

*“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.

2024 DRILLING OF HIGH-PRIORITY TARGETS NOW UNDERWAY

FLAT GOLD PROJECT: THE NEXT TIER 1 GOLD OPPORTUNITY

SEPTEMBER 11, 2024

FORWARD LOOKING STATEMENT AND NATIONAL INSTRUMENT 43-101 COMPLIANCE

TECTONIC
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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.

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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.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.

SUCCESS ON ALL FRONTS IN THE BUSINESS OF EXPLORATION AND MINING



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

OUR PROVEN TRACK RECORD OF SUCCESS

- 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

TECTONIC & DOYON MILESTONE PARTNERSHIP

INDIGINOUS SHAREHOLDERS INVESTING ~\$4 MILLION INTO TECTONIC

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DOYON
Limited

DOYON LTD.

- One of Alaska's largest Native Regional Corporations
- Largest private landholder in Alaska & USA with 12.5 M acres of land
- Over 20,000 shareholders
- 20-year history of mineral, oil and gas exploration agreements

TECTONIC & DOYON MILESTONE PARTNERSHIP

- Multiple strategic investments by Doyon into Tectonic
- Doyon is currently Tectonic's second largest shareholder
- Innovative Discovery-to-Production, ESG/IBA Lease Agreements signed on multiple projects

2024 VALUE CREATION STRATEGY

De-Risking with Heap Leach Column Met Testing



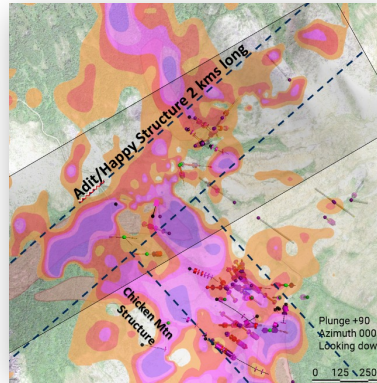
Multi-phase metallurgical test program to validate heap leaching of gold mineralization

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.

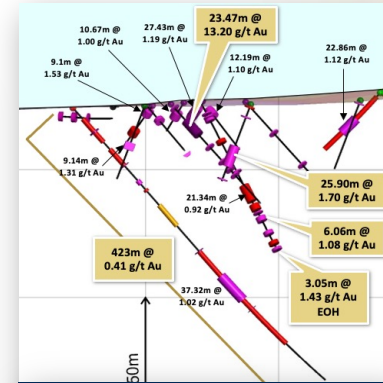
Potential for Km Long Drill Discoveries



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

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

FLAT PROJECT: EXISTING AND NEARBY LOCAL INFRASTRUCTURE

TICKING THE BOXES ON INFRASTRUCTURE

On-site 4,100 ft Flat airstrip

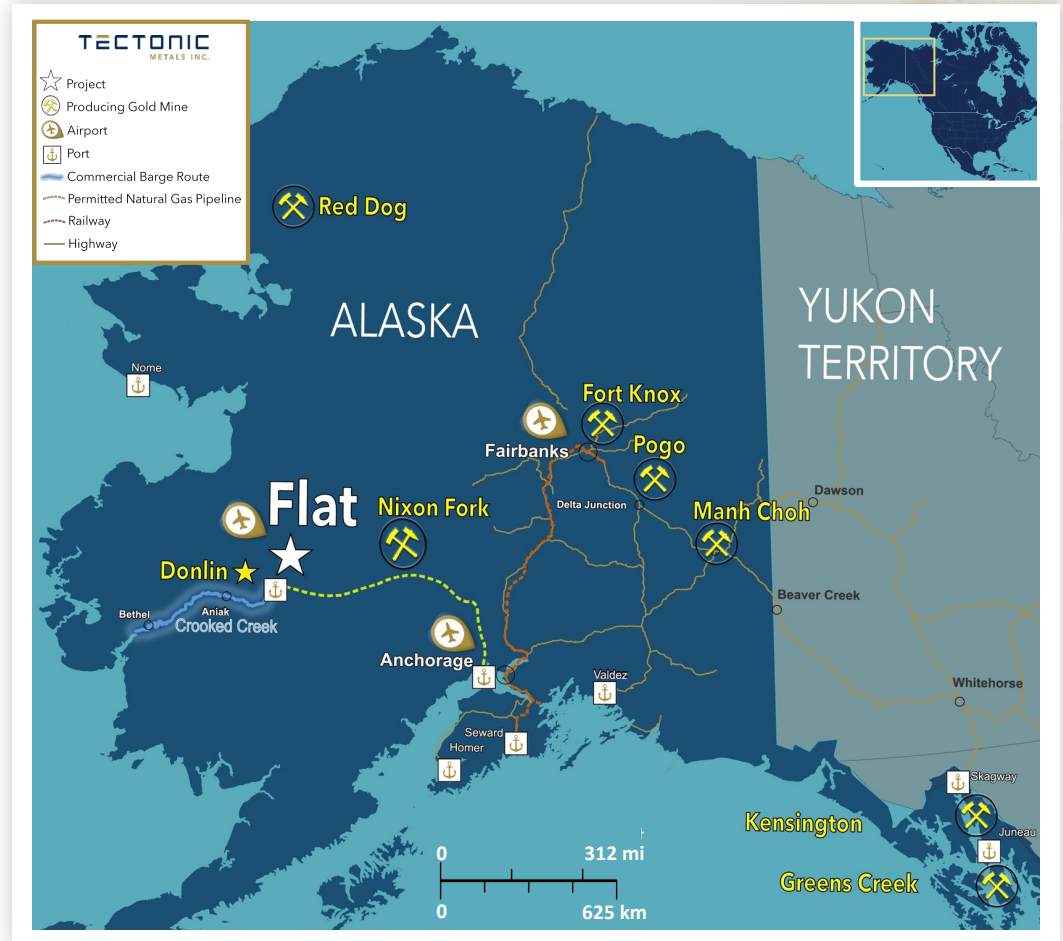
- Hercules (48,000 lbs payload) capable

Road access

- From airstrip to mineralized zones

Commercial river barge access nearby

Donlin permitted natural gas pipeline



FLAT'S ONSITE AND NEARBY INFRASTRUCTURE

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



Hercules Cargo Plane Landing at Flat



Chicken Mountain road access ~7.5km from Flat Airstrip



4100 ft Hercules Airstrip Onsite at Flat



Kuskokwim River

Crooked Creek Barge River Access

POTENTIAL LOW STRIP RATIO

FAVORABLE TOPOGRAPHY WITH MINERALIZATION STARTING AT SURFACE FOR OPEN-PIT OPPORTUNITY

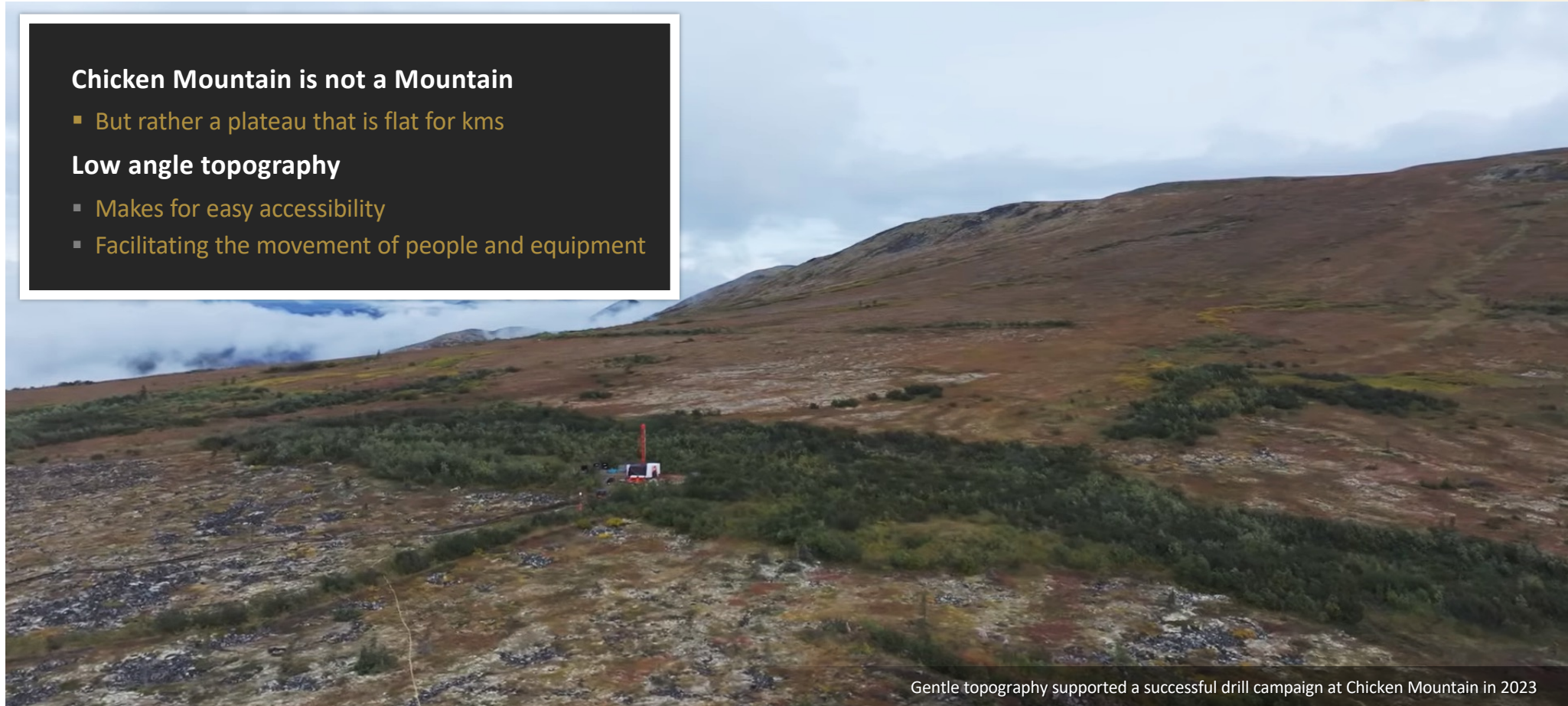
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Chicken Mountain is not a Mountain

- But rather a plateau that is flat for kms

Low angle topography

- Makes for easy accessibility
- Facilitating the movement of people and equipment



Gentle topography supported a successful drill campaign at Chicken Mountain in 2023

THE FLAT GOLD SYSTEM

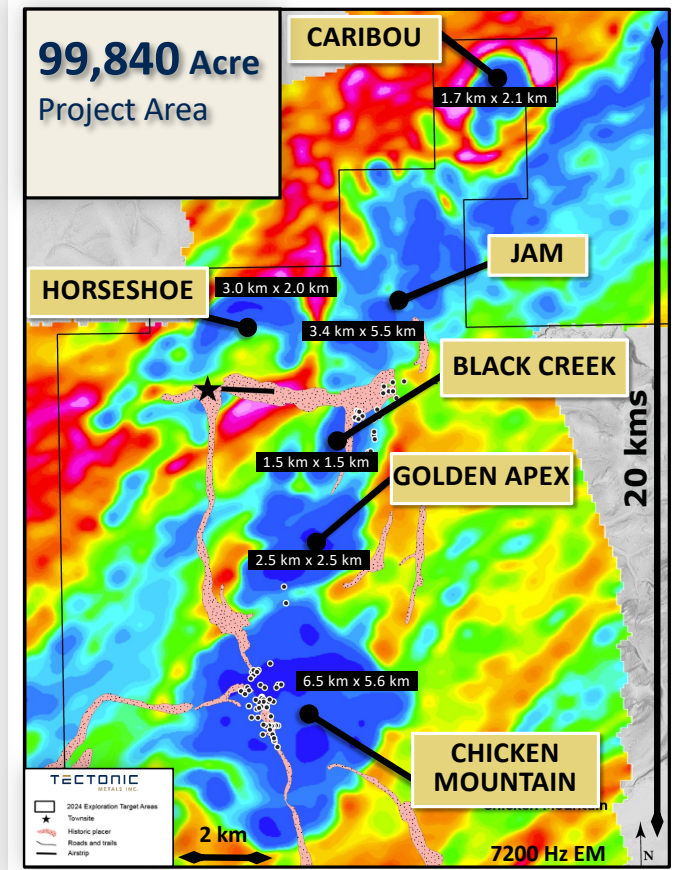
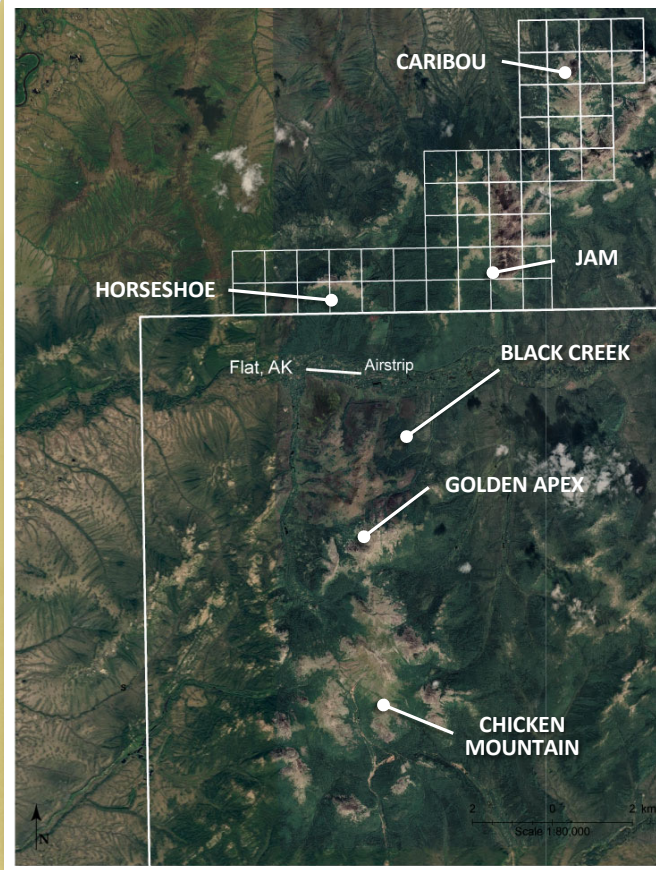
6 KM-SCALE INTRUSION TARGETS

PRIMARY TARGET

Chicken Mountain

- Bulk Open Pit
- Heap Leach Opportunity

Flat



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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

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

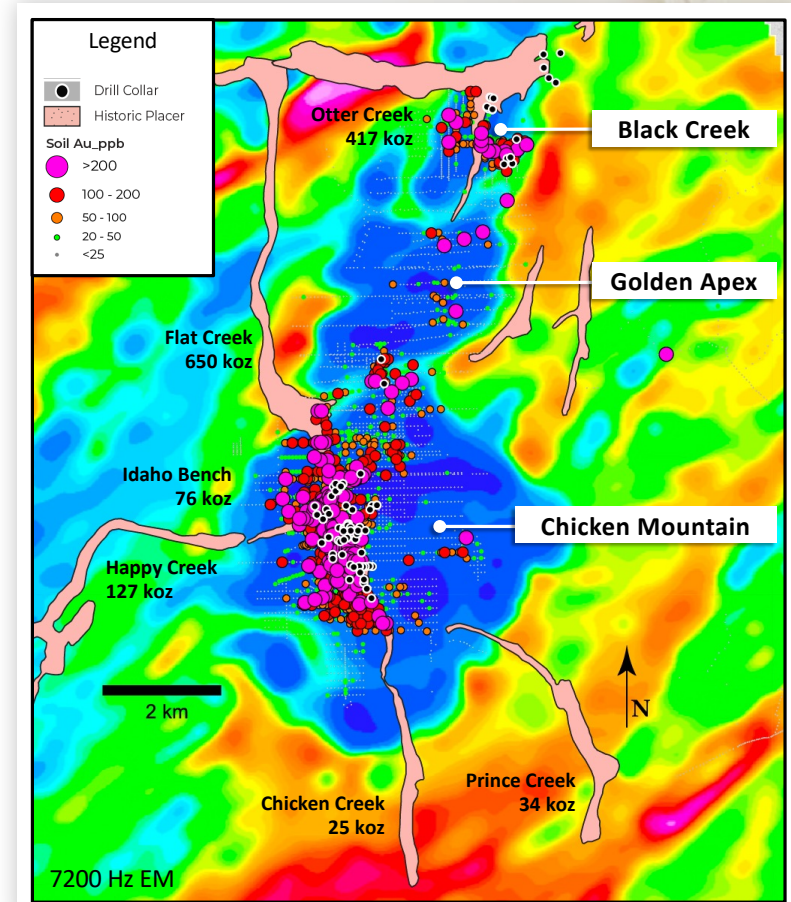
- Soil sampling + geophysics: a proven exploration methodology

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 recoveries (average)

- De-risking begins on Day One
 - Heap leach column tests now underway
- Potential open-pit, heap leach opportunity



96% AVERAGE GOLD RECOVERY

DE-RISKING BEFORE INAUGURAL DRILL PROGRAM INM 2023

**Strong and rapid
leach kinetics**

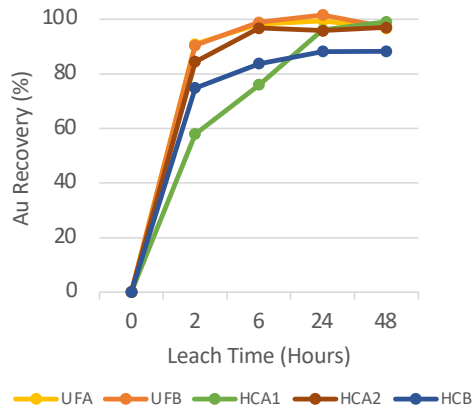
**Very low cyanide
consumption**

**Low sulphur
content**

**No preg robbing
identified**

Validates Potential for Heap Leach Processing

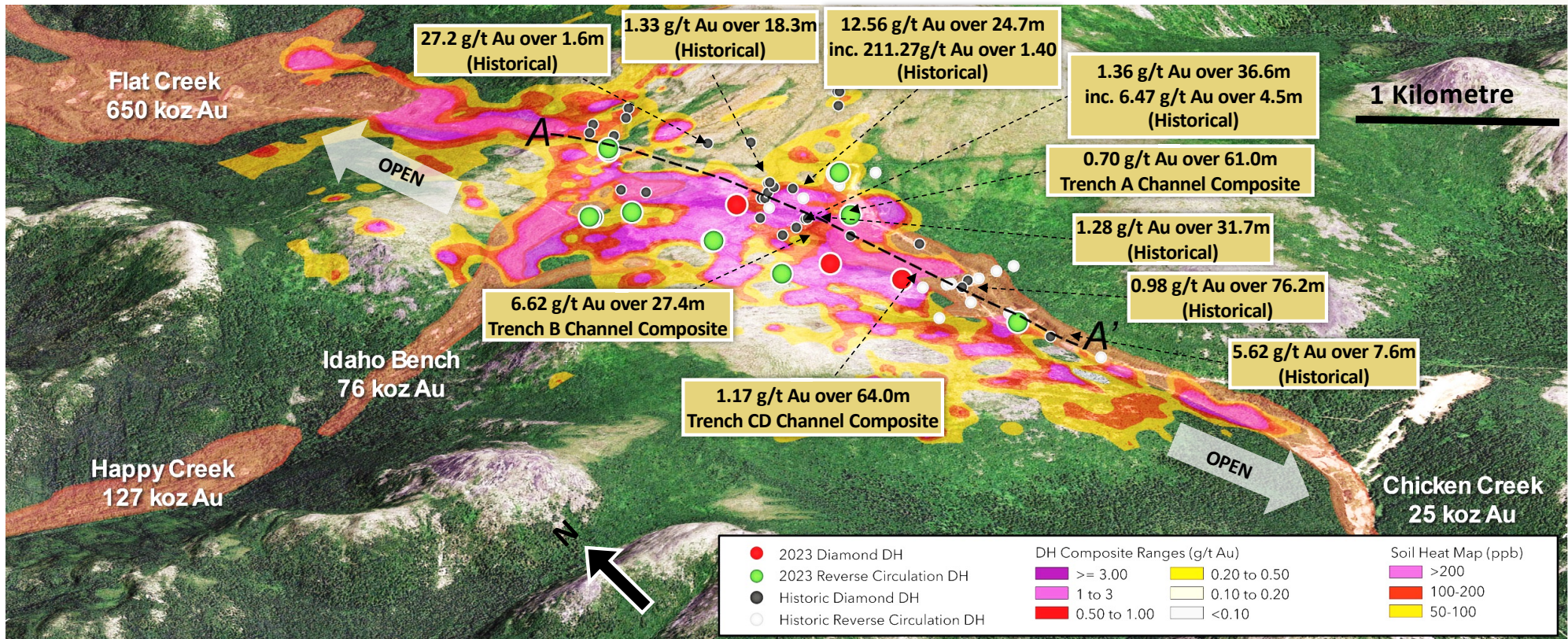
48 Hour Leach Kinetics K80 75µm Grind



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

2023 TECTONIC'S FIRST DRILL PROGRAM HITS GOLD IN EVERY HOLE

1.8 KMS OF MINERALIZED STRIKE A-A', 300 METRES VERTICAL DEPTH (OPEN)

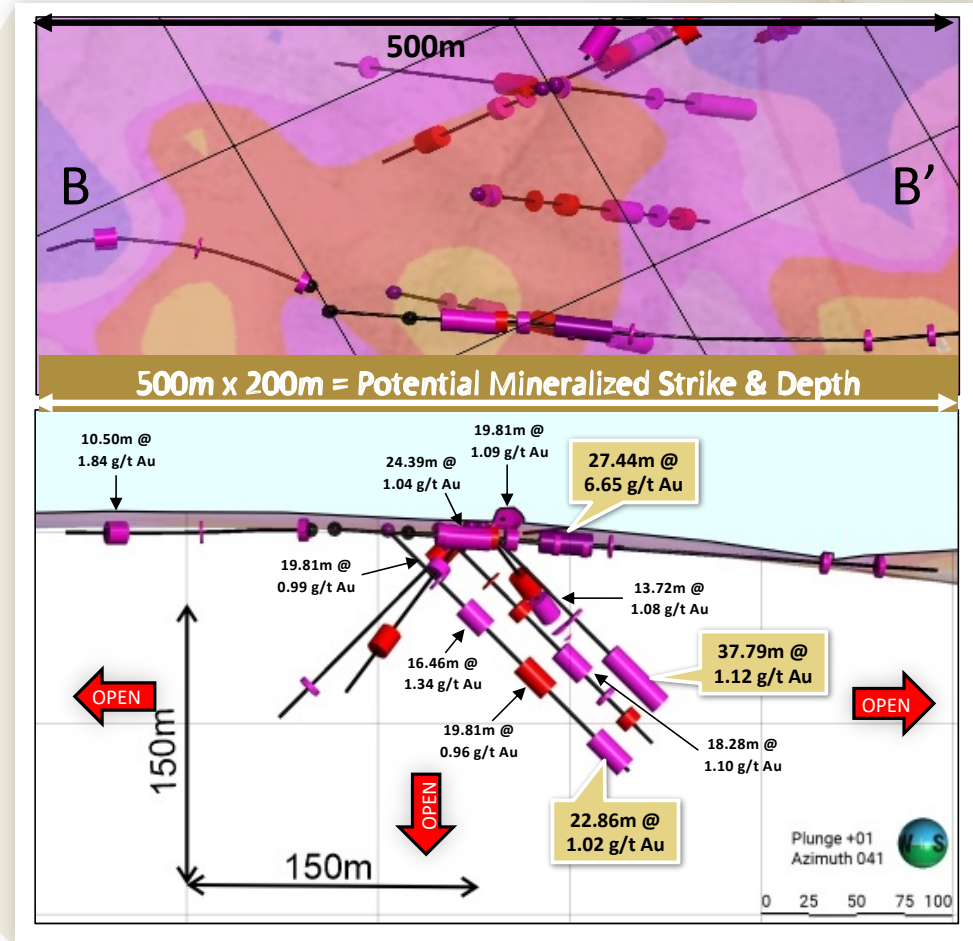
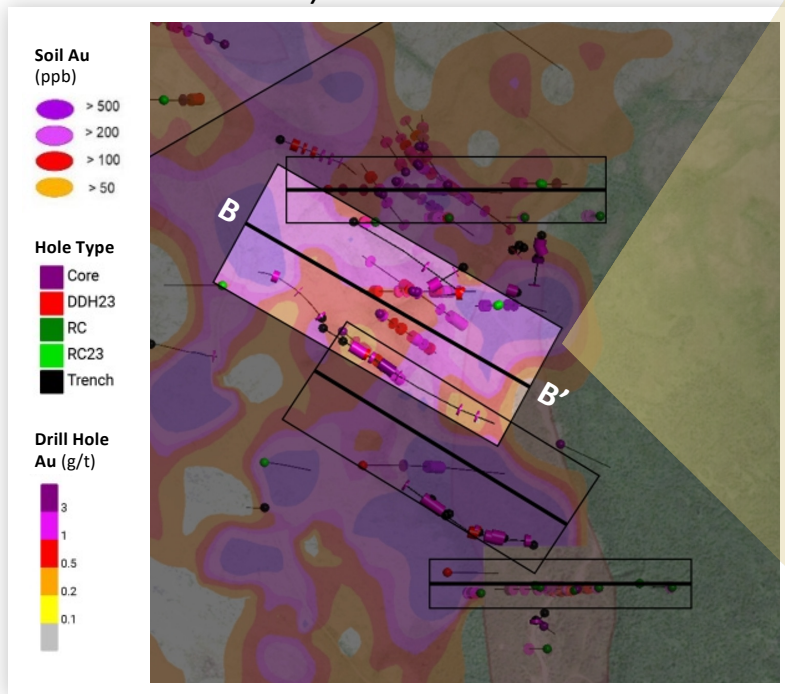


*Placer production figures from "Mineral Occurrence and Development Potential Report, Locatable and Salable Minerals, Bering Sea-Western Interior Resource Management Plan, BLM Alaska Technical Report 60", prepared by the U.S. Department of the Interior, Bureau of Land Management, November 2010"

CURRENT GLOBAL AVERAGE GRADE OF OPEN PIT & UNDERGROUND DEPOSITS = 1.04 G/T AU*

CHICKEN MOUNTAIN POTENTIAL HIGHER GRADE STARTER PITS

CROSS SECTION HIGHLIGHTING ONLY
+1.0 G/T AU COMPOSITES



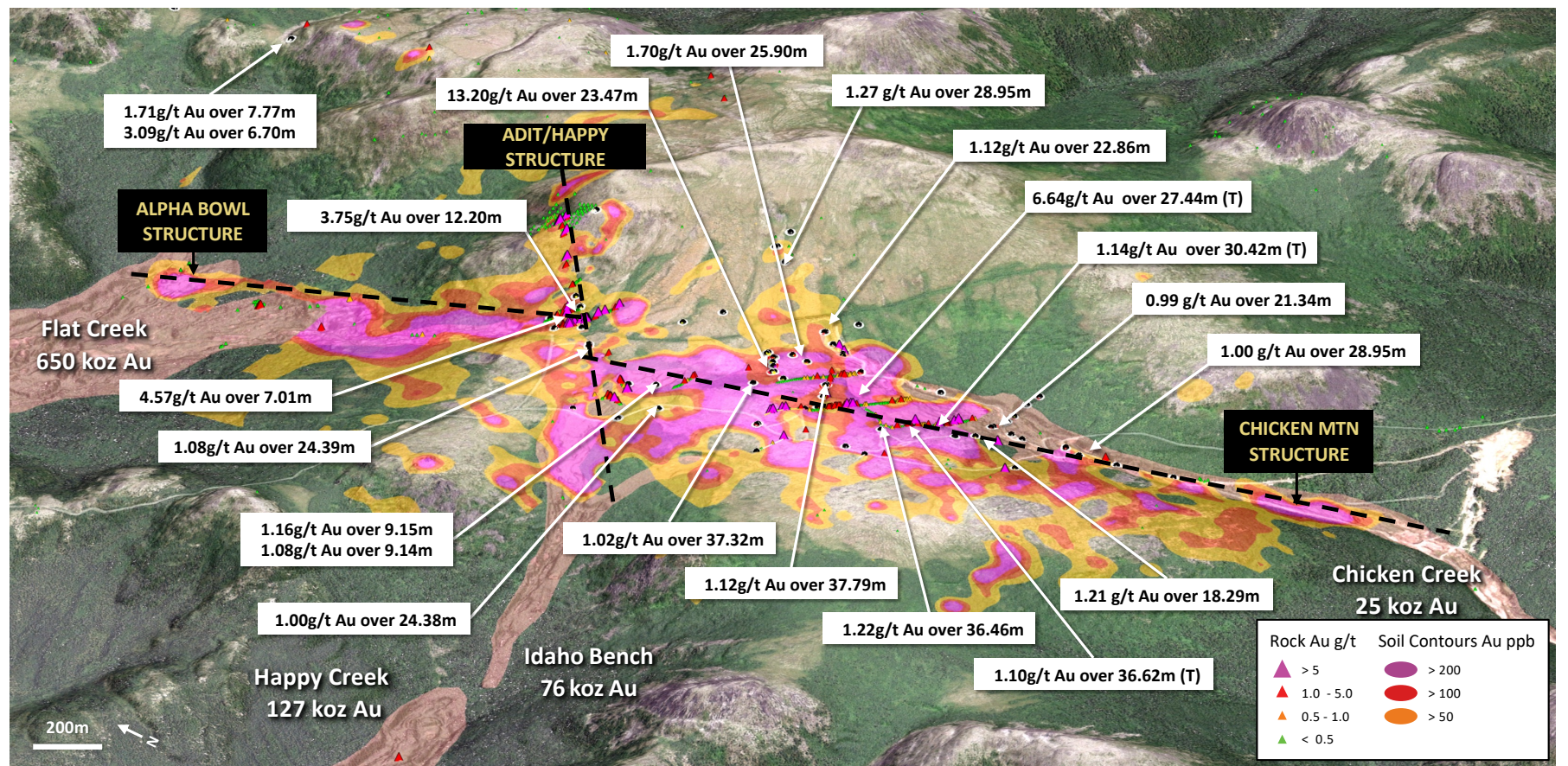


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MORE KILOMETRE-LONG DRILL TARGETS AT FLAT

EACH TARGET HAS THE POTENTIAL TO BE A STAND-ALONE PROJECT

2024 DRILL TARGET AREAS – ADIT/HAPPY, ALPHA BOWL & CHICKEN MOUNTAIN

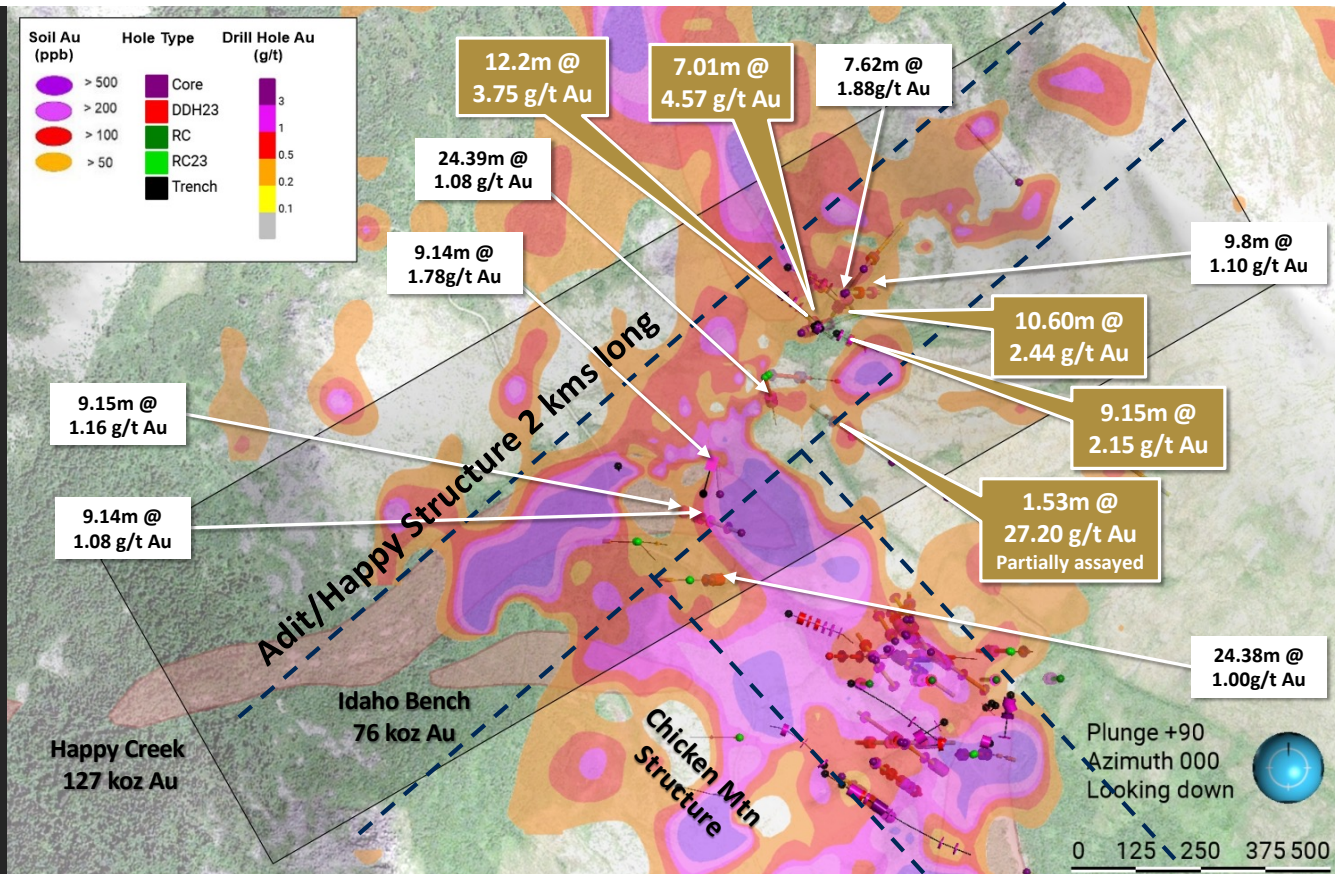


ADIT/HAPPY: DON'T TELL ME, SHOW ME THE EVIDENCE

ONLY > 1.0 G/T AU COMPOSITES SHOWN BELOW IN HISTORICAL DRILL HOLES & TRENCHES

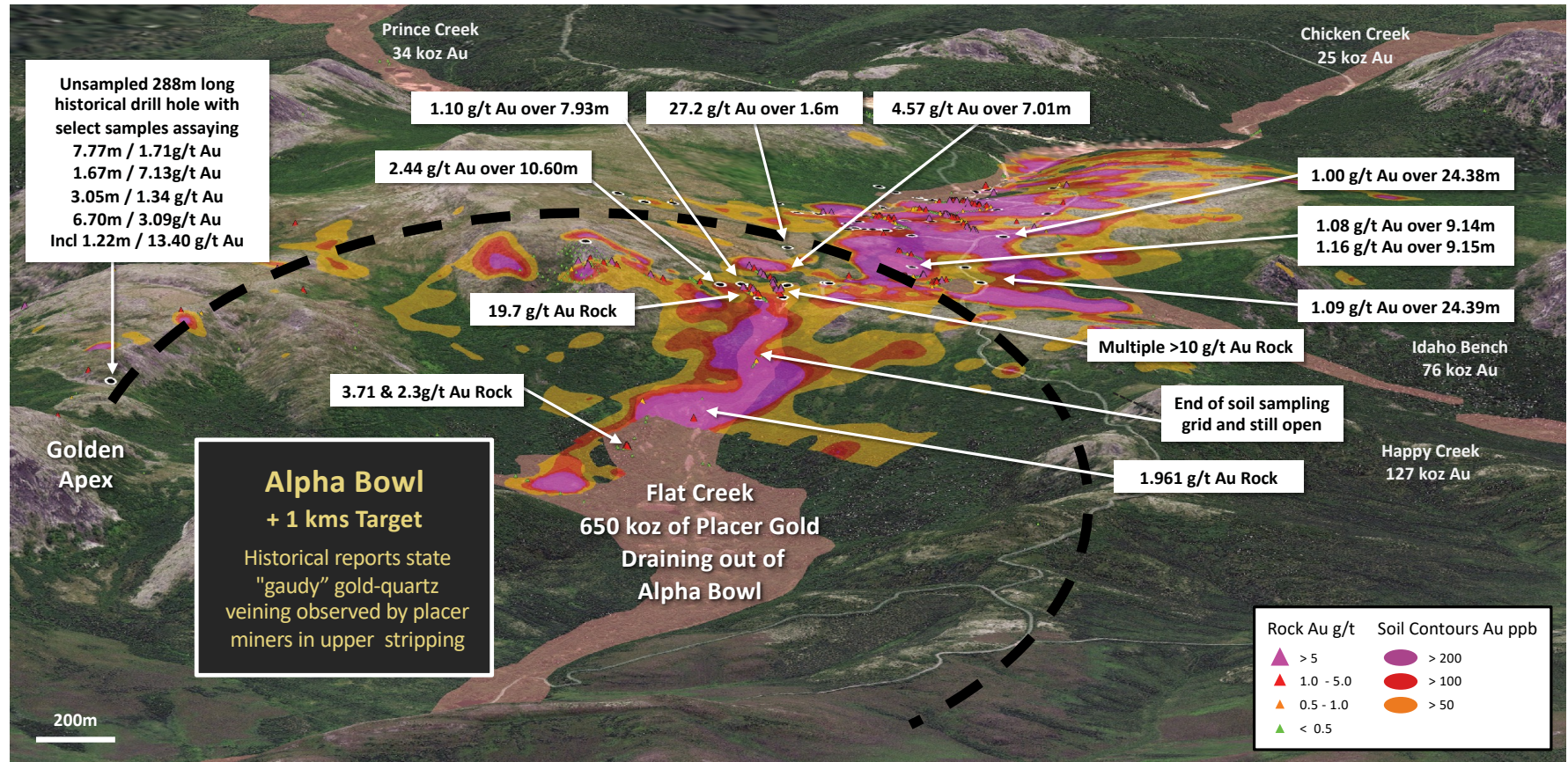
MULTIPLE LAYERS OF GEOLOGICAL EVIDENCE STACKED

1. Scale: 2 km long structural corridor NEWLY identified
2. Grade + Width: Intersecting structures typically produce enrichment on both fronts
3. Proven gold endowment:
 - a. historical drilling & trenching returned high-grade gold
 - b. ~200,000 oz of historical placer gold draining directly from target
4. Proven Exploration Methodology 100% Success Drill Rate
 - High tenor km long gold-in-soil coincident with geophysical anomaly



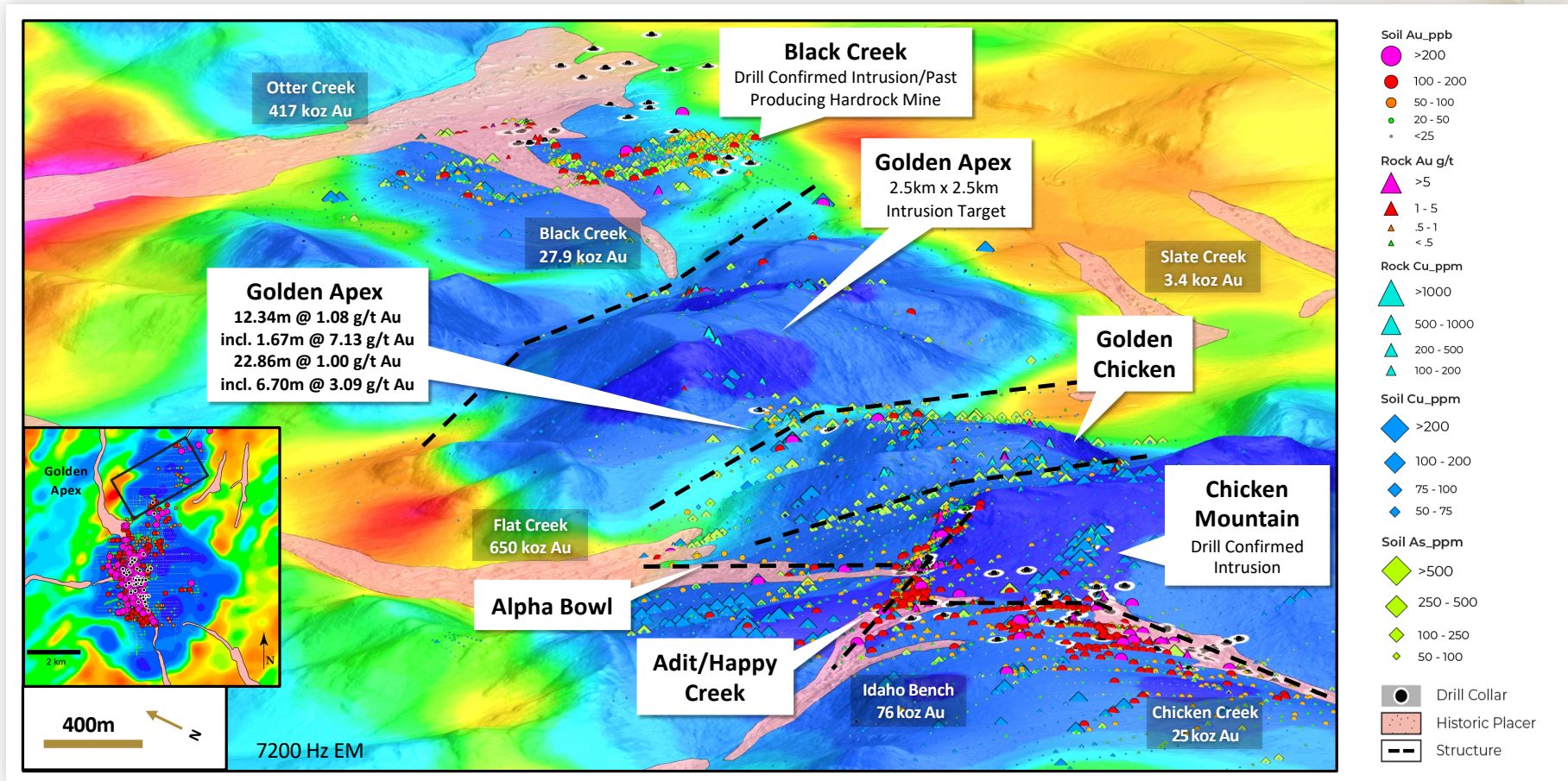
ALPHA BOWL: UNTESTED, KM-LONG DRILL TARGET & BEDROCK SOURCE OF 650KOZ AU

GEOLOGICAL EVIDENCE: PROLIFIC PLACER GOLD + HIGH TENOR GOLD ROCK & SOIL ANOMALIES + HISTORICAL DRILLING NEAR RIDGETOP + INTERSECTING STRUCTURES + FAVOURABLE GOLD HOSTED INTRUSIVE ROCKS MAPPED



DRILL TARGET AREAS: POTENTIAL INTACT INTRUSIONS

GEOPHYSICS WORKS IN IDENTIFYING INTRUSION COMPLEXES





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TETOF: OTCQB
T15B: FSE

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