.004	0.142	94.3%	93.1%	85.8%	

Metallurgy Consultants









FEASIBILITY STUDY ECONOMIC SENSITIVITIES

COMMODITY	PRICE	PRE-	ГАХ	POST	TAX
Copper (\$/lb)	Gold (\$/oz)	NPV _{5%} (\$ millions)	IRR	NPV _{5%} (\$ millions)	IRR
4	2000	\$1,626.5	18.5%	\$923.3	14.3%
4.125	2250	\$2,379.5	23.3%	\$1,378.6	18.1%
4.25	2500	\$3,127.4	27.6%	\$1,826.6	21.6%
4.375	2750	\$3,875.3	31.6%	\$2,265.4	24.7%
4.5	3000	\$4,623.1	35.4%	\$2,703.3	27.8%
4.625	3250	\$5,371.0	39.0%	\$3,136.0	30.6%
4.75	3500	\$6,118.9	42.5%	\$3,568.7	33.3%
4.875	3750	\$6,866.8	45.8%	\$3,999.5	35.9%
5	4000	\$7,614.6	49.1%	\$4,427.2	38.4%

STRIP RATIO

3.1:1

LOM STRIP RATIO

STRIP RATIO BY ZONE

2.5

JZONE

3.6

Z 8 7

3.0

X 2 2

3.0

SOUTHWEST

ZONE	PHASE	Ore (Mt)	Au (g/t)	Cu (%)	Ag (g/t)	NSR (C\$/T)	Waste (Mt)	Total (Mt)	Strip Ratio
JZONE	1	74.4	0.45	0.06	0.91	29.53	153.0	227.4	2.1
	2	50.8	0.42	0.058	0.84	27.79	164.7	215.5	3.2
TOTAL		125.2	0.44	0.058	0.88	28.82	317.7	442.9	2.5
ZONE 87	0	1.6	0.65	0.04	0.95	42.20	8.5	10.1	5.3
	1	31.6	0.55	0.062	1.17	37.09	139.3	170.9	4.4
	2	69.0	0.58	0.068	1.14	39.38	179.5	248.5	2.6
	3	63.9	0.52	0.055	1.08	34.26	272.0	335.9	4.3
TOTAL		166.1	0.55	0.062	1.12	37.00	599.4	765.5	3.6
ZONE X22	1	16.5	0.43	0.07	1.61	29.59	56.5	73.0	3.4
	2	20.0	0.40	0.047	0.79	25.48	53.1	73.0	2.7
TOTAL		36.4	0.41	0.058	1.16	27.34	109.6	146.0	3.0
SOUTHWEST ZONE	1	34.0	0.48	0.05	0.75	29.09	75.1	109.0	2.2
	2	17.9	0.52	0.035	0.78	30.67	69.2	87.1	3.9
TOTAL		51.9	0.49	0.045	0.76	29.64	144.3	196.1	2.8
SUMMARY		380	0.49	0.058	1.00	32.37	1,171	1,550	3.1

NOTES RELATED TO AuEq & CuEq CALCULATIONS

Open pit cut-off grade is C\$9.96/t NSR where the metal equivalents were calculated as follows:

- Z87 Zone : AuEq = Au grade + 1.5361 * Cu grade + 0.0133 * Ag grade
- J Zone : AuEq = Au grade + 1.4849 * Cu grade + 0.0123 * Ag grade
- X22 Zone : AuEq = Au grade + 1.5361 * Cu grade + 0.0133* Ag grade
- SW Zone : AuEq = Au grade + 1.6535 * Cu grade + 0.0129 * Ag grade

Metal prices for the AuEq formulas are: \$US 1,550/ oz Au; \$3.50/lb Cu, and \$20.00/ oz Ag.

Metal recoveries for the AuEq formulas are:

- Z87 Zone: 95.5% for Au recovery, 94.7% for Cu recovery and 98.2% for Ag recovery
- J Zone: 93.1% for Au recovery, 89.3% for Cu recovery and 88.9% for Ag recovery
- X22 Zone: 95.5% for Au recovery, 94.7% for Cu recovery and 98.2% for Ag recovery
- SW Zone: 85.7% for Au recovery, 91.5% for Cu recovery and 85.6% for Ag recovery

MINERAL RESERVE

CLASS	Tonnage (Mt)	Gold Grade (g/t Au)	Copper Grade (%Cu)	Silver Grade (g/t Ag)	AuEq Grade (g/t AuEq)	CuEq Grade (%)	Contained Gold (Moz)	Contained Copper (Mlbs)	Contained Silver (Moz)	Contained AuEq (Moz)	Contained CuEq (Blbs)
Proven	-	-	-	-	-	-	-	-	-	-	-
Probable	380	0.49	0.058	1.00	0.59	0.39	6.02	484	12.15	7.26	3.24

PROBABLE RESERVES BY ZONE

ZONE	Tonnage (Mt)	Gold Grade (g/t Au)	Copper Grade (%Cu)	Silver Grade (g/t Ag)	AuEq Grade (g/t AuEq)	CuEq Grade (%)	Contained Gold (Moz)	Contained Copper (Mlbs)	Contained Silver (Moz)	Contained AuEq (Moz)	Contained CuEq (Blbs)
Z87	166.1	0.55	0.062	1.12	0.66	0.43	2.95	225	5.97	3.53	1.58
J Zone	125.2	0.44	0.058	0.88	0.54	0.36	1.76	161	3.56	2.16	1.00
X22	36.4	0.41	0.058	1.16	0.52	0.34	0.48	46	1.35	0.60	0.27
Southwest	51.9	0.49	0.045	0.76	0.58	0.35	0.82	52	1.26	0.96	0.40
Total	380	0.49	0.058	1.00	0.59	0.39	6.02	484	12.15	7.26	3.24

Note: This mineral reserve estimate has an effective date of January 15, 2024, and is based on the mineral resource estimate dated October 2, 2023, for Troilus Gold by AGP Mining Consultants Inc. The Mineral Reserve estimate was completed under the supervision of Willie Hamilton, P.Eng. of AGP, who is a QP as defined under NI 43-101. Mineral Reserves are stated within the final pit designs based on a US\$1,550/oz gold price, US\$20.00/oz silver price and US\$3.50/lb copper price. An NSR cut-off of C\$9.96/t was used to define reserves. The life-of-mine mining cost averaged C\$3.99/t mined, preliminary processing costs were C\$8.02/t ore and G&A was C\$1.94/t ore placed. The metallurgical recoveries were varied according to gold head grade and concentrate grades. 87 pit recoveries for equivalent grades were 95.5%, 94.7% and 88.9% for gold, copper, and silver respectively. J pit recoveries for equivalent grades were 95.5%, 94.7% and 98.2% for gold, copper, and silver respectively. We pit recoveries for equivalent grades were 95.5%, 94.7% and 98.2% for gold, copper, and silver respectively. We pit recoveries for equivalent grades were 95.5%, 94.7% and 98.2% for gold, copper, and silver respectively. We pit recoveries for equivalent grades were 95.5%, 94.7% and 98.2% for gold, copper, and silver respectively. We pit recoveries for equivalent grades were 95.5%, 94.7% and 98.2% for gold, copper, and silver respectively. We pit recoveries for equivalent grades were 95.5%, 94.7% and 98.2% for gold, copper, and silver respectively. We pit recoveries for equivalent grades were 95.5%, 94.7% and 98.2% for gold, copper, and silver respectively. Ye pit recoveries for equivalent grades were 95.5%, 94.7% and 98.2% for gold, copper, and silver respectively. Ye pit recoveries for equivalent grades were 95.5%, 94.7% and 98.2% for gold, copper, and silver respectively. Ye pit recoveries for equivalent grades were 95.5%, 94.7% and 98.2% for gold, copper, and silver respectively. Ye pit recoveries for equivalent grades were 95.5%, 94.7% an

MINERAL RESERVE AND AuEq & CuEq DISCLOSURE

Troilus AuEq Equations by Pit (Reserve)

Metal	Prices	Units
Au	1,550	US\$/oz
Cu	3.5	US\$/lb
Ag	20	US\$/oz

Pit	R	Recoveries (%)		Recoveries (%) Value per grade unit		AuEq Factors		AuEq formulas CuEq I		actors	CuEq formulas	
	At	With	At the	At	With	At the	With	At the		At	At the	
87	95.5%	94.7%	98.2%	47.59	73.10	0.63	1.5361	0.0133	AuEq = Au + 1.5361*Cu +0.0133 *Ag	0.6510	0.0086	CuEq = Cu + 0.6510*Au +0.0086 *Ag
J	93.1%	89.3%	88.9%	46.40	68.89	0.57	1.4849	0.0123	AuEq = Au + 1.4849*Cu +0.0123 *Ag	0.6735	0.0083	CuEq = Cu + 0.6735*Au +0.0083 *Ag
SW	85.7%	91.5%	85.6%	42.72	70.64	0.55	1.6535	0.0129	AuEq = Au + 1.6535*Cu +0.0129 *Ag	0.6048	0.0078	CuEq = Cu + 0.6048*Au +0.0078 *Ag
X22	95.5%	94.7%	98.2%	47.59	73.10	0.63	1.5361	0.0133	AuEq = Au + 1.5361*Cu +0.0133 *Ag	0.6510	0.0086	CuEq = Cu + 0.6510*Au +0.0086 *Ag

Note: The mineral reserve estimate has an effective date of January 15, 2024, and is based on the mineral resource estimate dated October 2, 2023, for Troilus Gold by AGP Mining Consultants Inc. The Mineral Reserve estimate was completed under the supervision of Willie Hamilton, P.Eng. of AGP, who is a Qualified Person as defined under NI 43-101. Mineral Reserves are stated within the final pit designs based on a US\$1,550/oz gold price, US\$20.00/oz silver price and US\$3.50/lb copper price. An NSR cut-off of C\$9.96/t was used to define reserves. The life-of-mine mining cost averaged C\$3.99/t mined, preliminary processing costs were C\$8.02/t ore and G&A was C\$1.94/t ore placed. The metallurgical recoveries were varied according to gold head grade and concentrate grades. 87 pit recoveries for equivalent grades were 95.5%, 94.7% and 98.2% for gold, copper, and silver respectively. J pit recoveries for equivalent grades were 93.1%, 89.3% and 88.9% for gold, copper, and silver respectively. X22 pit recoveries for equivalent grades were 95.5%, 94.7% and 98.2% for gold, copper, and silver respectively. SW pit recoveries for equivalent grades were 85.7%, 91.5% and 85.6% for gold, copper, and silver respectively.

NOTES RELATED TO REGIONAL EXPLORATION RESULTS

Allongé Results:

See press release dated December 9, 2020, Troilus Expands High Grade Testard Zone with Outcrop Samples up to 80 g/t Gold and 1,060 g/t Silver and Channel Samples up to 19.5 g/t Gold; Beyan Zone Expanded with 12 g/t Gold Outcrop Sample Located 600 Metres North of Main Discovery. A copy of which is available on SEDAR + (www.sedarplus.ca) under the Company's issuer profile.

https://troilusgold.com/news-and-media/news-releases/troilus-expands-high-grade-testard-zone-with-outcrop-samples-up-to-80-gt-gold-and-1060-gt-silver-and-channel-samples-up-to-195-gt--beyan-zone-expanded-with-12-gt-gold-outcrop-sample-located-600-metres-north-of-main-discovery

Beyan/Cressida Results:

See press release dated April 11, 2023, Troilus Drills 10.78 g/t Gold Over 7m, incl. 66.8 g/t Gold Over 1m; and 1.64 g/t Gold Over 16m at the Cressida Target, ~10 Km Southwest of the Main Resource; Gold Zone Confirmed Over 1.3km Strike Length. A copy of which is available on SEDAR + (www.sedarplus.ca) under the Company's issuer profile.

https://troilusgold.com/news-and-media/news-releases/troilus-drills-1078-gt-gold-over-7m-incl-668-gt-gold-over-1m-and-164-gt-gold-over-16m-at-the-cressida-target-10-km-southwest-of-the-main-resource-gold-zone-confirmed-over-13km-strike-length-

Testard Results:

Grab Samples:

See press release dated March 31, 2022, Troilus Announces New Discovery At Testard: Drills 4.6 G/T Gold Over 7.6m, Incl. 20.2 G/T Over 1.2m; 6.7 G/T Gold Over 3.2m, 10km From Main Mine Site. A copy of which is available on SEDAR + (www.sedarplus.ca) under the Company's issuer profile.

https://troilusgold.com/news-and-media/news-releases/troilus-announces-new-discovery-at-testard-drills-46-gt-gold-over-76 m-incl-202-gt-over-12 m-67-gt-gold-over-32 m-10 km-from-main-mine-site

Channel Samples:

See press release dated December 9, 2020, Troilus Expands High Grade Testard Zone with Outcrop Samples up to 80 g/t Gold and 1,060 g/t Silver and Channel Samples up to 19.5 g/t Gold; Beyan Zone Expanded with 12 g/t Gold Outcrop Sample Located 600 Metres North of Main Discovery. A copy of which is available on SEDAR + (www.sedarplus.ca) under the Company's issuer profile.

https://troilusgold.com/news-and-media/news-releases/troilus-expands-high-grade-testard-zone-with-outcrop-samples-up-to-80-gt-gold-and-1060-gt-silver-and-channel-samples-up-to-195-gt--beyan-zone-expanded-with-12-gt-gold-outcrop-sample-located-600-metres-north-of-main-discovery

Pallador/ Rocket Results:

Boulder Grab sample up to 102 g/t gold

See UrbanGold Minerals Minerals Inc. press release dated September 2, 2020, UrbanGold Announces up to 102 g/t Au in Additional Grab Samples at Pallador. A copy is available under the company's profile on SEDAR

+ (www.sedarplus.ca) under the Company's issuer profile.

https://www.sedarplus.ca/csa-

party/records/document.html?id=1498be21b4e72b73a5d9d182d3fde0f90324d68bef60afd8acef575a344deb51

Drill highlights 4.74g/t Au/ 2.5m, incl. 19.24 g/t Au/ 0.5m

See UrbanGold Minerals Inc. press release dated March 17, 2021, UrbanGold Confirms Recent Regnault Discovery, Intersecting Gold in Three New Drill Holes. A copy is available under the company's profile on SEDAR + (www.sedarplus.ca) under the Company's issuer profile.

https://www.sedarplus.ca/csa-

party/records/document.html?id=744a74045b7e8935a59ce7d6f88334bc6a5897f31bff674e0f0ee22c8d98d3a6