



THE FLAT GOLD PROJECT ALASKA'S NEXT TIER 1 OPPORTUNITY

TECTONIC
METALS INC.

INVESTOR PRESENTATION

TSX-V: TECT | OTCQB: TETOF | FSE: T15B

SEPTEMBER 2023

FORWARD LOOKING STATEMENT AND NATIONAL INSTRUMENT 43-101 COMPLIANCE

All statements in this presentation, other than statements of historical fact, are "forward-looking statements" or "forward looking information" with respect to Tectonic Metals Inc. (the "Company") within the meaning of applicable securities laws, including statements that address pro forma capitalization tables, the size and use of proceeds of any proposed financings, the discovery and development of gold deposits, potential size of a mineralized zone, potential expansion of mineralization and timing of exploration and development plans. Forward-looking information is often, but not always, identified by the use of words such as "seek", "anticipate", "plan", "continue", "planned", "expect", "project", "predict", "potential", "targeting", "intends", "believe", and similar expressions, or describes a "goal", or variation of such words and phrases or state that certain actions, events or results "may", "should", "could", "would", "might" or "will" be taken, occur or be achieved. Forward-looking information is not a guarantee of future performance and is based upon a number of estimates and assumptions of management at the date the statements are made including, among others, assumptions regarding timing of exploration and development plans at the Company's mineral projects; timing and completion of proposed financings; timing and likelihood of deployment of additional drill rigs; successful delivery of results of metallurgical testing; the release of an initial resource report on any of our properties; assumptions about future prices of gold, copper, silver, and other metal prices; currency exchange rates and interest rates; metallurgical recoveries; favourable operating conditions; political stability; obtaining governmental approvals and financing on time; obtaining renewals for existing licences and permits and obtaining required licences and permits; labour stability; stability in market conditions; availability of equipment; accuracy of historical information; successful resolution of disputes and anticipated costs and expenditures. Many assumptions are based on factors and events that are not within the control of the Company and there is no assurance they will prove to be correct.

Such forward-looking information involves known and unknown risks, which may cause the actual results to be materially different from any future results expressed or implied by such forward-looking information, including, but not limited to, the cost, timing and success of exploration activities generally, including the development of new deposits; possible variations in grade or recovery rates; failure of equipment or processes to operate as anticipated; the failure of contracted parties to perform; uses of funds in general including future capital expenditures, exploration expenditures and other expenses for specific operations; the timing, timeline and possible outcome of permitting or license renewal applications; government regulation of exploration and mining operations; environmental risks; the uncertainty of negotiating with foreign governments; expropriation or nationalization of property without fair compensation; adverse determination or rulings by governmental authorities; delays in obtaining governmental approvals; possible claims against the Company; the impact of archaeological, cultural or environmental studies within property areas; title disputes or claims; limitations on insurance coverage; the interpretation and actual results of historical operators at certain of our exploration properties; changes in project parameters as plans continue to be refined; current economic conditions; future prices of commodities; and delays in obtaining financing. The Company's forward-looking information reflect the beliefs, opinions, and projections on the date the statements are made. The Company assumes no obligation to update forward-looking information or beliefs, opinions, projections, or other factors, should they change, except as required by law.

The Company makes no representation or warranty regarding the accuracy or completeness of any historical data from prior exploration undertaken by others other than the company and has not taken any steps to verify, the adequacy, accuracy or completeness of the information provided herein and, under no circumstances, will be liable for any inaccuracies or omissions in any such information or data, any delays or errors in the transmission thereof, or any loss or direct, indirect, incidental, special or consequential damages caused by reliance on this information or the risks arising from the stock market.

Prospective investors should not construe the contents of this presentation as legal, tax, investment, accounting or other advice. Prospective investors are urged to consult with their own advisors with respect to legal, tax, regulatory, financial, accounting and other such matters relating to their investment in the Company.

The Company securities have not been approved or disapproved by the U.S. Securities and Exchange Commission or by any state, provincial or other securities regulatory authority, nor has the U.S. Securities and Exchange Commission or any state, provincial or other securities regulatory authority passed on the accuracy or adequacy of this presentation. Any representation to the contrary is a criminal offense.

The Company is incorporated under the laws of British Columbia, Canada. Many of the Company's assets are located outside the United States and most or all of its directors and officers are residents of countries other than the United States. As a result, it may be difficult for investors in the United States to effect service of process within the United States upon the Company or such directors and officers, or to realize in the United States upon judgments of courts of the United States predicated upon civil liability of the Company and its directors and officers under the United States federal securities laws.

Peter Kleespies, M.Sc., P.Geo, Vice President for Tectonic Metals Inc, is the Qualified Person for the Company as defined by National Instrument 43-101, and is responsible for reviewing and approving the scientific and technical content of all materials publicly disclosed by Tectonic, including the contents of this presentation.

EXTENSIVE TRACK RECORD OF SUCCESS

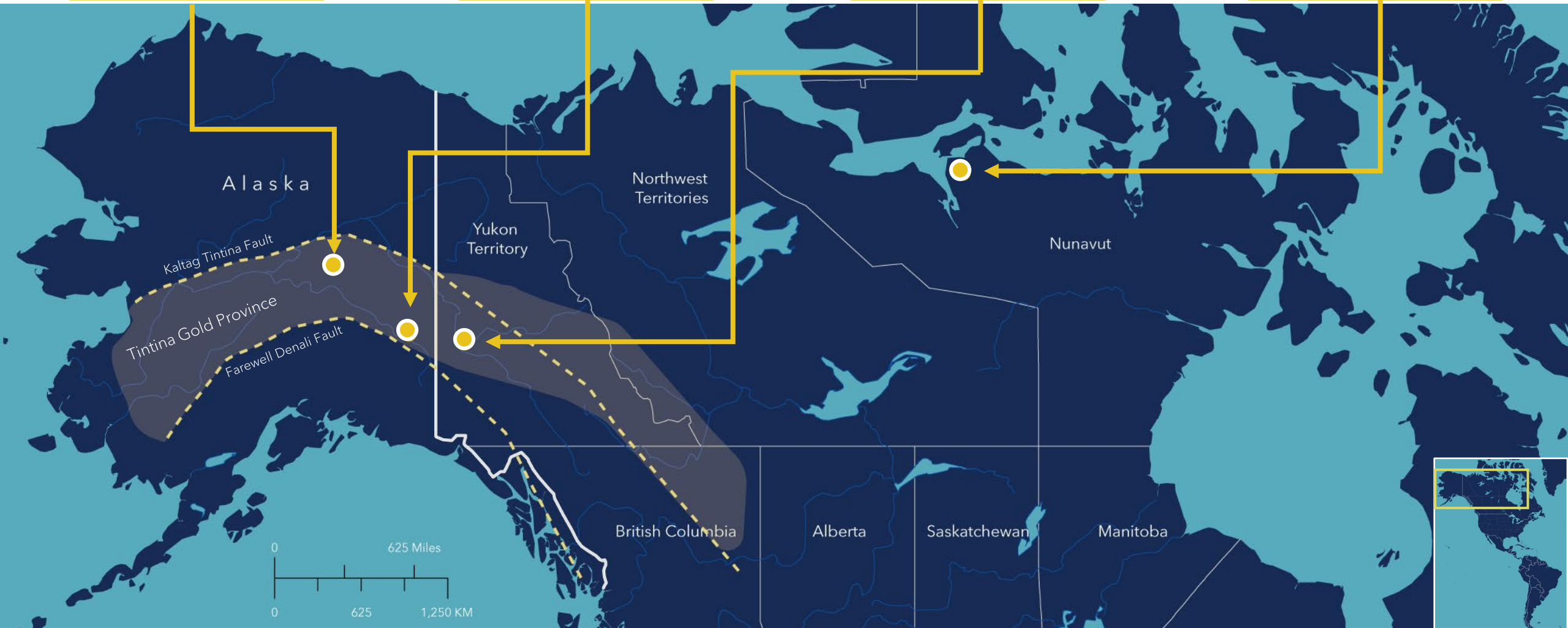
MORE THAN 35 MILLION OZ IN GOLD DISCOVERIES INVOLVING THE TECTONIC TEAM

Dolphin

Manh Choh

Coffee








Hope Bay



A PROVEN, DIVERSE, AND FULLY INVESTED TEAM

INSIDE OWNERS REPRESENT THE THIRD LARGEST OWNERSHIP BLOCK






Areas of Strength

Name	Role	ESG	Mine Finder	Mining	M&A	Capital Markets	Notes
 Allison Rippin Armstrong	Chair	●	●	●	●		Environmental Biologist, UN consultant, 25 years experience in ESG and mine permitting.
 Tony Reda	Founder, CEO & President	●	●		●	●	Raised >\$200 million, \$520 million sale of Kaminak's Coffee Gold Project.
 Eira Thomas	Founder & Advisor	●	●	●	●	●	Discovery of Diavik diamond mine, CEO of Kaminak Gold, Longest serving director of Suncor Energy, CEO of Lucara Diamond
 Curtis J. Freeman	Founder & Director		●	●	●	●	40+ years of geological experience; Manh Choh gold discovery, recognized as a leading explorationist in Alaska and Yukon
 Joseph J. Perkins Jr.	Director	●		●	●	●	40+ year legal career, involved with every major resource project in Alaska including Greens Creek, Fort Knox, and Pogo mines
 Michael W. (Mick) Roper	Director		●	●	●		40+ years' international geological experience spanning the mineral resource development cycle. Past 16 years exploration and M&A for Agnico Eagle.
 Peter Kleespies	VP Exploration	●	●		●		30+ years of geological and management experience in mineral exploration globally; Hope Bay Gold discovery sold for \$1.5 billion; M.Sc., P.Geo.

TECHNICAL ADVISORY COMMITTEE ESTABLISHED IN AUGUST

STRUCTURAL GEOLOGISTS AND HEAP LEACH MINING EXPERTS NOW IN PLACE

Areas of Strength

Name	Designations	Structural Geology	Heap Leach Mining			Notes
			Design	Construct	Operate	
	Mark Smith	P.E., G.E., D.GE, S.E.	●	●	●	Mr. Smith has been involved in the design, construction, operations and closure of heap leach mine and tailings management facilities for 35 years.
	Fred Lightner	P.E.	●	●	●	Mr. Lightner is a metallurgical engineer that has over 50 years of industry experience specializing in heap leach gold project evaluation, consultation, feasibility, construction and operations.
	Dr. Corné Koegelenberg	Pr. Sci. Nat., MGSSA, MSEG	●			Dr. Koegelenberg has been responsible for over 44 projects and specializes in license- to deposit-scale exploration targeting and 3D Geomodelling.
	Dr. Ian Basson	Pr. Sci. Nat., FGSSA, MSEG, AMSAIEG	●			Dr. Basson holds a Ph.D. in Structural-Economic Geology and is an industry expert in structural interpretation of geophysical data, forward structural modelling, and targeting for exploration.
	Michael McCall	Pr. Sci. Nat., FGSSA, MSEG	●			Mr. McCall is a Principal Structural-Economic Geologist that has spent the last decade consulting for a broad range of exploration, mining and investment clients (30+ projects).

THE TECTONIC BUSINESS MODEL

DISCIPLINE - LINEAR THREE-YEAR PROJECT PLAN - EXECUTION

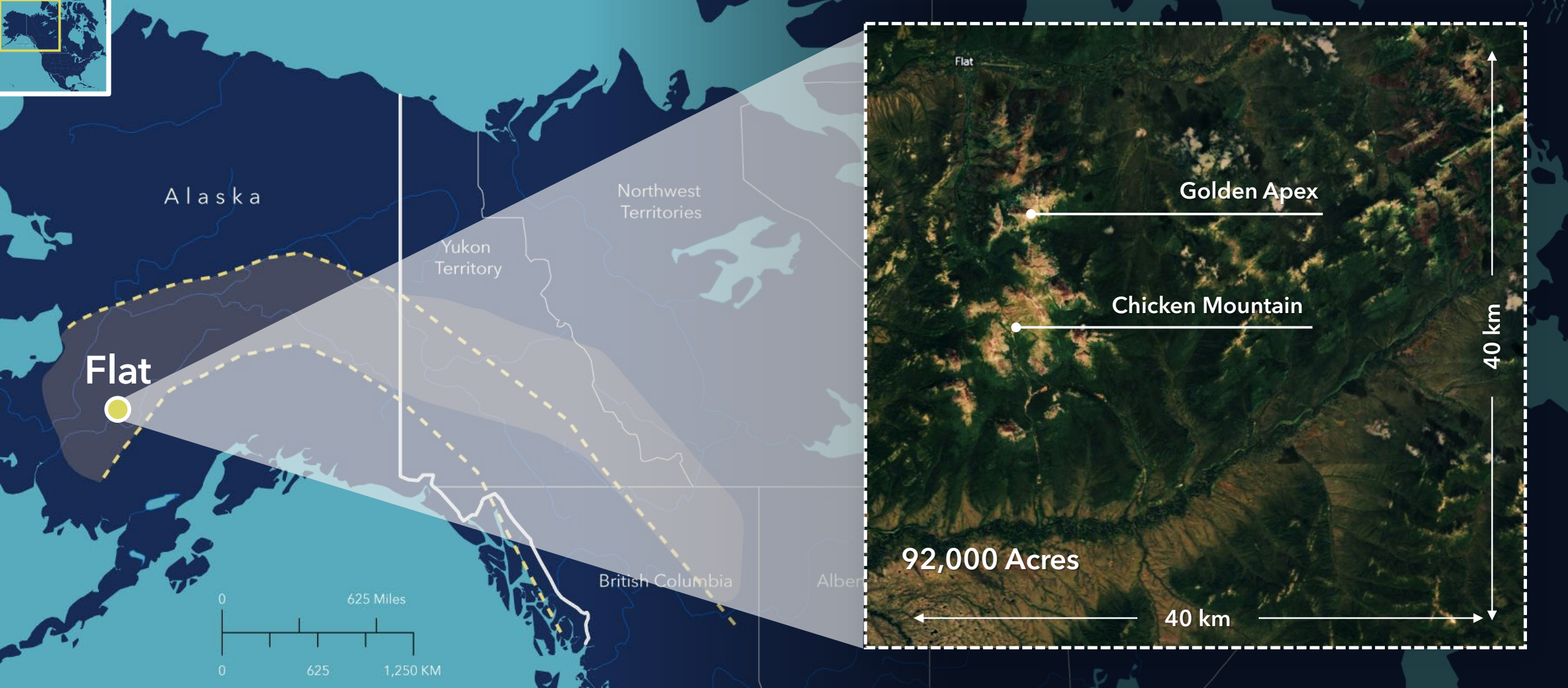
Tier 1 Opportunities

- ▶ Minimum 5 million oz AU potential
- ▶ Lowest quartile operating costs
- ▶ Secure land tenure
- ▶ Stable jurisdictions



Apply Tectonic's Economic Mine Formula

Grade	Geology
Scale	
Metallurgy and Mineral Processing	Engineering
Mining Method	
Land Tenure	ESG
Permits and Benefit Agreements	
Accessibility	Infrastructure
Energy	



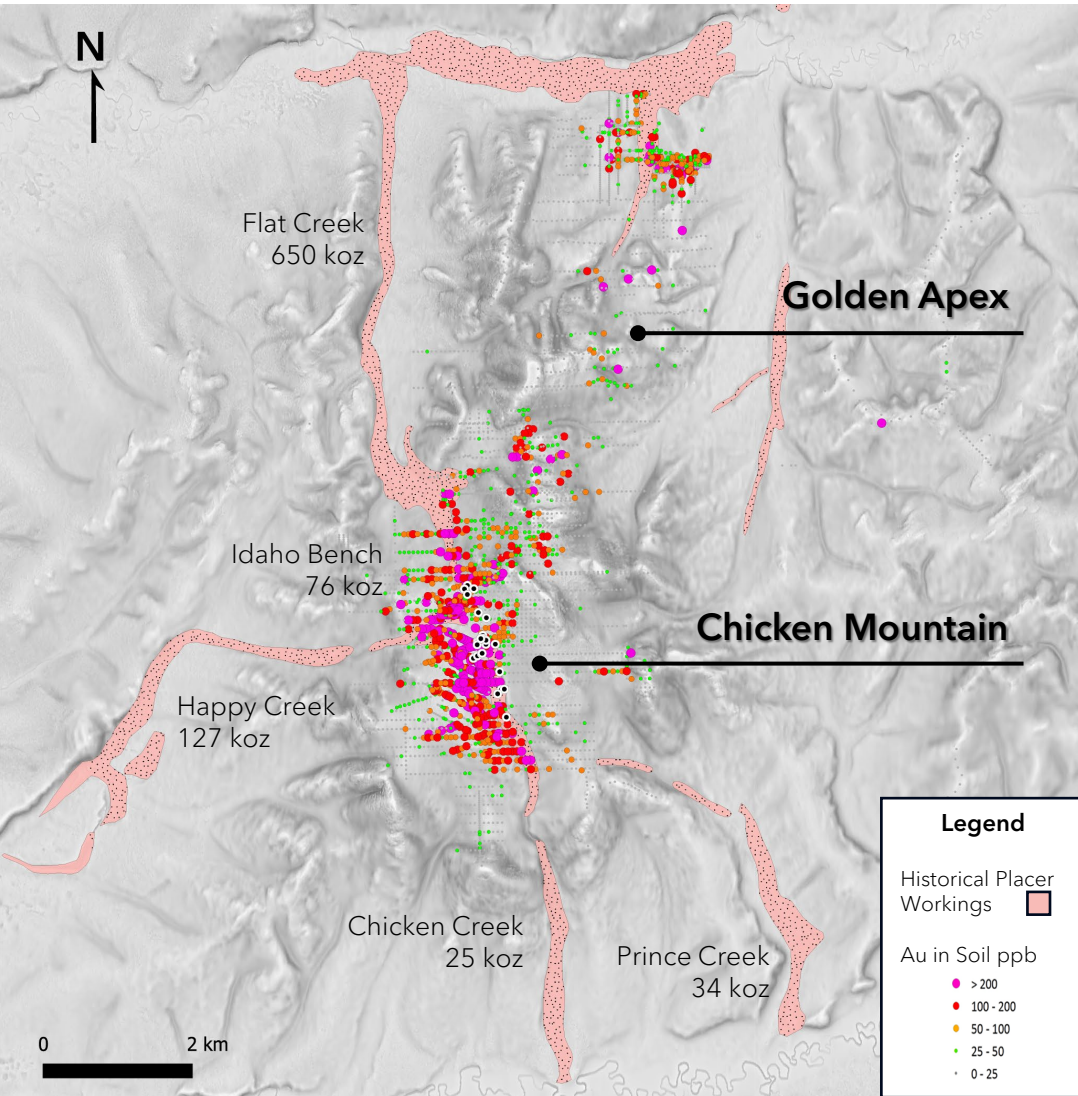
TECTONIC
METALS INC.

THE FLAT GOLD PROJECT

- ▶ BULK OPEN PIT HEAP LEACH OPPORTUNITY
IN THE TINTINA GOLD PROVINCE

FLAT IS LOCATED IN THE HIGHLY PROLIFIC TINTINA GOLD BELT

A COMPELLING TARGET GIVEN HISTORICAL PLACER PRODUCTION, EXPLORATION, AND RECENT METALLURGY



1.4 million oz

- ▶ Fourth richest placer gold mining jurisdiction in Alaska¹
- ▶ Chicken Mountain credited as source
- ▶ Every stream draining out of Chicken Mtn. carries gold

~4 km long high tenor gold-in-soil anomaly

- ▶ Unglaciated terrain
- ▶ Only 20% drill tested and open

55 historic drill holes

- ▶ All hitting gold mineralization
- ▶ 25 of 55 drill holes ending in mineralization

96% gold recovery (average)

- ▶ Preliminary testing on historic drill cores
- ▶ Potential open-pit, heap leach opportunity

1) Placer production figures from "Mineral Occurrence and Development Potential Report, Locatable and Salable Minerals, Bering Sea-Western Interior Resource Management Plan, BLM-Alaska Technical Report 60", prepared by the U.S. Department of the Interior, Bureau of Land Management, November 2010

BULK TONNAGE INTRUSION-RELATED TINTINA GOLD SYSTEMS

NOTABLE ANALOGUE MINES & PROJECTS IN TINTINA GOLD PROVINCE

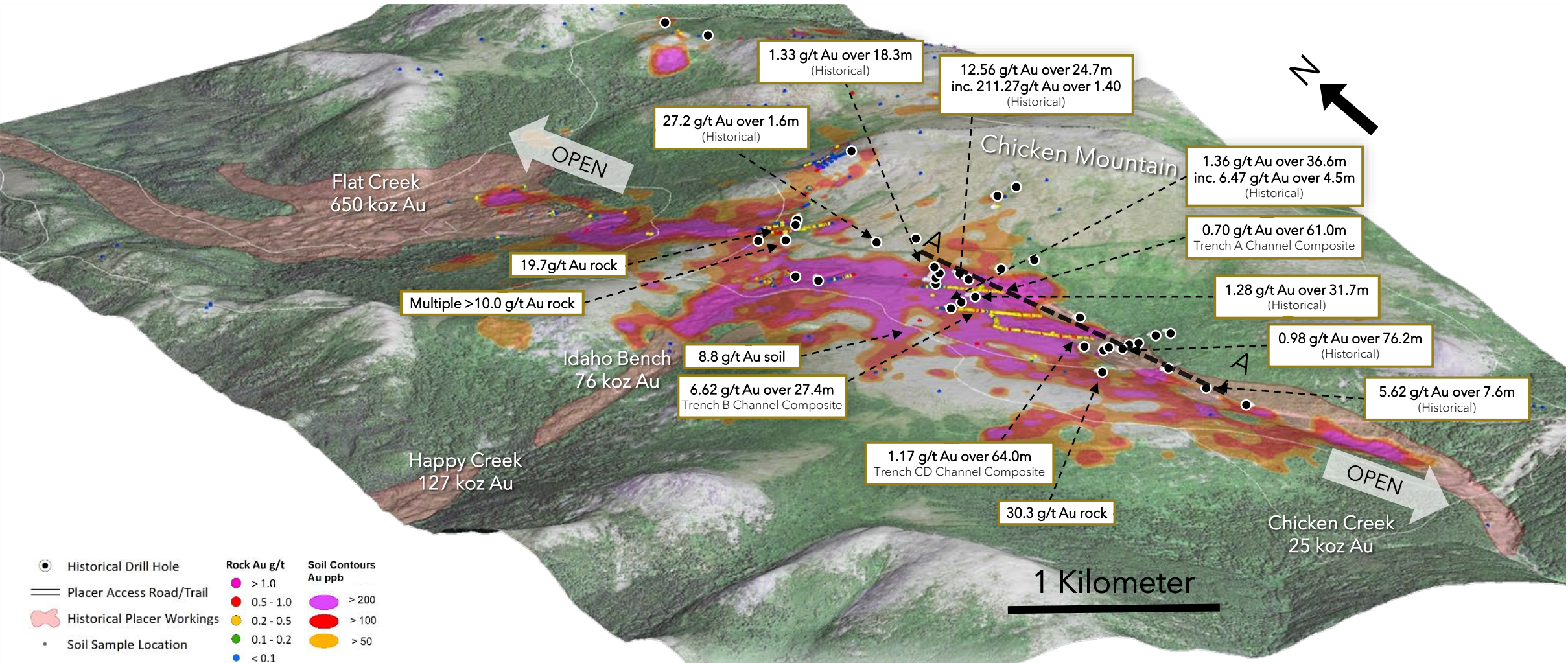
Project	Donlin ¹	Flat	Fort Knox ²	Eagle ³	Rogue ⁴
Company	Barrick & Novagold	Tectonic Metals	Kinross	Victoria Gold	Snowline
Production History	30,000 oz (Placer)	1.4 million oz (Placer)	8.2 million oz	448,000 oz	-
Resource (Measured and Indicated - incl 2P)	39 million oz	Discovery Stage	3.0 million oz	4.3 million oz	Discovery Stage
Mining & Processing	Open pit, refractory	Target: open pit, heap leach	Open pit, heap leach	Open pit, heap leach	Target: Open pit free milling
Average Grade	2.24 g/t	-	0.30 g/t	0.65 g/t	-
Recovery	90%	96% (preliminary)	81-83%	68-79%	88%-96% (preliminary)



1) [Donlin 2021 NI 43-101 Technical Report](#). Tonnage: 541,337kt at 2.24g/t Au. Measured & Indicated: 39,007koz Au. Assuming an average recovery of 89.5% and average 5% grade of 1.07, the marginal gold cut-off grade is 0.47 g/t. Gold price of \$1,200/oz is assumed. 2) [Dec. 31, 2022 Annual Mineral and Resource Statement](#). Proven & Probable Mineral Reserves 1,935koz Au. Mineral Resources are estimated at a cutoff grade of 0.30 g/t Au. 3) [2023 Eagle Gold Mine NI 43-101 Technical Report](#). Proven and Probable Mineral Reserves total 118M t at 0.65 g/t Au, containing 2,407k oz Au. The current Eagle Zone Mineral Resources are reported as in-pit resources at a cut-off grade of 0.20 g/t Au. Gold price of \$1,550/oz is assumed. 4) [2020 NI 43-101 Technical Report](#), Recovery based on [Metallurgical testing](#).

CHICKEN MTN TARGET: ALL 55 DRILL HOLES INTERSECTED MINERALIZATION

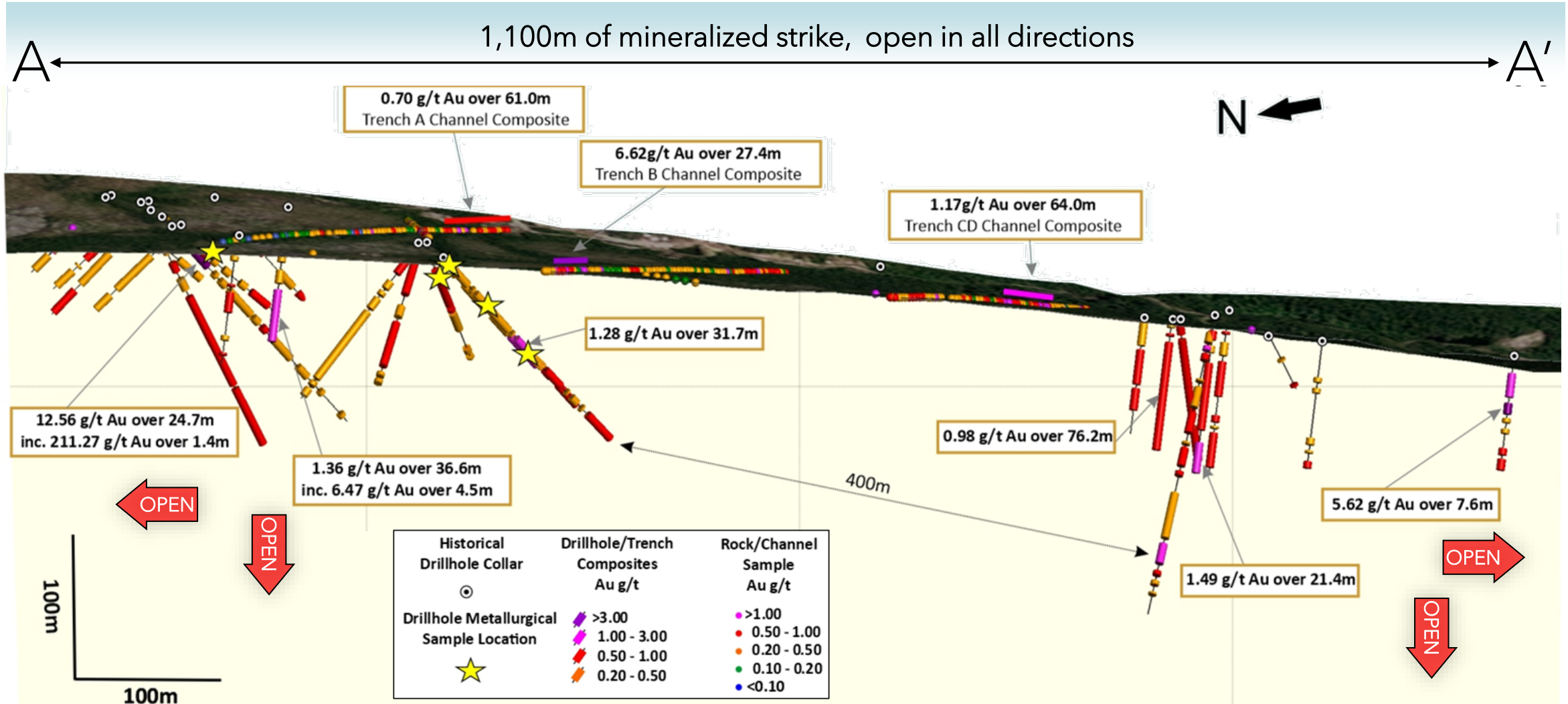
DRILLED TO AVERAGE DEPTH OF ONLY 100M - OPEN ALONG STRIKE AND AT DEPTH



*Placer production figures from "Mineral Occurrence and Development Potential Report, Locatable and Salable Minerals, Bering Sea-Western Interior Resource Management Plan, BLM Alaska Technical Report 60", prepared by the U.S. Department of the Interior, Bureau of Land Management, November 2010"

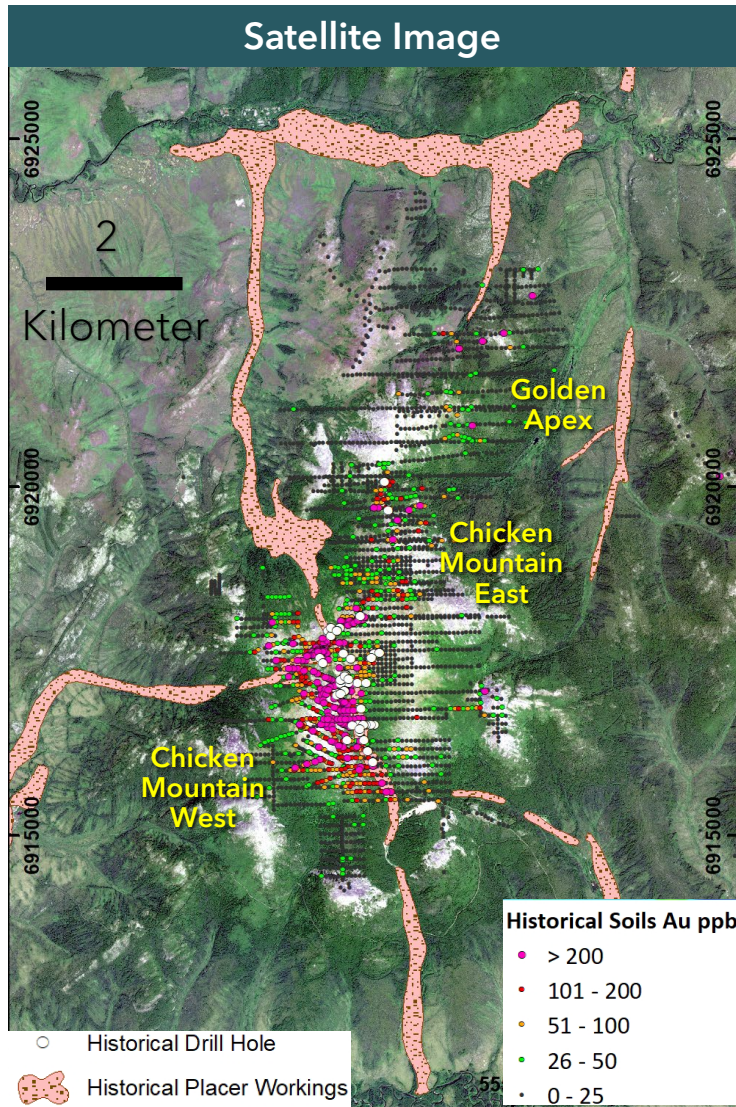
CHICKEN MOUNTAIN HISTORIC TRENCH AND DRILL RESULTS

OPEN-PIT OPPORTUNITY, AVG DRILL DEPTH 100M, DRILL HOLES ENDING IN MINERALIZATION, MULTIPLE MINERALIZED TRENCHES



EXPLORATION UPSIDE - MORE CHICKEN MOUNTAINS

GEOPHYSICS DEMONSTRATE A +11KM LONG INTRUSIVE COMPLEX ANOMALY



Chicken Mountain: 6.5 km x 5.6 km geophysical anomaly; mostly untested

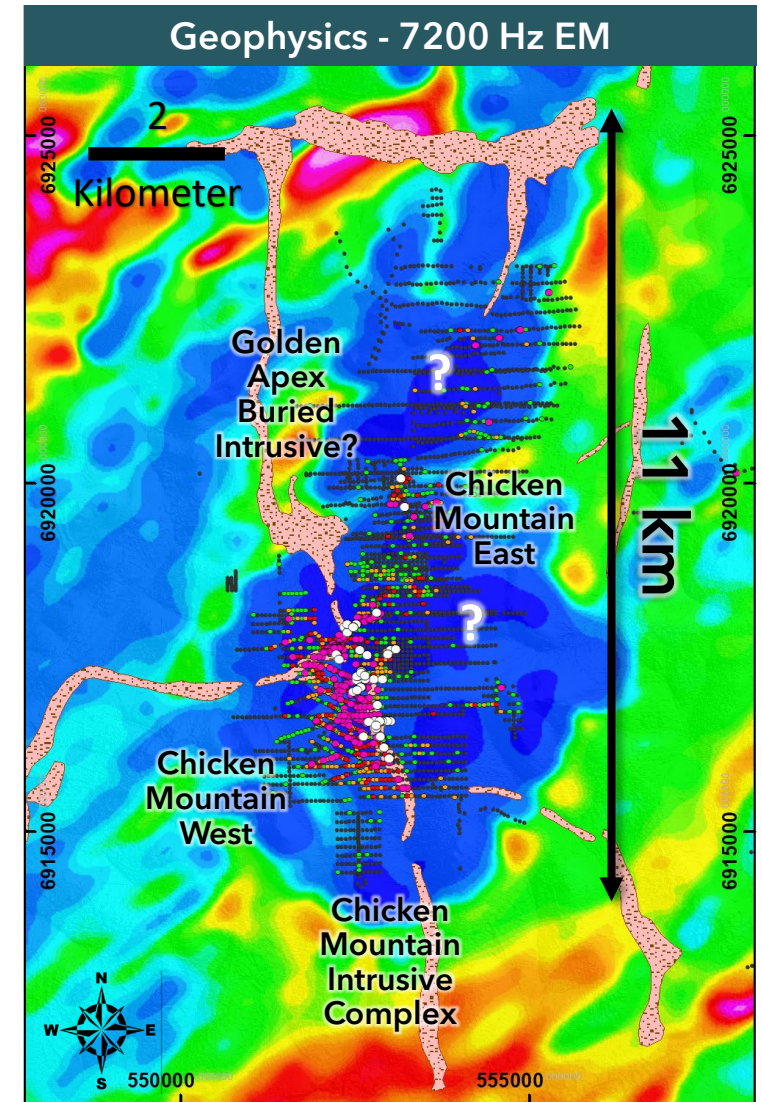
Chicken Mtn East mineralized - why?

- ▶ Placer gold spilling out the backside
- ▶ Geophysics
- ▶ Soil geochemistry similar to west

Golden Apex: ~2.5 km x 2.5 km mineralized - why?

- ▶ Placer gold
- ▶ Soil geochemistry
- ▶ Hornfels / Volcanic cap rock indicates potential underlying intrusion
- ▶ Geophysical 2.5 km x 2.5 km anomaly
- ▶ Potential buried intrusion at depth

Comparison of aerial imagery (left) and 7200 Hz EM data (right, with geology transparency)



Geology

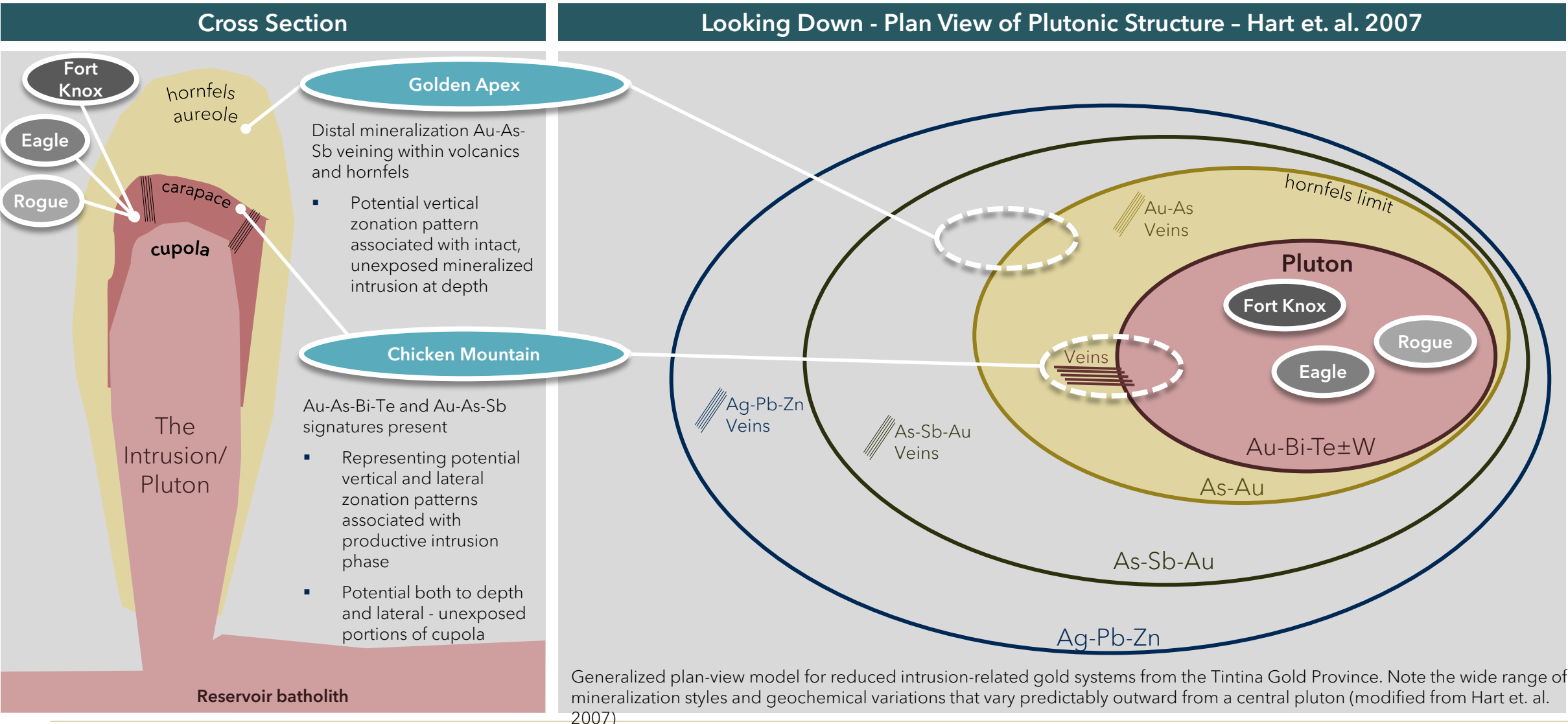
Engineering

ESG

Infrastructure

REDUCED INTRUSION-RELATED GOLD SYSTEMS

GEOCHEMISTRY, VEINING AND HOST ROCK ARE KEY INDICATORS OF PROXIMITY TO CUPOLA

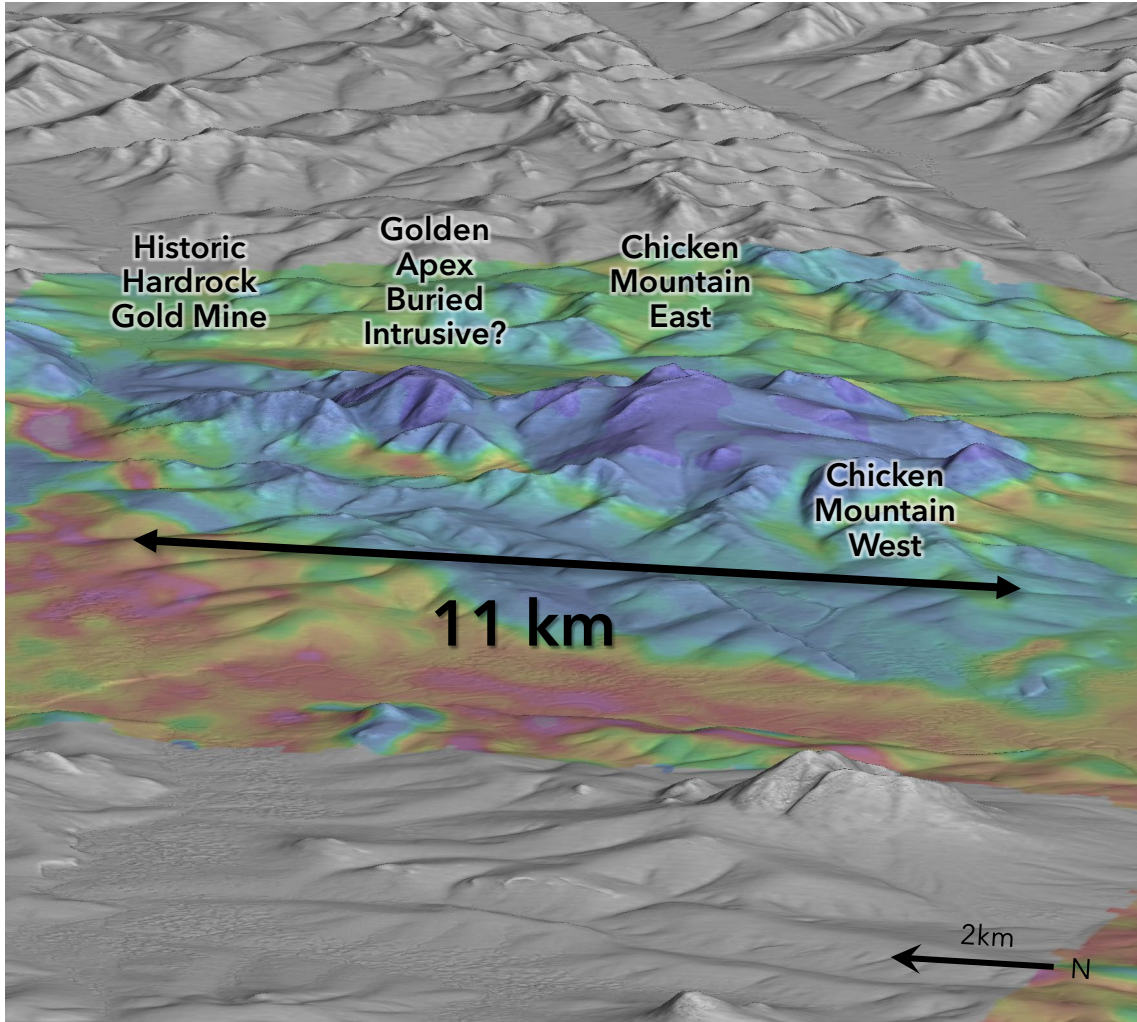


Geology
Engineering
ESG
Infrastructure

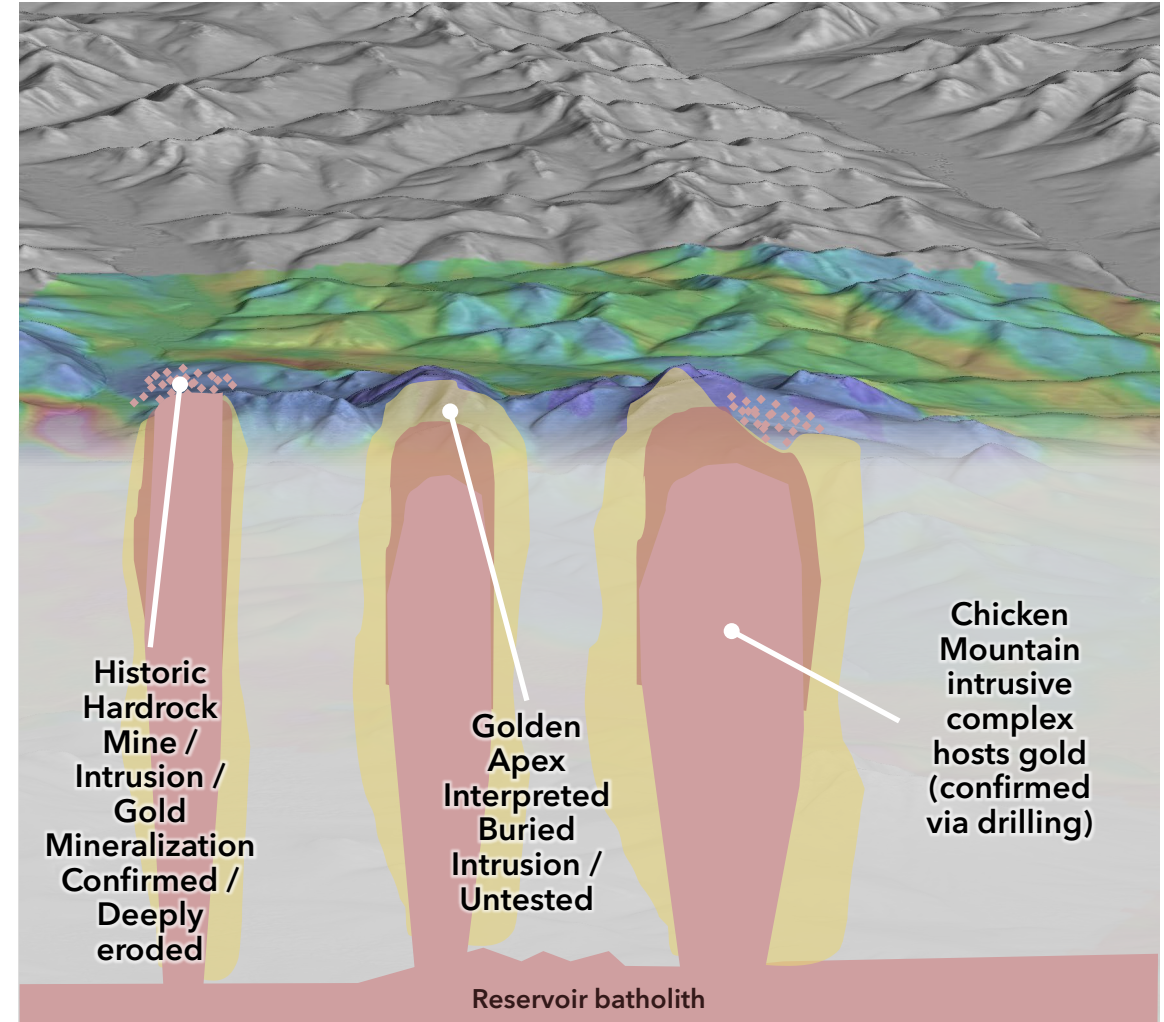
GEOPHYSICS DEMONSTRATE A +11KM LONG INTRUSIVE COMPLEX

CHICKEN MTN EAST AND GOLDEN APEX LIKELY MINERALIZED BASED ON CURRENT EVIDENCE

Oblique View Looking East - Geophysics - 7200 Hz EM



Simplified Cross Section of Intrusion Related Systems



Geology

Engineering

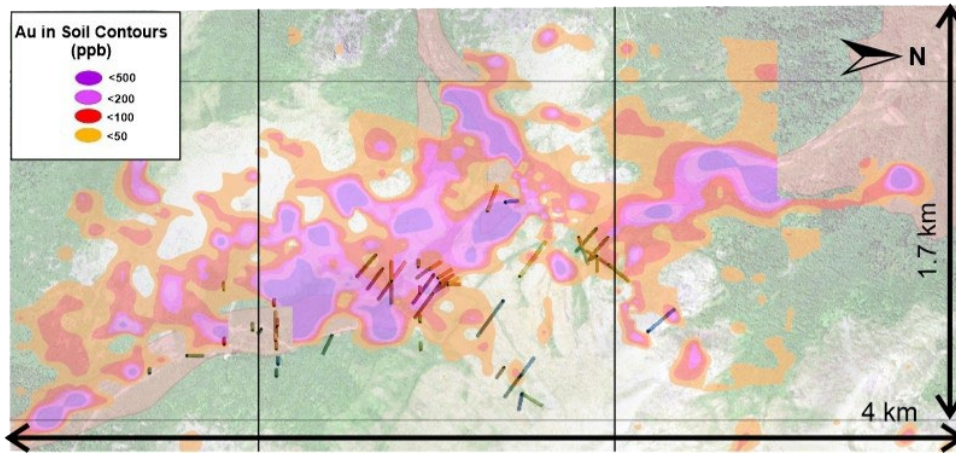
ESG

Infrastructure

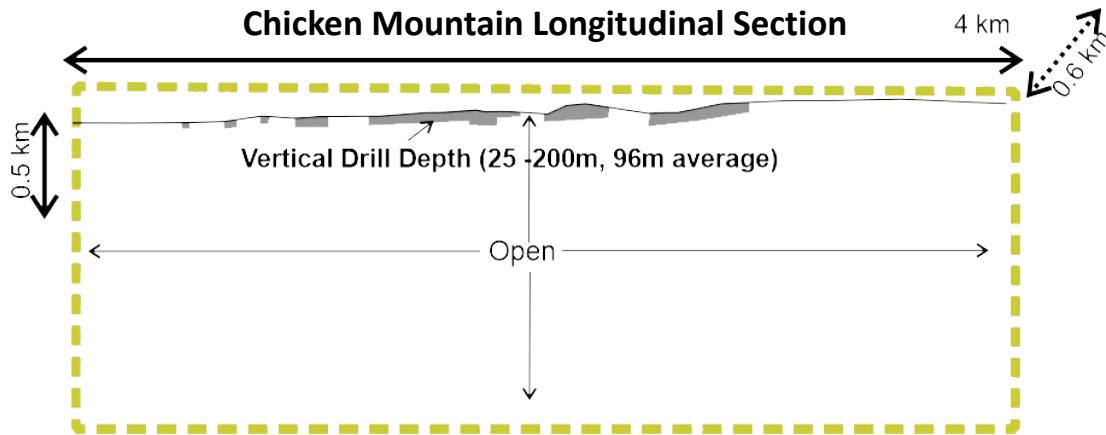
STEP BACK - CONSIDER ONLY THE 4KM CHICKEN MTN SOIL ANOMALY

< 20% OF GOLD-IN-SOIL ANOMALY DRILL TESTED - SHALLOW DRILLING ONLY

Chicken Mountain Plan view



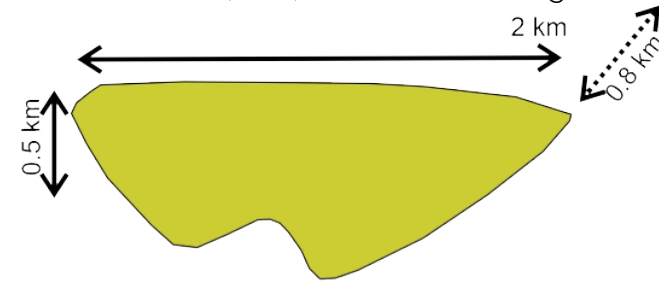
Chicken Mountain Longitudinal Section



Mineralization Footprints of Other Tintina Mines

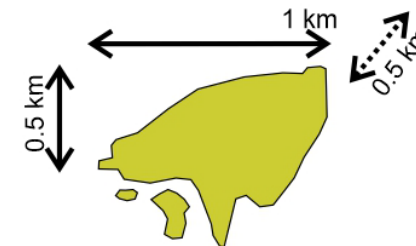
Fort Knox

Past production: 8.2 Moz Au¹
 Mineral Resource (M&I): 3.0 Moz @ 0.83 g/t Au¹



Eagle

M&I Mineral Resource (M&I): 4.3 Moz @ 0.65 g/t Au²



1) Dec. 31, 2022 Annual Mineral and Resource Statement. Proven & Probable Mineral Reserves 1,935koz Au. Mineral Resources are estimated at a cutoff grade of 0.30 g/t Au. 2) 2023 Eagle Gold Mine NI 43-101 Technical Report. Proven and Probable Mineral Reserves total 118Mt at 0.65 g/t Au, containing 2,407k oz Au. The current Eagle Zone Mineral Resources are reported as in-pit resources at a cut-off grade of 0.20 g/t Au. Gold price of \$1,550/oz is assumed.

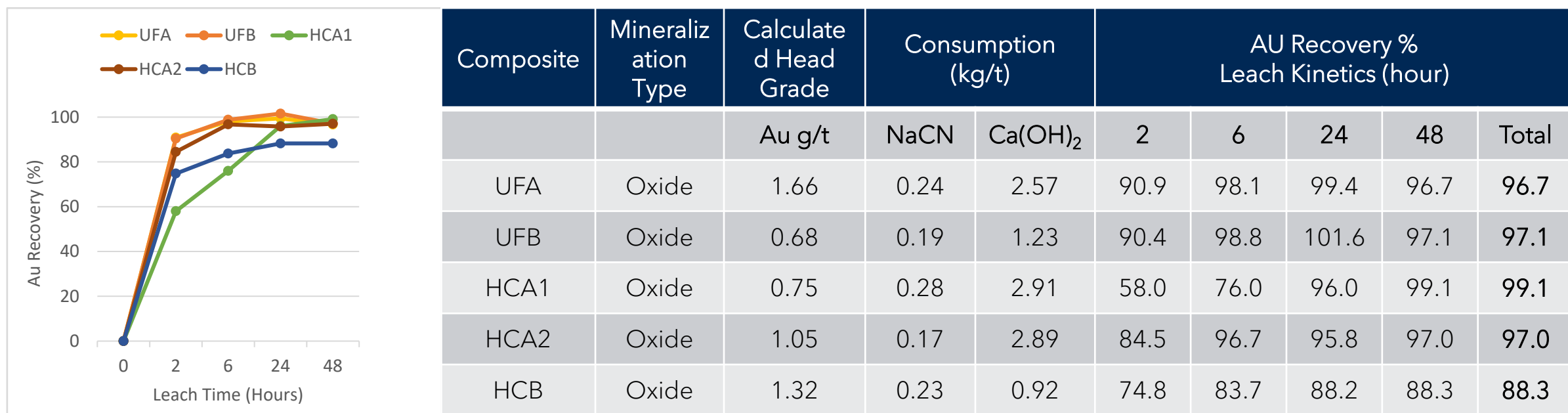
2022 DE-RISKING PRIOR TO 2023 DRILL PROGRAM

METALLURGICAL TESTING ON HISTORICAL DRILL CORE YIELDS 96% AVERAGE GOLD RECOVERY

- Strong and rapid leach kinetics
- Very low cyanide consumption
- Low sulphur content
- No preg robbing identified

Validates potential for heap leach processing

48 Hour Leach Kinetics K80 75µm Grind



Geology

Engineering

ESG

Infrastructure

TECTONIC & DOYON MILESTONE PARTNERSHIP

STRATEGIC INVESTMENTS AND PROJECT AGREEMENTS WITH ALASKA NATIVE REGIONAL CORPORATION

DOYON LTD.

- ▶ One of Alaska's largest Native Regional Corporations
- ▶ Largest private landholder in Alaska (one of the largest in the USA) with 12.5M acres of land selected mostly on the basis of mineral prospectivity, including the Flat Gold Project
- ▶ Over 20,000 shareholders
- ▶ 20-year history of mineral, oil and gas exploration agreements with both junior and senior companies

TECTONIC & DOYON MILESTONE PARTNERSHIP

- ▶ Strategic investments >CA\$3 million by Doyon into Tectonic
- ▶ Doyon is currently Tectonic's second largest shareholder
- ▶ Innovative Discovery-to-Production, ESG/IBA Lease Agreements signed on multiple projects



Geology

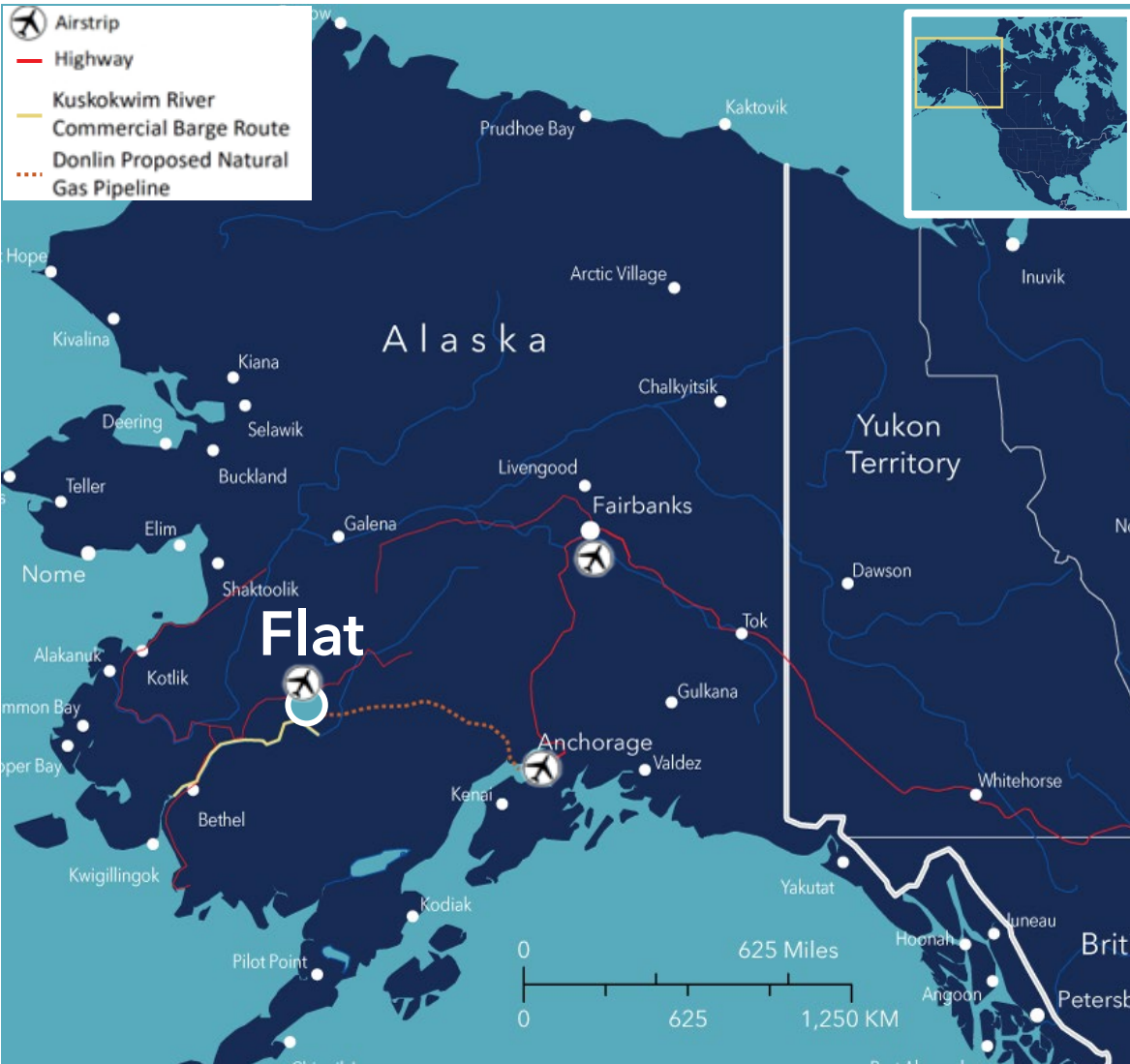
Engineering

ESG

Infrastructure

EXISTING AND NEARBY LOCAL INFRASTRUCTURE

TICKING THE BOXES ON INFRASTRUCTURE



▶ On-site 4,100 ft Flat airstrip

- ▶ Hercules (48,000 lbs payload) capable

▶ Road access from airstrip to mineralized zones

▶ Commercial river barge access

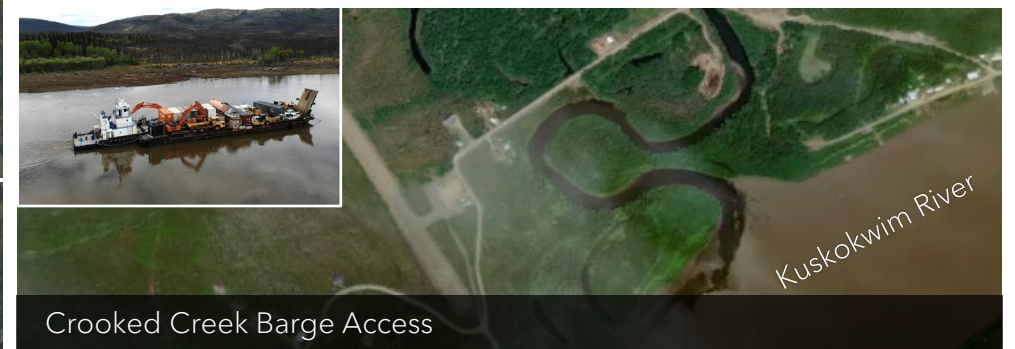
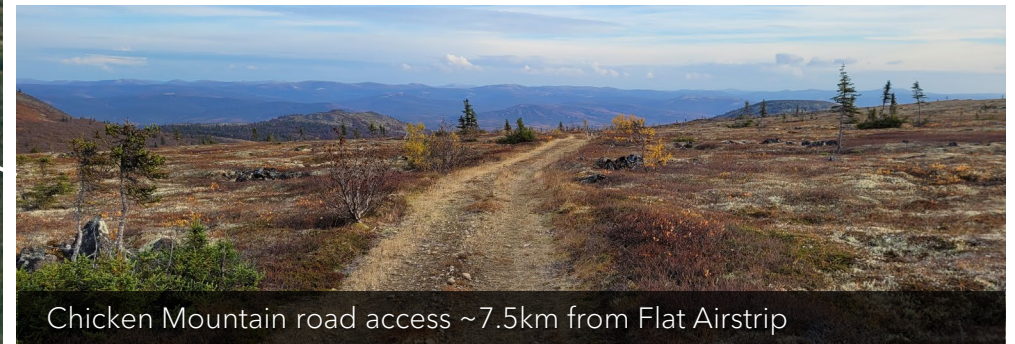
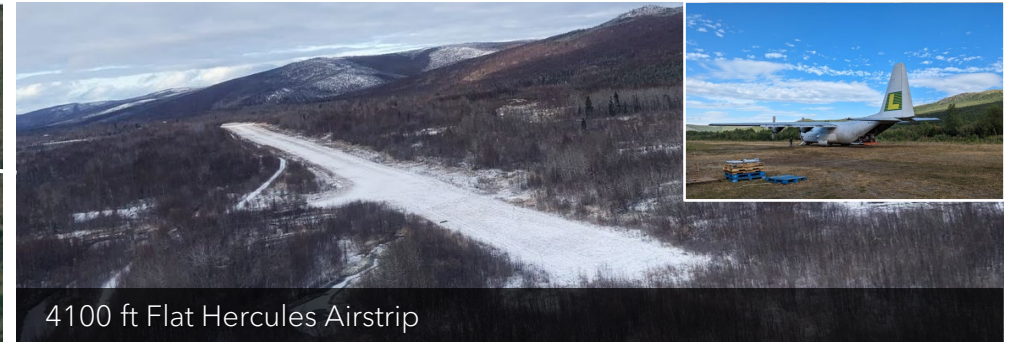
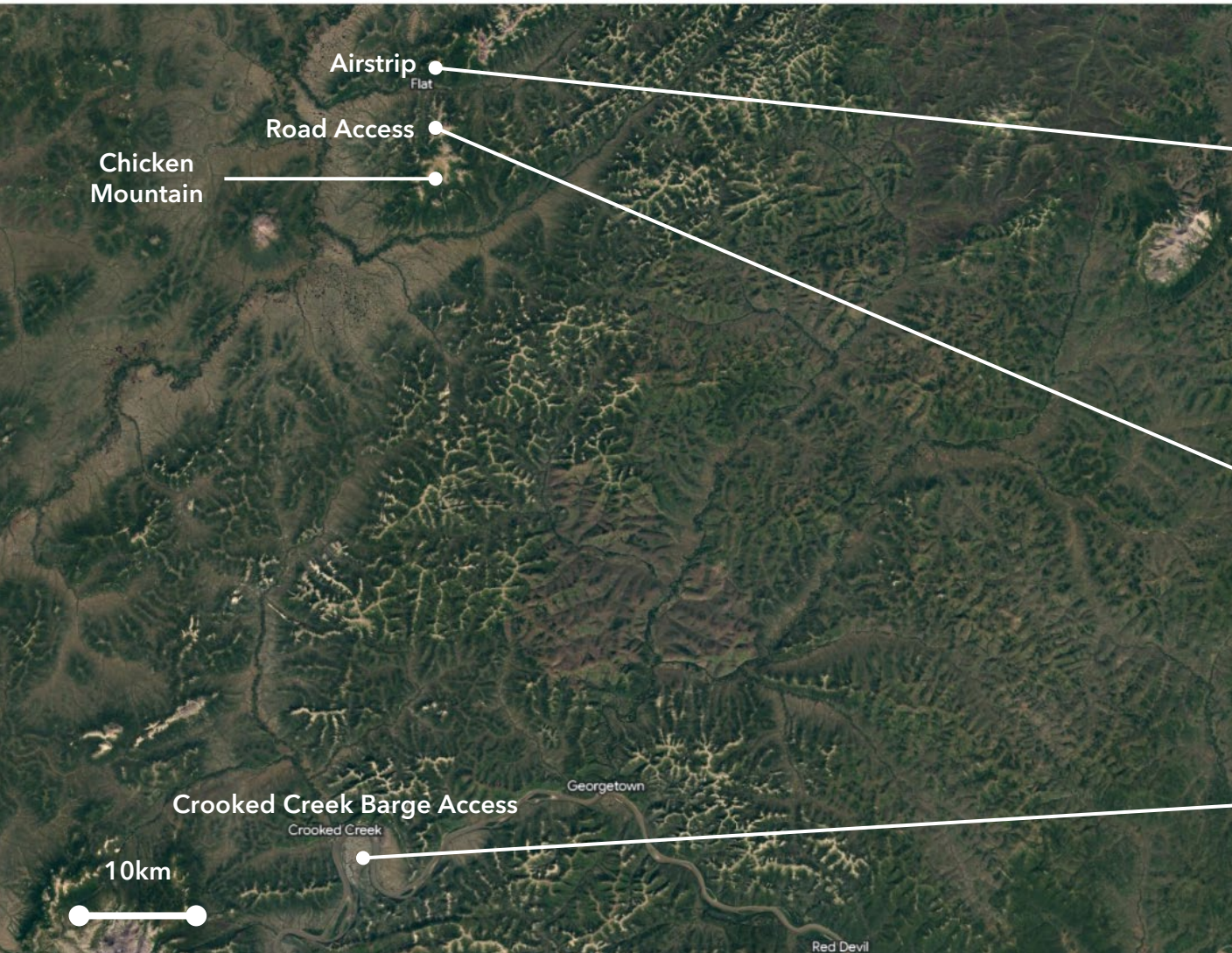
- ▶ Kuskokwim river barge open 6 months out of the year
- ▶ Winter trail from Crooked Creek to Flat

▶ Permitted natural gas pipeline

- ▶ Donlin natural gas pipeline in close proximity

FLAT ONSITE AND NEARBY INFRASTRUCTURE

ROADS TO MINERALIZED ZONES, ONSITE HERCULES AIRSTRIP, COMMERCIAL BARGE ACCESS



Geology

Engineering

ESG

Infrastructure



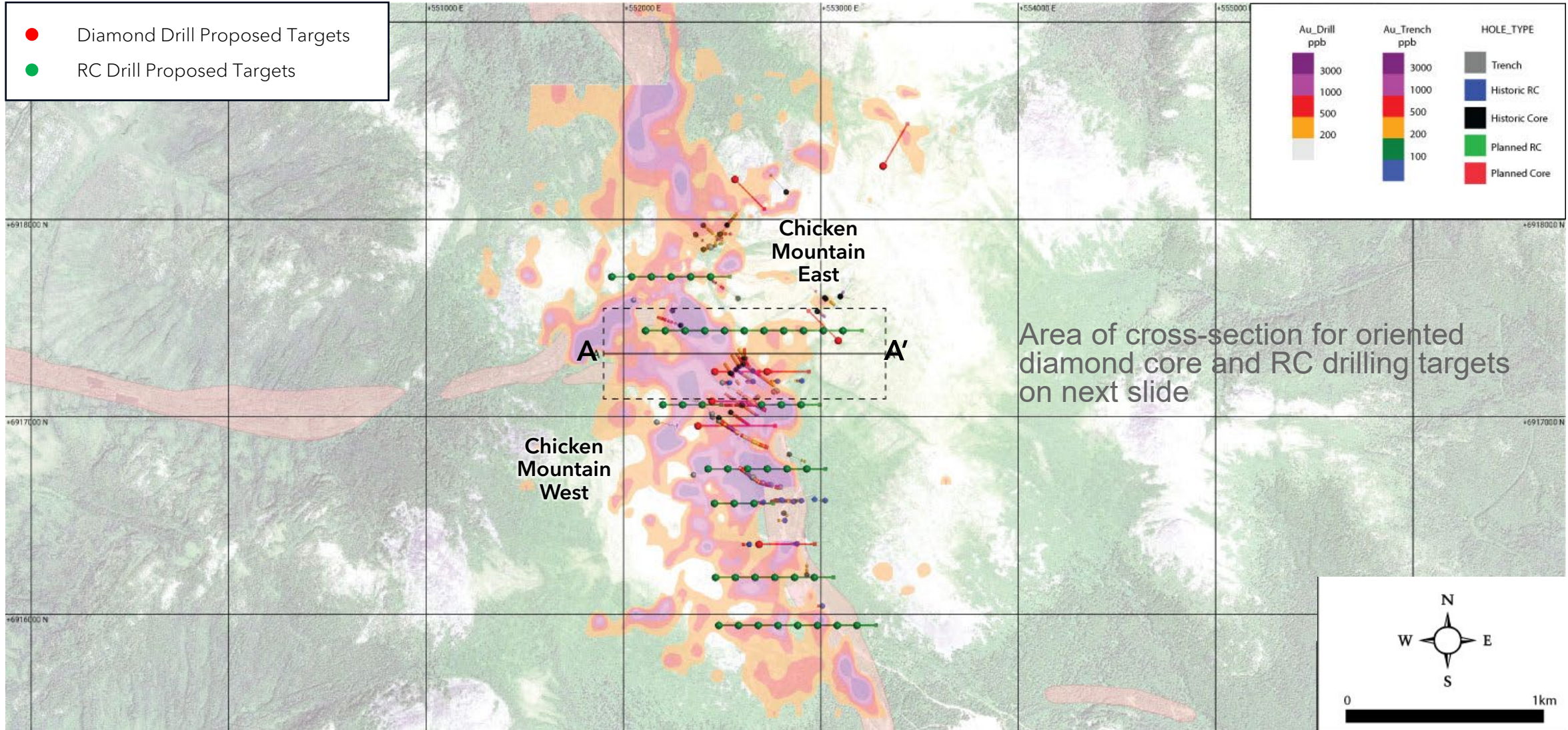
5,000m DRILL PROGRAM FOR 2023

UNLOCKING THE TIER-ONE POTENTIAL OF THE
FLAT GOLD PROJECT

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PROVING THE SCALE OF CHICKEN MOUNTAIN WEST

DIAMOND DRILLING DOWN TO 400 M, RC DRILL FENCES UP TO 1.1KM ACROSS



Geology

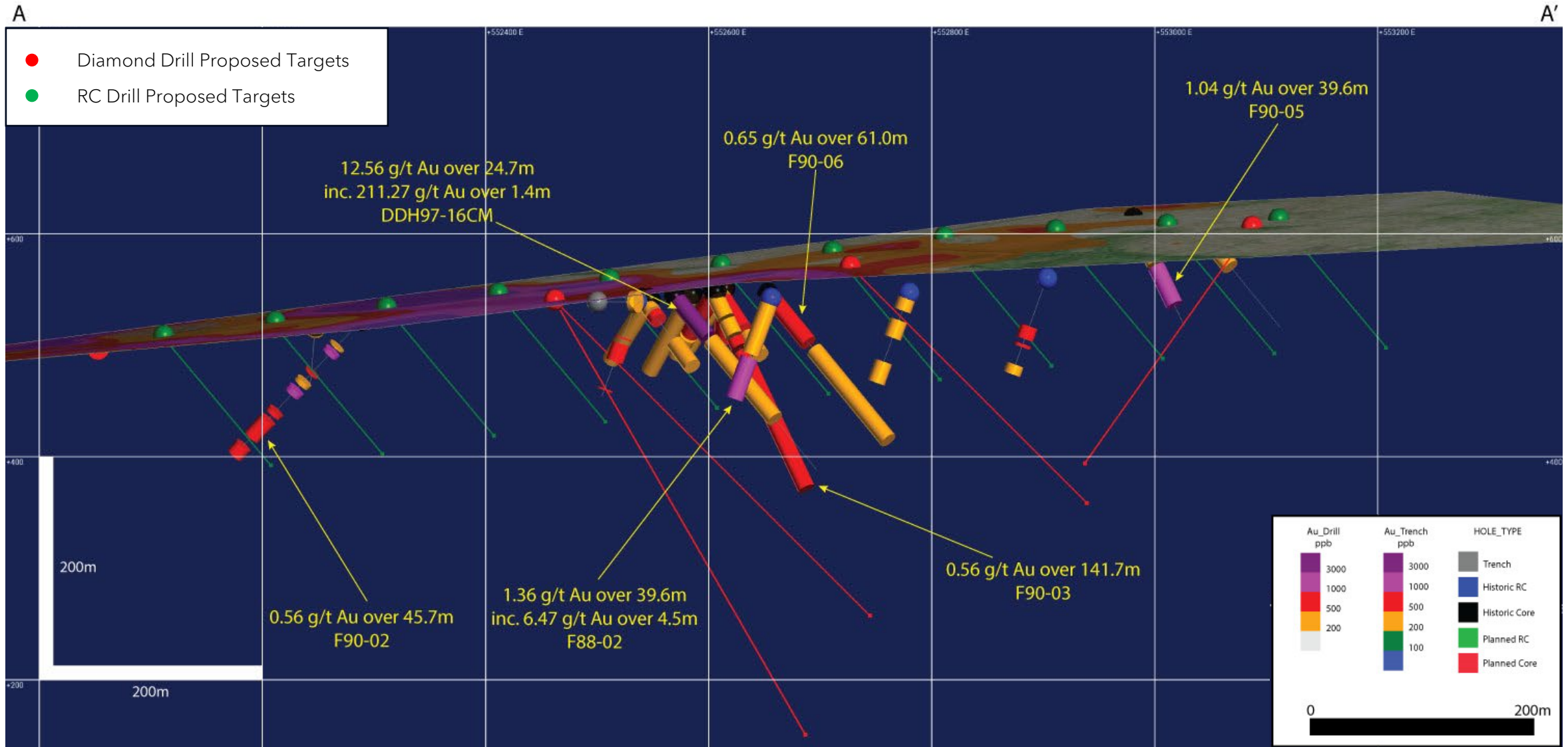
Engineering

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PROVING THE SCALE OF CHICKEN MOUNTAIN WEST

CROSS SECTION OF ORIENTED DIAMOND CORE AND RC DRILLING TARGETS



Geology

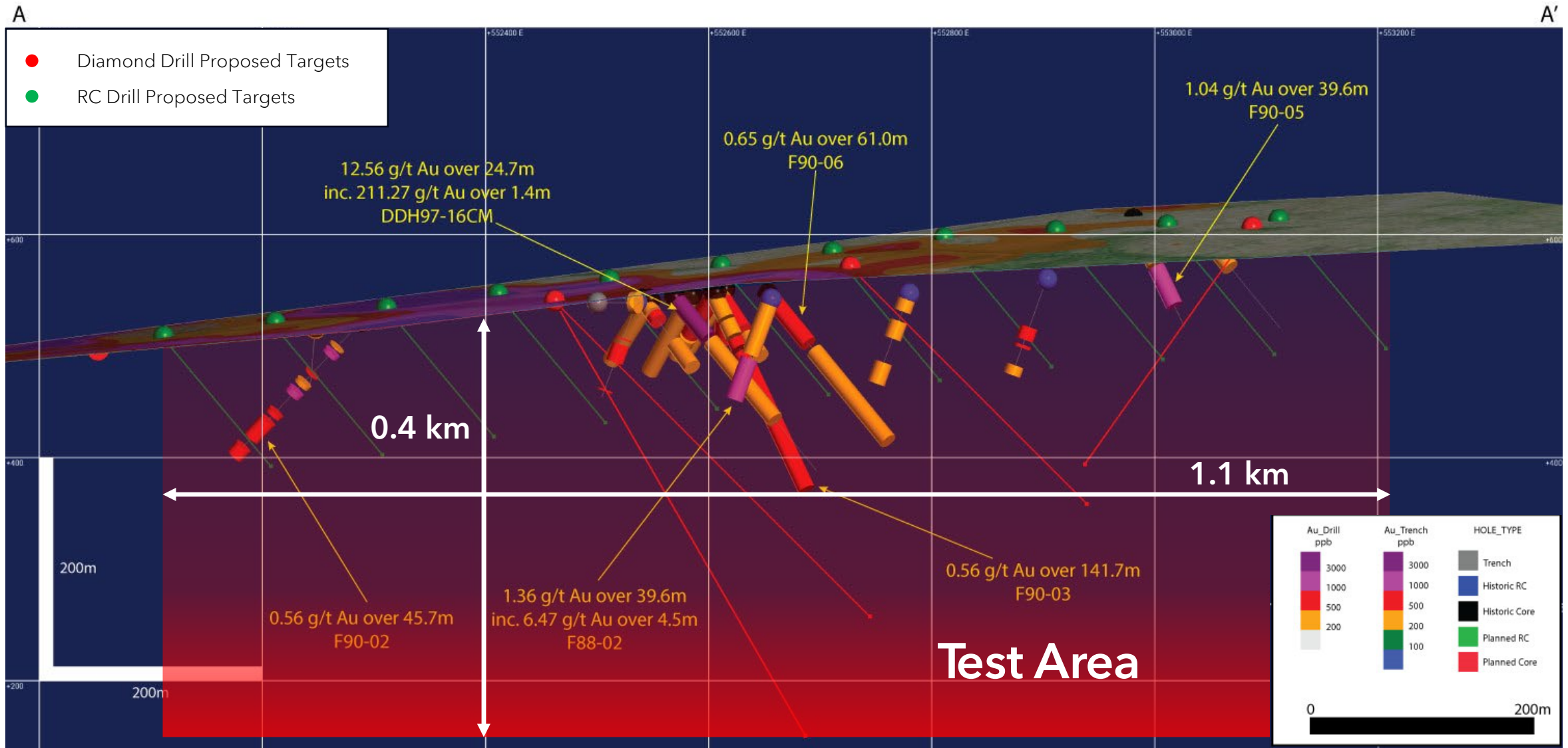
Engineering

ESG

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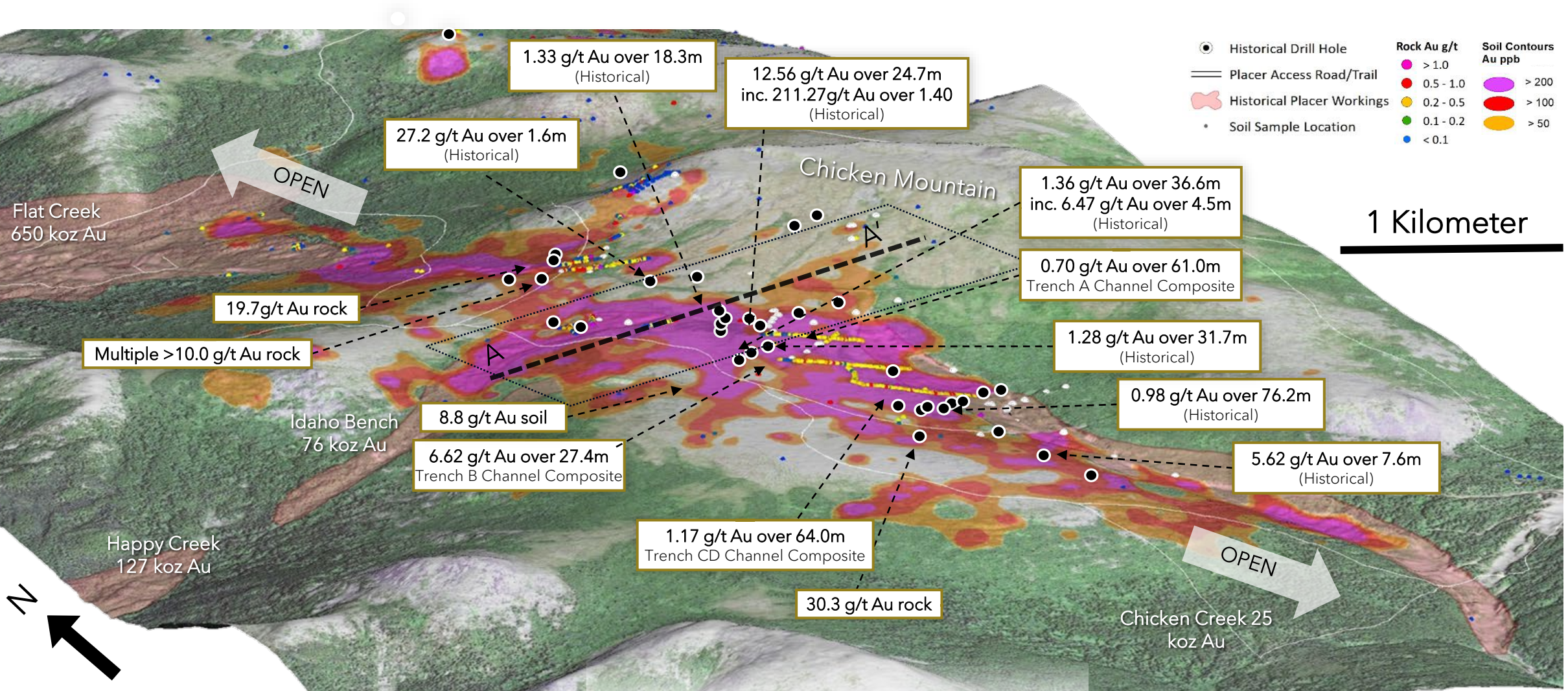
PROVING THE SCALE OF CHICKEN MOUNTAIN WEST

EXTENDING AND DEFINING THE STRUCTURAL ORIENTATION OF GOLD MINERALIZATION



2023 CHICKEN MOUNTAIN WEST PROGRAM RELATIVE TO HISTORICAL RESULTS

A - A' CROSS SECTION OF DRILL PROGRAM SUPERIMPOSED ON EXISTING RESULTS

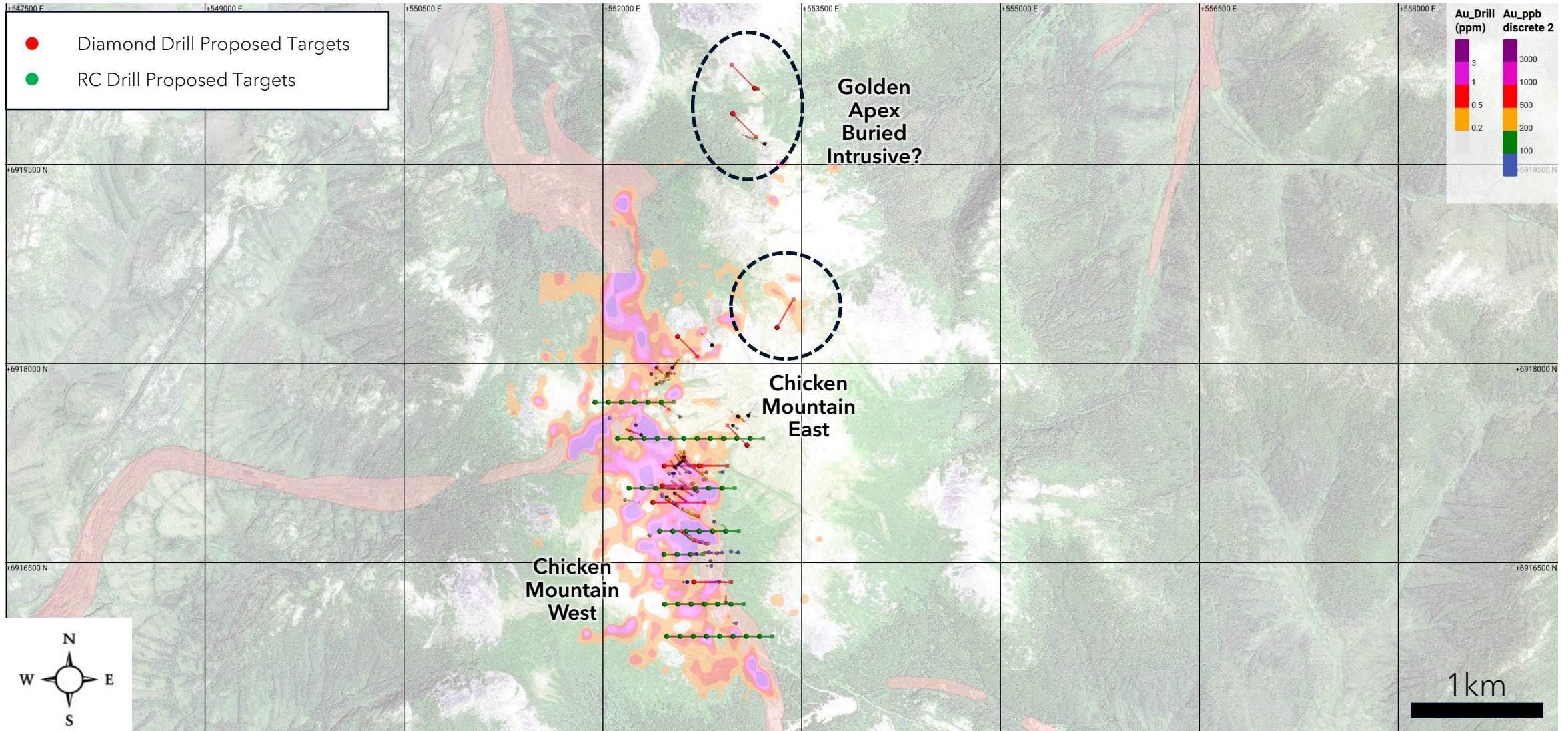


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*Placer production figures from "Mineral Occurrence and Development Potential Report, Locatable and Salable Minerals, Bering Sea-Western Interior Resource Management Plan, BLM Alaska Technical Report 60", prepared by the U.S. Department of the Interior, Bureau of Land Management, November 2010"

TESTING THE MINERALIZATION ABOVE THE GEOPHYSICAL ANOMALY

TARGETING CHICKEN MOUNTAIN EAST AND GOLDEN APEX



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CAPITAL STRUCTURE

AS OF SEPTEMBER 2023

Shares Outstanding	309,816,679
Fully Diluted	416,027,724
Estimated Cash	~CA\$5 million
Debt	None
Supportive Shareholders	8.8% Doyon Limited - One of Alaska's largest native regional corporations 19.9% Crescat Capital
Most Recent Financings	2023: CA\$4,323,096 @ \$0.11/Unit (1 half 2-yr warrant at \$0.15 expiring September 2025) 2023: CA\$3,346,785 @ \$0.11/Unit (1 half 2-yr warrant at \$0.15 expiring July 2025) 2022: CA\$3,100,900 @ \$0.08 Unit (1 Full 2-yr warrant at \$0.12 expiring November 2024)
Options Outstanding	4,175,000 @ \$0.11 weighted average price

UNLOCKING ALASKA'S NEXT TIER 1 OPPORTUNITY

2023'S DRILLING AND EXPLORATION PROGRAM THE NEXT CATALYST

A Team that Executes
with an economic formula
for success

- **> 35 million oz** in gold discoveries
- Linear three-year plan

The Flat Gold Project
is a district scale discovery
that has been methodically
de-risked

- **1.4 million oz** placer gold source
- **11 km long** intrusive complex
- **Metallurgy done ahead of drill program**
- **Production/ESG/IBA in place with Doyon**

5,000m Drill Program
2023 exploration program
represents a significant
catalyst

- **400m** diamond drilling depth to extend mineralization beyond current 100m depth
- **>1km long** strategic RC drill fences to demonstrate scale

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