



“Multiple layers of geological evidence stacked on top of one another pointing to one thing...

it's time to drill here!”

TSX-V: TECT
OTCQB: TETOF
FSE: T15B

TECTONIC
METALS INC.

THE FLAT GOLD PROJECT

2024 Heap Leach Column Test Results

See Tectonic [News Release](#) Dated September 19, 2024

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.

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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.Geol, 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.

TECTONIC
METALS INC.

CHICKEN MOUNTAIN INTRUSION

Multi-Million Ounce Open-Pit Potential



CHICKEN MOUNTAIN – “BIG DEPOSITS LEAVE BIG FOOTPRINTS”

Flat Gold System: A 20 Km “String-of-Pearls” of Six Geophysical Intrusion Anomalies

1.4 Moz¹ Recorded Placer Production At Flat

- 3rd richest placer gold mining jurisdiction in Alaska¹
- Chicken Mountain credited as primary bedrock source
- Every stream draining out of Chicken Mtn. carries placer gold

~4 km Long High-Tenor Gold-In-Soil Anomaly

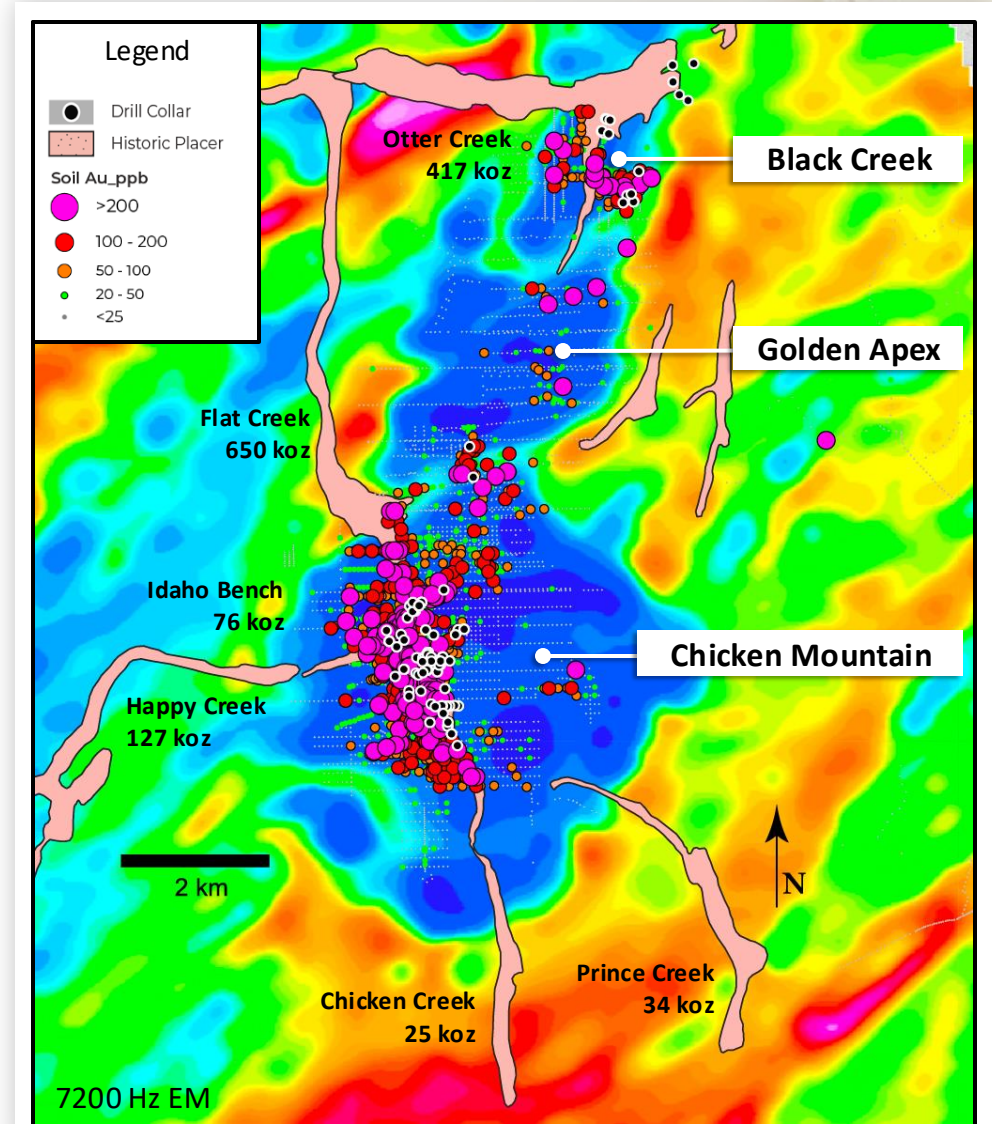
- Soil sampling + geophysics: a proven exploration methodology, 100% drill success rate in finding gold
- < 50% drill tested and open
- Unglaciating terrain

100% Drill Success Rate At Chicken Mountain

- All 74 holes intersected gold mineralization
- 37 of 74 drill holes ending in mineralization
- 1.8km of drilled strike, 300m vertical depth (open in all directions)

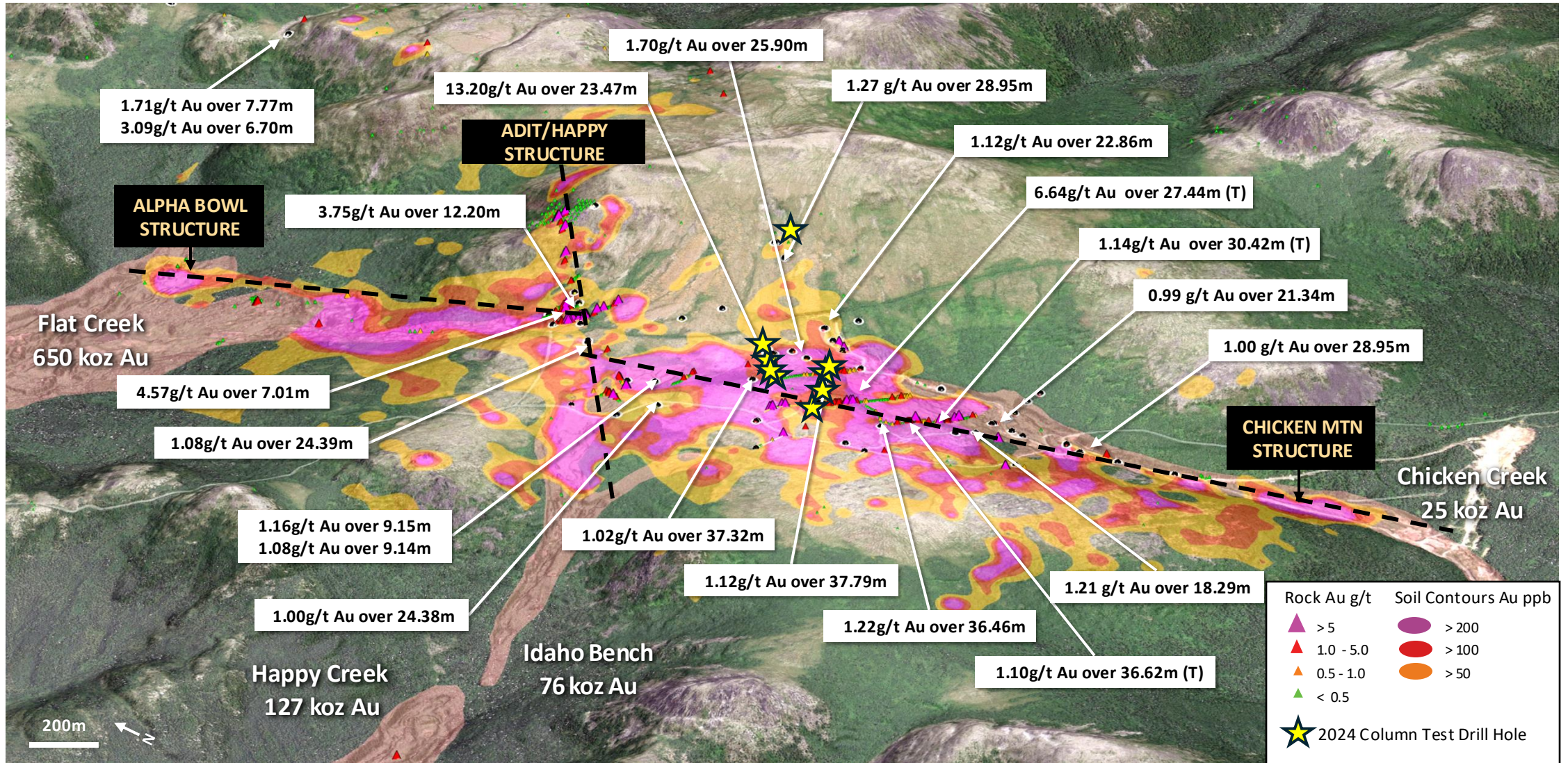
96% Gold Recovery (Avg.) – Paves Way For Open-Pit Heap Leach Mine

- De-risking on day one by conducting a wide array of metallurgical testing:
 - Conventional Bottle Roll, Gravity, Combined Gravity & Bottle Roll, and Flotation Testing:**
 - Rapid Leach Kinetics
 - Extremely Low in Sulphur
 - Low Cyanide Consumption
 - Mineralization is Not Grind Sensitive
 - Non Preg Robbing
 - Heap Leach Column Testing:**
 - Rapid Leach Kinetics from Oxidized and Non-Oxidized Rock
 - No Agglomeration Required
 - Potential for Run-Of-Mine Heap Leaching



2024 HEAP LEACH COLUMN TEST DRILL HOLE COLLAR LOCATIONS

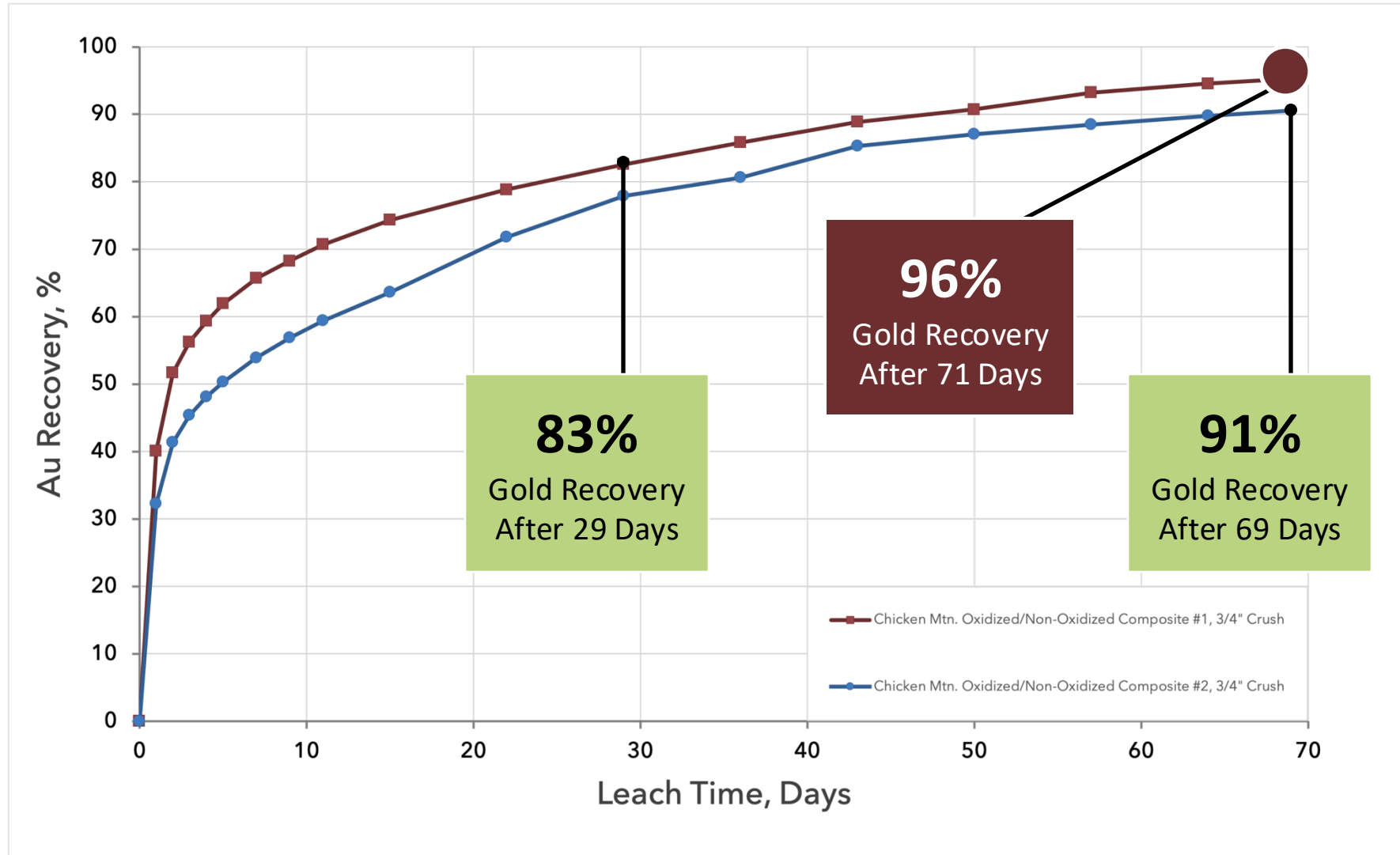
At Chicken Mountain, Tectonic's Primary Intrusion Target



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

96% GOLD RECOVERY FROM HEAP LEACH COLUMN TESTS ON 3/4" 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

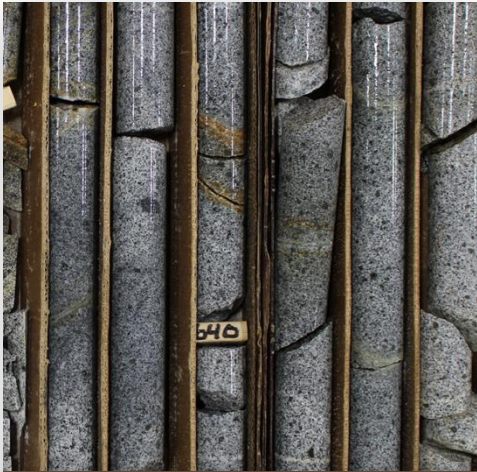
2024 VALUE CREATION STRATEGY

De-Risking with Heap Leach Column Met Testing



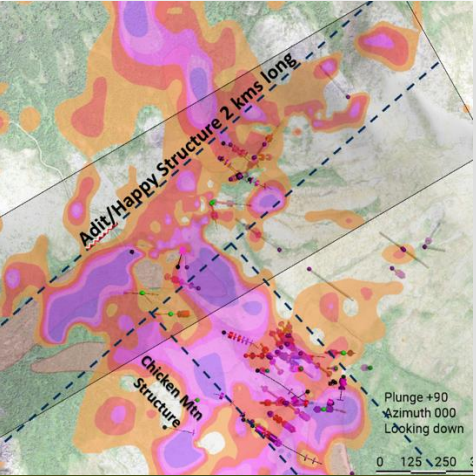
Multi-phase metallurgical test program to validate heap leaching of gold mineralization

Potential, Low-Cost Drill Discoveries Q3



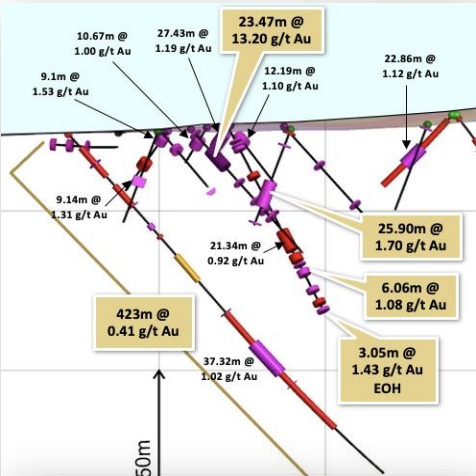
Uncovers 4 unsampled historical drill core at new intrusion target areas. Select samples yielded up to 20 g/t Au.

Potential for Km Long Drill Discoveries

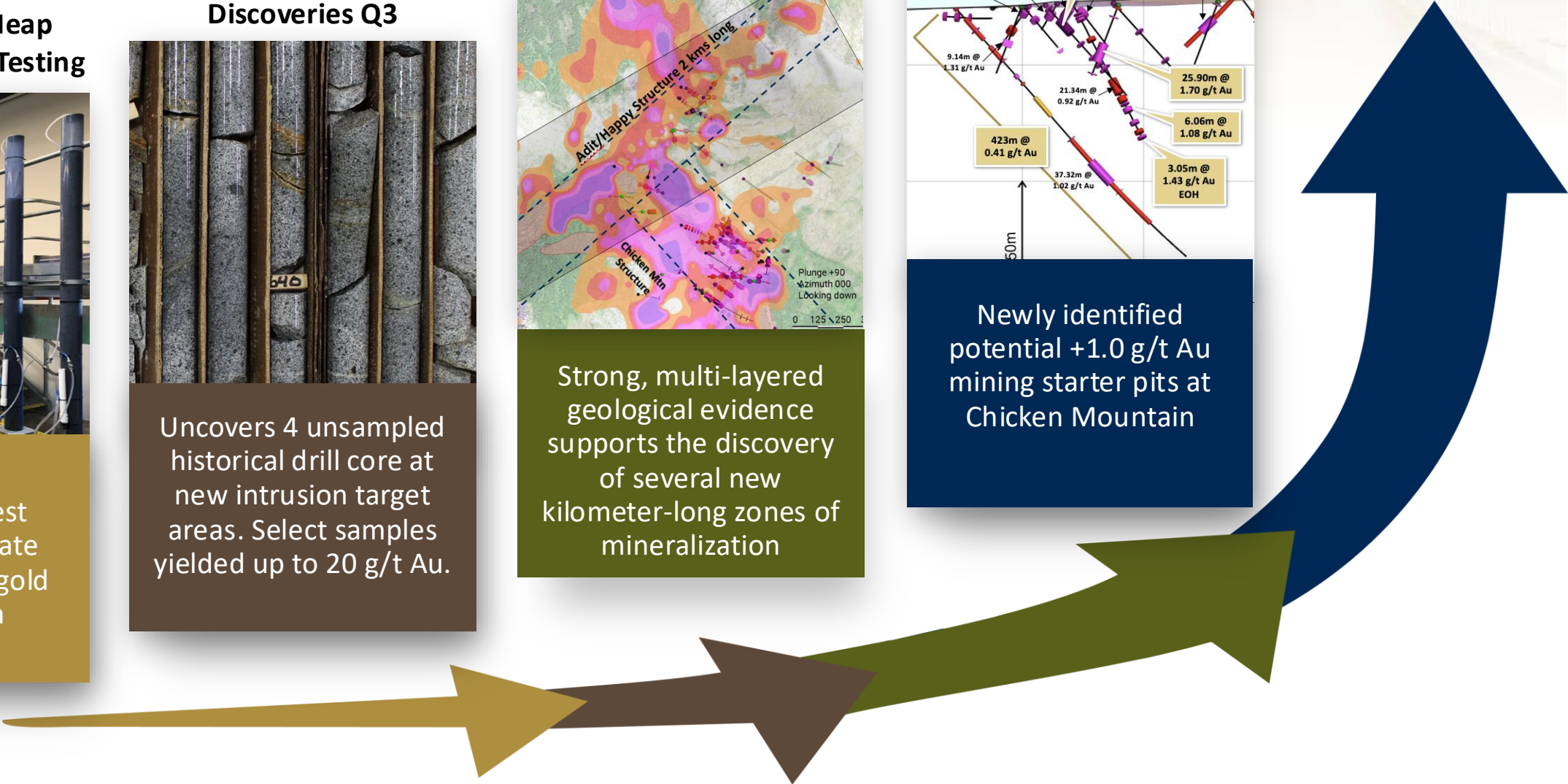


Strong, multi-layered geological evidence supports the discovery of several new kilometer-long zones of mineralization

Potential for Multiple +1.0 g/t Au Starter Pits



Newly identified potential +1.0 g/t Au mining starter pits at Chicken Mountain



CAPITAL STRUCTURE

As of September 2024

Shares Outstanding	381,878,243
Supportive Shareholders	~47% { 9.9% Doyon Limited 22.3% Crescat Capital 15.0% Tectonic and others
Est. Liquid Public Float	~179,000,000
Average Daily Trading Volume (TSXV)	~600,000
Fully Diluted	515,473,524
Estimated Cash	~CA\$2.5 million
Debt	None



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APPENDIX



MULTIPLE METHODS OF MET. TESTING CONFIRM NON-REFRACTORY MINERALIZATION

Conventional Bottle Roll, Gravity, Combined Gravity & Bottle Roll, and Flotation

Strong and rapid
leach kinetics

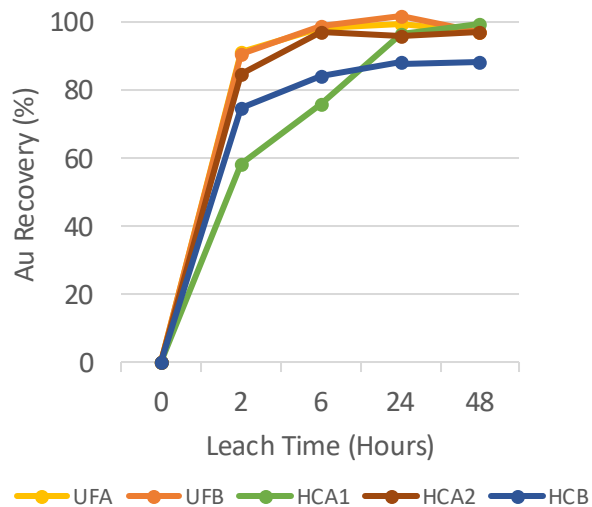
Very low cyanide
consumption

Low sulphur
content

No preg robbing
identified

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

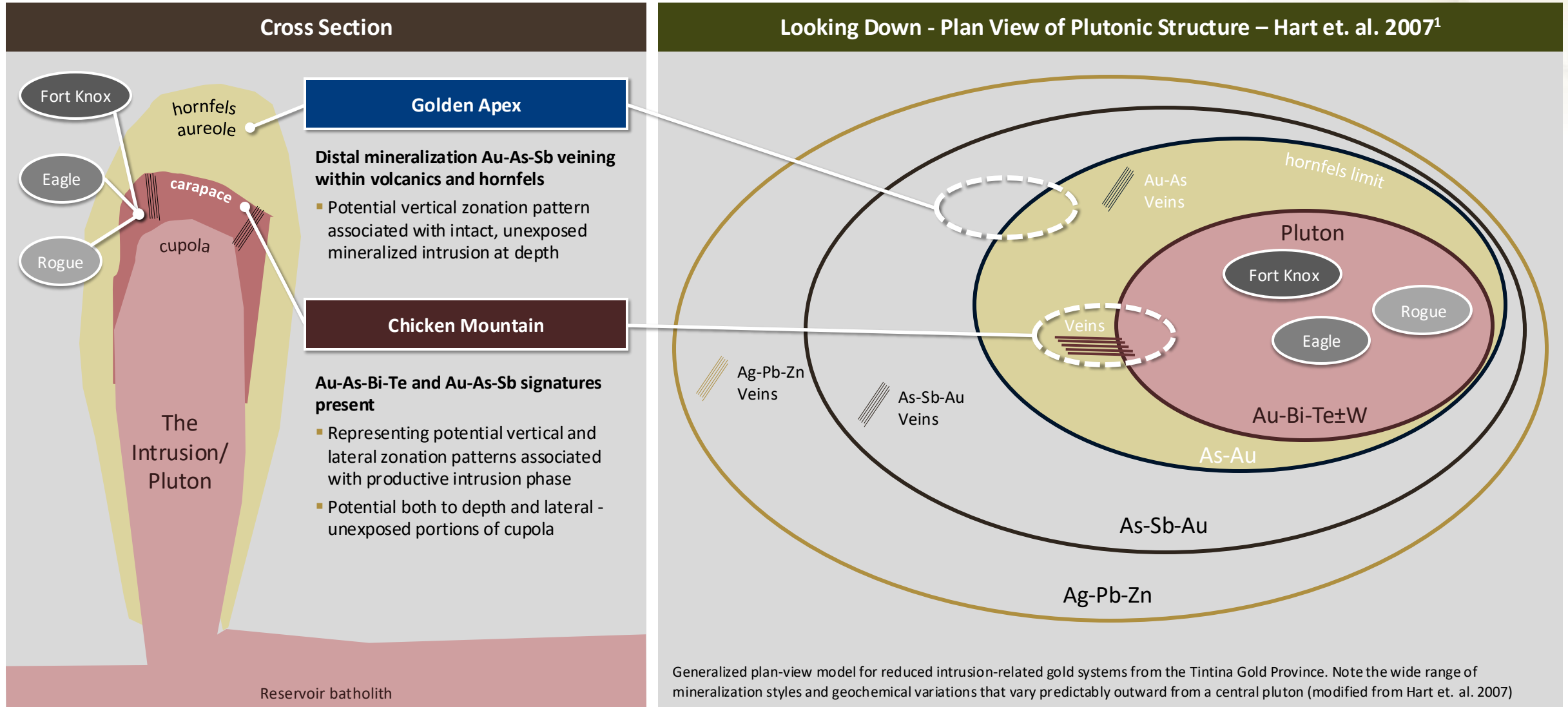
48 Hour Leach Kinetics K80 75µm Grind



Composite	Mineralization Type	Calculated Head Grade Au g/t	Consumption (kg/t)		AU Recovery % Leach Kinetics (hour)				
			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

REDUCED INTRUSION-RELATED GOLD SYSTEMS

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



GEOPHYSICS DEMONSTRATE A +11KM LONG INTRUSIVE COMPLEX

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

