TSX-V: TECT OTCQB: TETOF

TECTONIC METALS INC.

THE FLAT GOLD PROJECT

ALASKA'S NEXT TIER-1 GOLD MINING OPPORTUNITY

MAY 2025

TSX-V: TECT OTCQB: TETOF

TECTONIC METALS INC.

ALPHA BOWL NEW GOLD DRILL DISCOVERY: 65.53m @ 1.22 g/t Au incl. 6.1m @ 6.0 g/t Au with 1.5m @ 21.7g/t Au

UNLOCKING THE BEDROCK SOURCE OF 650K OUNCES OF PLACER GOLD PRODUCTION*

*See appendix for references

FORWARD LOOKING STATEMENT AND NATIONAL INSTRUMENT 43-101 COMPLIANCE

CAUTIONARY STATEMENT

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.

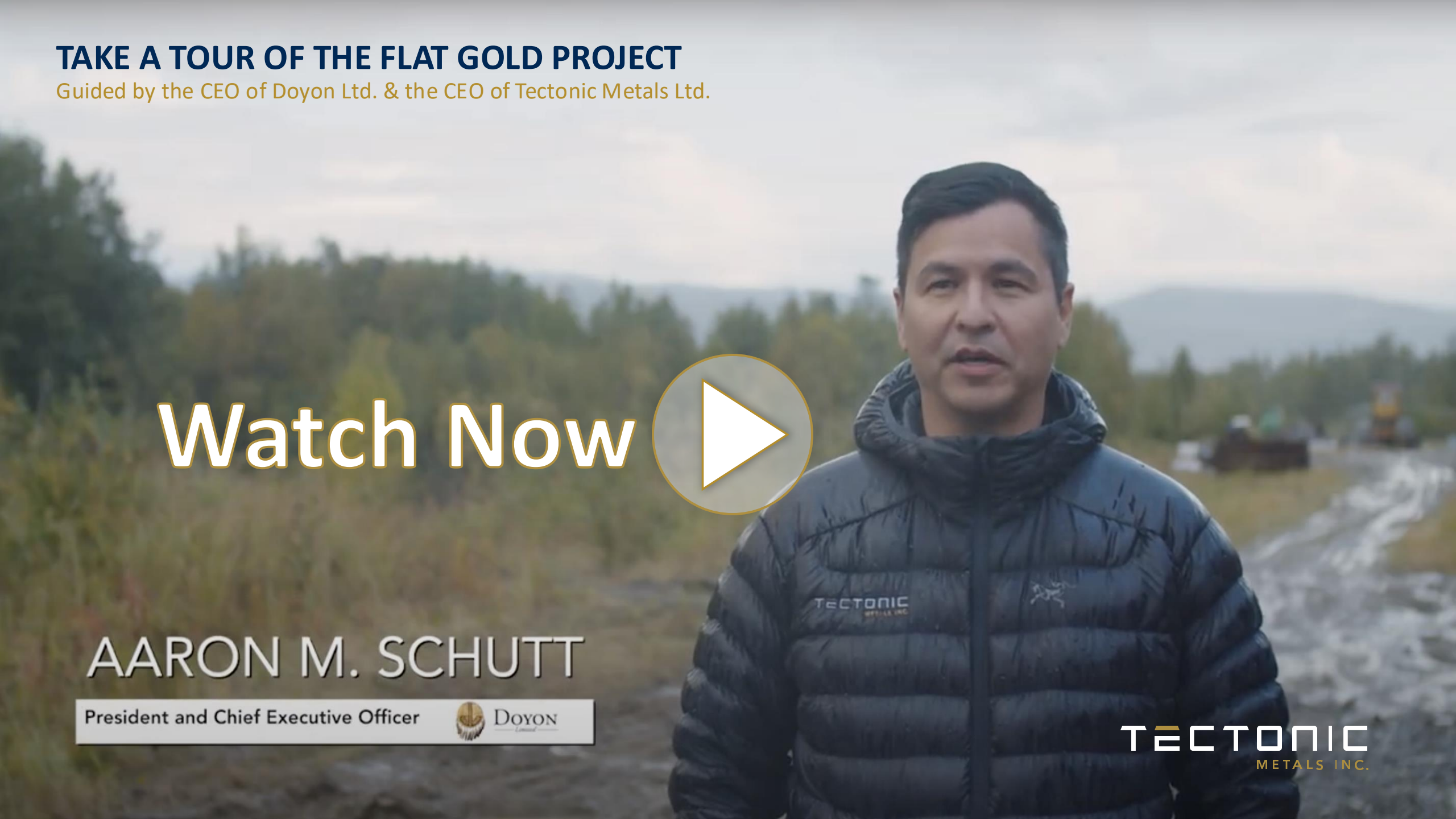
The Company is incorporated under the laws of British Columbia, Canada. Many of the Company's assets are located outside the United States and most or all of its directors and officers are residents of countries other than the United States. As a result, it may be difficult for investors in the United 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.

COMPLIANCE WITH NATIONAL INSTRUMENT 43-101

Peter Kleespies, M.Sc., P.Geo, Vice President for Tectonic Metals Inc, is the Qualified Person for the Company a 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.

TAKE A TOUR OF THE FLAT GOLD PROJECT

Guided by the CEO of Doyon Ltd. & the CEO of Tectonic Metals Ltd.



WHY TECTONIC METALS?

THE TECTONIC METALS ADVANTAGE

THE NEXT TIER-ONE GOLD MINING OPPORTUNITY

BIG DEPOSITS LEAVE BIG FOOTPRINTS

- 1.4Moz[1] historical placer gold production at Flat
- 3 kms drilled strike; 325m vertical depth
- 6 potential district scale deposits
- Located next to the 5th largest undeveloped gold deposit (39Moz Au*) in the world

UPFRONT DERISKING BUSINESS MODEL

- Full scale production ESG/IBA agreement with Alaska Native Regional Corp
- Indigenous Shareholders
- Metallurgical testing year one

INDIGENOUS SHAREHOLDERS & PARTNERSHIP

- **Alaska Native Regional Corp invests >$4M into Tectonic**
- Crescat Capital

TIER ONE JURISDICTION

- **Tier-1 ratings** [2] cement Alaska's reputation as a premier mining destination [3]

PROVEN LEADERSHIP

- Key executives who transformed Kaminak Gold into **a $520 million success story**

*See appendix for references

THE TECTONIC BUSINESS MODEL

FOCUSED ON MINING OPPORTUNITIES NOT "DRILL PLAYS"

Tier 1 Opportunities

- Minimum 5 million oz AU potential
- +10 year mine life
- 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 RIGHT PEOPLE
FOR THE VISION

Multi-Million Ounce Open-Pit Potential

“IN GOD WE TRUST; ALL OTHERS MUST BRING DATA”

PROVENT TRACK RECORD OF SUCCESS IN ALL ASPECTS OF THE EXPLORATION AND MINING BUSINESS

- **Discovery** = +30 million oz Au
- **Development** = 18 Feasibility Studies
- **Permitting** = 20 projects
- **Production** = 16 mines
- **M&A** = $3.7 billion in transactions
- **Capital Raising** = +$2 billion

	Team Member	Role
	Allison Rippin Armstrong	*Chair*
	Tony Reda	*Founder, CEO & President*
	Eira Thomas	*Founder & Advisor*
	Dr. John P. Armstrong Ph.D., P. Geo.	*Director*
	Joseph J. Perkins Jr. B.S.E. (Geo. Eng.), J.D.	*Director*
	Michael W. (Mick) Roper M.Sc., P. Geo.	*Director*
	Peter Kleespies M.Sc., P. Geo.	*VP Exploration*

A COMMITTED, PROVEN AND SUCCESSFUL TEAM

INSIDE OWNERS REPRESENT THE THIRD LARGEST OWNERSHIP BLOCK

	Team Member	Role	Necessary Skill Sets for Successful Exploration/Mining Companies: 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, Formerly longest serving director of Suncor Energy & CEO of Lucara Diamond
	Dr. John P. Armstrong Ph.D., P Geo.	*Director*	●	●	●	●		30+ years of mining, mineral exploration, and government experience including gold projects in Yellowknife, Red Lake, and the Hope Bay Greenstone Belt
	Joseph J. Perkins Jr. B.S.E. (Geo. Eng.), J.D.	*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 M.Sc., P.Geo	*Director*		●	●	●		40+ years' international geological experience spanning the mineral resource development cycle. Past 16 years exploration and M&A for Agnico Eagle.
	Peter Kleespies M.Sc., P.Geo.	*VP Exploration*	●	●		●		30+ years of geological and management experience in mineral exploration globally; Hope Bay Gold discovery sold for $1.5 billion;

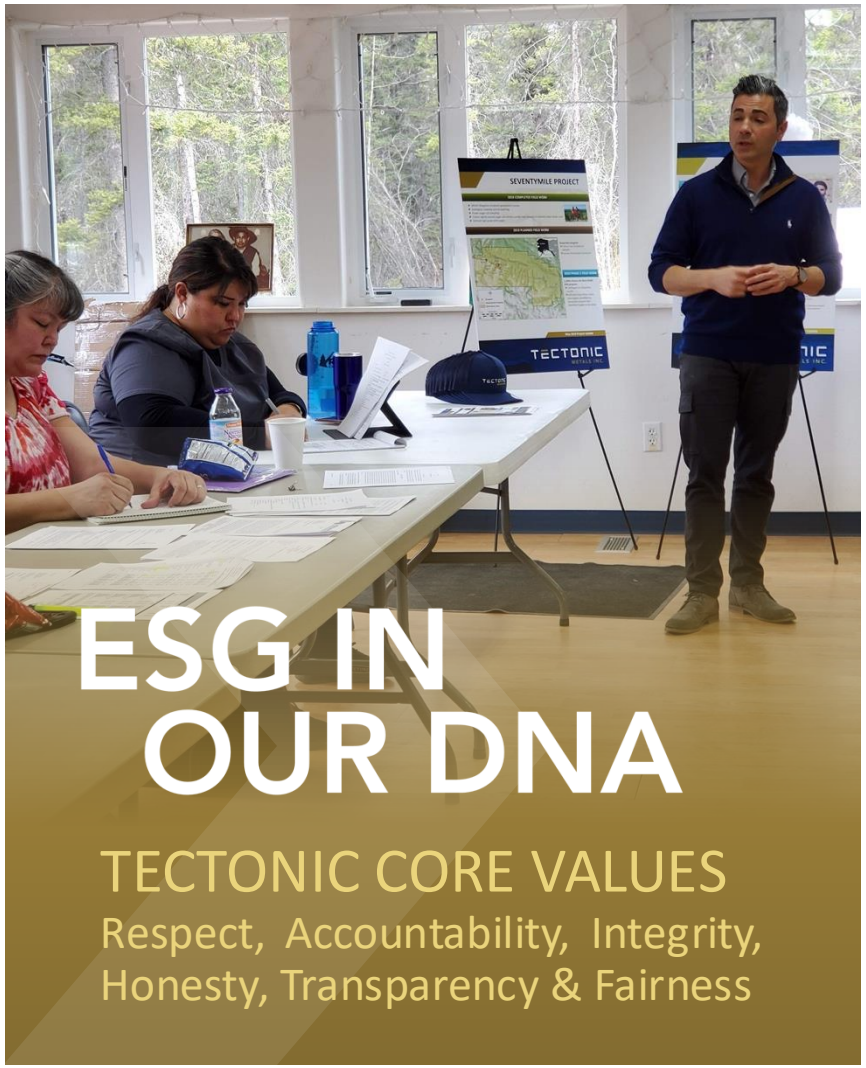
TECHNICAL ADVISORY COMMITTEE

INDUSTRY LEADING STRUCTURAL EXPLORATION GEOLOGISTS AND ENGINEERS

	Name	Designations	Areas of Strength: Structural Geology	Areas of Strength: Heap Leach Mining – Design	Areas of Strength: Heap Leach Mining – Construct	Areas of Strength: Heap Leach Mining – Operate	Notes
	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.
	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).

ESG CONSIDERATIONS FOR A MINING OPPORTUNITY

FINDING GOLD IS OKAY, BUT DISCOVERY, PERMITTABLE, ECONOMIC GOLD IS THE TECTONIC WAY



Can you Permit, Build & Finance a Mine?

Location, Location, Location

- ✓ Mother nature doesn't discriminate where she places her mineral deposits. Not every project needs to become a mine.
- ✓ Can you assess & reduce environmental, social and safety risks?
- ✓ Are the regulatory bodies supportive of the Project?
- ✓ Are First Nations and local communities in support?
- ✓ Can you integrate environmental compliance into your mine plan?
- ✓ Is the political landscape in your favour?

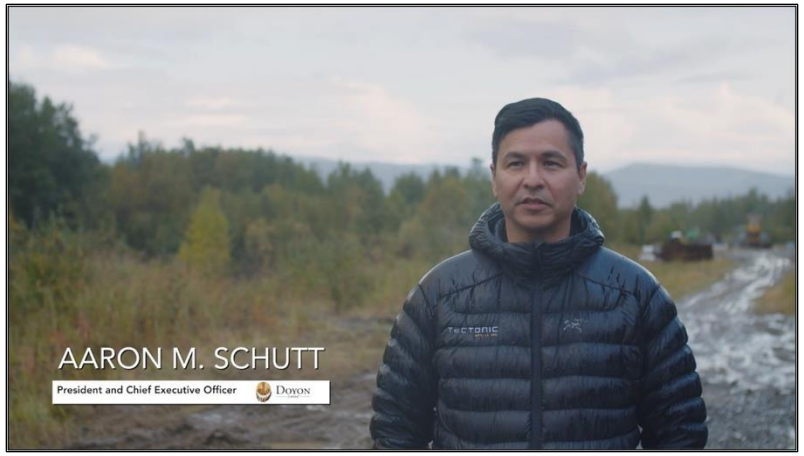
ALASKA NATIVES INVEST OVER $4 MILLION INTO TECTONIC METALS

UNDERPINNED BY PARTNERSHIPS AND STRONG SHAREHOLDERS

TECTONIC METALS INC.

2ND LARGEST SHAREHOLDER

DOYON Limited



TECTONIC & DOYON MILESTONE PARTNERSHIP

- **Doyon, leading for-profit Alaska Native Regional Corp**
- Largest private landholder in Alaska, **12.5M acres of land, including Tectonic's Flat Gold Project**

CRESCAT CAPITAL®
THE VALUE OF GLOBAL MACRO INVESTING

LARGEST SHAREHOLDER

- Dr. Quinton Hennigh & Tony Reda

*"Tectonic is one of our **Top 10 holdings**"*

*"Our support for Tectonic is underscored by us **doubling our ownership** to 22% in the company last year"*

- Dr. Quinton Hennigh, a **renowned geologist with 25+ years of expertise**

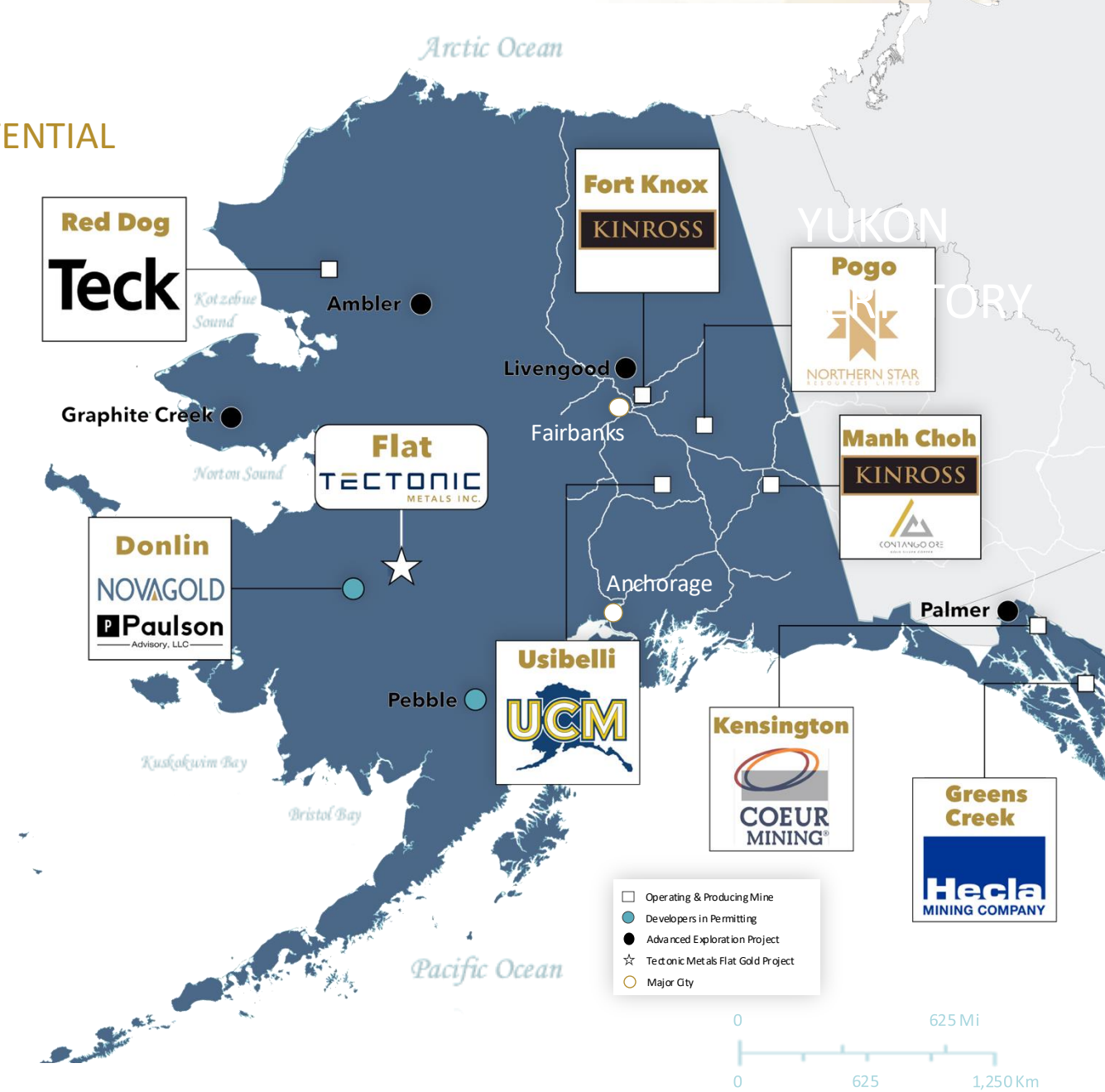
TECTONIC METALS INC.

WHY ALASKA?

ALASKA: TIER-1 MINING JURISDICTION[1]

UNLEASHING ALASKA'S EXTRAORDINARY RESOURCE POTENTIAL

- **"Unleashing Alaska's Extraordinary Resource Potential"** White House Executive Order[2]
- **"Immediate Measures To Increase American Mineral Production"** White House Executive Order[3]
- **7 producing mines** & over 200 placer mines
- **2nd highest** gold producing state in the USA[4]
- **Low geopolitical risk** – 3rd out of 120 mining jurisdictions on the Global Investment Risk Index[5]
- Export value of $1.8 billion, or **36% of Alaska's total exports in** 2017[6]
- Business partnerships with **supportive Native Corporations** through royalty sharing programs[7]
- **$13 billion** in exploration and development since 1981[6]; **$740 million** in 2023[6]



*See appendix for references

FLAT'S ONSITE AND NEARBY INFRASTRUCTURE

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

Donlin Permitted Natural Gas Pipeline

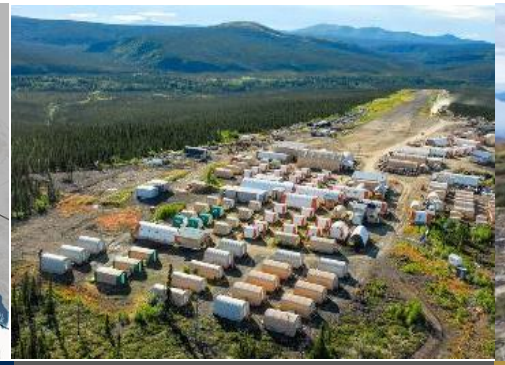
Chicken Mountain Road Access

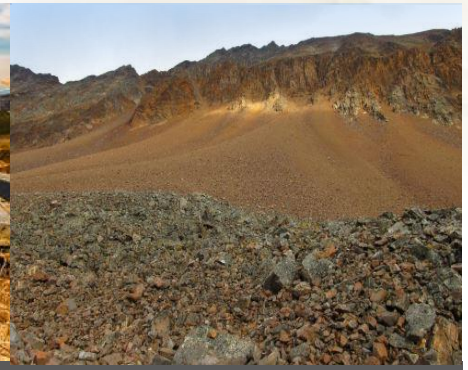
4100 Ft Hercules Capable Airstrip - The Size of a Boeing 747

Crooked Creek Barge River Access

BULK TONNAGE INTRUSION-RELATED TINTINA GOLD SYSTEMS

NOTABLE ANALOGUE MINES & PROJECTS IN TINTINA GOLD PROVINCE





Project	Donlin [1]	Flat	Fort Knox [2]	Rogue [3,4]
Company	Novagold	Tectonic Metals	Kinross	Snowline
Production History	30,000 oz (Placer)	**1.4 million oz (Placer)**	9.0 million oz	-
Resource (Measured and Indicated – incl 2P)	39 million oz	**Discovery Stage**	3.0 million oz	Discovery Stage (7.9 million oz M&I)
Mining & Processing	Open pit, refractory	**Target: open pit, heap leach**	Open pit, heap leach + mill	Target: Open pit free milling
Average Grade	2.24 g/t	-	0.30 g/t (Heap Leach)	1.21 g/t
Recovery	90%	**96% (preliminary)**	81-83%	88%-96% (preliminary)

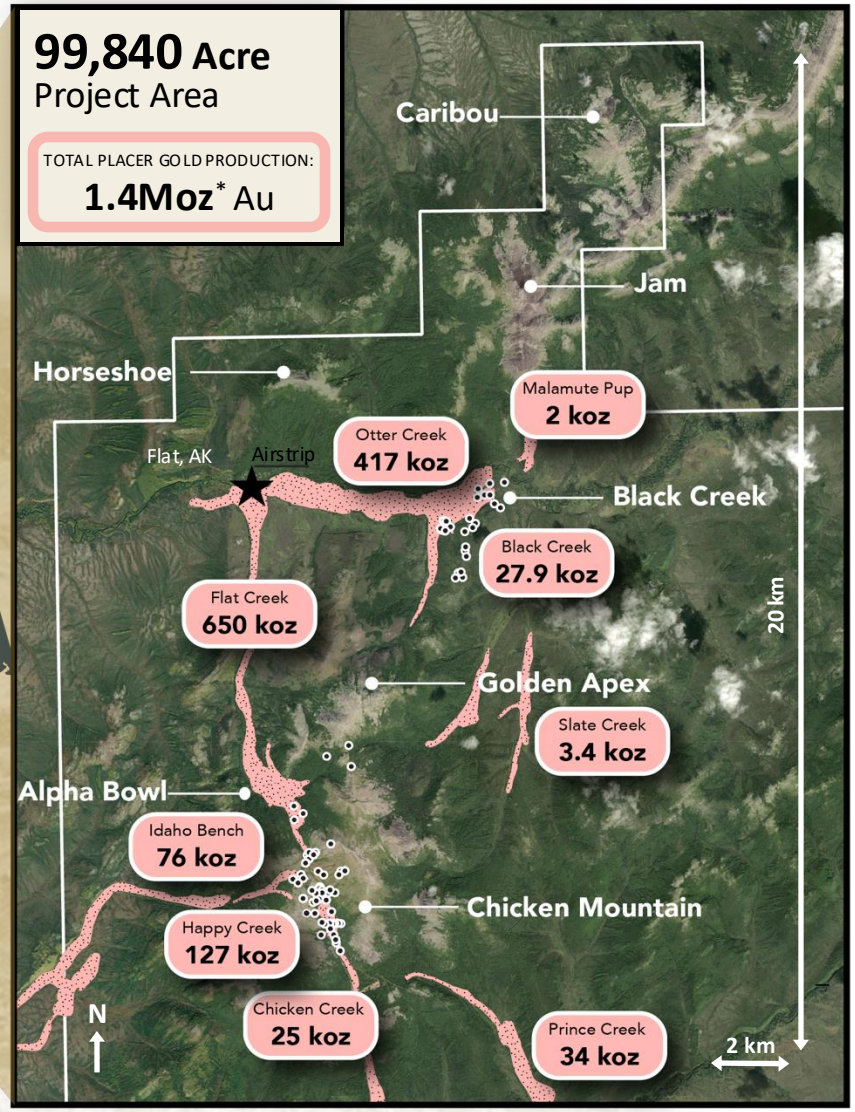
*See appendix for references

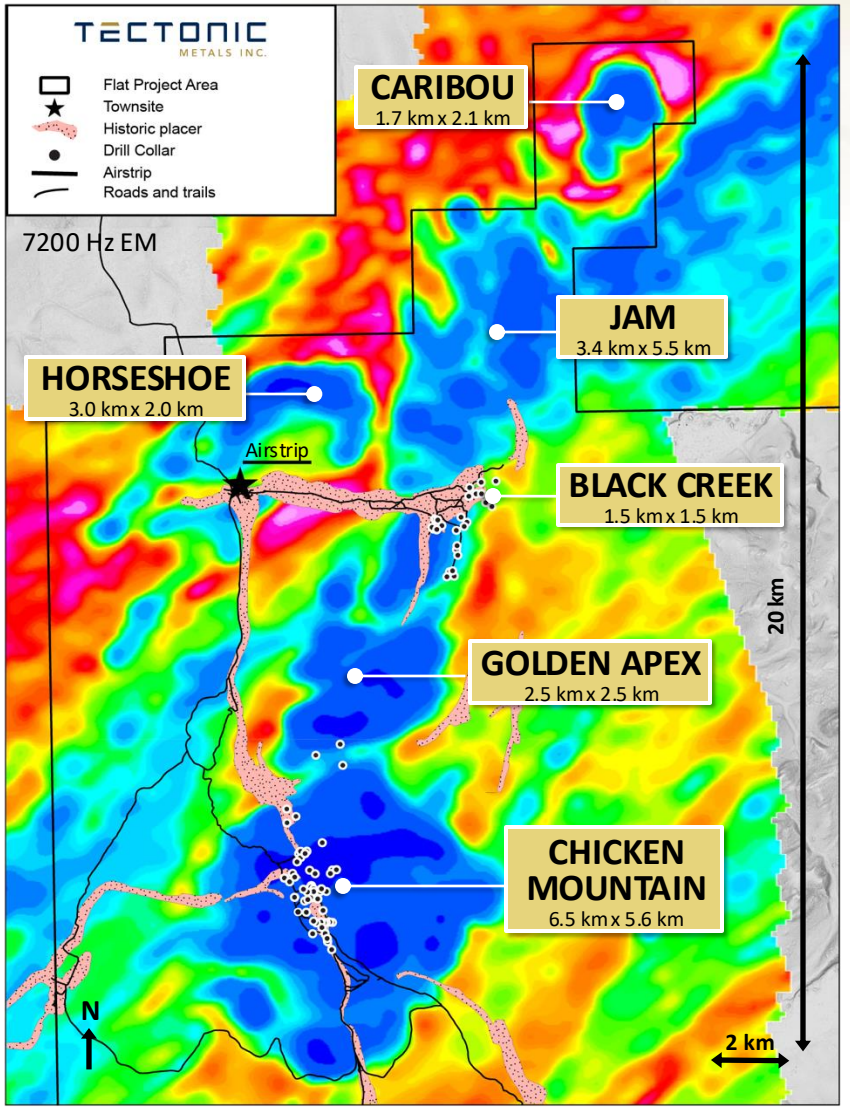
THE FLAT GOLD SYSTEM: POTENTIAL SIX DISTRICT SCALE DEPOSITS

"EVIDENCE IS THE CORNERSTONE OF TRUTH": UNVEILING A 20 KM "STRING-OF-PEARLS" GEOPHYSICAL ANOMALY

6 KM-SCALE INTRUSION TARGETS

PRIMARY TARGET
Chicken Mountain
- Bulk open pit heap leach mining opportunity





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CHICKEN MOUNTAIN INTRUSION

Multi-Million Ounce Open-Pit Potential

POTENTIAL LOW STRIP RATIO

CHICKEN MOUNTAIN IS NOT A MOUNTAIN

- A plateau for kms with **little to no overburden**
- **Gold mineralization starts at surface**
- **Favourable topography** aligned with gold zones

“BIG DEPOSITS LEAVE BIG FOOTPRINTS”

MULTIPLE LAYERS OF COMPELLING GEOLOGICAL EVIDENCE

1.4 Moz[1] Recorded Placer Production At Flat

- 3rd richest placer gold mining jurisdiction in Alaska[1]
- Chicken Mountain credited as primary bedrock source
- Every stream draining out of Chicken Mountain carries placer gold

District-Scale Soil and Geophysical Anomalies

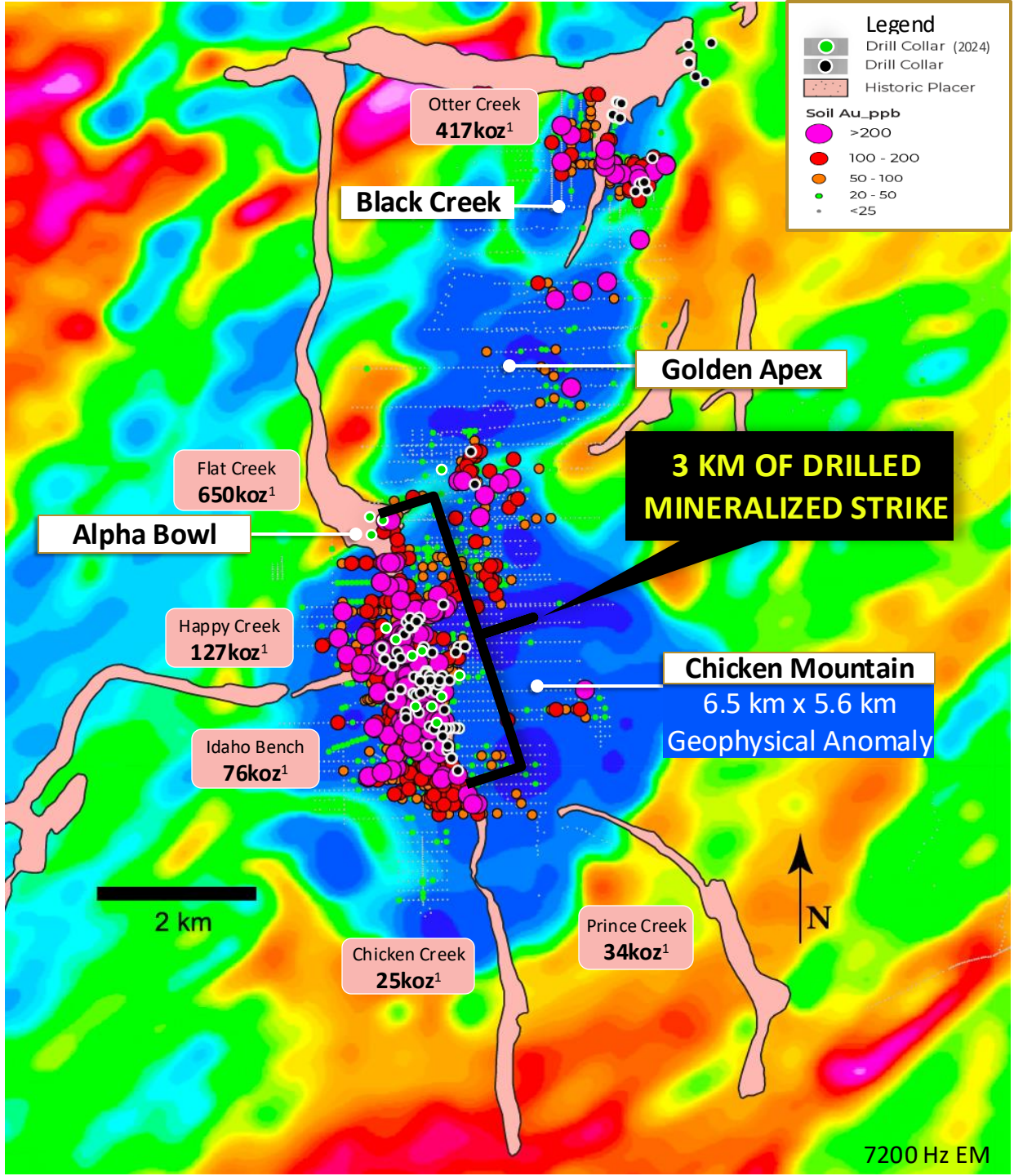
- Each geophysical circular anomaly indicates a potential deposit
- ~4 km Long High-Tenor Gold-In-Soil Anomaly
- Soil sampling + geophysics: a proven exploration methodology with a 100% drill success rate

100% Drill Success Rate At Chicken Mountain

- All 86 holes intersected gold mineralization
- 46 of 86 drill holes ending in mineralization
- 3 kms of drilled mineralized strike, 325m vertical depth – open in all directions

The Potential to Make Every Ounce Count

- Industry leading 96% average gold recoveries from heap leach column testing



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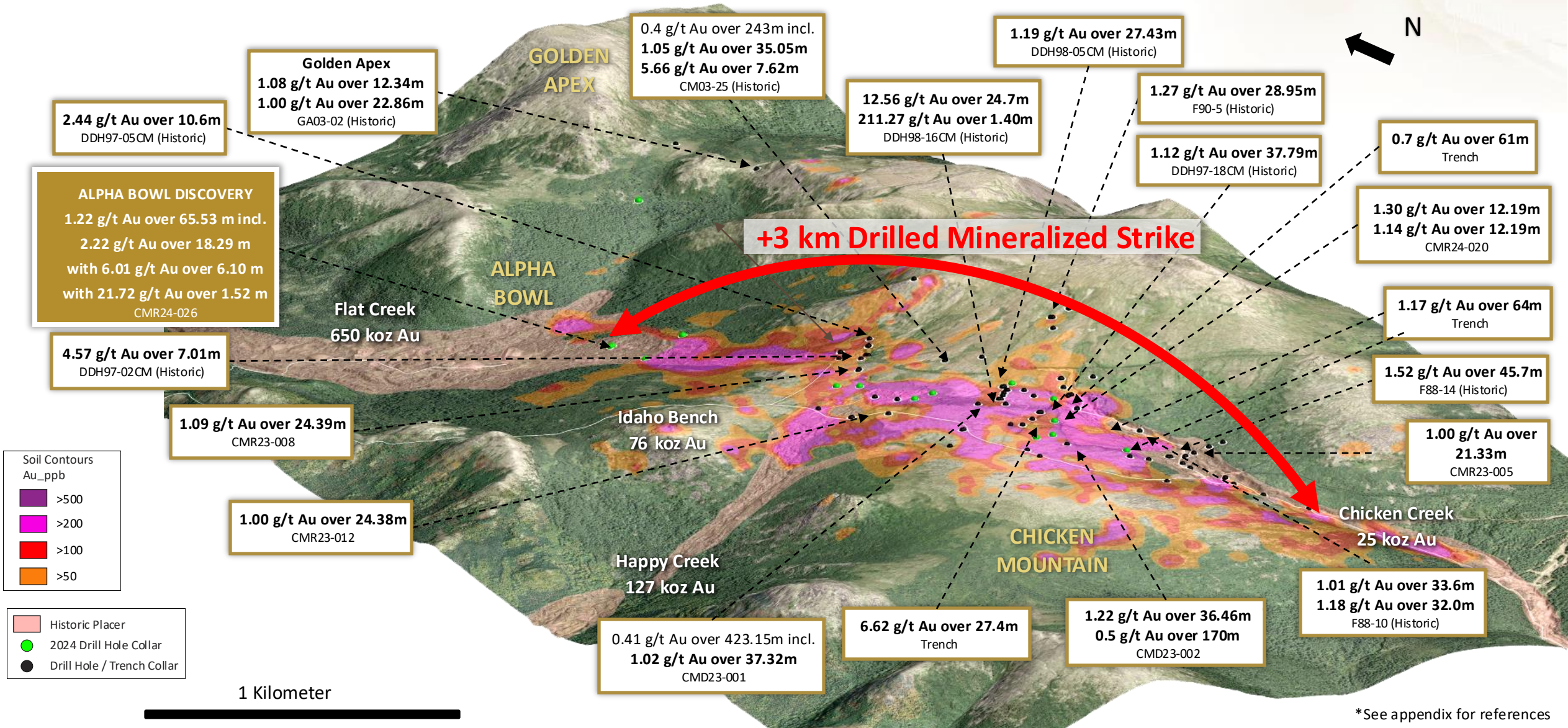
*See appendix for references

+3 KMS OF DRILLED MINERALIZED STRIKE, 325METRE VERTICAL DEPTH – OPEN IN ALL DIRECTIONS

100% DRILL SUCCESS RATE, 86 HOLES DRILLED – ALL HIT GOLD



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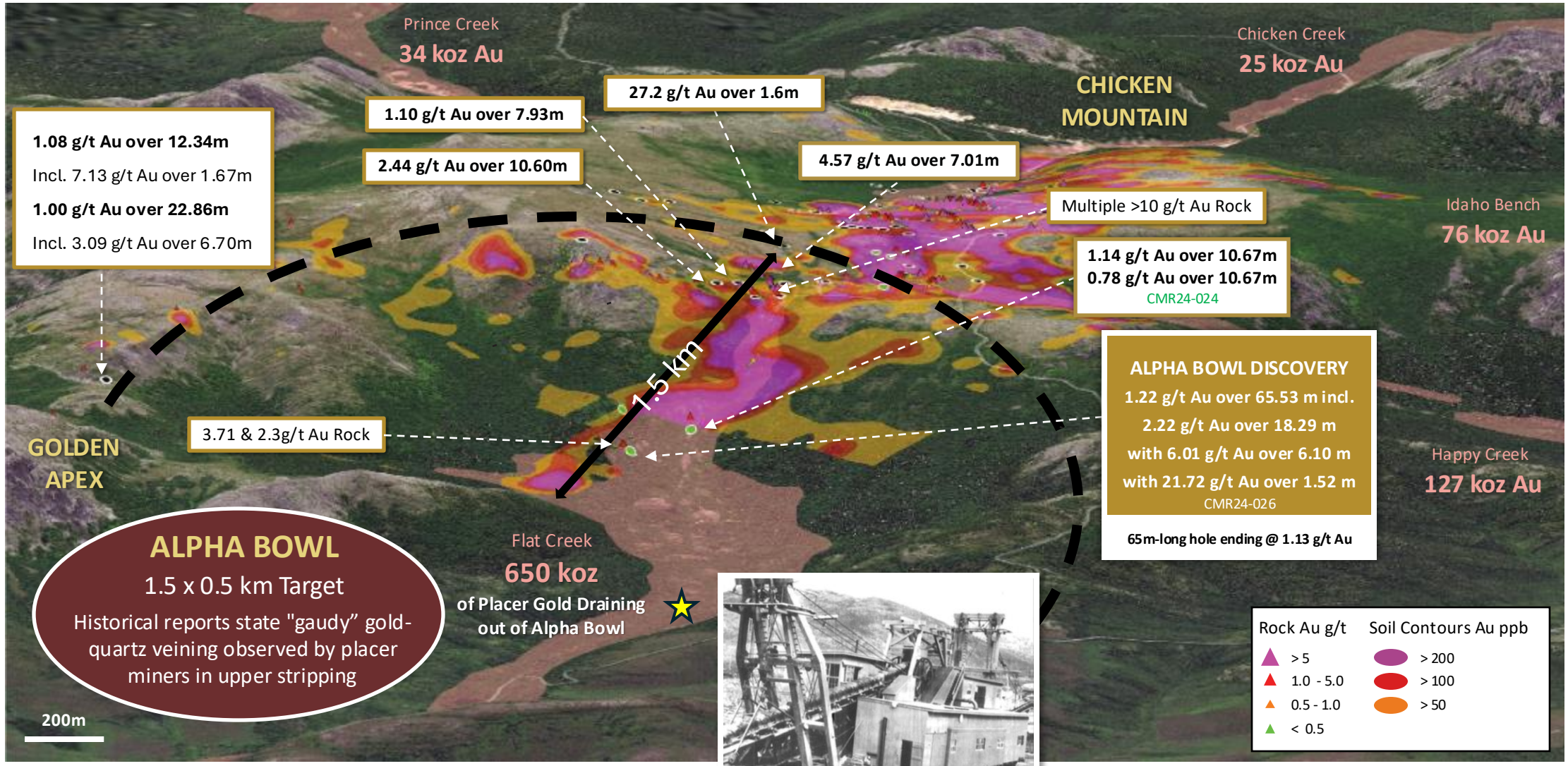
ALPHA BOWL: NEW GOLD DISCOVERY – 65.53m @ 1.22 g/t Au, incl. 6.1m @ 6.0 g/t Au with 1.5m @ 21.7g/t Au

UNLOCKING THE BEDROCK SOURCE OF 650K OUNCES OF PLACER GOLD

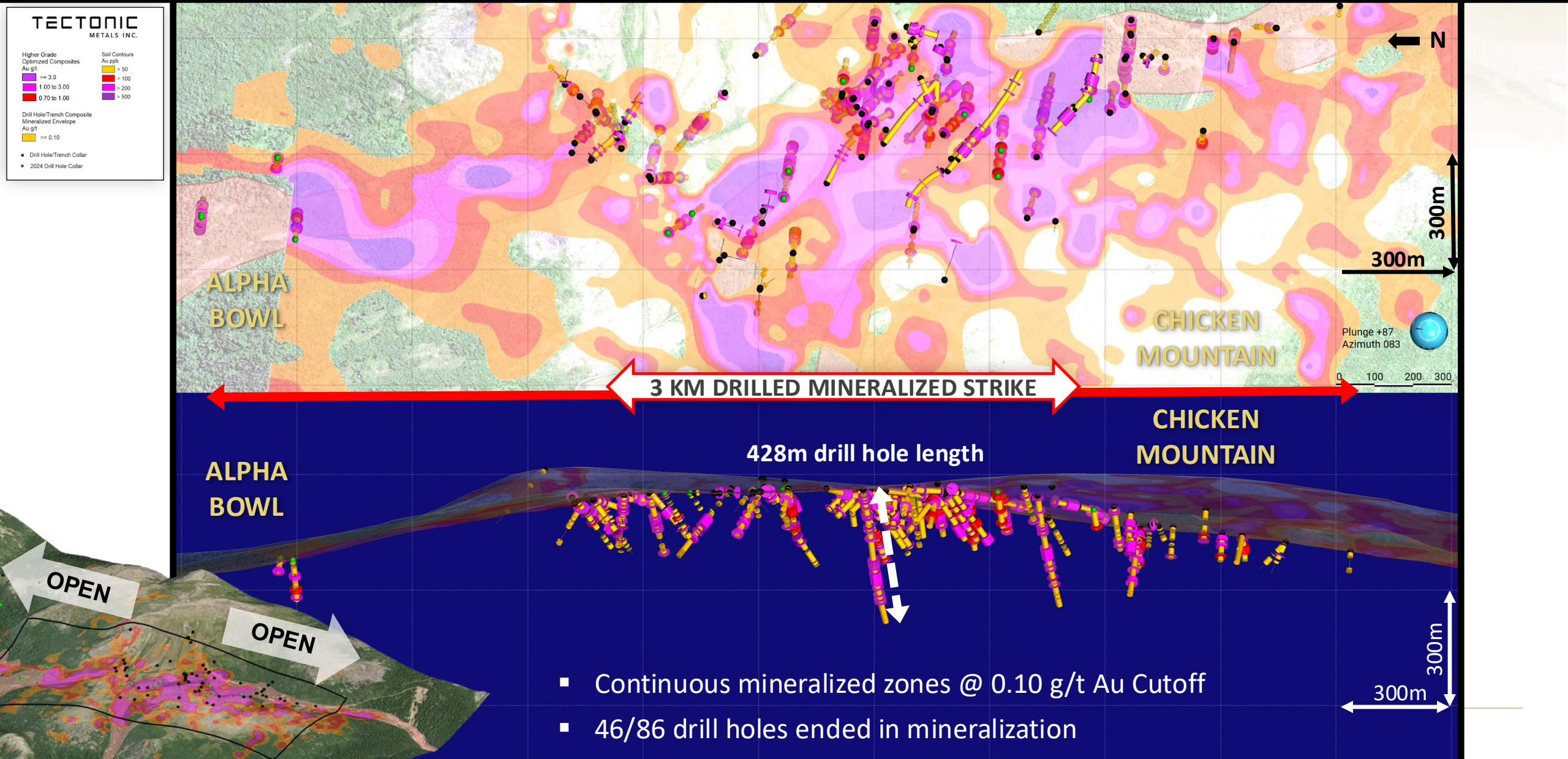


Dredge on upper Flat Creek, 1912 (yellow star)

*See appendix for references

+3 KMS OF DRILLED MINERALIZED STRIKE = MULTI-MILLION OZ OPEN-PIT OPPORTUNITY

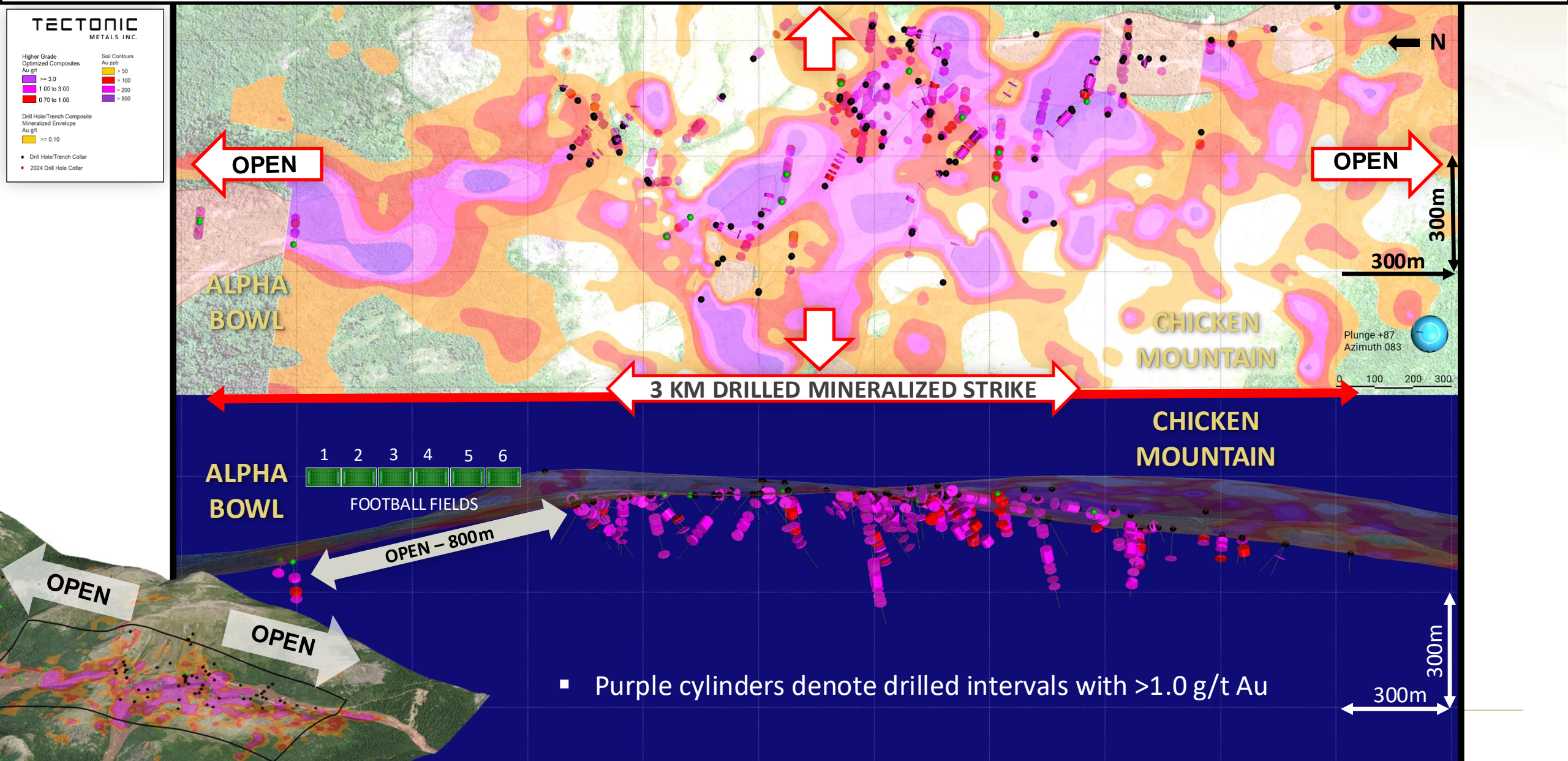
GOLD BEGINS AT SURFACE + NO OVERBURDEN + GENTLE TOPOGRAPHY = **POTENTIAL FOR LOW STRIP & WASTE-TO-ORE RATIO**



- Continuous mineralized zones @ 0.10 g/t Au Cutoff
- 46/86 drill holes ended in mineralization

+3 KMS OF DRILLED MINERALIZED STRIKE = MULTI-MILLION OZ OPEN-PIT OPPORTUNITY

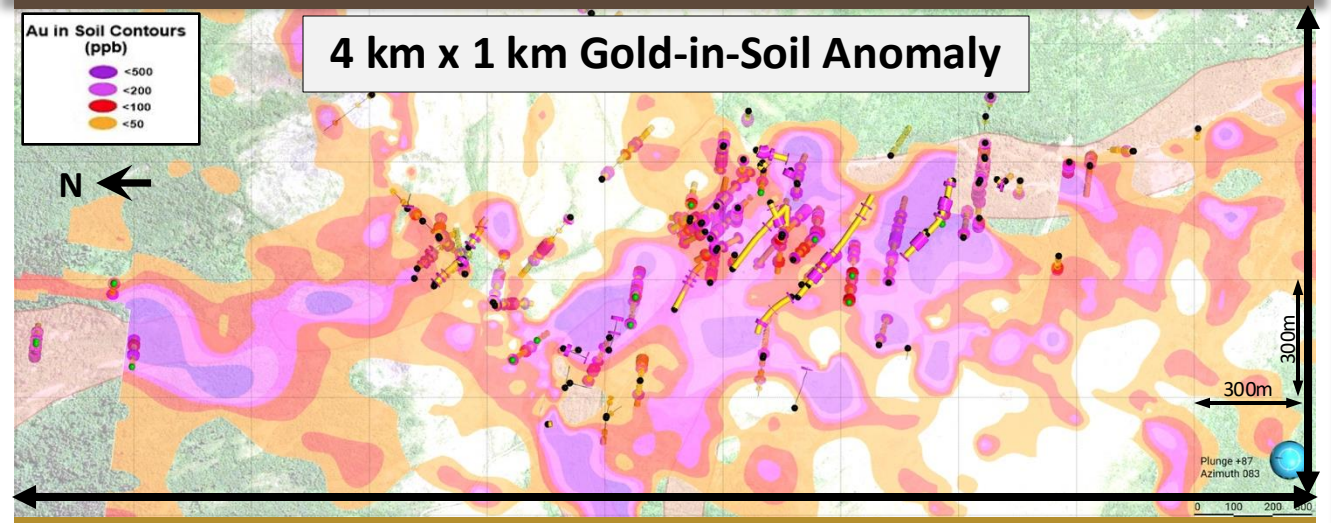
GOLD BEGINS AT SURFACE + NO OVERBURDEN + GENTLE TOPOGRAPHY = **POTENTIAL FOR LOW STRIP & WASTE-TO-ORE RATIO**



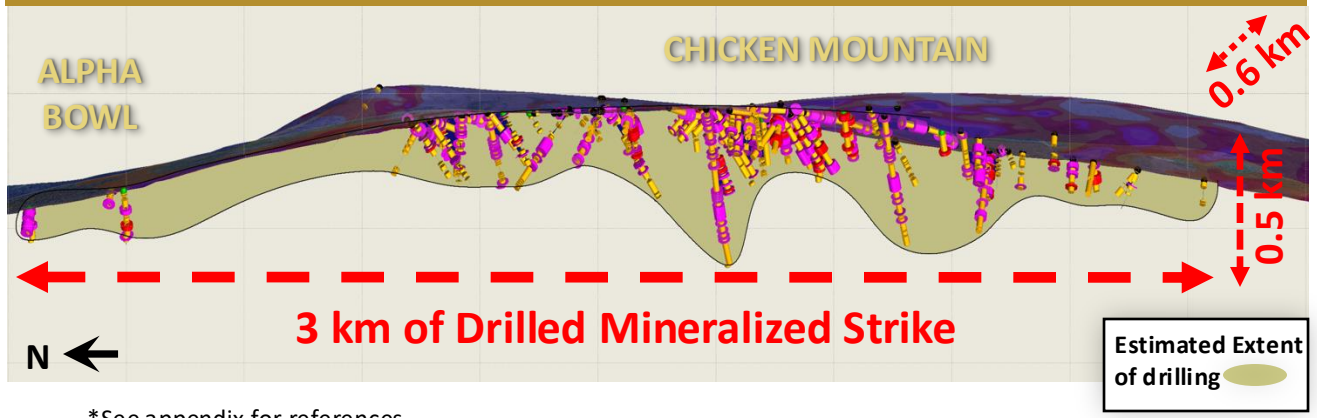
WITH A 100% DRILL SUCCESS RATE, GOLD-IN-SOIL ANOMALIES INDICATE POTENTIAL DEPOSIT SIZE

< 50% OF GOLD-IN-SOIL ANOMALY DRILL TESTED TO DATE

Chicken Mountain Mineralization Footprint Plan view



Chicken Mountain Drilling Longitudinal Section



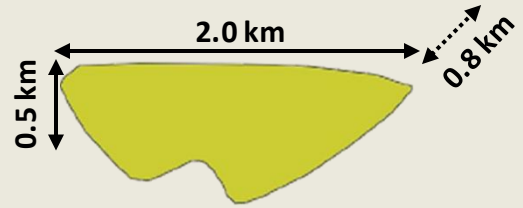
Mineralization Footprints of Other Tintina Projects

KINROSS

FORT KNOX MINE

Past production:
9.0 Moz Au[1]

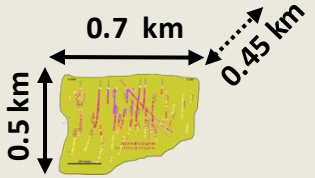
Mineral Resource (M&I):
3.0 Moz @ 0.83 g/t Au[1]



SNOWLINE GOLD CORP.

ROGUE PROJECT

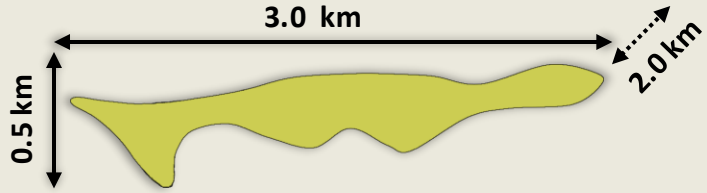
Mineral Resource (M&I):
7.94 Moz @ 1.21 g/t Au[2]



NOVAGOLD

DONLIN GOLD PROJECT

Mineral Resource (M&I):
39 Moz @ 2.24 g/t Au[3]



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LEVERAGING METALLURGY

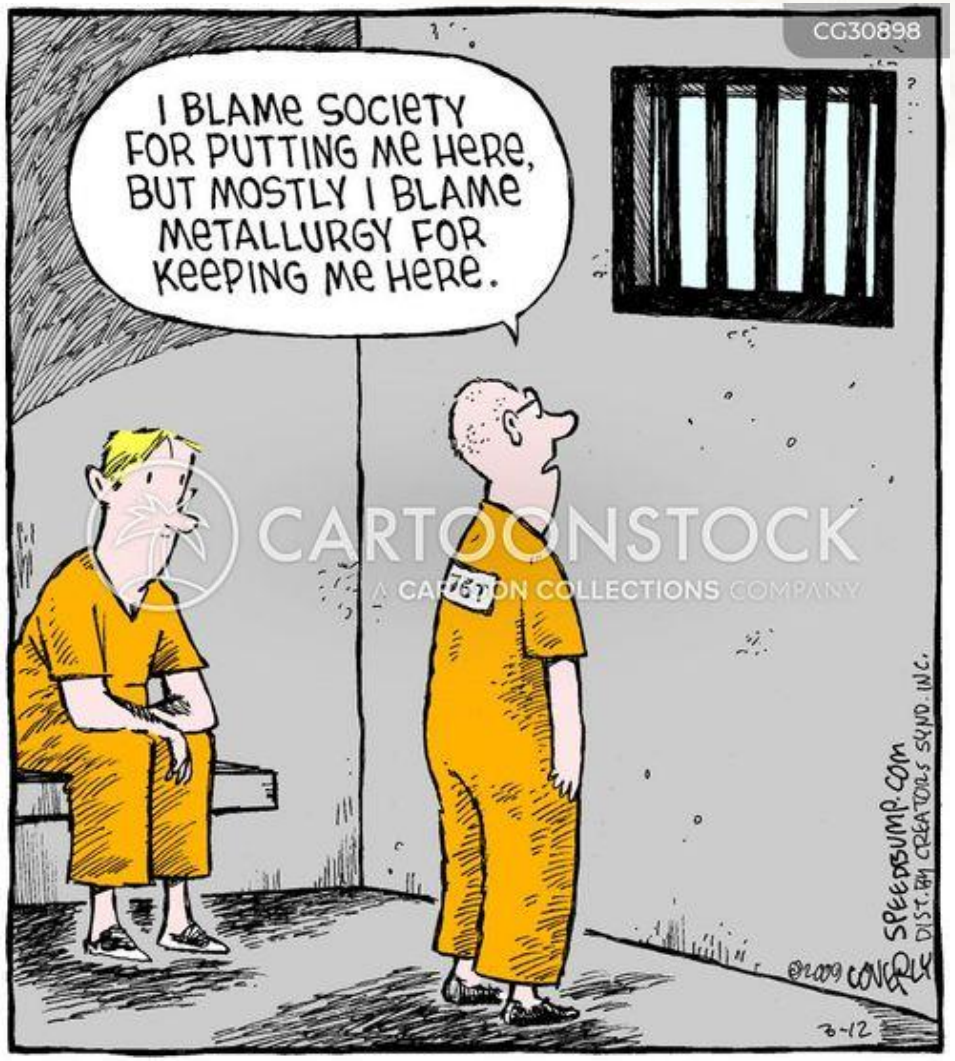
To Make Every Ounce Count

Heap Leach Column Testing
Photo Credit: ALS Global

LEVERAGING METALLURGY TO MAKE EVERY OUNCE COUNT

METALLURGY INFORMS AND INFLUENCES . . .

- **Ore grade:** Drilled grade (1.0 g/t Au) – Met Recovery (80%) = Ore grade (0.80 g/t Au)
- **Cut-off grade** - minimum ore grade to be economically viable
- **Scale**
- **Pit Design**
- **Defines Ore vs Waste**
- **Processing Costs**
- **Energy requirements** (i.e., ore hardness, crushing, grinding, etc.)



LEVERAGING METALLURGY TO MAKE EVERY OUNCE COUNT

METALLURGY INFORMS AND INFLUENCES CONT'D

- **Exploration Drilling**: target mineable and high margin ounces
- **De-risks the Project**
  - **Attracts investors & partners**, demonstrates lower technical risk
  - **Feasibility Study Readiness**: early met testing ensures the project can progress smoothly to advanced stages
- **Regulatory & Environmental Compliance**
  - **Environmental Considerations**: Met testing can identify potential environmental challenges (acid rock drainage or tailings management issues) allowing companies to develop appropriate mitigation strategies.
  - **Heap leach mines**: avoid tailings dams and acid rock drainage
  - **Permit Readiness**: Metallurgical data supports permitting applications by demonstrating a commitment to responsible resource development

Heap Leach Column Testing

Photo Credit: ALS Global

WHAT DRIVES PRODUCTION COSTS & MARGIN?

A DEEP DIVE INTO ALL-IN-SUSTAINING COSTS (AISC)

ITEM	COST (%)[2]
Crushing	2.8
Grinding	**47**
Flotation	16.2
Thickening	3.5
Filtration	2.8
Tailings	5.1
Reagents	0.5
Pipeline	1.4
Water	8
Laboratory	1.5
Maintenance support	0.8
Management support	1.6
Administration	0.6
Other expenses	8.1
Total	**100**

Grinding contributes nearly **50%** of **AISC**

- Typical cost of production breakdown as a %[2] of AISC

Factors that Impact Production Costs[1]

Energy

- Crushing, Grinding, Floatation, etc.

Geological Factors

- Disseminated vein style is lower costs due to bulk mining and lower strip ratio vs vein-type
- Intrusion-hosted gold ore bodies tend to exhibit lower costs than volcanic-hosted ores

Operational Scale

- Larger operations tend to achieve lower costs per oz due to efficiencies in production

Grade

- Higher avg. ore grades generally lead to lower production costs per oz

Depth of Mineralization

- Open-pit is typically lower cost than underground

Metallurgy

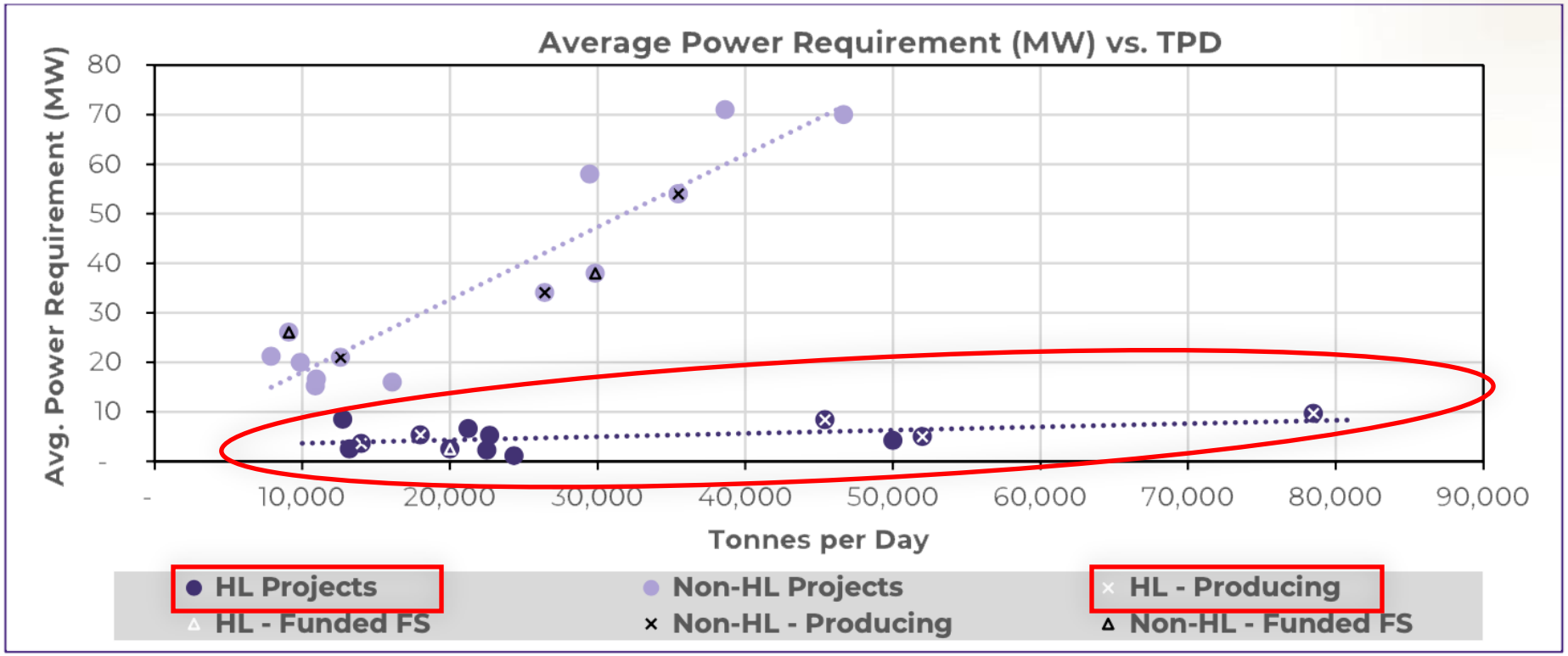
- Processing method is a significant contributor to production costs

(i.e., Free Milling ($) vs Heap Leaching ($$) vs Refractory Gold ($$$)

*See appendix for references

EVALUATING ENERGY EFFICIENCY IN GOLD PROCESSING

A COMPARITIVE ANALYSIS OF HEAP LEACHING VS MILLING OPERATIONS



- **Heap Leach** operations consume **~10x less power** compared to milling operations[1]

  (i.e., 4-7 Megawatts annually for 40,000 tpd) 55-65 Megawatts)

- Offers scalability with only modest energy increases — **ideal for low-infrastructure regions**

*See appendix for references

AVG. HEAP LEACH GRADE = 0.52 G/T AU | AISC IN LINE WITH INDUSTRY AVG. ($1,342/OZ)

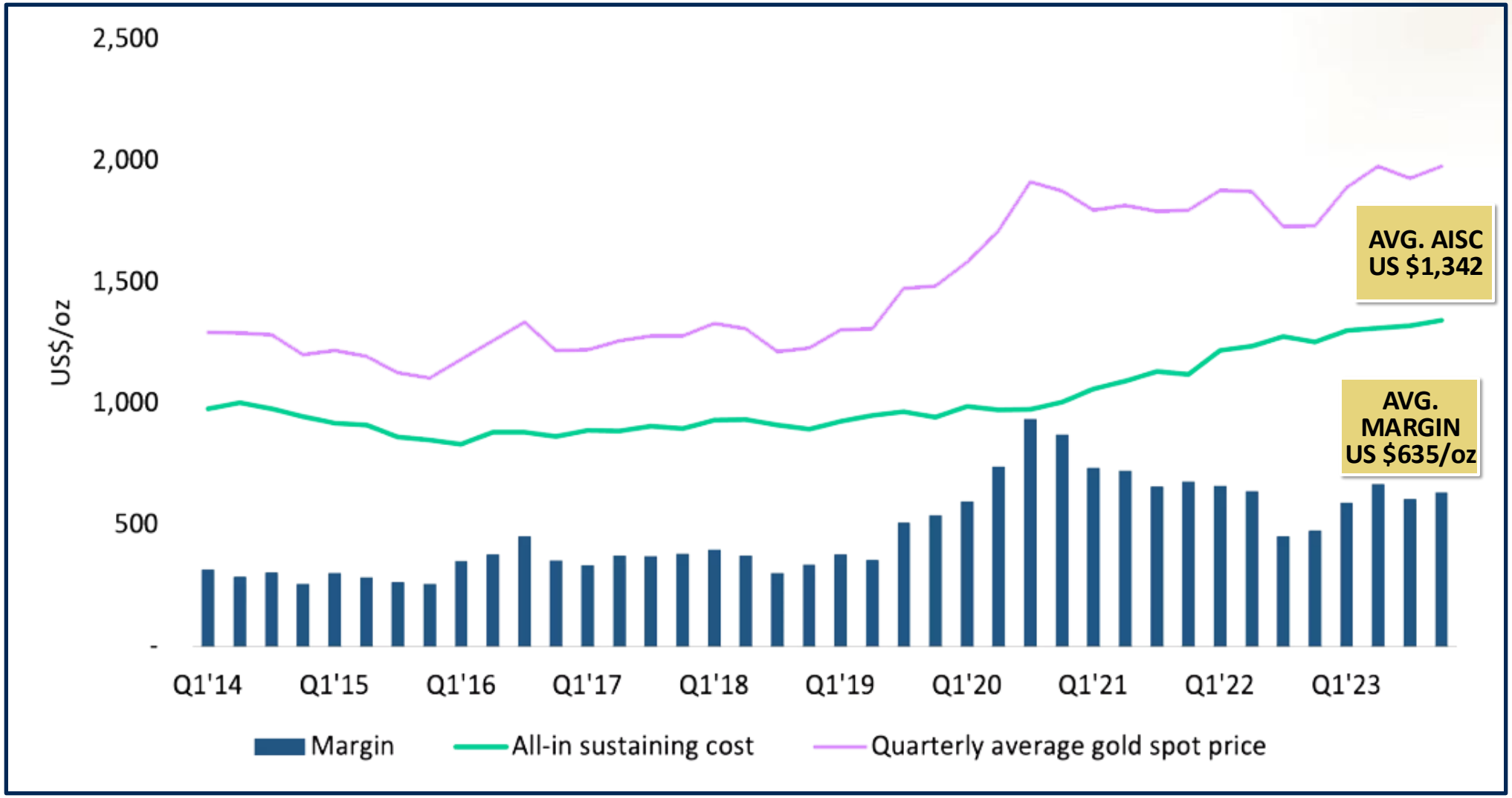
SELECT HEAP LEACH & HEAP LEACH + MILLING OPERATIONAL DATA FY 2023[1]

Company	Project	Type	Production (Koz Au)	Grade (g/t Au)	AISC (US$/oz)
Barrick	Veladero	HL	414	0.68	1516
Kinross	Fort Knox	Mil + HL	291	0.34	1867
Kinross	Bald Mtn.	HL	214	0.42	1682
Kinross	Round Mtn.	Mill + HL	236	0.78	1657
Alamos	Mulatos	Mill + HL	213	1.34	967
Newmont	Cripple Creek	HL	172	0.45	1644
Eldorado	Kişladağ	HL	155	0.78	900
SSR	Marigold	HL	278	0.45	1349
Equinox	Mesquite	HL	88	0.45	1251
Orla	Camino Rojo	HL	122	0.79	736
Argonaut	Florida Canyon	HL	71	0.31	1654
Calibre	Pan	HL	41	0.36	1479
Average (All)				0.60	1392
Average (HL only)				**0.52**	**$1,357**

*See appendix for references

GLOBAL MINING COMPANIES AVG. AISC US $1,342 FY 2023

MARGIN = GOLD PRICE – WHAT IT COSTS TO PRODUCE AN OUNCE OF GOLD



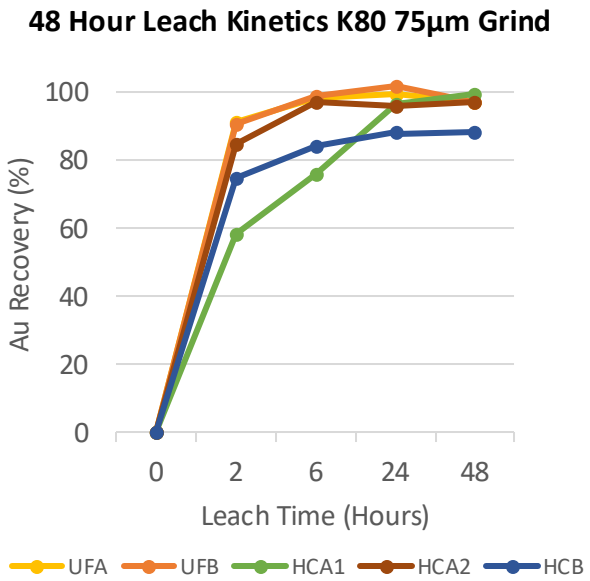
*See appendix for references

MULTIPLE MET TESTING CONFIRM FREE-MILLING / NON-REFRACTORY MINERALIZATION

CONVENTIONAL BOTTLE ROLL, GRAVITY, COMBINED GRAVITY & BOTTLE ROLL, AND FLOTATION

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

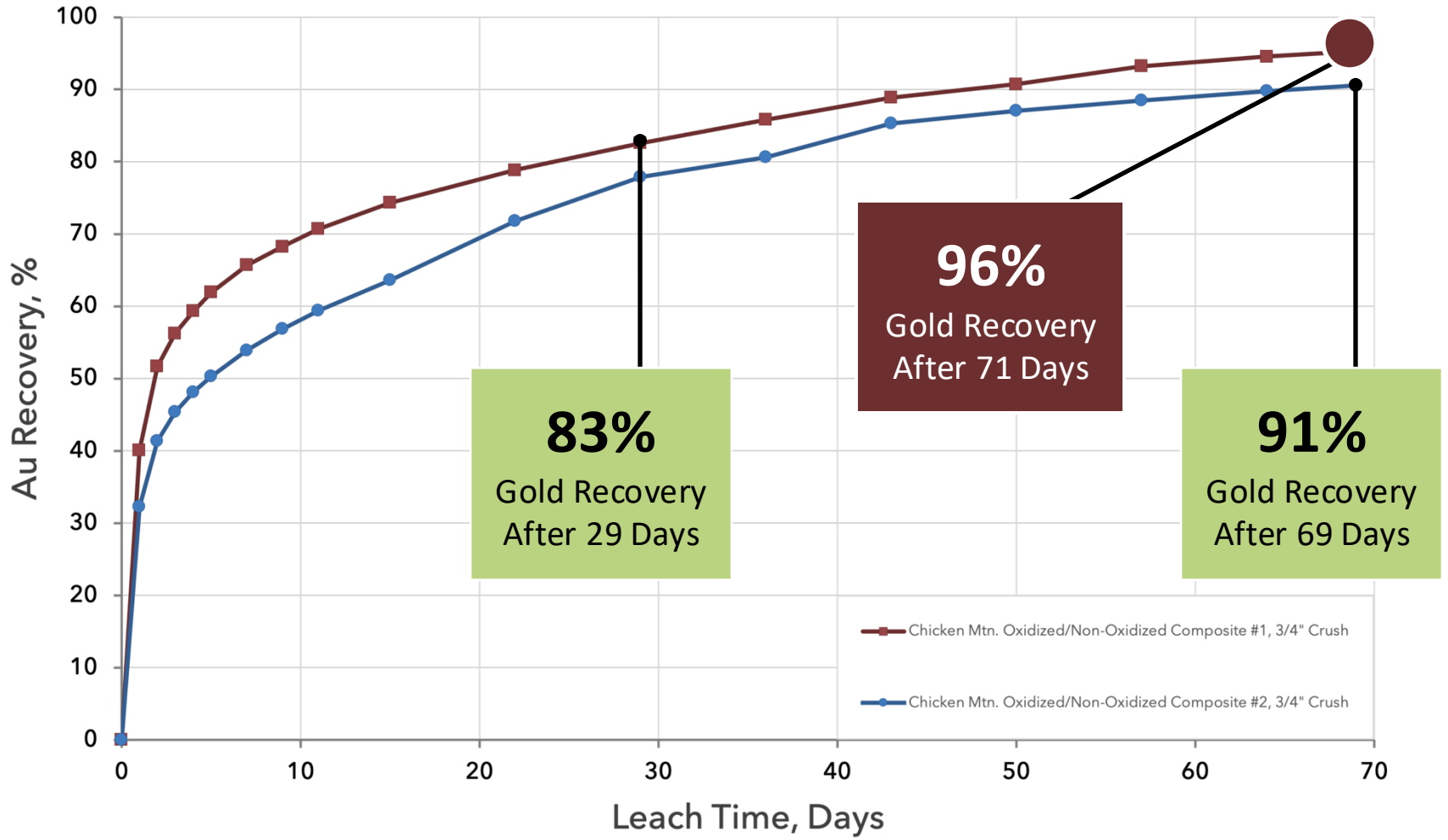
96% Avg. Gold Recovery Validates Potential for Heap Leach Processing



Composite	Mineralization Type	Calculated Head Grade	Consumption (kg/t)		AU Recovery % Leach Kinetics (hour)				
		Au g/t	NaCN	$Ca(OH)_2$	2	6	24	48	Total
UFA	Oxide	1.66	0.24	2.57	90.9	98.1	99.4	96.7	**96.7**
UFB	Oxide	0.68	0.19	1.23	90.4	98.8	101.6	97.1	**97.1**
HCA1	Oxide	0.75	0.28	2.91	58.0	76.0	96.0	99.1	**99.1**
HCA2	Oxide	1.05	0.17	2.89	84.5	96.7	95.8	97.0	**97.0**
HCB	Oxide	1.32	0.23	0.92	74.8	83.7	88.2	88.3	**88.3**

96% GOLD RECOVERY: HEAP LEACH COLUMN TESTS ON COARSE ¾" CRUSHED MATERIAL

POTENTIAL FOR RUN-OF-MINE HEAP LEACH PROCESSING IN PLAY



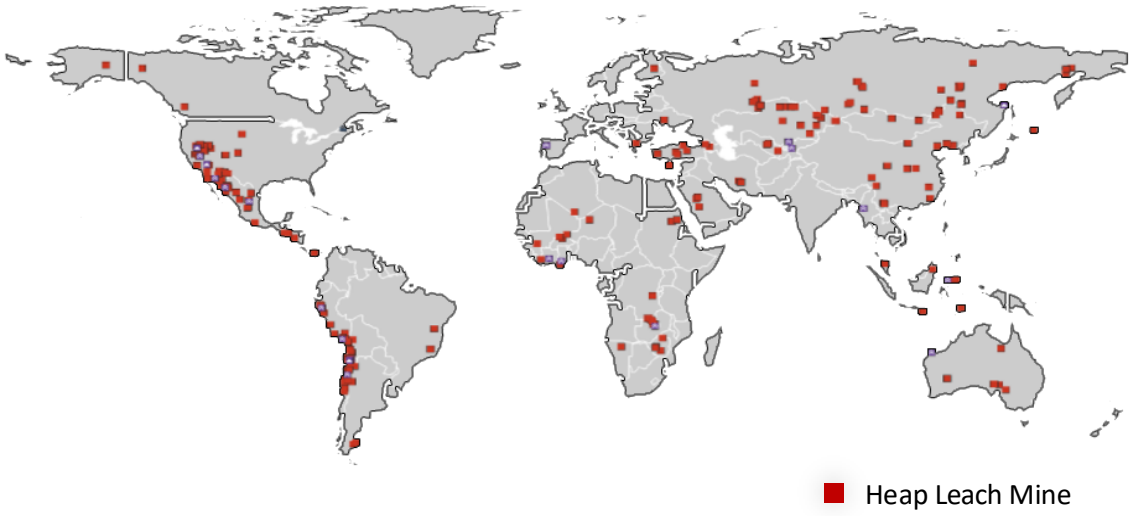
- NON-OXIDIZED AND MINERALIZATION AT DEPTH LEACHES
- STRONG & RAPID LEACH KINETICS
- NO AGGLOMERATION REQUIRED
- POTENTIAL FOR RUN-OF-MINE HEAP LEACHING

IS GRADE REALLY KING?

HEAP LEACHABLE DEPOSITS ARE A TOP CHOICE FOR MINING GIANTS

- Undoubtedly, **Heap Leaching** offers a wide range of **advantages** [1, 2] when compared to other methods:
  - **LOWER** upfront **capital investment**
  - **LOWER operating costs**
  - **LOWER environmental impact** (i.e., no tailings)
  - **Improves overall ESG** by utilizing less energy and water
  - **Simpler** setup and operation

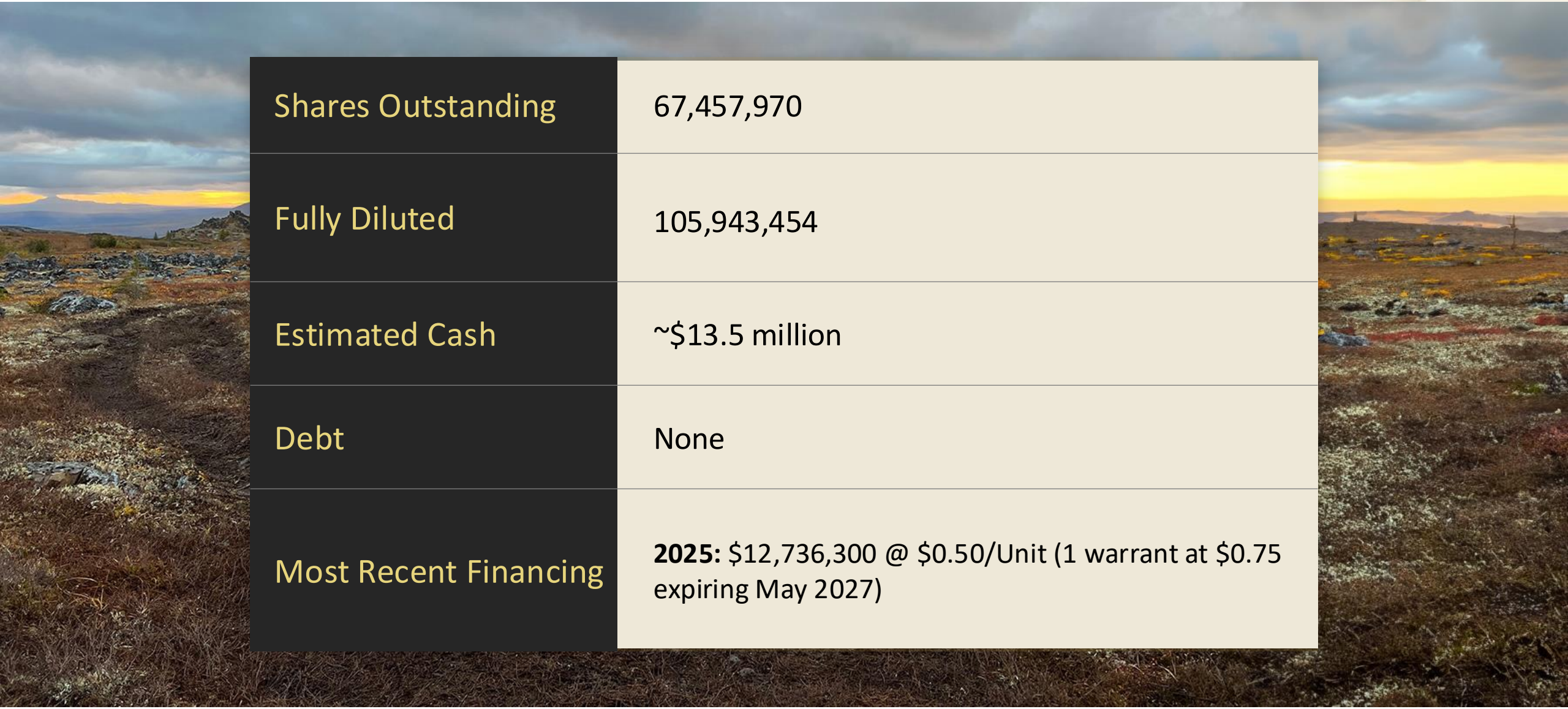
286 Heap Leach Mines Worldwide[3]



*See appendix for references

CAPITAL STRUCTURE

AS OF MAY 2025



Shares Outstanding	67,457,970
Fully Diluted	105,943,454
Estimated Cash	~$13.5 million
Debt	None
Most Recent Financing	**2025:** $12,736,300 @ $0.50/Unit (1 warrant at $0.75 expiring May 2027)

TECTONIC METALS INC.

TECT: TSX-V
TETOF: OTCQB
T15B: FSE

Website
www.tectonicmetals.com

Email
info@tectonicmetals.com

Toll-free
1.888.685.8558

APPENDIX

REFERENCE LIST

SLIDE 6: The Tectonic Metals Advantage

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
2. Per Tier 1 Jurisdiction defined by Barrick Gold Corporation. (2024). Barrick to grow production and value on global asset foundation.
3. Department of Revenue, State of Alaska. (n.d.). Alaska credit ratings. December 30, 2024
4. 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

SLIDE 15: Alaska A Tier-1 Mining Jurisdiction

1. As defined by Newmont Corporation & Per the State of Alaska Credit Ratings Reports
2. The White House. (2025, January 20). *Unleashing Alaska's extraordinary resource potential* [Executive order]. The White House.
3. The White House. (2025, March 20). *Immediate Measures To Increase American Mineral Production* [Executive order]. The White House.
4. Per the 2024 Mineral Commodity Summaries Report
5. Per Mining Journal intelligence – World Risk Report 2023 Alaska received an AA rating, ranks number 3 globally on the Investment Risk index and is in the top quartile for low-risk in each category (Legal, Governance, Social, Fiscal and Infrastructure).
6. Per the Alaska Miners Association Website
7. Per the Alaska Miners Association August 2024 Infographic

SLIDE 17: Bulk Tonnage Intrusion Related Tintina Gold Systems

1. Per the 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. Per the Fort Knox 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. Per the Snowline Gold Corp. 2020 NI 43-101 Technical Report, Recovery based on Metallurgical testing
4. Snowline Gold Corp. (2025, May 15). *Snowline Gold expands measured and indicated gold ounces by 96% in updated mineral resource estimate at its Valley gold deposit, Yukon*. Junior Mining Network.

SLIDES 18, 21, 22, 23: Historical Placer Production Figures

1. Placer production figures from "Mineral Occurrence and Development Potential Report, Locatable and Salable Minerals, Bering Sea-Western Interior Resource Management Plan, BLM-Alaska

SLIDE 26: With A 100% Drill Success Rate, Gold-in-Soil Anomalies Indicate Potential Deposit Size

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. Snowline Gold Corp. (2025, May 15). *Snowline Gold expands measured and indicated gold ounces by 96% in updated mineral resource estimate at its Valley gold deposit, Yukon*. Junior Mining Network.
3. 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

SLIDE 30: What Drives Production Costs & Margin

1. Irich, S., Kanakis, M., Groves, D., Hagemann, S., Sykes, J., & Trench, A. (2016). Is grade king in gold? A prelim. analysis of gold production costs at Australian and New Zealand mines. In AusIMM New Zealand Branch Annual Conference 2016. The Aus.Institute of Mining and Met.
2. Barry A. Wills, James A. Finch FRSC, FCIM, P.Eng., in Wills' Mineral Processing Technology (Eighth Edition), 2016

Slide 31: Evaluating Energy Efficiency in Gold Processing

1. Sourvenir, M., & Therrien, S. (2025, January 6). Heap, leach and reap: The low-cost solution for low-grade ores [Analyst report]. 3L Capital.

Slide 32: Average Heap Leach Grade = 0.52 g/t Au

1. Sourvenir, M., & Therrien, S. (2025, January 6). Heap, leach and reap: The low-cost solution for low-grade ores [Analyst report]. 3L Capital.

Slide 33: Global Mining Companies Avg. AISC US $1,342 FY 2023

1. Tomlinson, S. (2024, May 16). *Higher gold price eases pressure on producer margins.* Metals Focus.

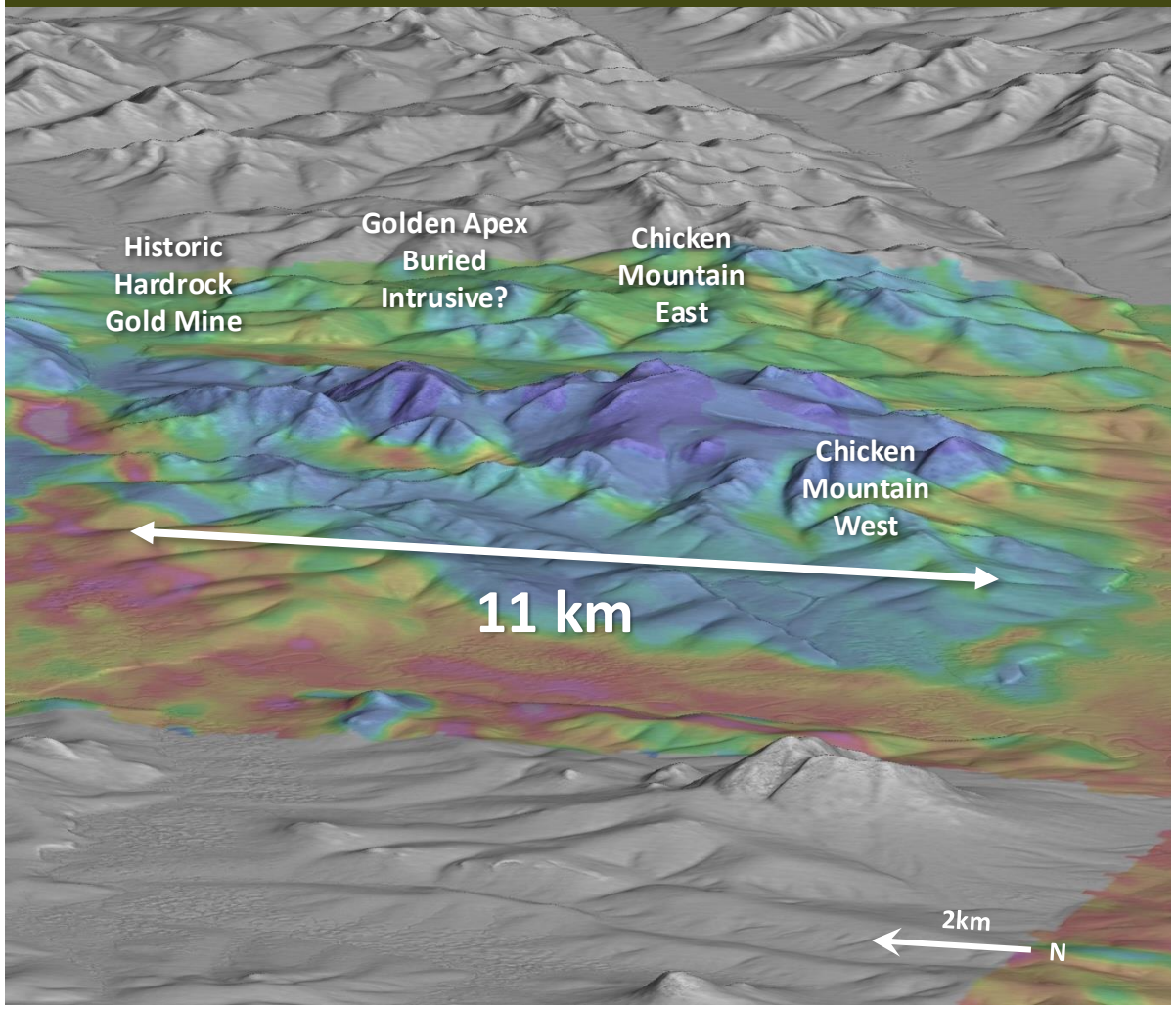
Slide 36: Is Grade Really King?

1. Le Capitaine, S., & Carlson, C. (n.d.). Heap leaching: A growing technology in beneficiation. FEECO International, Inc. Retrieved November 10, 2024.
2. Manning, T. J., & Kappes, D. W. (2011). Heap leaching. In P. Darling (Ed.), SME Mining Engineering Handbook (3rd ed., Vol. 1, pp. 1073–1090). SME.
3. Mining Intelligence. (n.d.). *Heap leach mines worldwide map*. Retrieved January 17, 2025.

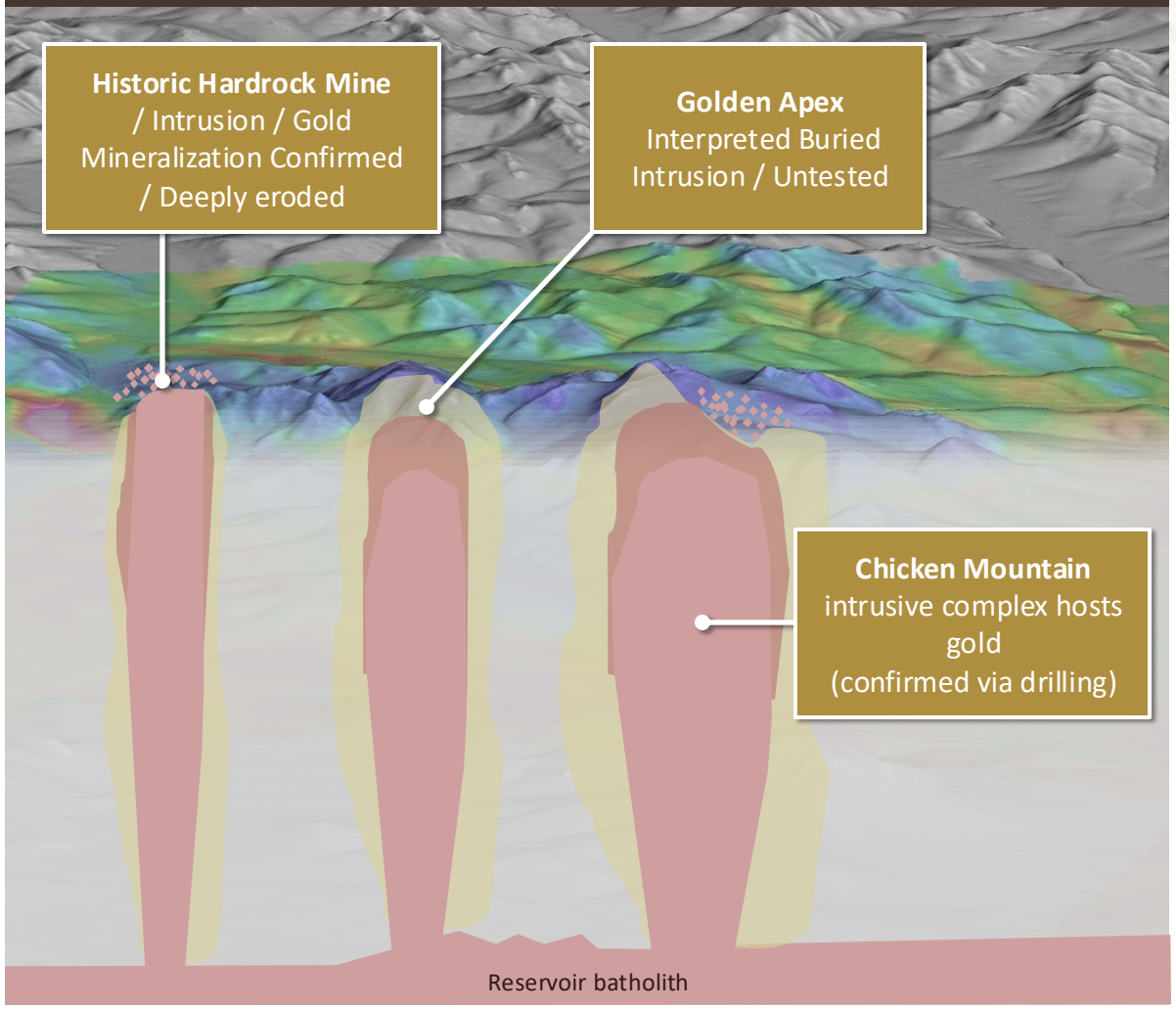
GEOPHYSICS DEMONSTRATE A +11KM LONG INTRUSIVE COMPLEX

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

Oblique View Looking East - Geophysics - 7200 Hz EM



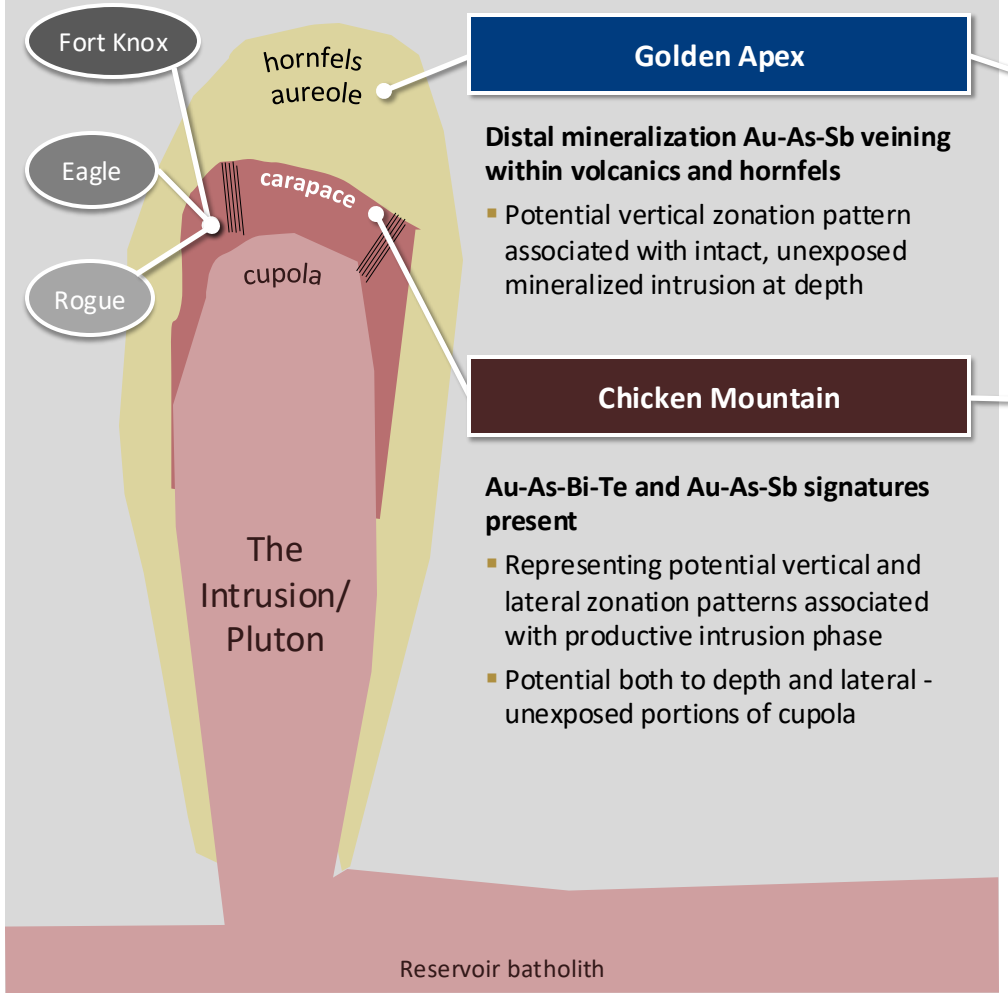
Simplified Cross Section of Intrusion Related Systems



REDUCED INTRUSION-RELATED GOLD SYSTEMS

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

Cross Section



Golden Apex

Distal mineralization Au-As-Sb veining within volcanics and hornfels

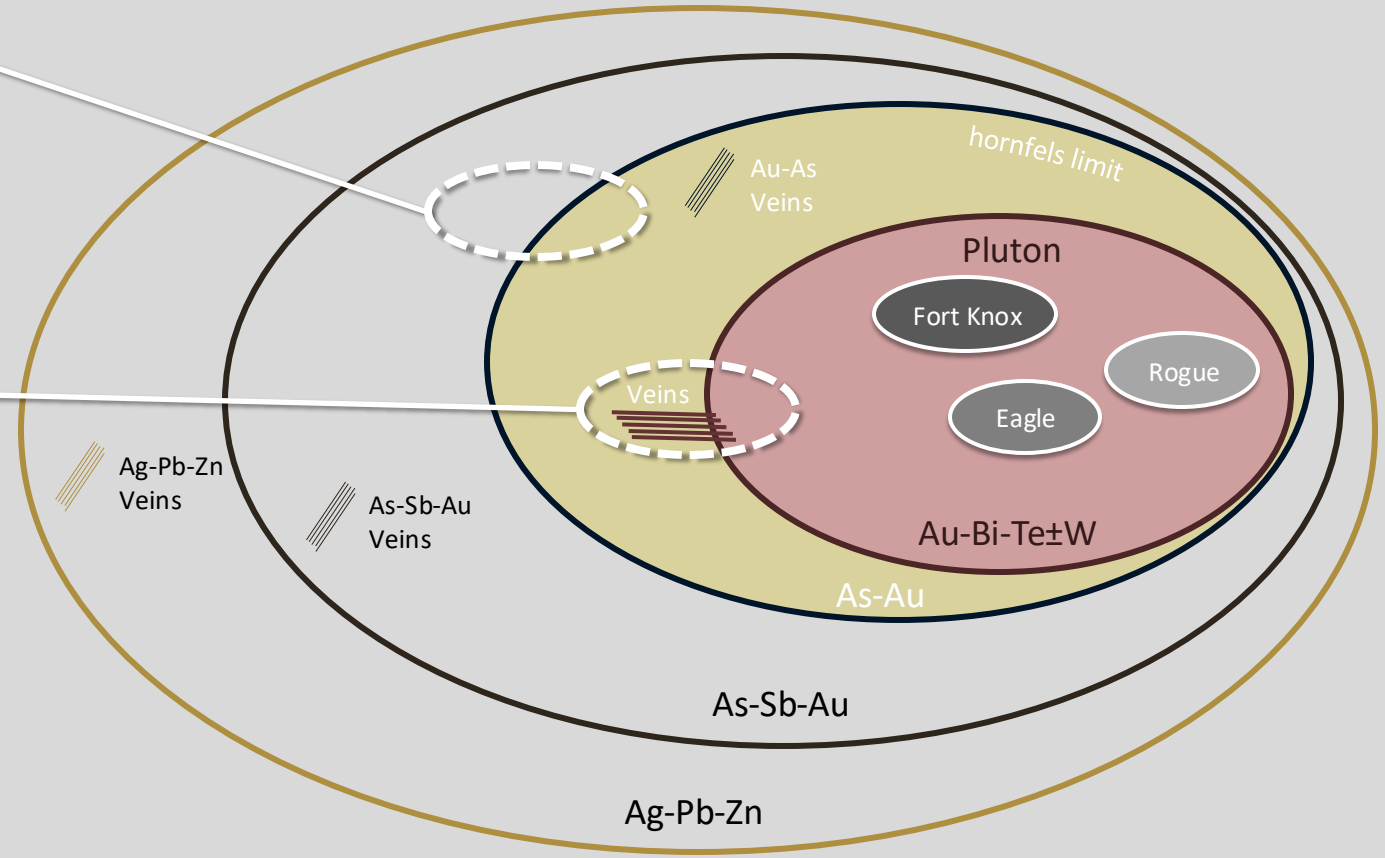
- Potential vertical zonation pattern associated with intact, unexposed mineralized intrusion at depth

Chicken Mountain

Au-As-Bi-Te and Au-As-Sb signatures present

- Representing potential vertical and lateral zonation patterns associated with productive intrusion phase
- Potential both to depth and lateral - unexposed portions of cupola

Looking Down - Plan View of Plutonic Structure – Hart et. al. 2007[1]



Generalized plan-view model for reduced intrusion-related gold systems from the Tintina Gold Province. Note the wide range of mineralization styles and geochemical variations that vary predictably outward from a central pluton (modified from Hart et. al. 2007)