



# THE FLAT GOLD PROJECT

ALASKA'S NEXT TIER 1 OPPORTUNITY

**TECTONIC**  
METALS INC.

## A SHIFT IN THE GAME

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

MAY 2024

# 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.

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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.



# TECTONIC DIFFERENTIATORS



## Indigenous Shareholders

Strategic investments > \$3.5M into Tectonic by Leading For-profit Native Regional Corporation - Doyon



## Target Mining Opportunities NOT Drill Plays

## Strong Supportive Shareholders

Crescat 22% Ownership

15% Tectonic Team & Other Resource Funds



## Business Model

Upfront de-risking:  
Full-Scale Production / IBA / ESG  
Agreements, Met Testing

Exercise discipline  
3 year plan with every project



## Proven, Dedicated & Focused Team

Diverse skill set from Exploration through to Mining, ESG, M&A, Capital Markets and Finance



## Tier One Potential Projects

Flat is one of the few projects in N. America offering a tremendous amount of scale



# 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 >\$3.5 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



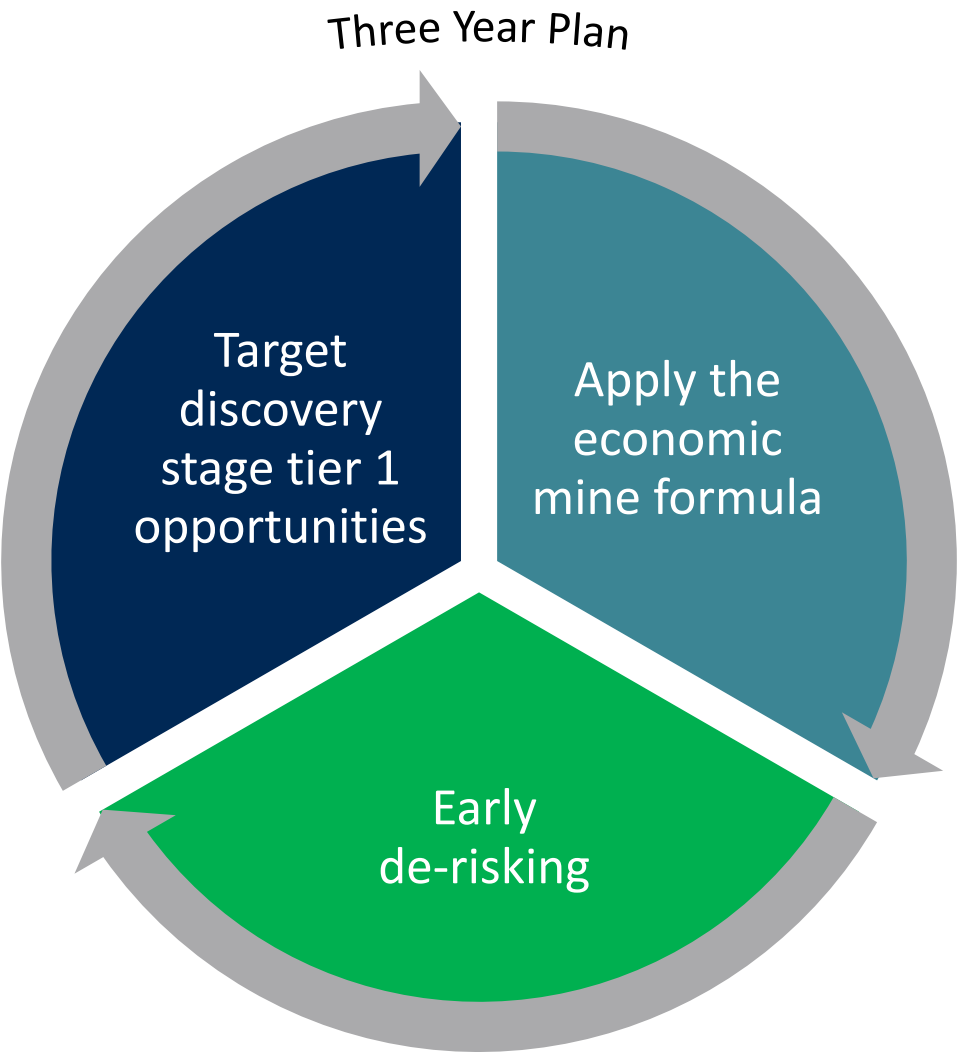


# THE TECTONIC BUSINESS MODEL

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	

# A COMMITTED, PROVEN AND SUCCESSFUL TEAM

INSIDE OWNERS REPRESENT THE THIRD LARGEST OWNERSHIP BLOCK

Necessary Skill Sets  
for Successful Exploration/Mining Companies






Team Member	Role	ESG	Mine Finder	Mining	M&A	Capital Markets	Notes
	<b>Allison Rippin Armstrong</b>	Chair	●	●	●	●	Environmental Biologist, UN consultant, 25 years experience in ESG and mine permitting.
	<b>Tony Reda</b>	Founder, CEO & President	●	●	●	●	Raised >\$200 million, \$520 million sale of Kaminak's Coffee Gold Project.
	<b>Eira Thomas</b>	Founder & Advisor	●	●	●	●	Discovery of Diavik diamond mine, CEO of Kaminak Gold, Formerly longest serving director of Suncor Energy and CEO of Lucara Diamond
	<b>Dr. John P. Armstrong</b> Ph.D., P Geol.	Director	●	●	●	●	30+ years of mining, mineral exploration, and government experience including gold projects in Yellowknife, Red Lake, and the Hope Bay Greenstone Belt
	<b>Joseph J. Perkins Jr.</b>	Director	●	●	●	●	40+ year legal career, involved with every major resource project in Alaska including Greens Creek, Fort Knox, and Pogo mines
	<b>Michael W. (Mick) Roper</b>	Director	●	●	●	●	40+ years' international geological experience spanning the mineral resource development cycle. Past 16 years exploration and M&A for Agnico Eagle.
	<b>Peter Kleespies</b> 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

## 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).

# 2024 VALUE CREATION STRATEGY

Potential for Multiple +1.0 g/t Au Mining Starter Pits

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De-Risking with Heap  
Leach Column Met  
Testing



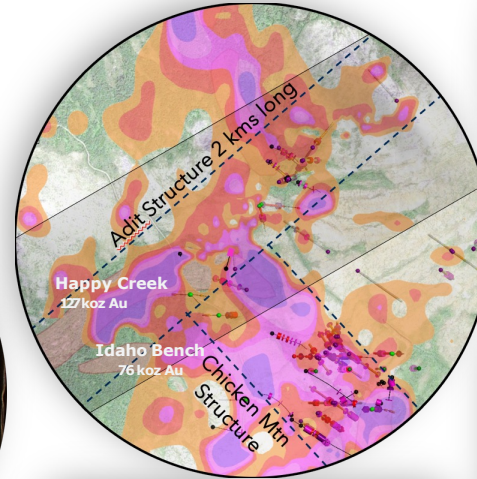
Multi-phase metallurgical test program to validate heap leaching of gold mineralization

Potential, Low-Cost Drill Discoveries Q2-Q3

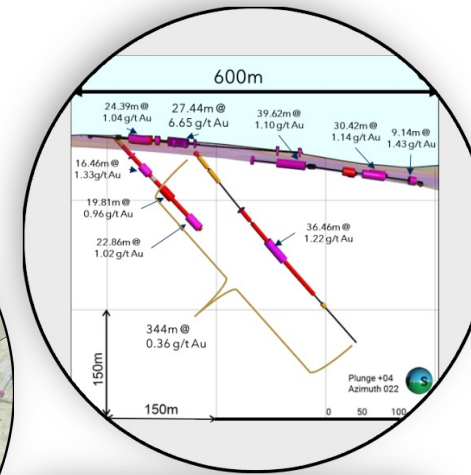


Tectonic uncovers unsampled historical drill core at new intrusion target areas. Tectonic assaying 4 historical drill holes (744m); select historical samples yielded up to 20 g/t Au.

Potential for Km-Long Drill Discoveries

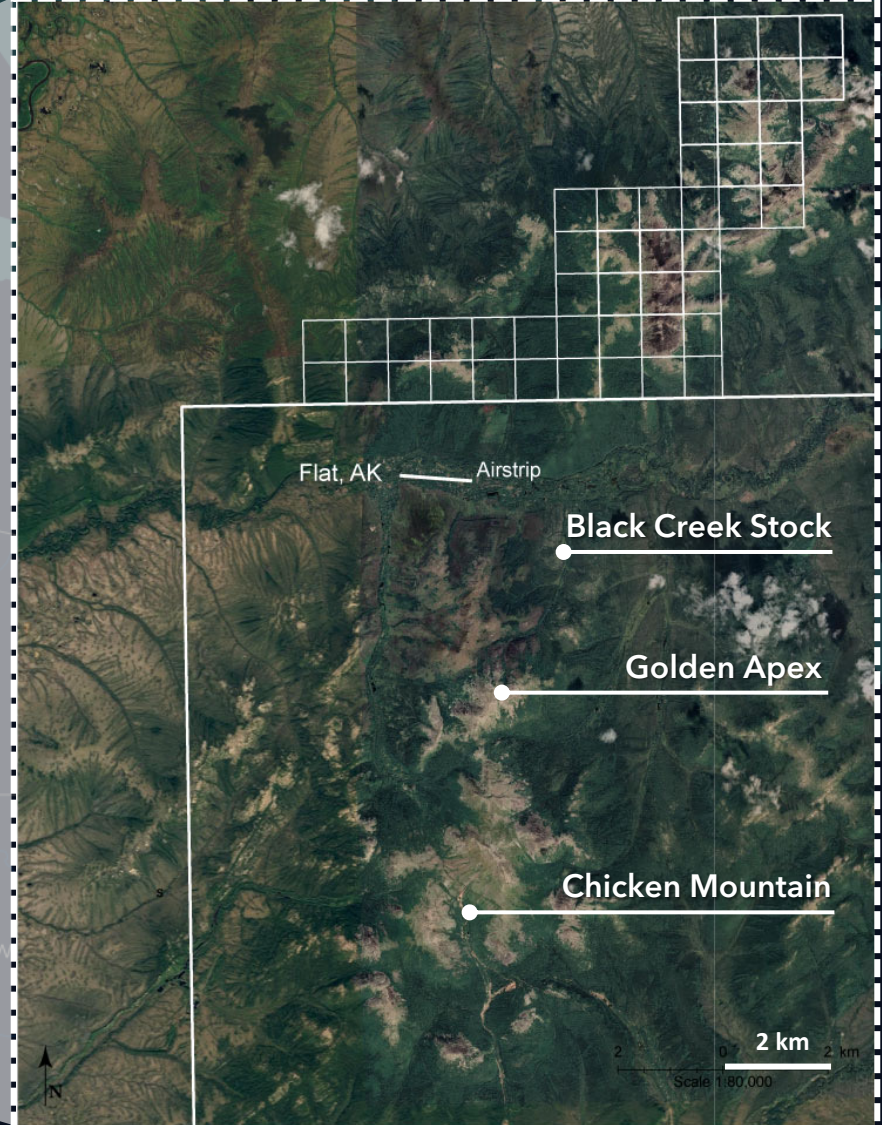


Strong, multi-layered geological evidence supports the discovery of several new kilometer-long zones of mineralization



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





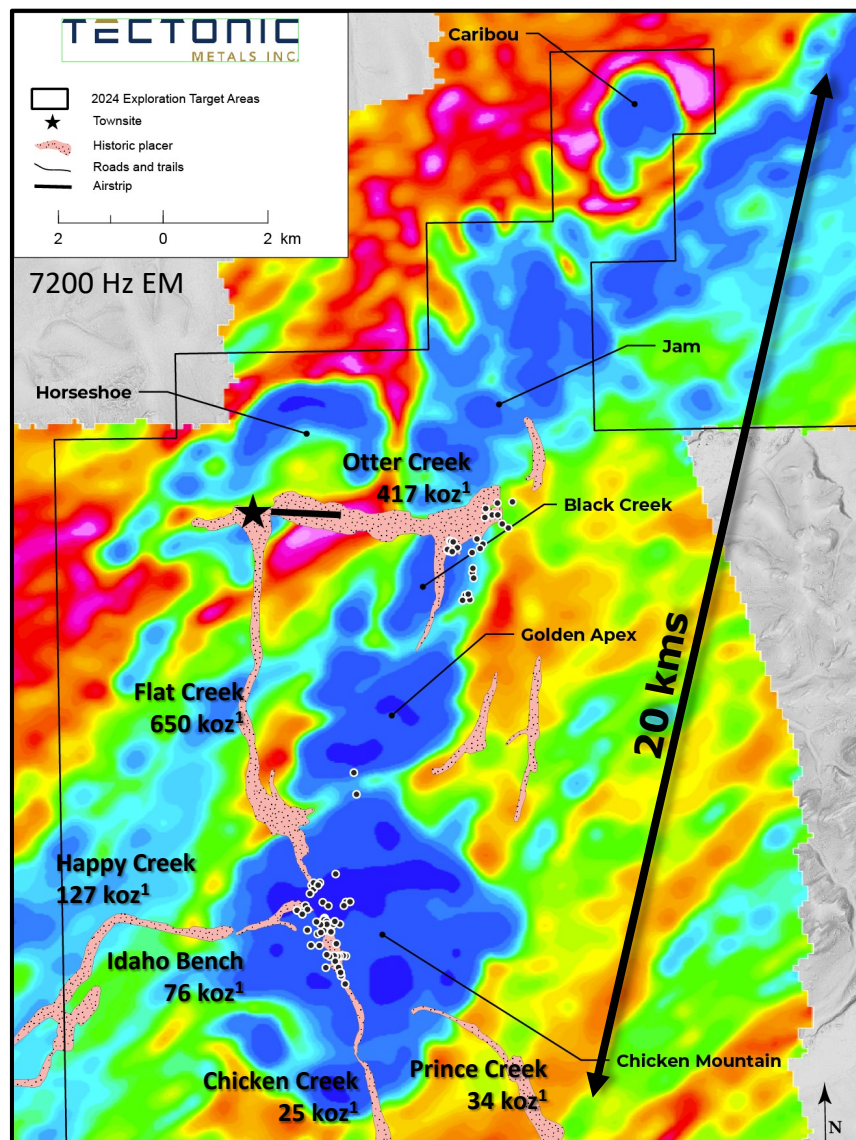
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## THE **FLAT** GOLD SYSTEM

- ▶ 6 CONFIRMED AND POTENTIAL INTRUSIONS
- ▶ CHICKEN MOUNTAIN - BULK OPEN PIT HEAP LEACH OPPORTUNITY

# THE FLAT GOLD SYSTEM: SIX DISTRICT SCALE INTRUSION TARGETS

PART OF 20 KM “STRING-OF-PEARLS” GEOPHYSICAL ANOMALY



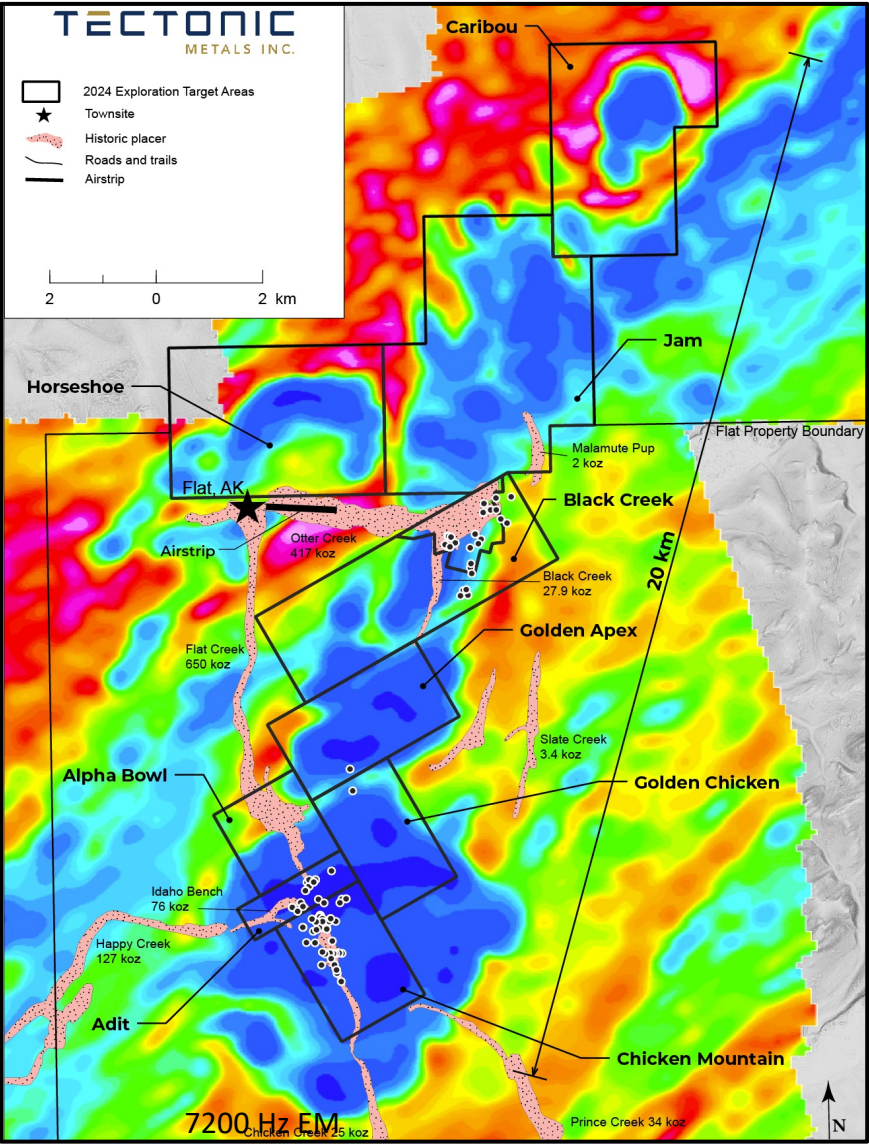
Intrusion Target	Intrusion Status	Geophysical Anomaly	Historical Placer Production from Drainages in Immediate Vicinity <sup>1</sup>
Caribou	Potential	1.7 km x 2.1 km	N/A
Jam	Potential	3.4 km x 5.5 km	419,000 oz (Otter and Malamute Pup)
Horseshoe	Potential	3.0 km x 2.0 km	417,000 oz (Otter Creek)
Black Creek Stock	Drill Confirmed	1.5 km x 1.5 km	445,000 oz (Otter and Black Creek)
Golden Apex	Potential	2.5 km x 2.5 km	682,000 oz (Flat, Slate, Black Creeks)
Chicken Mountain	Drill Confirmed	6.5 km x 5.6 km	954,000 oz (Flat, Happy, and others)

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



# EXPLORATION AND DRILL TARGET AREAS

## EXPLORATION AND DRILL TARGET PIPELINE

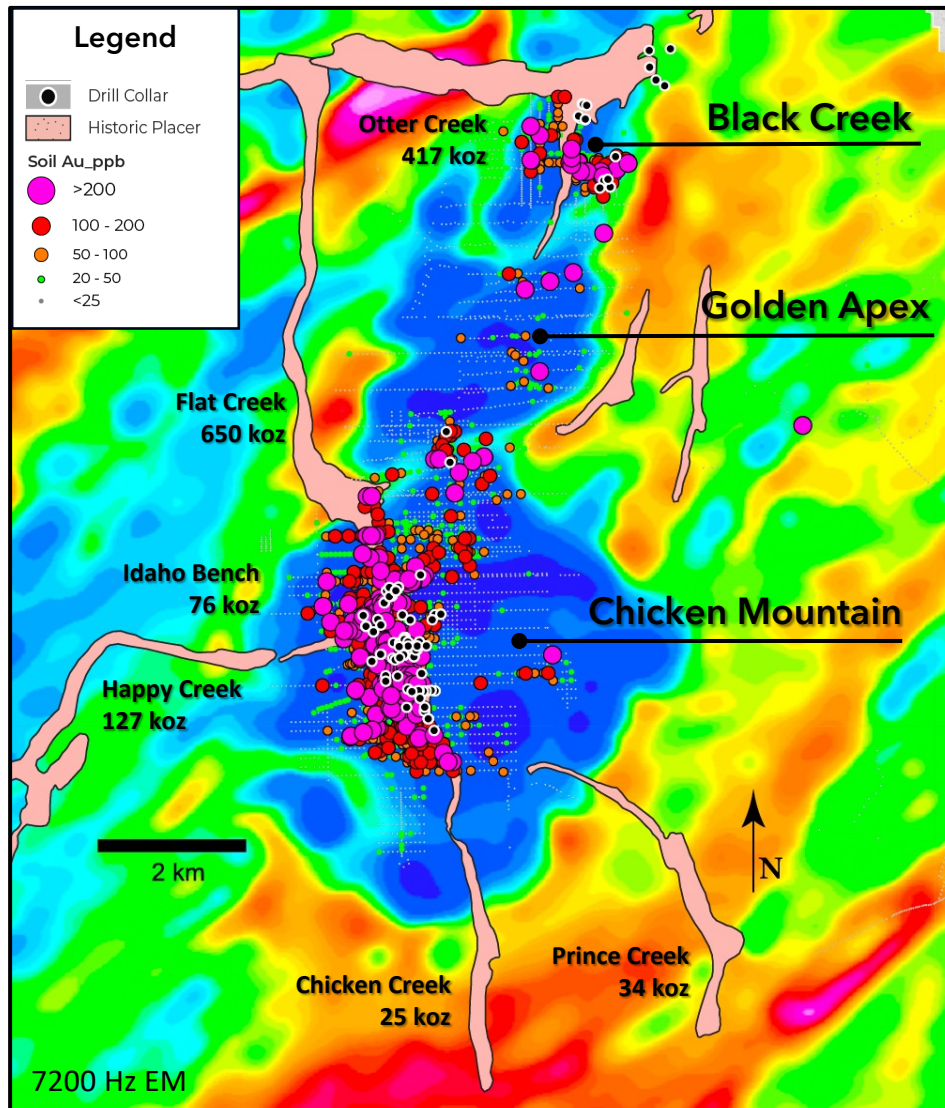


Intrusion Target	# of Drill Holes	Metres Drilled
Caribou	-	-
Jam	-	-
Horseshoe	-	-
Black Creek	19	2280m
Golden Apex	1	213m
Alpha Bowl	-	-
Golden Chicken	1	289m
Adit / Happy Creek	19	2501m
Chicken Mountain	74	9741m

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

# CHICKEN MOUNTAIN - "BIG DEPOSITS LEAVE BIG FOOTPRINTS"

PART OF 20 KM "STRING-OF-PEARLS" GEOPHYSICAL ANOMALY



## 1.4 Moz<sup>1</sup> recorded placer production at Flat

- ▶ Third richest placer gold mining jurisdiction in Alaska<sup>1</sup>
- ▶ Chicken Mountain credited as bedrock source
- ▶ Every stream draining out of Chicken Mtn. carries placer gold

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

- ▶ Unglaciaded terrain
- ▶ < 50% drill tested and open

## 74 drill holes at Chicken Mountain

- ▶ All hit gold mineralization
- ▶ 37 of 74 drill holes ending in mineralization

## 96% gold recovery (average)

- ▶ Tectonic de-risking: metallurgical testing on historic drill core
- ▶ 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 <sup>1</sup>	Flat	Fort Knox <sup>2</sup>	Eagle <sup>3</sup>	Rogue <sup>4</sup>
Company	Barrick & Novagold	Tectonic Metals	Kinross	Victoria Gold	Snowline
Production History	30,000 oz (Placer)	1.4 million oz (Placer)	9.0 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 +mill	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)



**DONLIN GOLD PROJECT**  
BARRICK & NOVAGOLD (50-50 JV)



**FORT KNOX MINE**  
KINROSS



**EAGLE GOLD MINE**  
VICTORIA GOLD



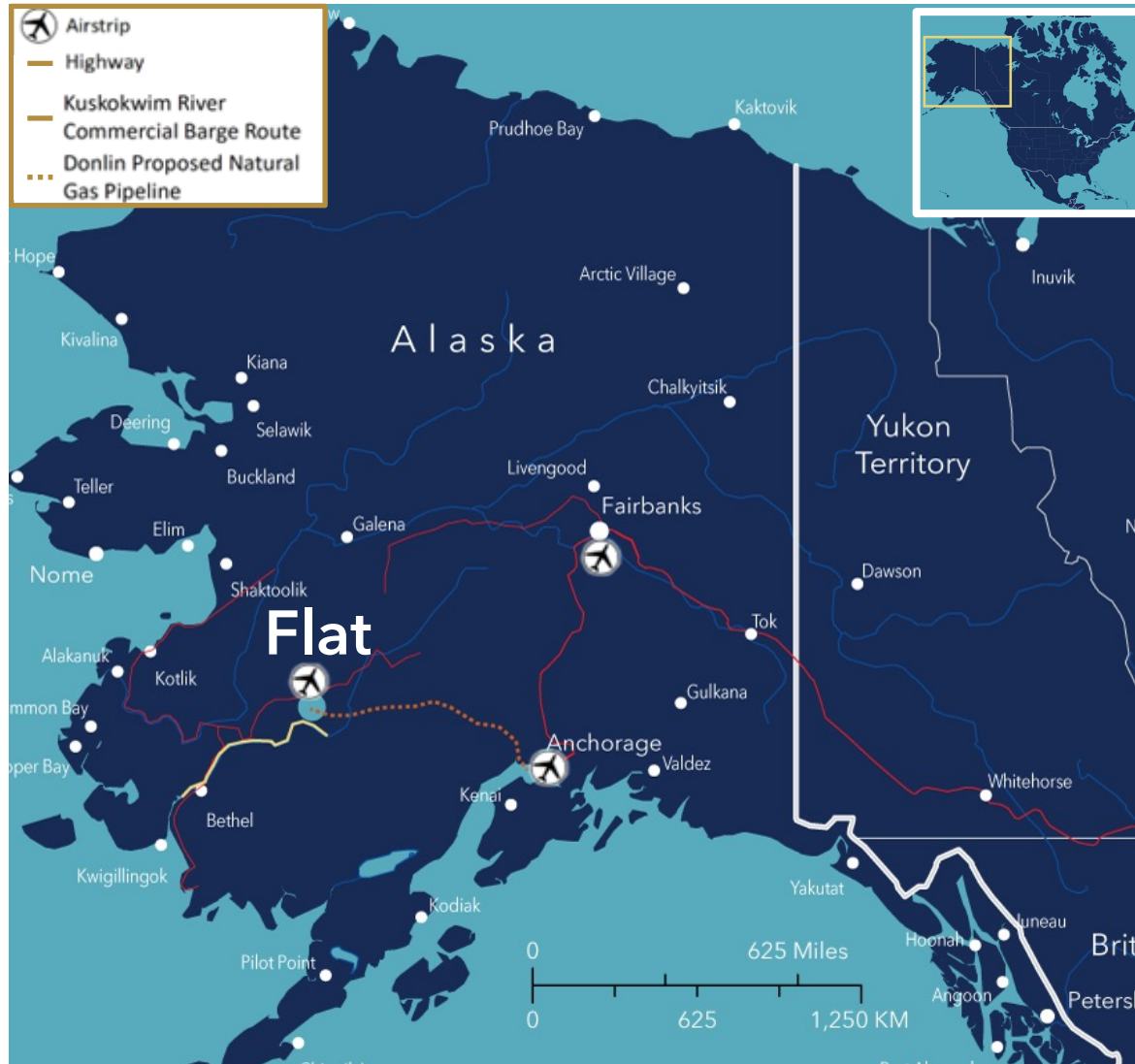
**ROGUE PROJECT**  
SNOWLINE GOLD

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](#).



# 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 nearby**
  - ▶ Winter trail from Crooked Creek to Flat
- ▶ **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



4100 ft Hercules Airstrip Onsite at Flat



Chicken Mountain road access ~7.5km from Flat Airstrip



Kuskokwim River

Crooked Creek Barge River Access



# ADVANTAGED **TOPOGRAPHY**

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





# TURN-KEY OPERATION

MULTI-YEAR CAMP ESTABLISHED WITH DRILLS STATIONED AT SITE







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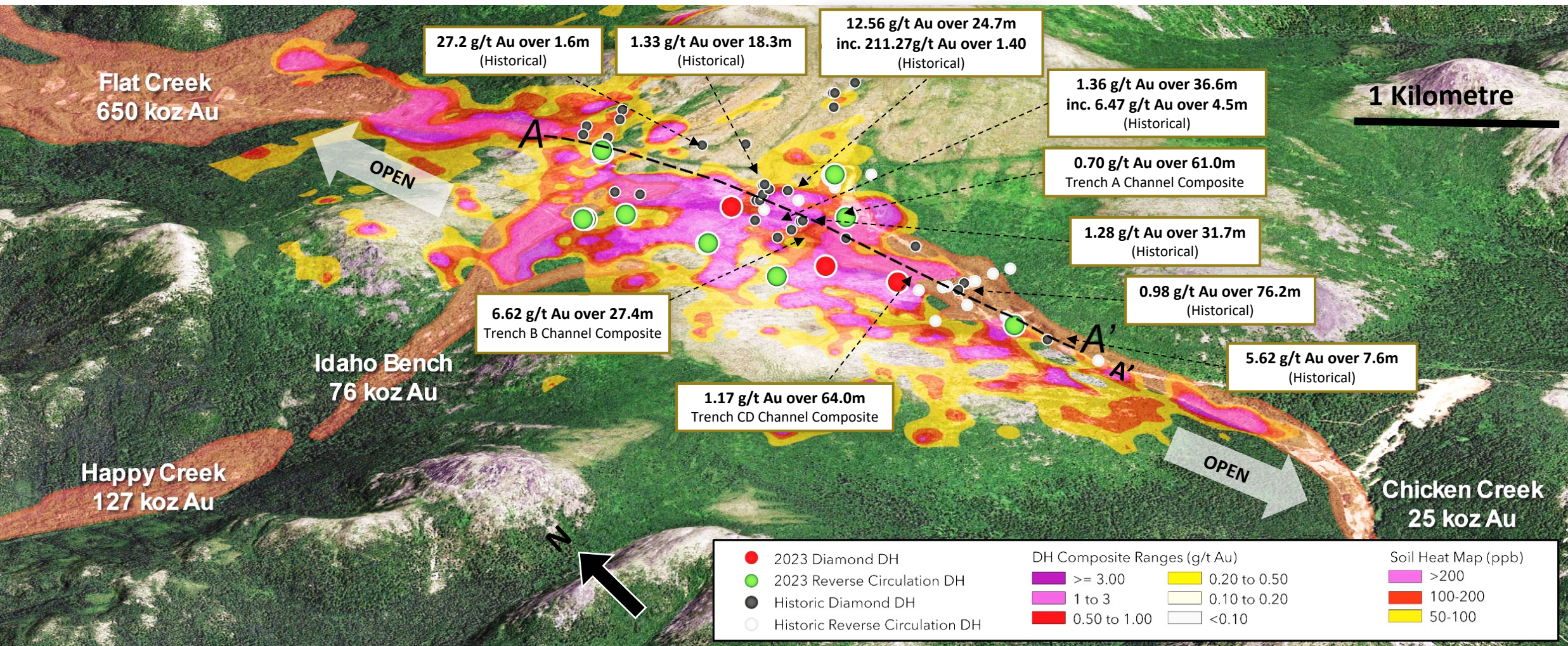
# CHICKEN MOUNTAIN INTRUSION

MULTI-MILLION OUNCE OPEN-PIT POTENTIAL



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

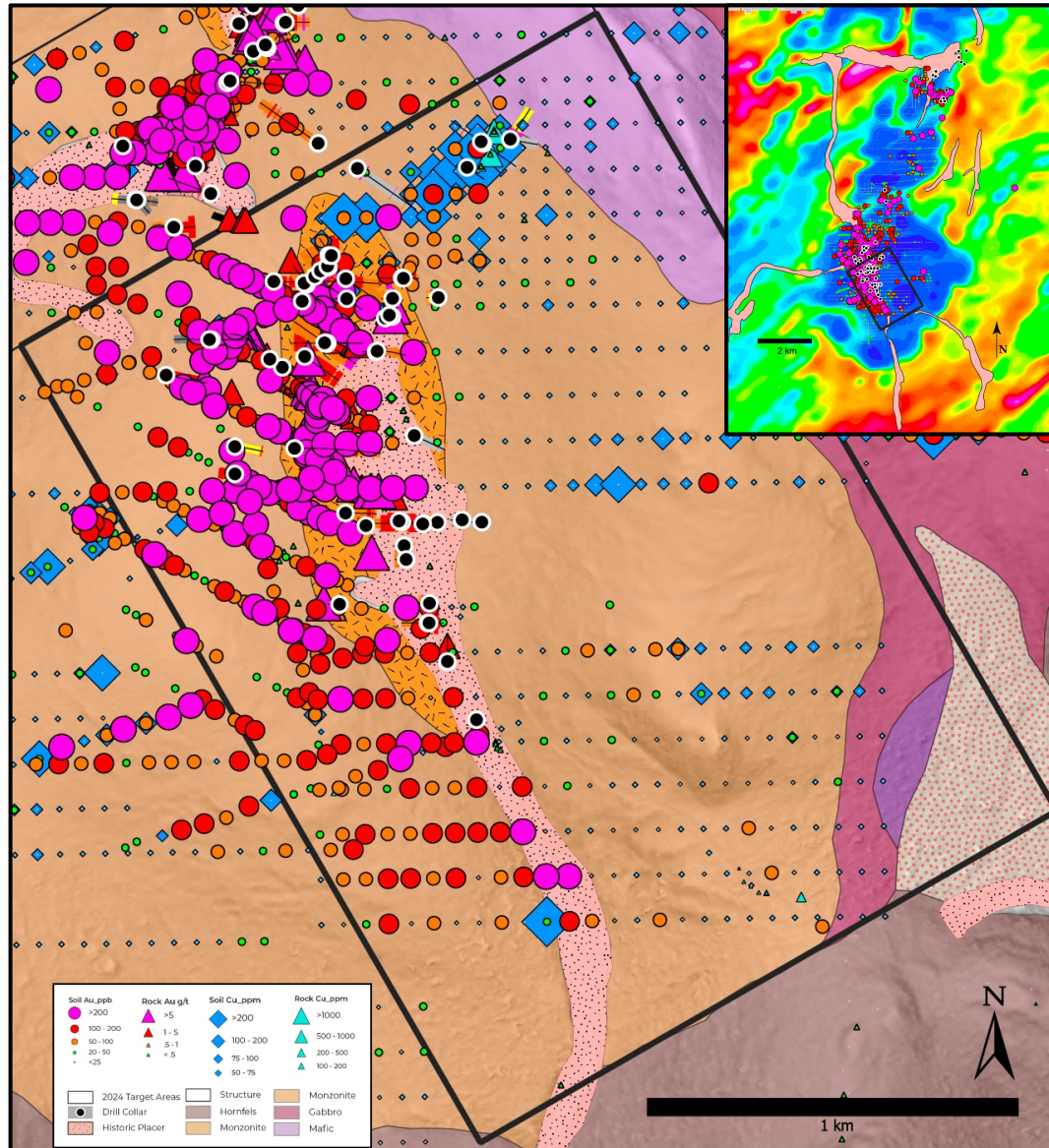
1.8 KMS OF MINERALIZED STRIKE A-A', 300 METRES VERTICAL DEPTH (OPEN)



\*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"



# DRILL TARGET AREA: CHICKEN MOUNTAIN



## Proposed Exploration Methodology

	Geophysics	Mapping/ Prospecting	Soil Sampling	Trenching	RC Drilling	Diamond Drilling
Chicken Mountain	✓			✓	✓	✓

## ► 100% Success Rate in Drilling

- All drill holes hit gold mineralization
- 37 of 74 drill holes ended in mineralization
- +1km N-NW strike of significant gold grades

## ► Gold in Soil Anomalies in Unglaciaded Terrain

- Soil anomalies in unglaciaded terrain have a high success rate at predicting bedrock mineralization directly below soils
- 912koz historical placer production from Chicken Mtn.<sup>1</sup>

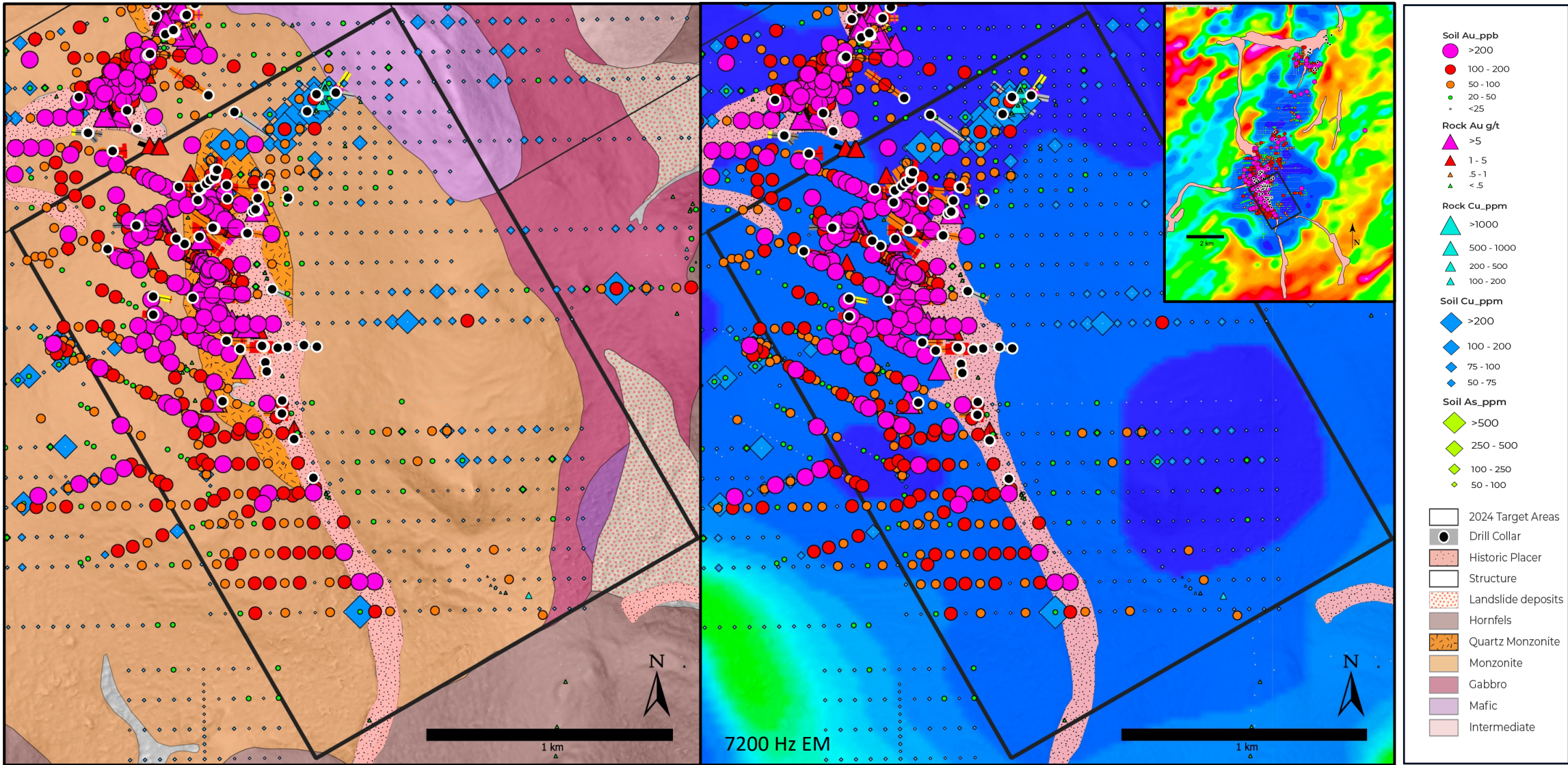
## ► Untapped Potential

- Open for expansion in all directions

<sup>1</sup> 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



# DRILL TARGET AREA: CHICKEN MOUNTAIN

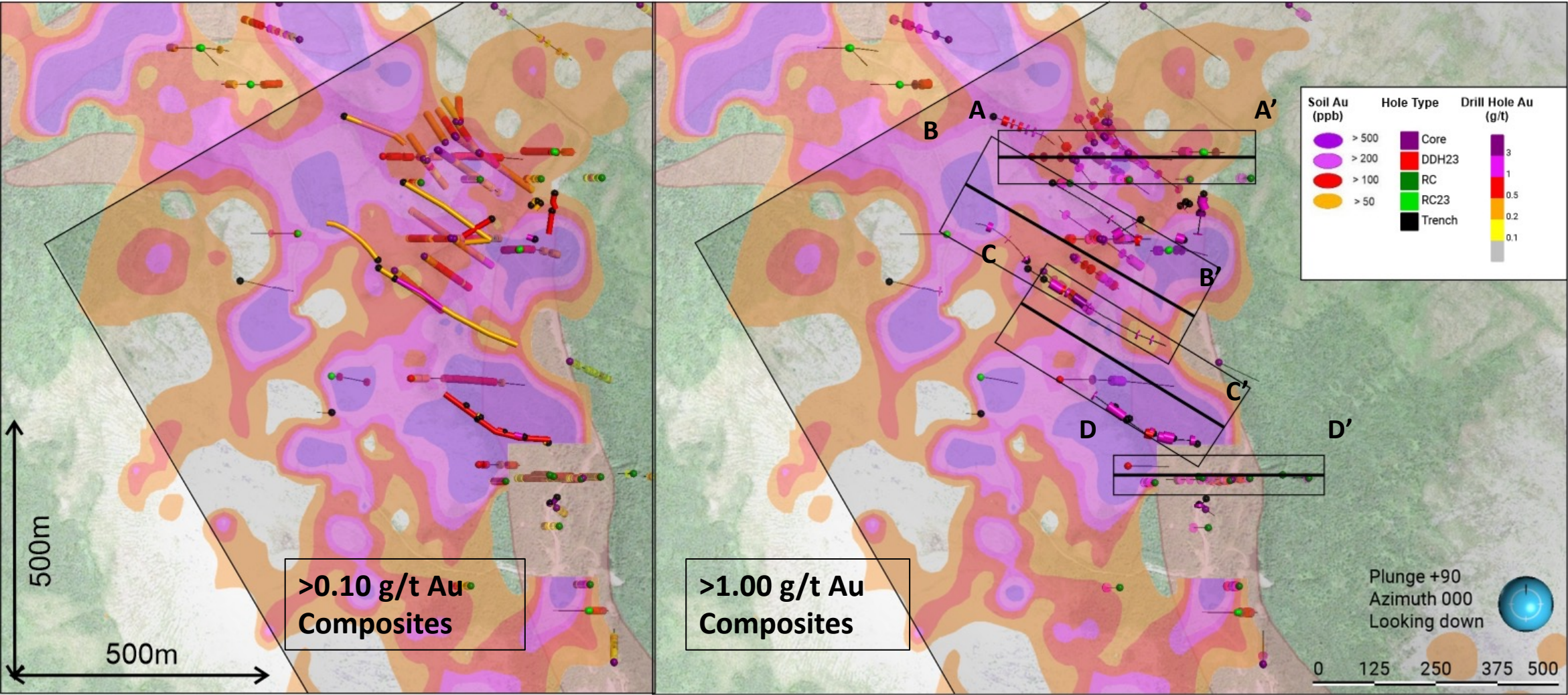




# CHICKEN MOUNTAIN GOLD COMPOSITE COMPARISONS

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

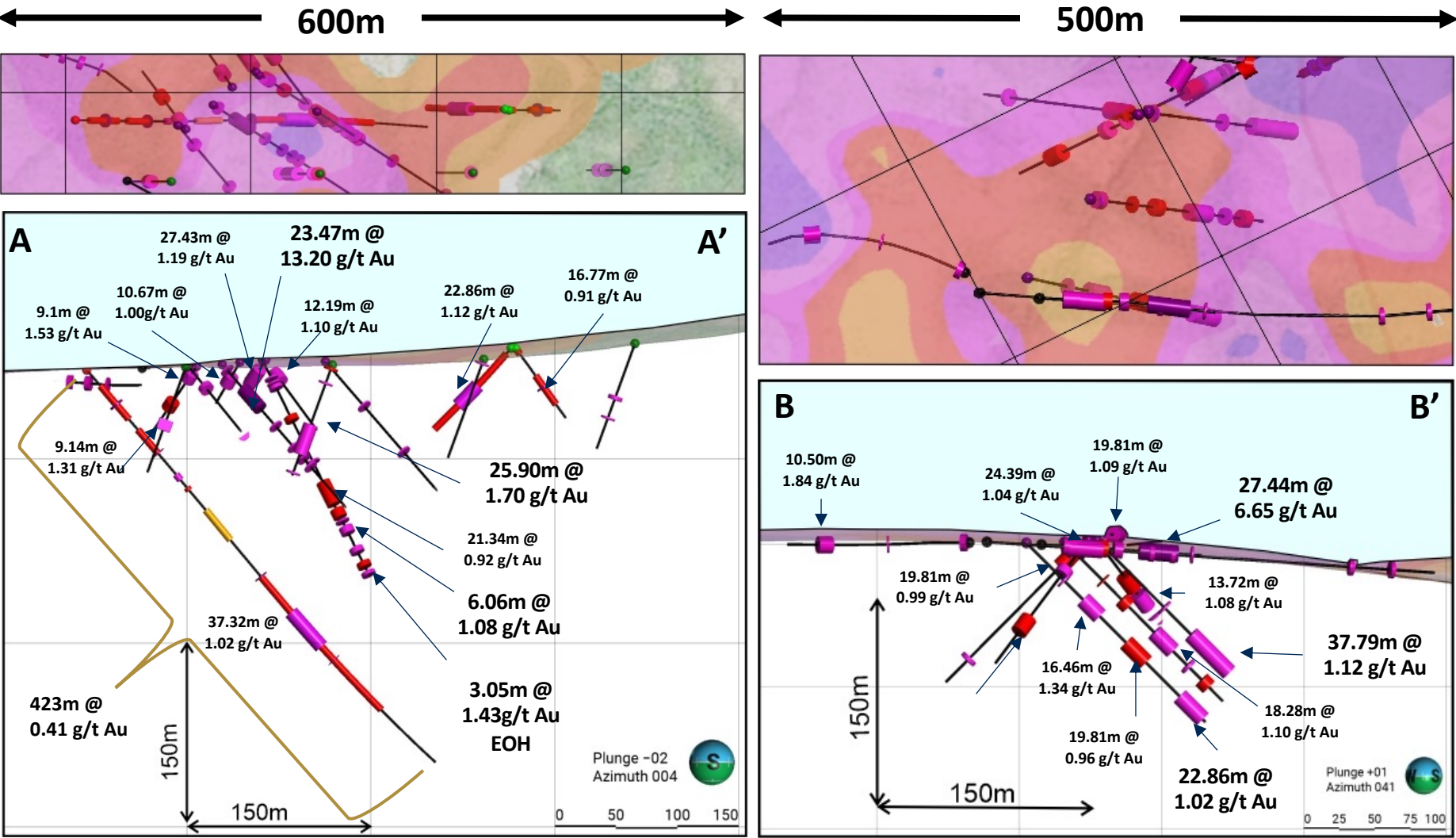
## Drill Hole + Trench Composites



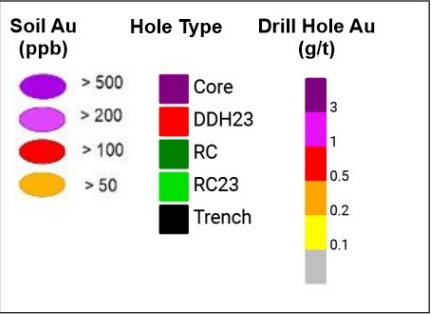
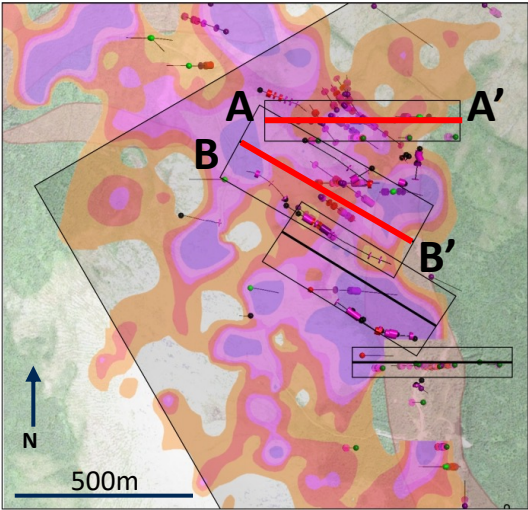


# CHICKEN MOUNTAIN - POTENTIAL HIGH GRADE STARTER PITS

CROSS SECTIONS HIGHLIGHTING ONLY +1.0 G/T AU COMPOSITES



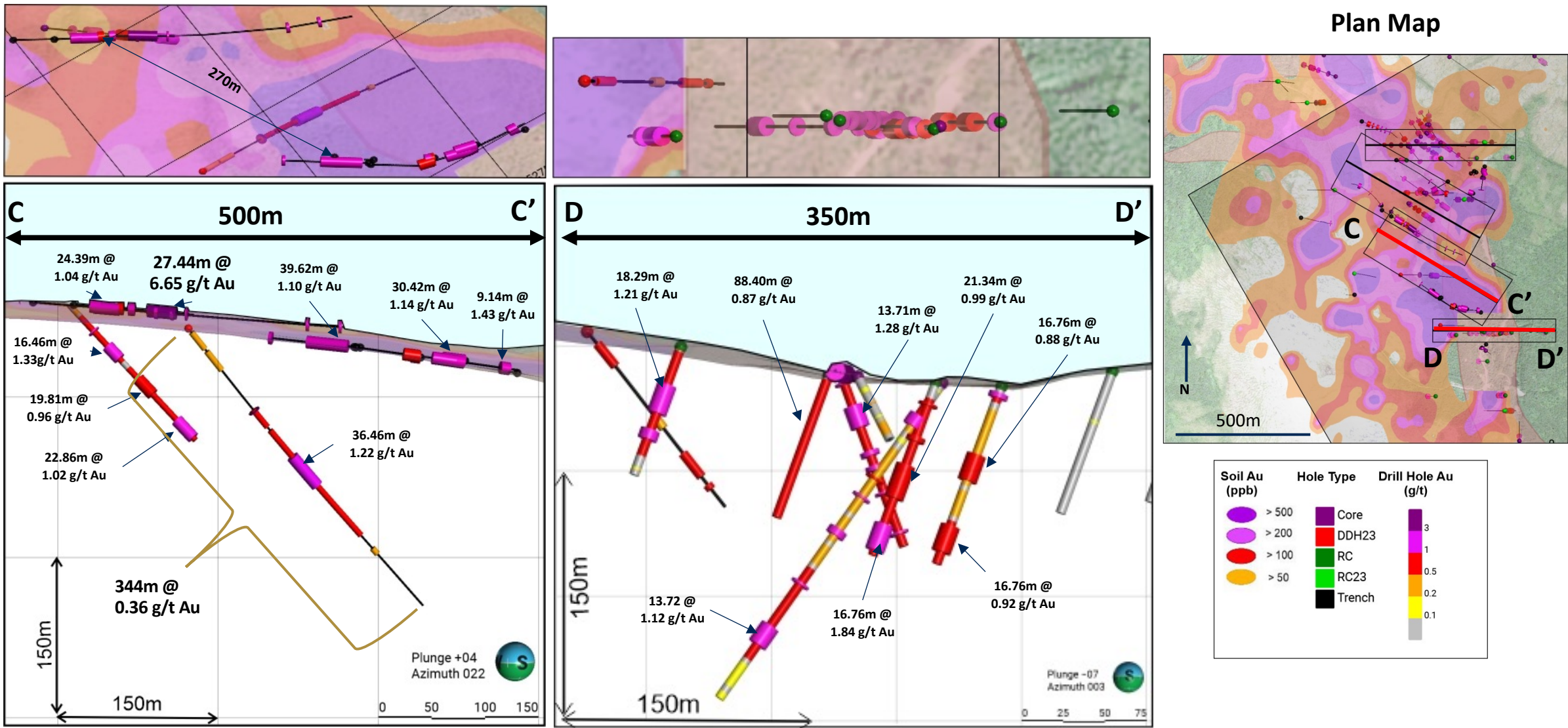
Plan Map





# CHICKEN MOUNTAIN - POTENTIAL HIGH GRADE STARTER PITS

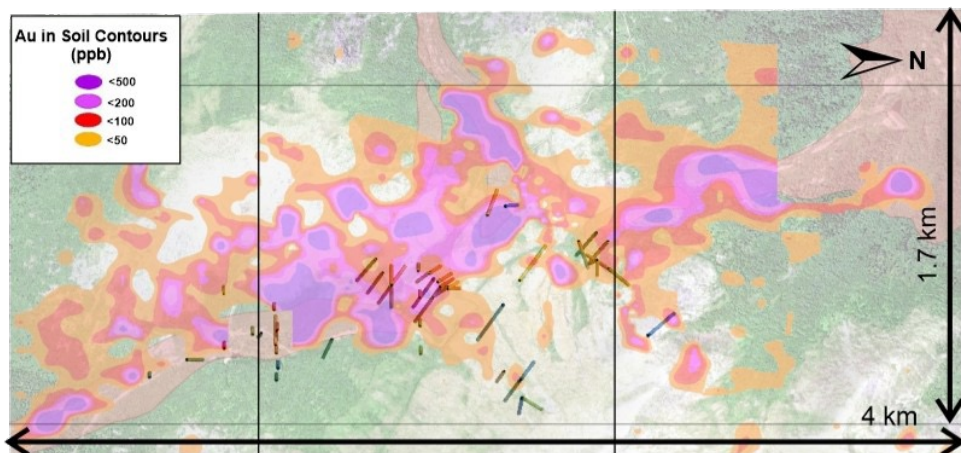
CROSS SECTIONS HIGHLIGHTING ONLY +1.0 G/T AU COMPOSITES



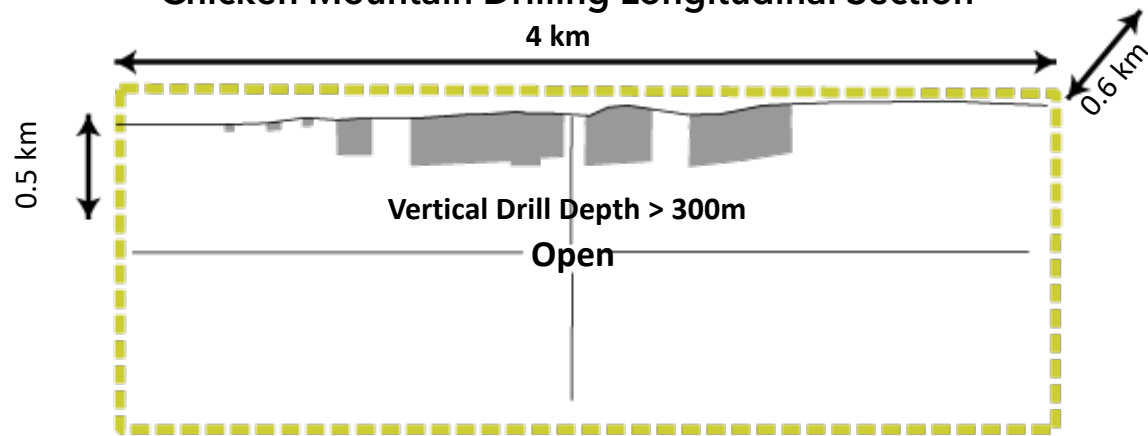
# A 100% DRILL HIT SUCCESS RATE, THE GOLD IN SOIL FOOTPRINT IS A RELIABLE INDICATOR OF BEDROCK MINERALIZATION AND SIZE FOOTPRINT

SOIL GRID IS OPEN FOR EXPANSION AND < 50% OF SOILS DRILL TESTED TO DATE

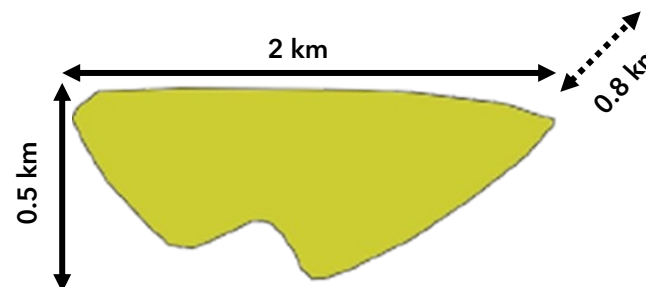
## Chicken Mountain 4 km x 1km Gold in Soil Footprint Plan view



## Chicken Mountain Drilling Longitudinal Section



## Mineralization Footprints of Other Tintina Projects



### FORT KNOX MINE

Past production:

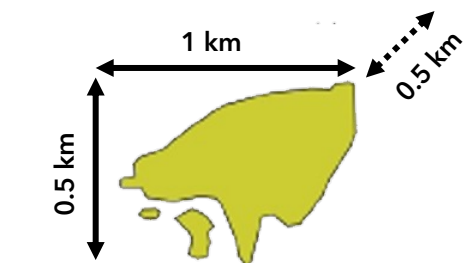
9.0 Moz Au<sup>1</sup>

Mineral Resource (M&I):

3.0 Moz @ 0.83 g/t Au<sup>1</sup>

Estimated Volume:

**0.8 km<sup>3</sup>**



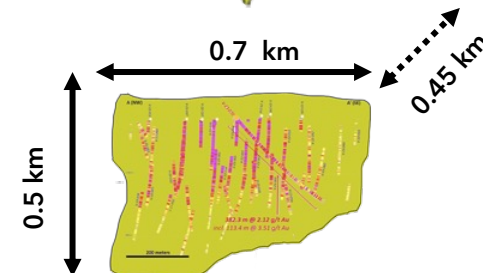
### EAGLE MINE

M&I Mineral Resource (M&I):

4.3 Moz @ 0.65 g/t Au<sup>2</sup>

Estimated Volume:

**0.25 km<sup>3</sup>**



### SNOWLINE GOLD CORP.

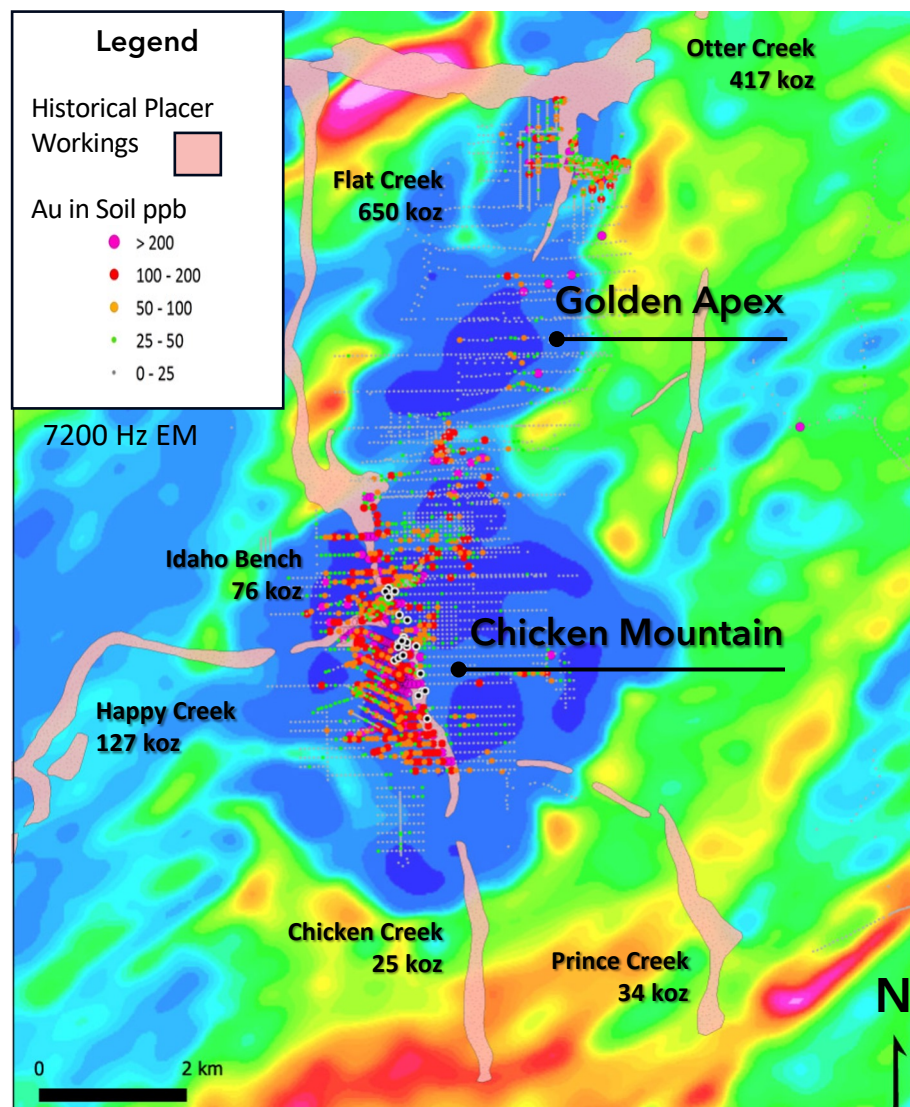
ROGUE PROJECT:

Area highlighting “Valley” target  
drill holes from cross-section  
A(NW) - A'(SE)

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 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.



# 1.8 KM OF DRILLED STRIKE AT CHICKEN MTN: **JUST SCRATCHING THE SURFACE** **TECTONIC** METALS INC. DRILLING TO DATE HAS COVERED ONLY A FRACTION OF THE TOTAL POTENTIAL



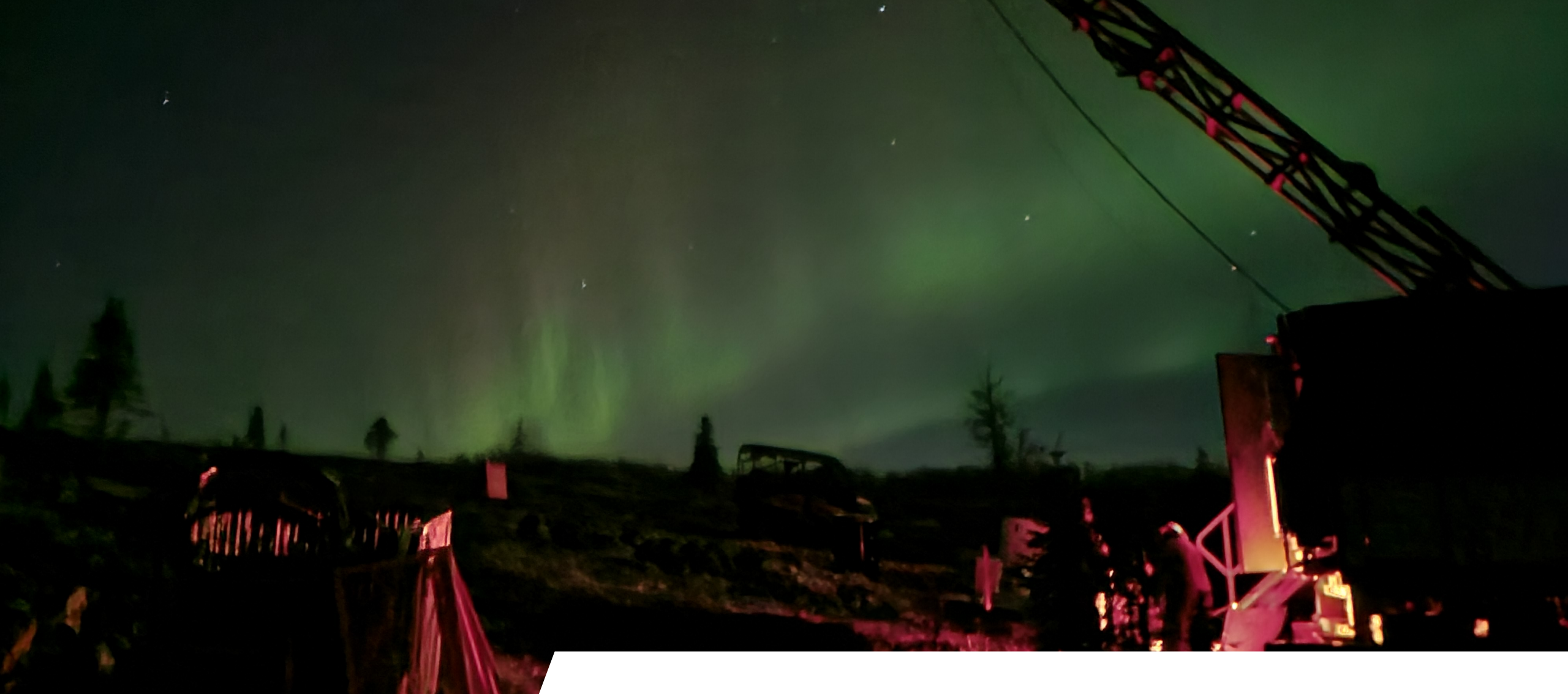
**Only 50%** of the 4 km x 1 km  
high tenor gold-in-soil anomaly has been drill tested

**Only 33%** of the 6.0 km x 5.6 km  
Chicken Mountain geophysical anomaly tested

**Only 17%** of the 20 km long  
complex of six potential and confirmed intrusions explored

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





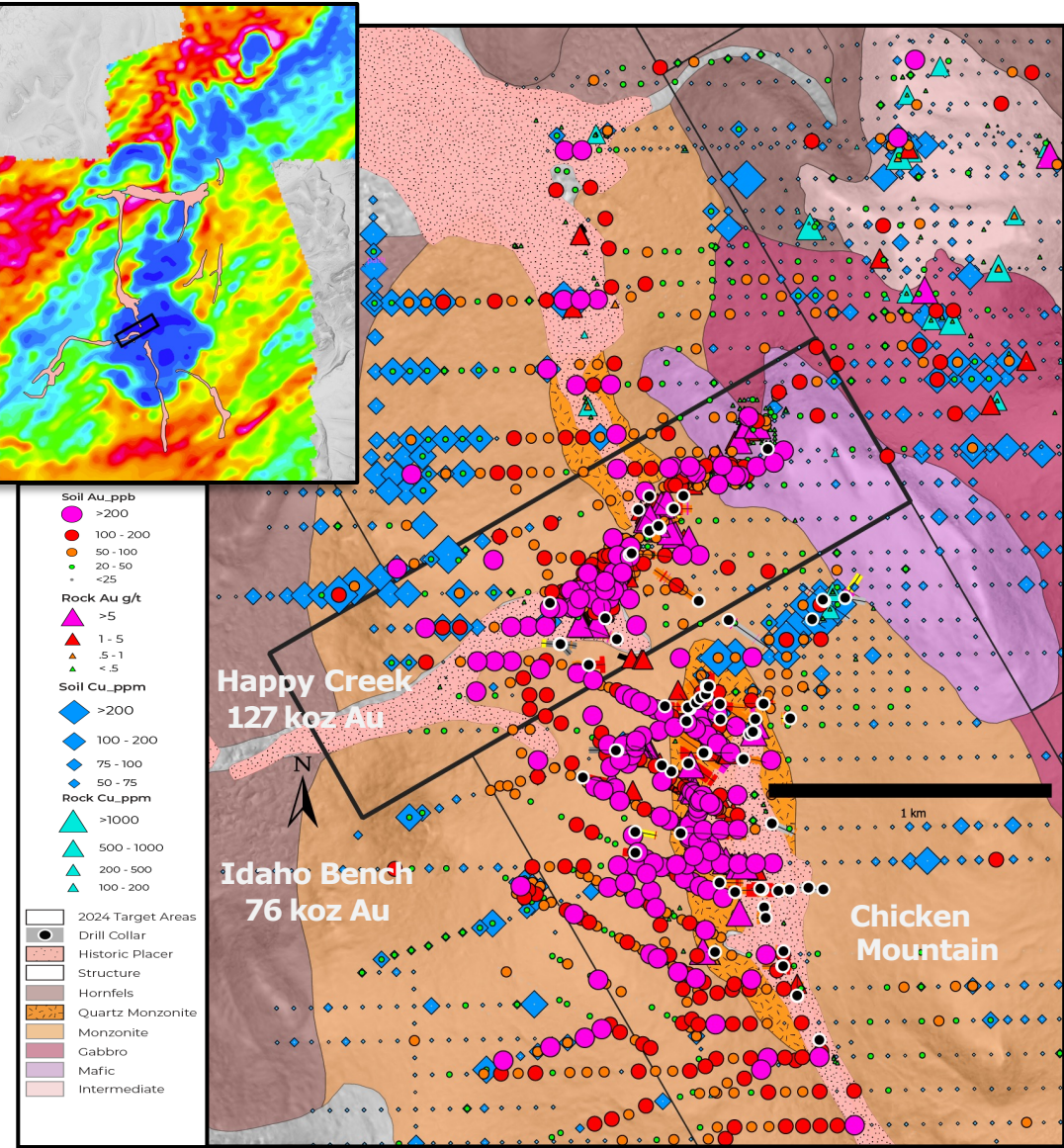
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## MORE DISTRICT SCALE TARGETS AT FLAT

EACH TARGET HAS THE POTENTIAL TO BE STAND ALONE PROJECT



# DRILL TARGET AREA: 2 KM LONG ADIT / HAPPY CREEK STRUCTURE



## Proposed Exploration Methodology

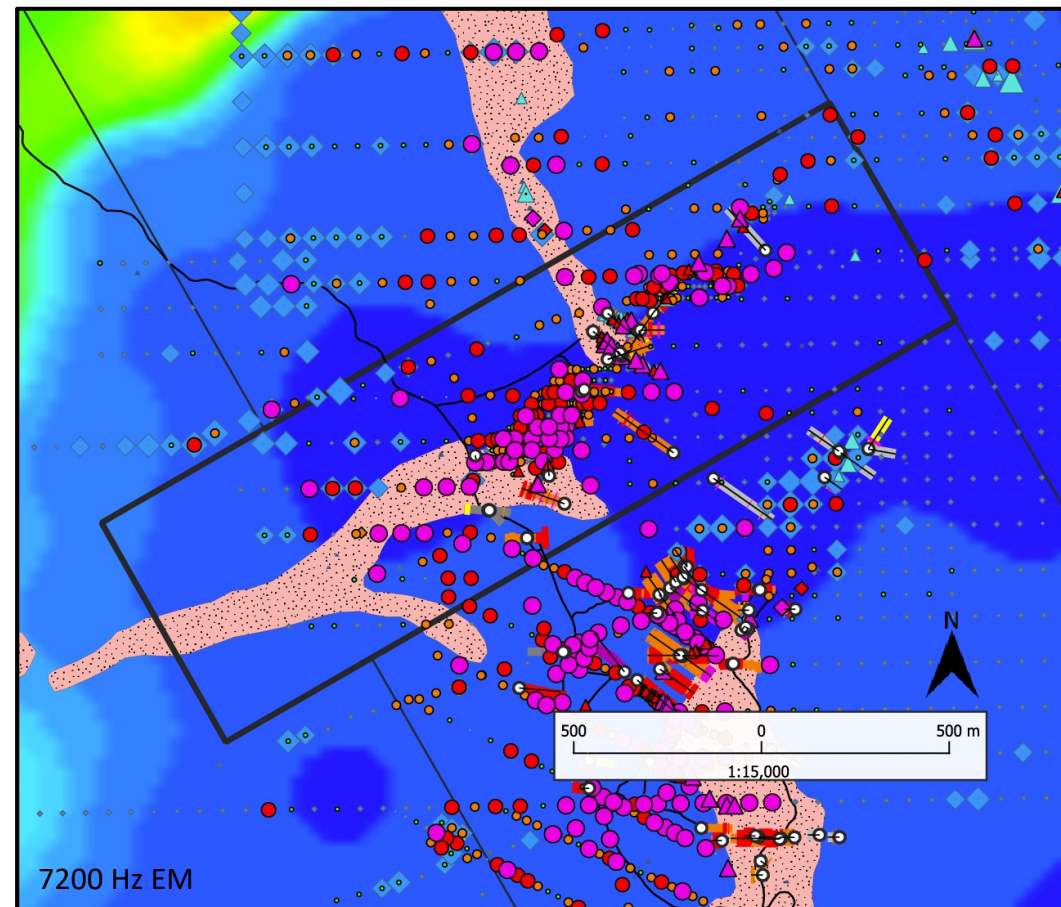
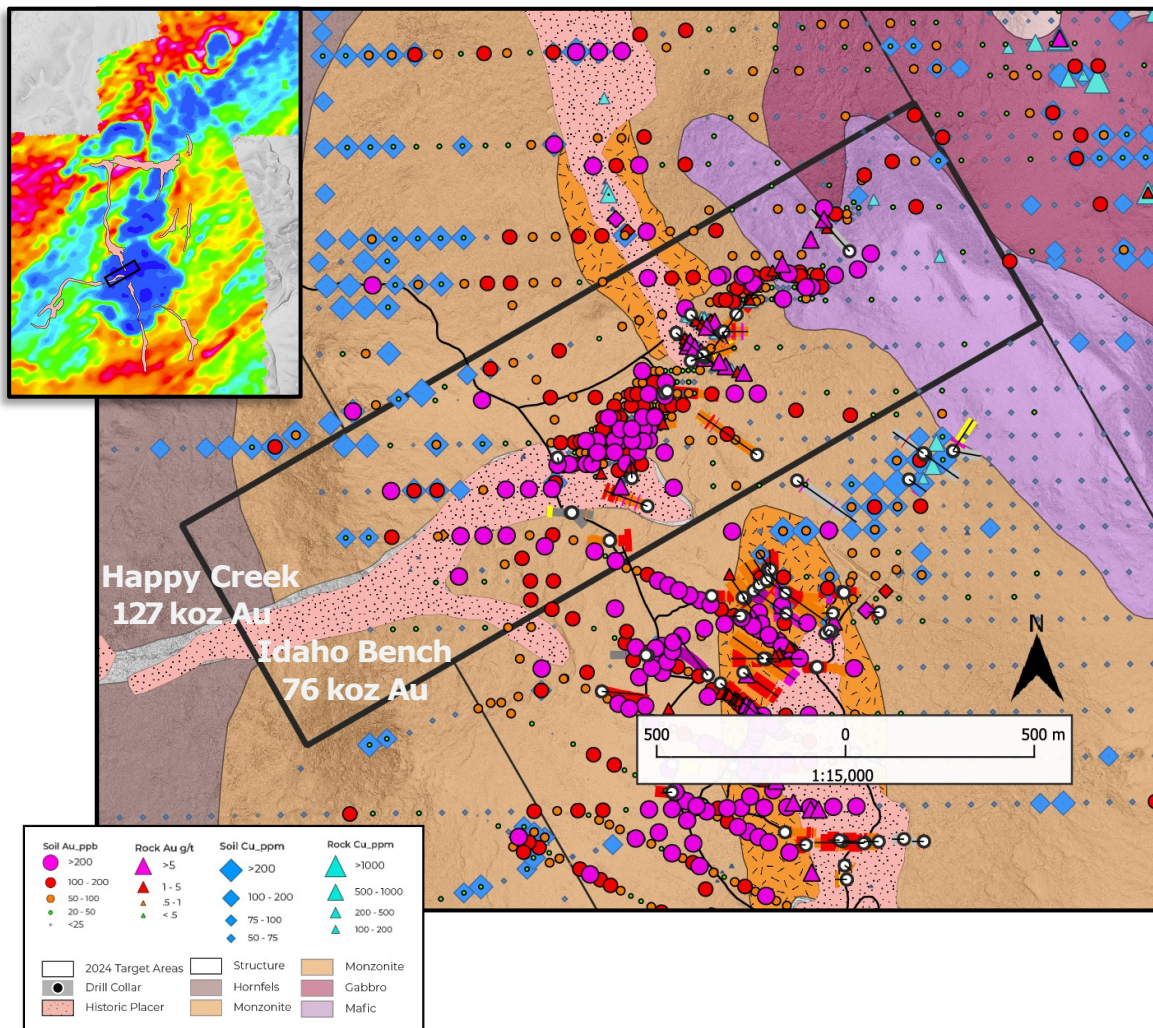
	Geophysics	Mapping/ Prospecting	Soil Sampling	Trenching	RC Drilling	Diamond Drilling
Adit/Happy Creek	✓	✓		✓	✓	✓

- NNE striking zone of intrusion hosted mineralization with strong structural control
- Drilled over 1000m of strike
- Open for expansion to northeast and southwest and to depth
- Intersection with Chicken Mountain Structure untested
- RC Fences and Trenching to define boundaries of mineralized envelope
- Diamond drilling to define structural orientation
- +1 km long high tenor gold in soil anomaly
- Placer gold draining from structure



# DRILL TARGET AREA: 2 KM LONG ADIT / HAPPY CREEK STRUCTURE

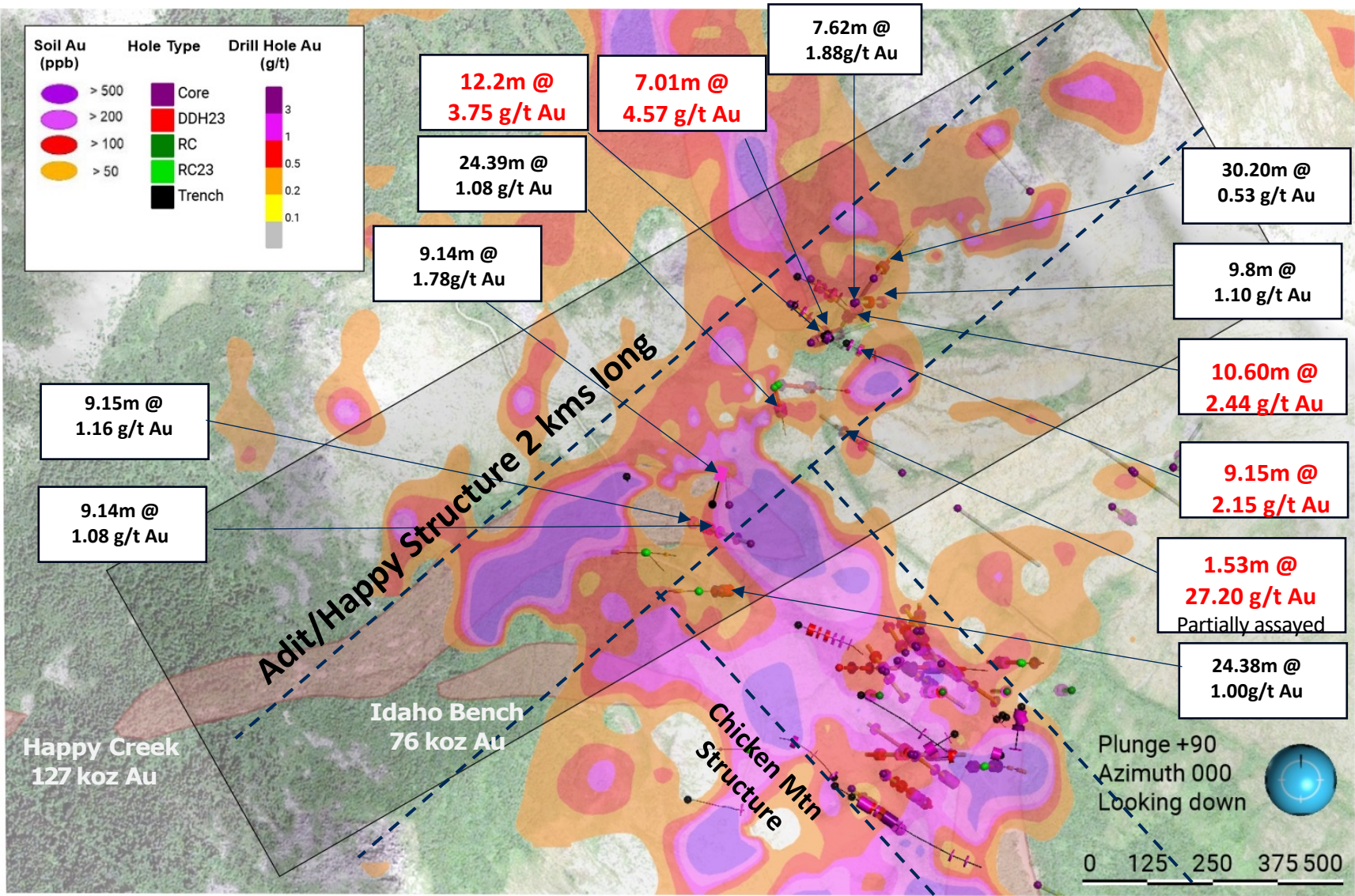
+1 KMS OF HIGH TENOR GOLD IN SOILS + HISTORICAL DRILLING AND TRENCHING





# DRILL TARGET AREA: 2 KM LONG ADIT / HAPPY CREEK STRUCTURE

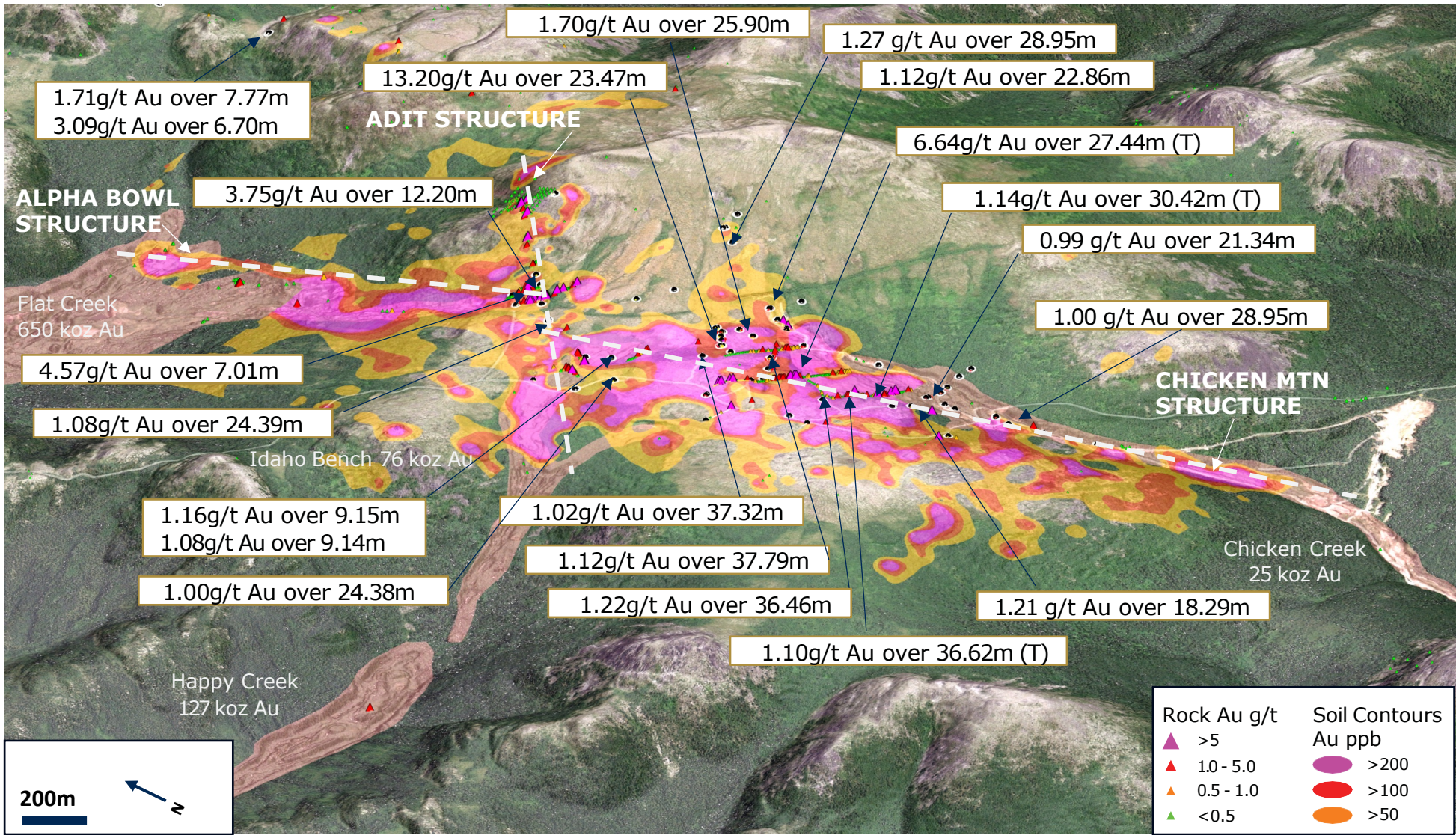
HISTORICAL DRILL HOLES AND TRENCHES HIGHLIGHTING ONLY +1.0 G/T AU COMPOSITES



INTERSECTION OF TWO GOLD BEARING STRUCTURES RESULTING IN HIGHER GRADE GOLD FROM HISTORICAL DRILLING, TRENCHING & SOILS, FURTHER REINFORCED BY ~200,000 OZ AU IN HISTORICAL PLACER GOLD IN HAPPY CREEK DRAINAGE



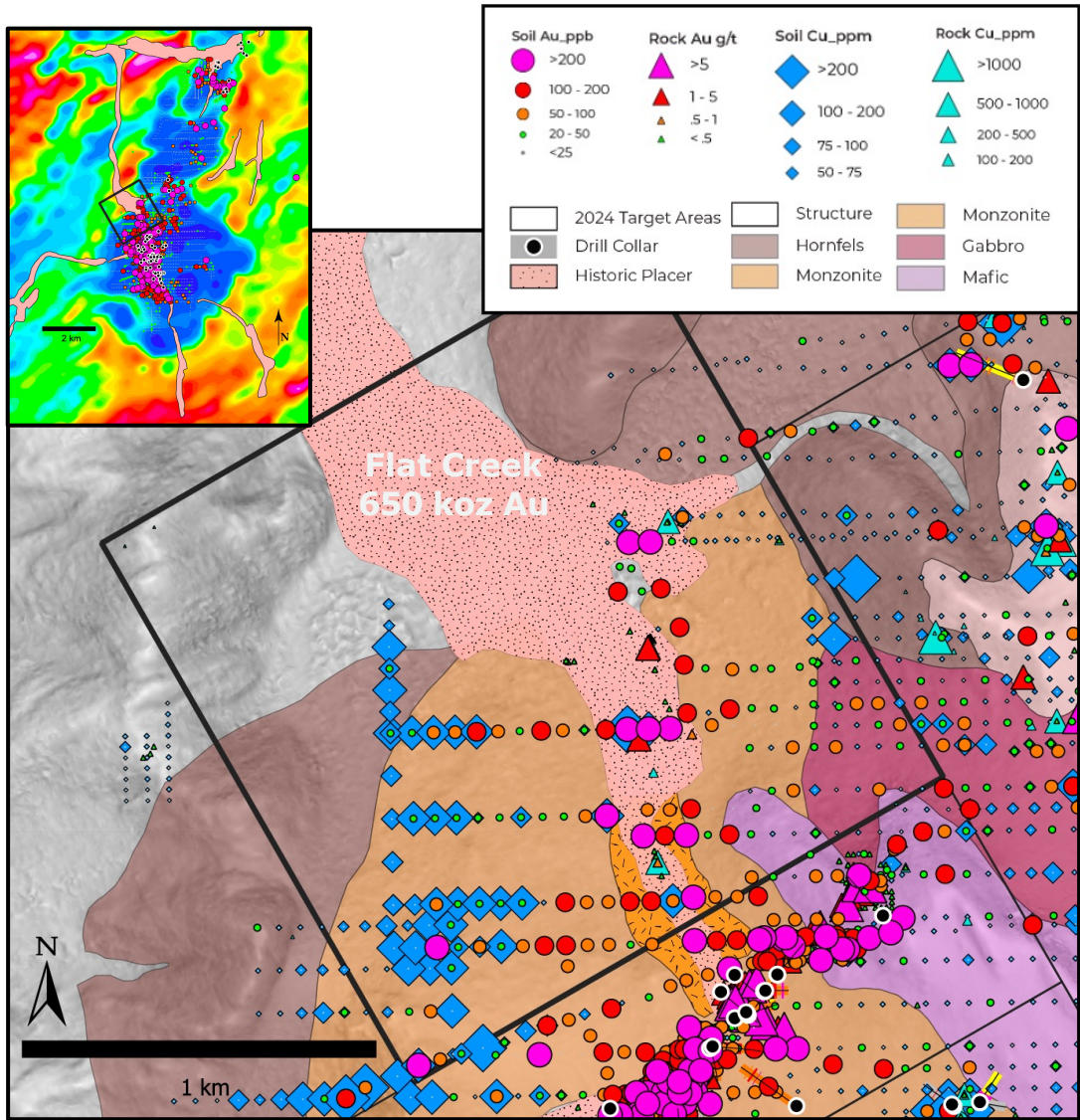
# 2024 DRILL TARGET AREAS - ADIT/HAPPY, CHICKEN MOUNTAIN & ALPHA BOWL





# DRILL TARGET AREA: ALPHA BOWL

MOST PROLIFIC PLACER PRODUCING CREEK WITH 650,000 OZ OF RECORDED PLACER GOLD



## Proposed Exploration Methodology

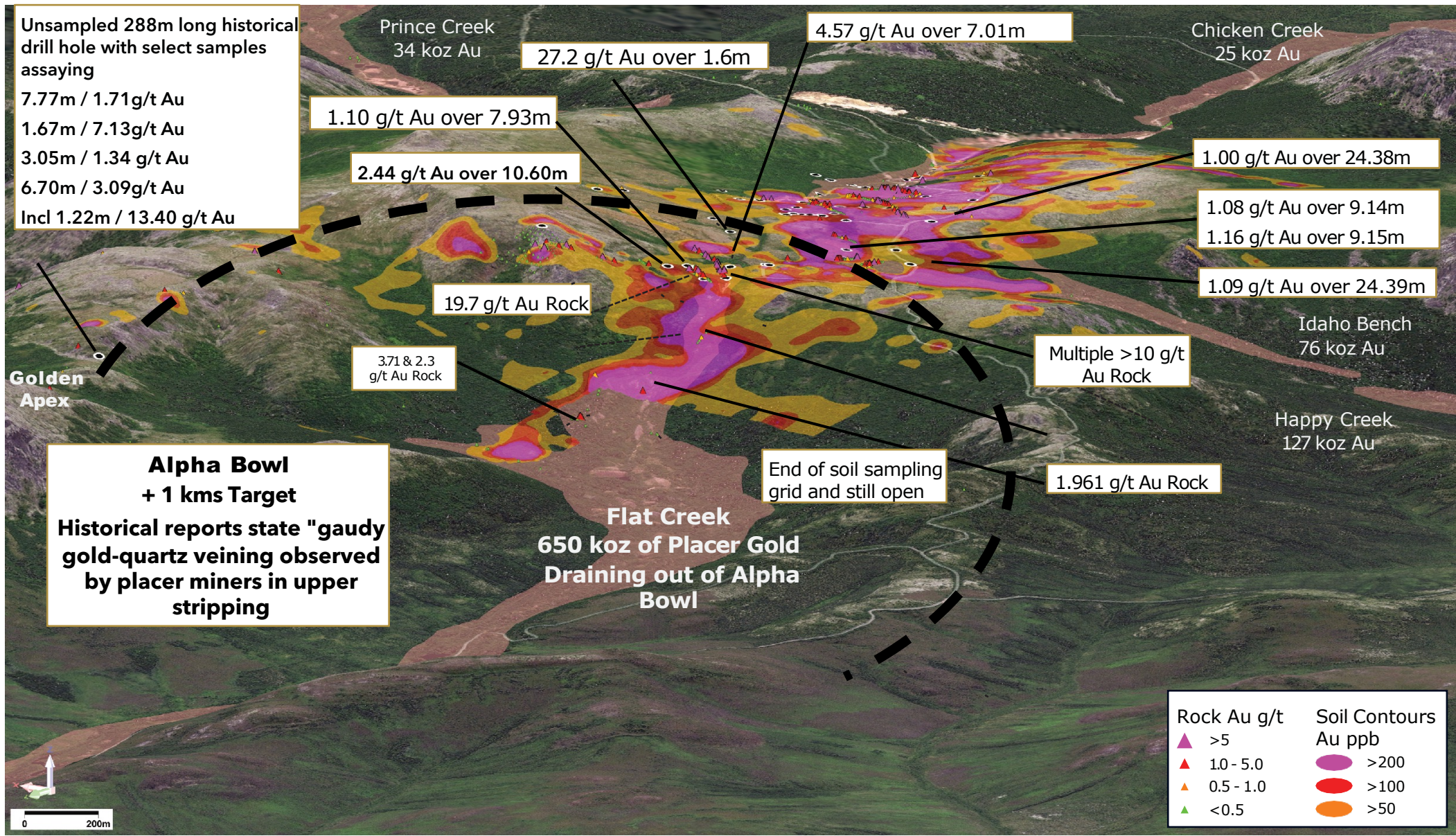
	Geophysicals		Mapping/ Prospecting	Soil Sampling	Trenching	RC Drilling	Diamond Drilling
Alpha Bowl	✓		✓			✓	✓

- Northern Extension of Chicken Mountain Intrusion
- Area of extensive historic placer workings
- Historic bedrock sampling indicates mineralized intrusion beneath placer spoils
- Gold in soil anomalies adjacent to disturbed areas
- Untested by drilling
- Mapping and sampling to define northern extent of intrusion
- RC fences across targeted mineralized corridors
- Follow-up diamond drilling if warranted



# DRILL TARGET: ALPHA BOWL >1KM<sup>2</sup> IN SIZE, UNTESTED

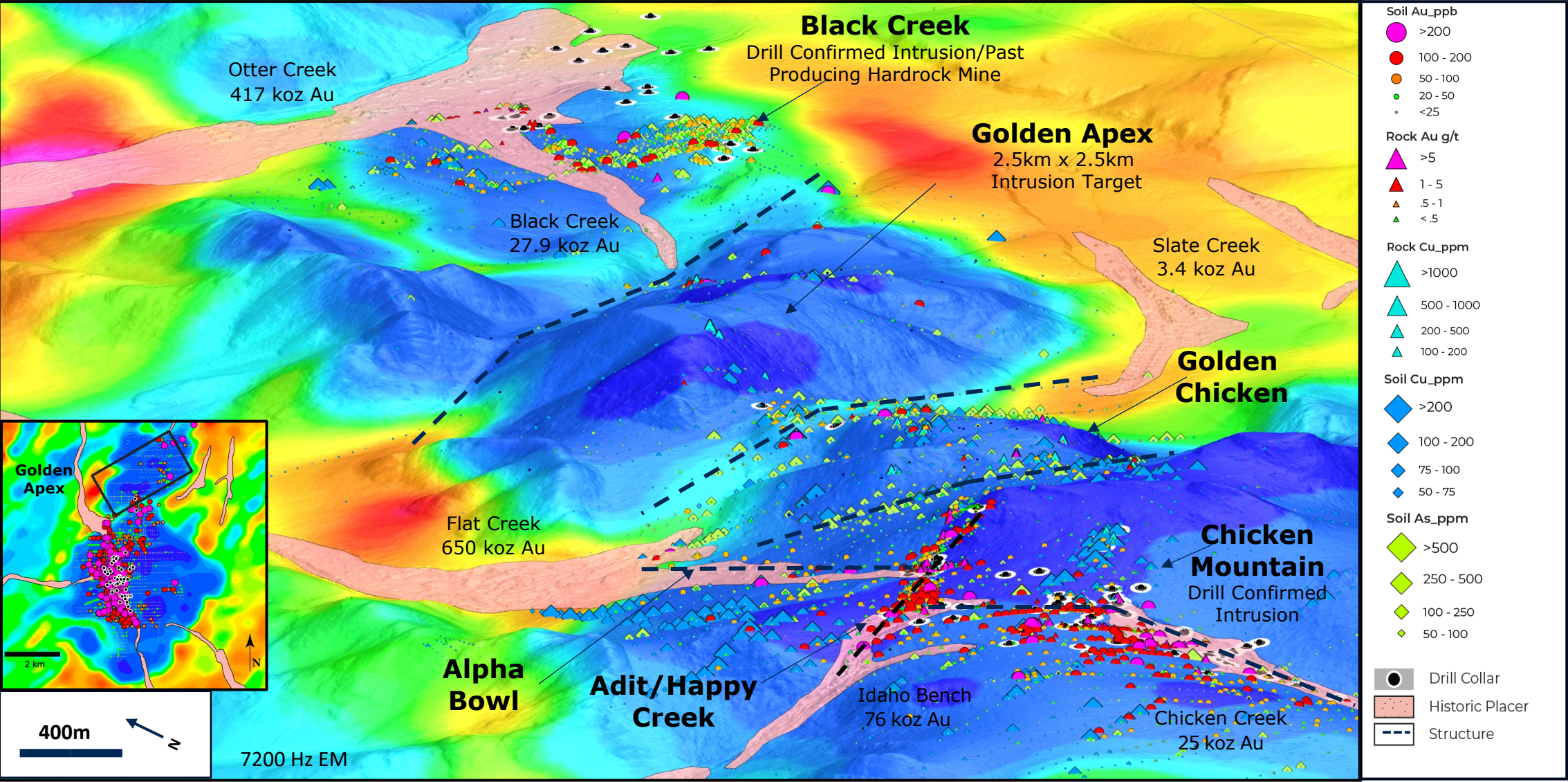
PROLIFIC PLACER PRODUCING CREEK, HIGH TENOR GOLD IN ROCK/SOIL ANOMALIES, HISTORICAL DRILLING RIDGETOP





# DRILL TARGET AREAS: POTENTIAL INTACT INTRUSIONS

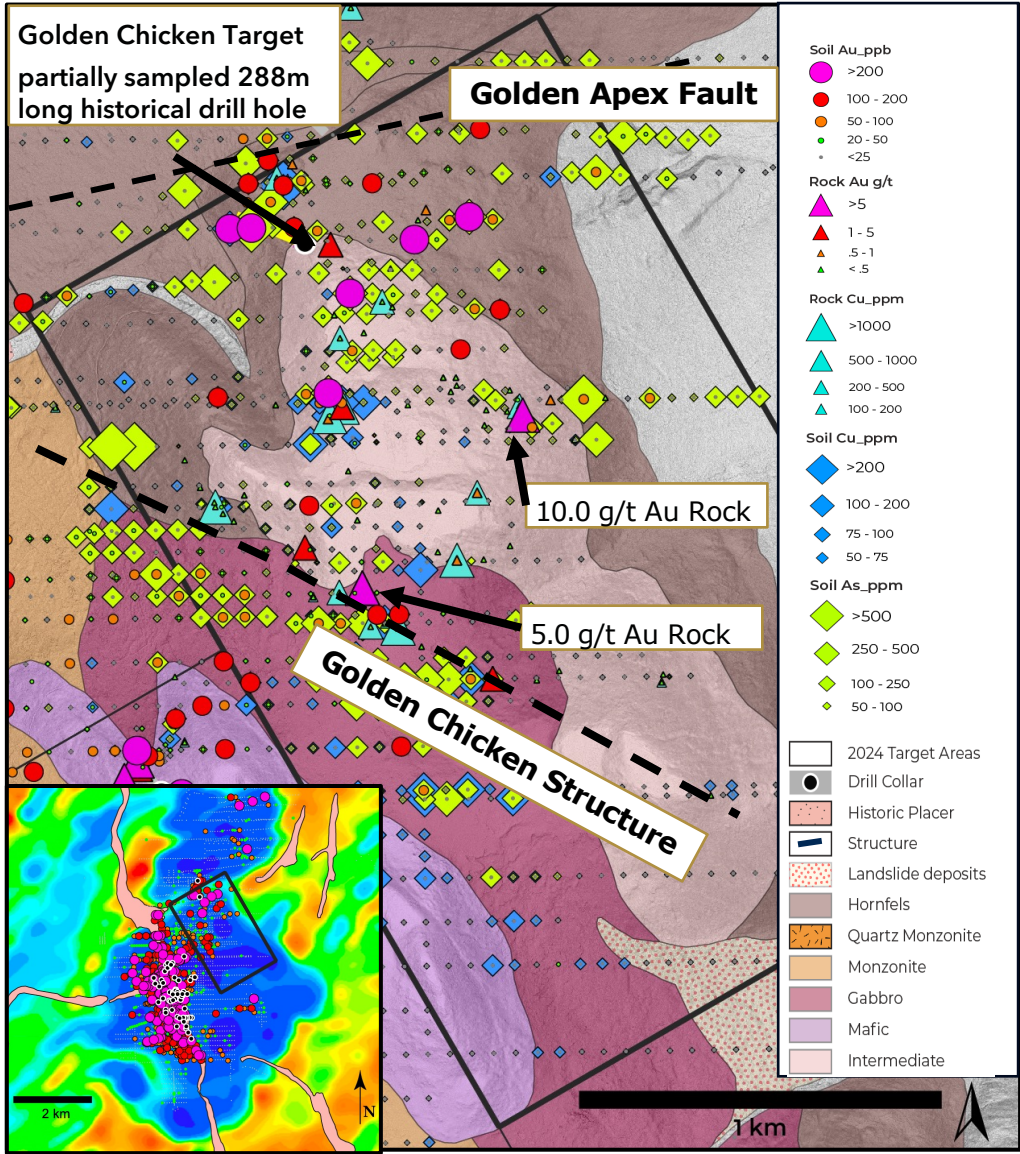
## GEOPHYSICS WORKS IN IDENTIFYING INTRUSION COMPLEXES





# DRILL TARGET: GOLDEN CHICKEN – NEWLY IDENTIFIED STRUCTURE

WITH COINCIDENT AS-AU-CU IN SOIL AND ROCK



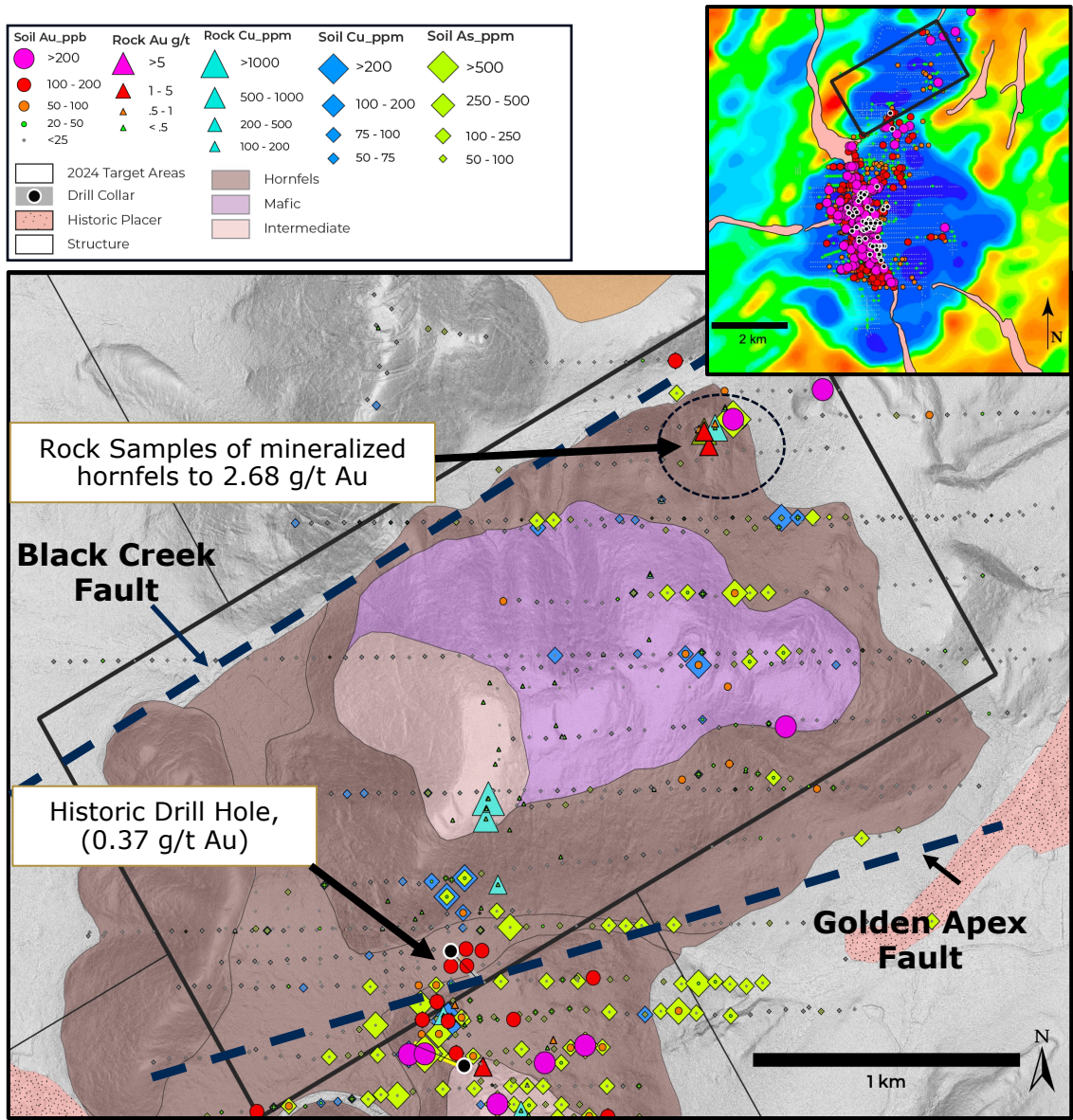
## Proposed Exploration Methodology

	Geophysics	Mapping/ Prospecting	Soil Sampling	Trenching	RC Drilling	Diamond Drilling
Golden Chicken	✓	✓			✓	✓

- Located at the area northeast of Chicken Mountain – only one drill hole to date on the entire eastside of Chicken Mountain
- Coincident As-Au-Cu in soil and rock anomalies occur over all rock units
- New Golden Chicken Structure identified
  - i. Associated with the most coherent and largest arsenic anomaly at Chicken Mountain
  - ii. As-Au-Cu in soils and rocks
  - iii. Situated at the contact between gabbro, hornfels and volcanic rocks
- A newly uncovered and relogged historical diamond drill hole contains gold in hornfels, volcanics and gabbro, an intrusive rock highlighting potential intrusion
  - i. RIRGS model stipulates hornfels is the cap rock to an intact intrusion
  - ii. Drill hole not fully assayed even though select assaying returned 7.77m @ 1.71 g/t Au, incl. 1.67m @ 7.13 g/t Au, and 3.05m @ 1.34 g/t Au and 6.70m @ 3.09 g/t Au, incl. 1.22m at 13.40 g/t Au
  - iii. Tectonic now assaying remaining 143.83 m of historical drill core
- Targeted RC holes to test Golden Chicken Structure and for underlying intrusion-hosted mineralization



# DRILL TARGET: GOLDEN APEX - POTENTIAL INTACT INTRUSION



## Proposed Exploration Methodology

	Geophysics	Mapping/ Prospecting	Soil Sampling	Trenching	RC Drilling	Diamond Drilling
Golden Apex	✓	✓			✓	✓

### Data Driven Evidence

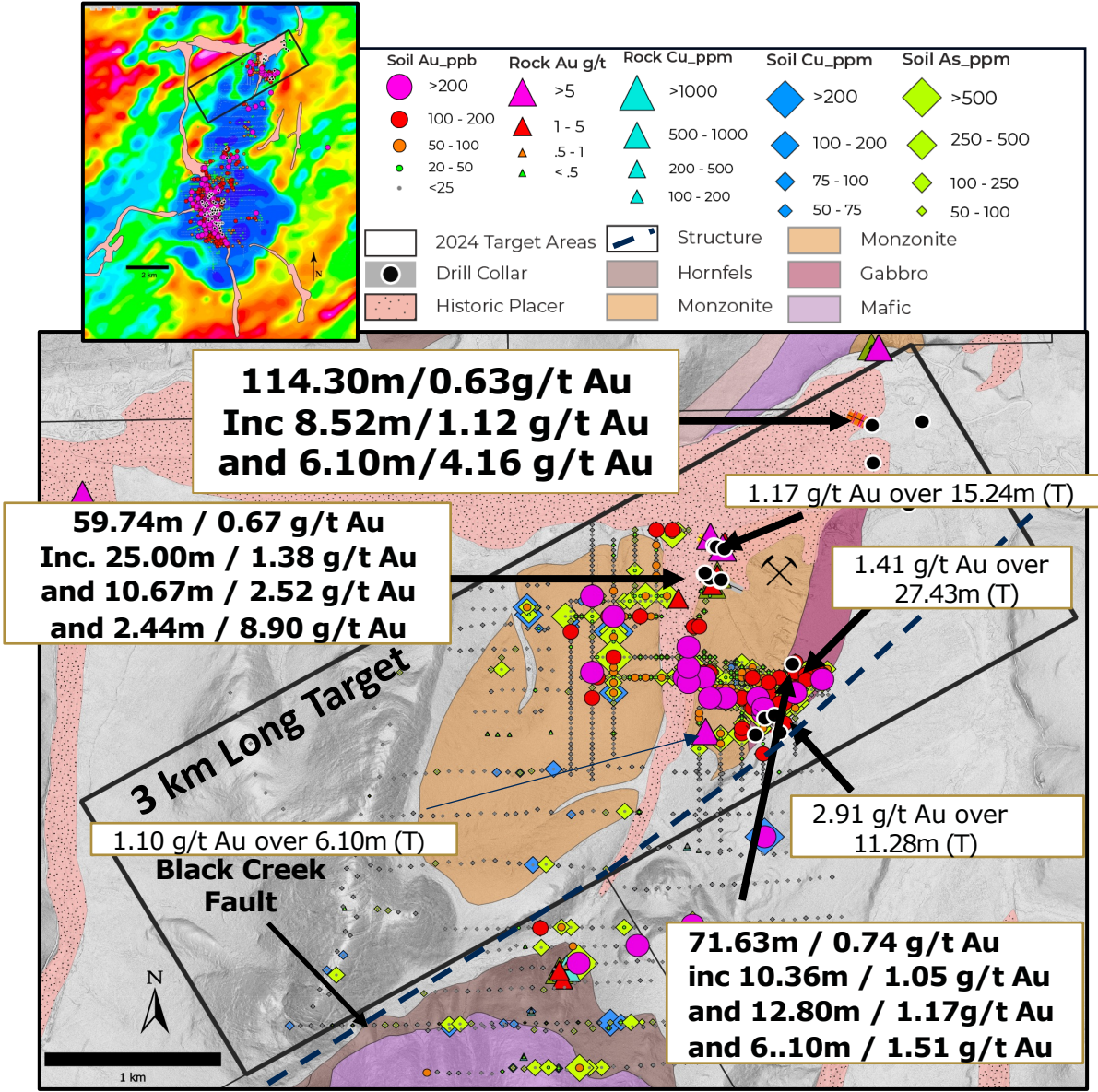
- 2.5 x 2.5 km geophysical anomaly
- Historical placer production (417 koz Au, Otter Creek)
- Recently uncovered historical diamond drill hole only partially assayed with 0.37 g/t Au; grab samples with 2.68 g/t Au

### Favorable Geology

- Adjacent structures (Black Creek Fault and Golden Apex Fault)
- Mapped hornfels suggesting intrusion caprock



# DRILL TARGET: BLACK CREEK - CONFIRMED DRILLED INTRUSION



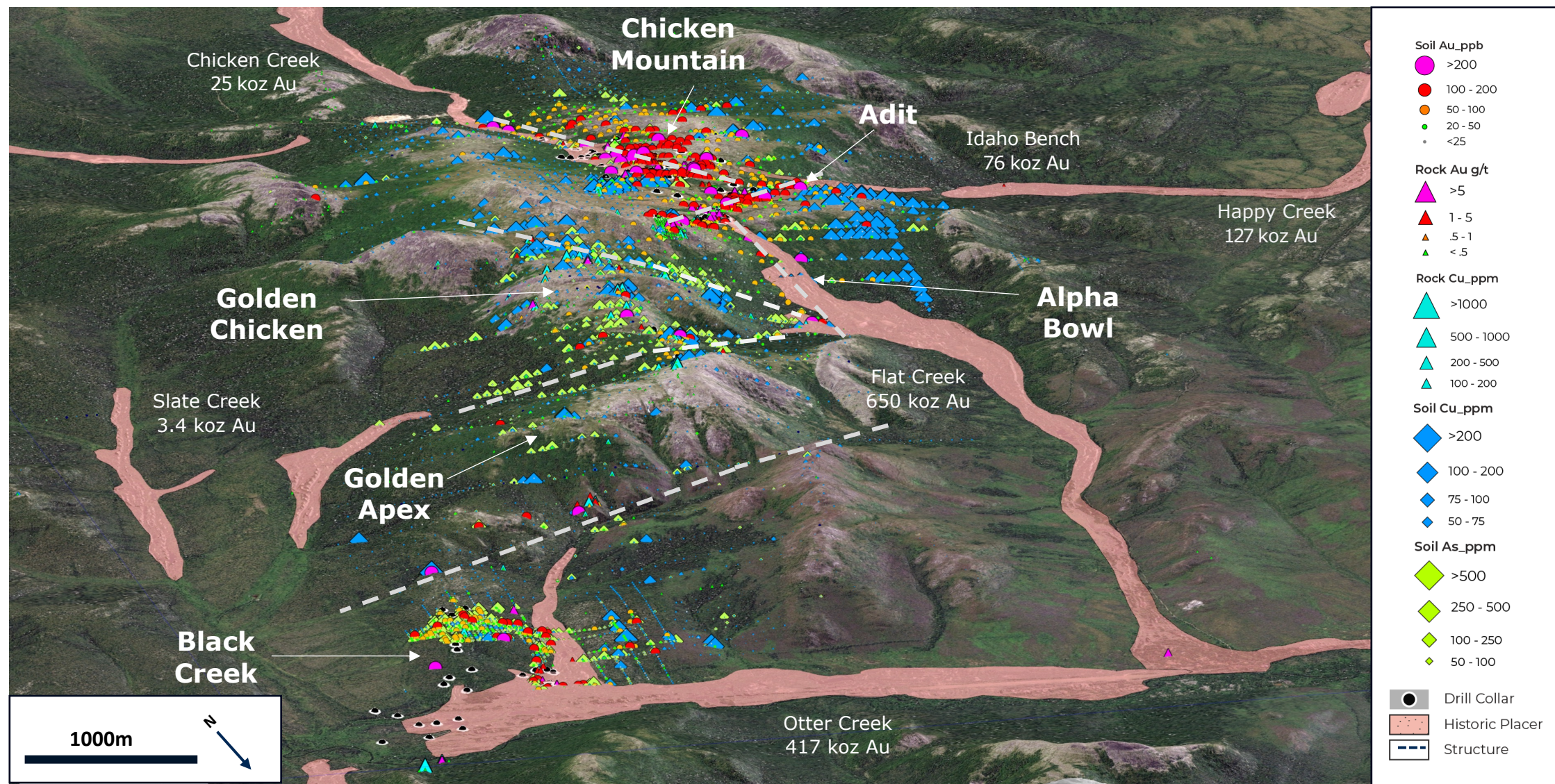
## Proposed Exploration Methodology

	Geophysics	Mapping/ Prospecting	Soil Sampling	Trenching	RC Drilling	Diamond Drilling
Black Creek	✓	✓				

- Target area covers Black Creek Stock
- Host to past producing, hard rock mine (1922-1937): ~ 2,707 oz @ 12 g/t Au, 2,620 oz @ 2,571 oz g/t Ag, 9,337 lbs. of lead and 518 lbs. of zinc (not on Tectonic land)
- Underlain by intrusive rocks (monzonite/gabbro) and hornfelsed sediments adjacent to intrusion
- Extensive gold in soil anomalies over all rock types
- Historic trenching and drilling identified gold in hornfels, sediments and gabbro (intrusive rock type) along eastern margin of intrusion
- Historic trenching and drilling within monzonite indicates intrusion hosted mineralization similar to Chicken Mountain
- Mapping and sampling to identify drilling targets in future



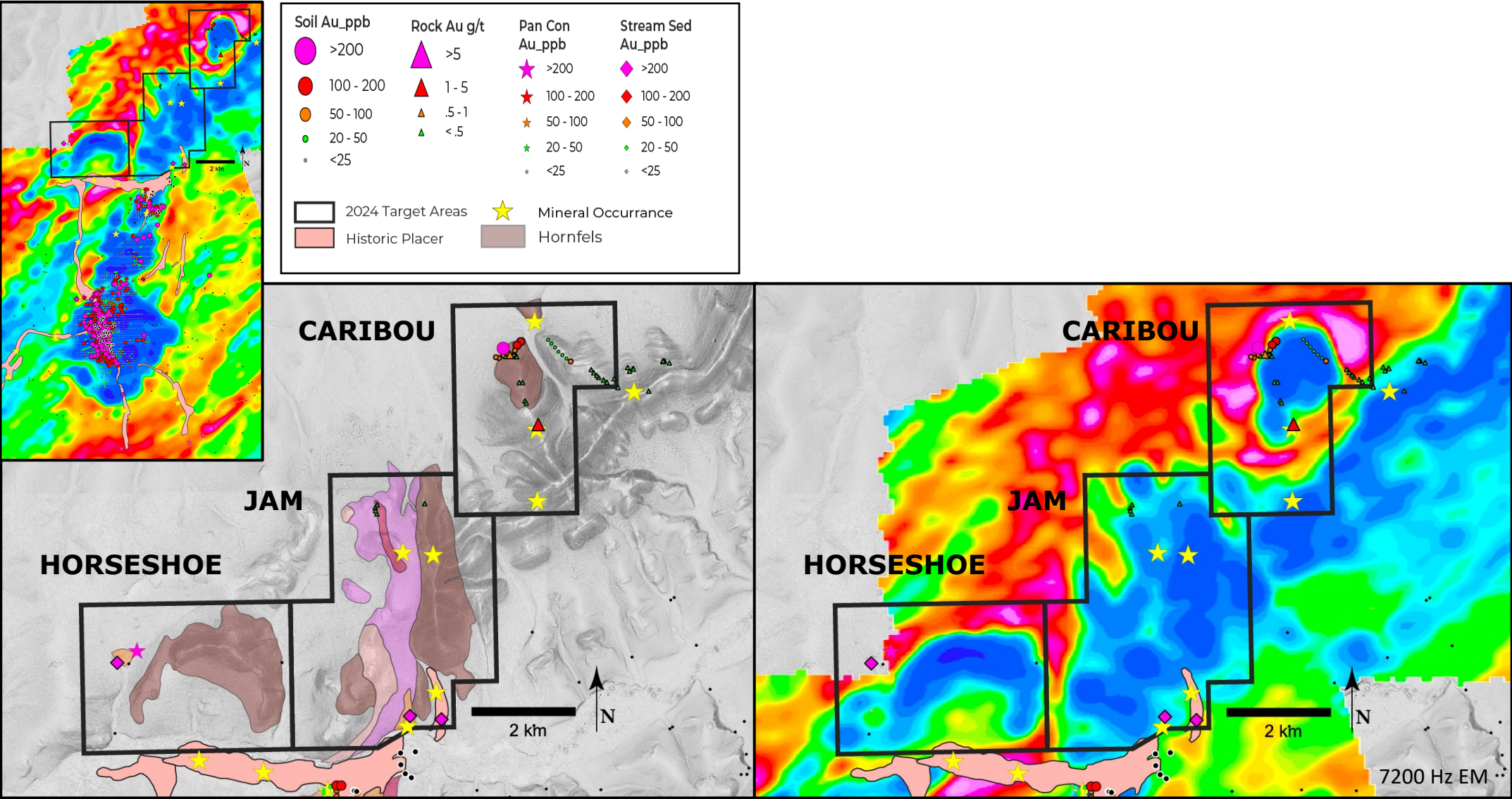
# SOUTHWEST LOOKING VIEW OF THE FLAT PROJECT TARGETS





UNDRILLED DISTRICT-SCALE INTRUSION TARGETS: HORSESHOE, JAM, CARIBOU

TECTONIC  
METALS INC.



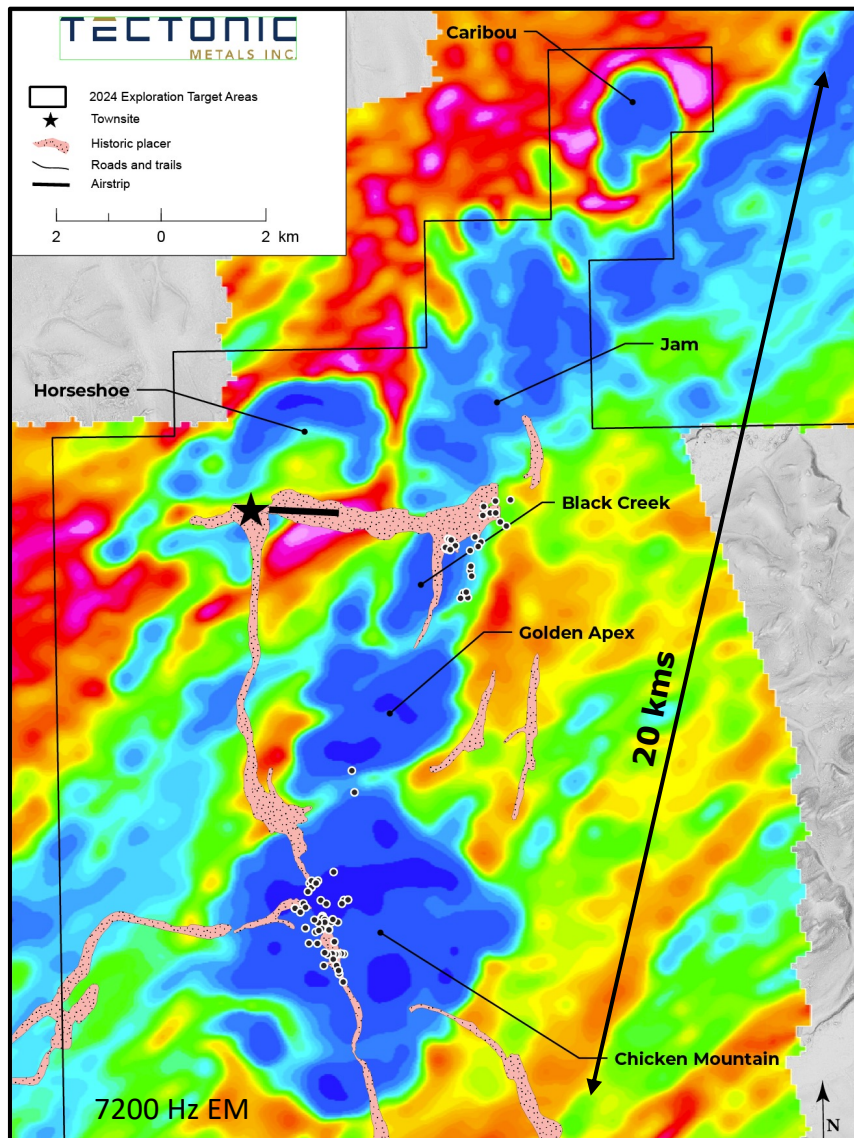


# CAPITAL STRUCTURE AND PERFORMANCE

AS OF APRIL 2024

Shares Outstanding	330,700,924
Supportive Shareholders	<div><div>~47%</div><div><ul style="list-style-type: none"><li>• 9.9% Doyon Limited</li><li>• 22.3% Crescat Capital</li><li>• 15.0% Tectonic and others</li></ul></div></div>
Est. Liquid Public Float	~175,000,000
Avg. Daily Volume	~1.0 million
Fully Diluted	439,448,420
Estimated Cash	~CA\$2 million
Debt	None





## A Team that Executes

- Numerous discoveries
- Experience taking projects from discovery through permitting into production
- M&A and capital markets experience
- Disciplined economic mine formula

## The Flat Gold Project

- 1.4 million oz placer gold source
- 20 km long intrusive complex with 6 district-scale intrusion targets
- 1.8 km of drilled mineralized strike x 300 m depth
- All 74 drill holes hit gold

## 2024 Value Creation Strategy

- Unsampled historical drill core assaying
- Metallurgical column heap leach testing
- High impact year two drill program targeting new intrusions and high-grade areas





**TECTONIC**  
METALS INC.

**Website**

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**Email**

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1.888.685.8558

**TECT: TSX-V**

**TETOF: OTCQB**

**T15B: FSE**





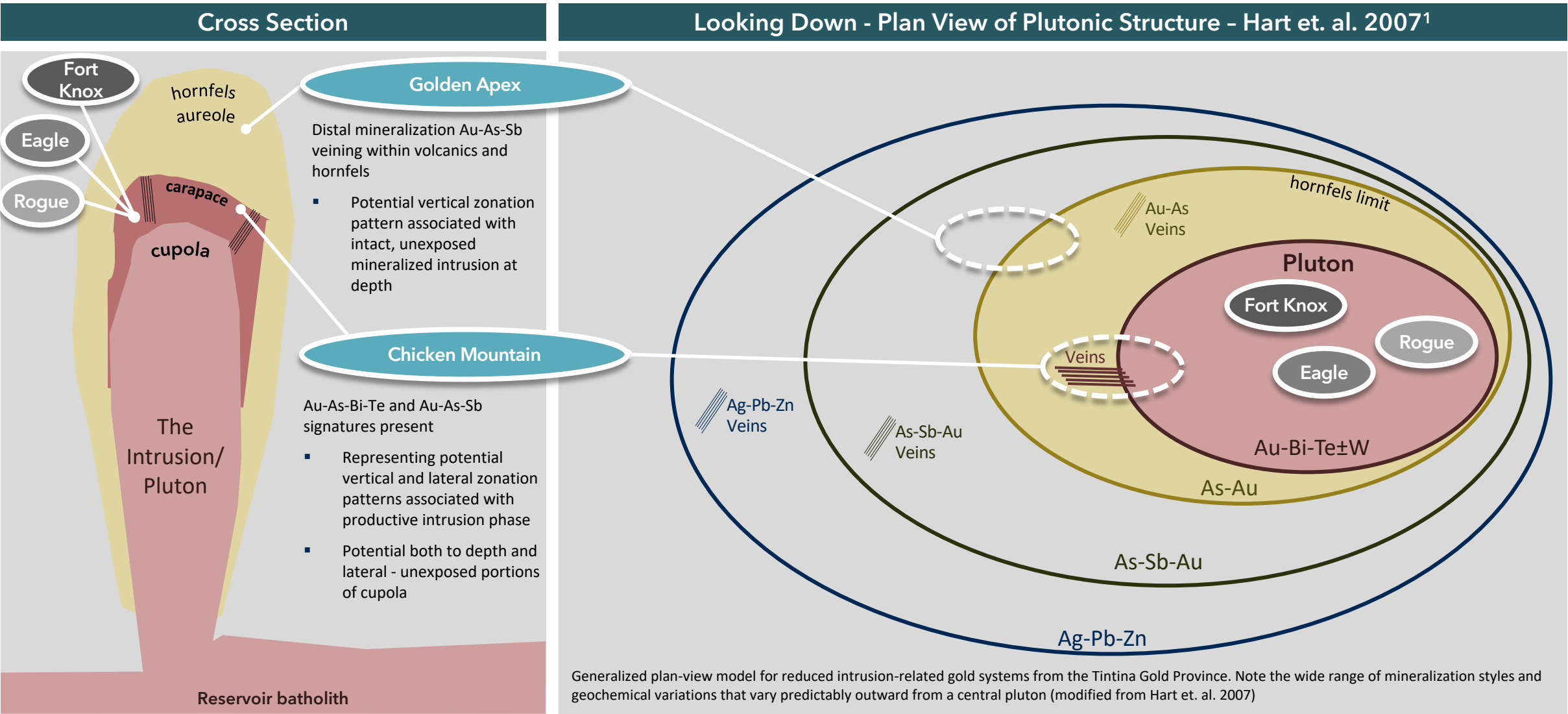
**TECTONIC**  
METALS INC.

**APPENDIX**



# REDUCED INTRUSION-RELATED GOLD SYSTEMS

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

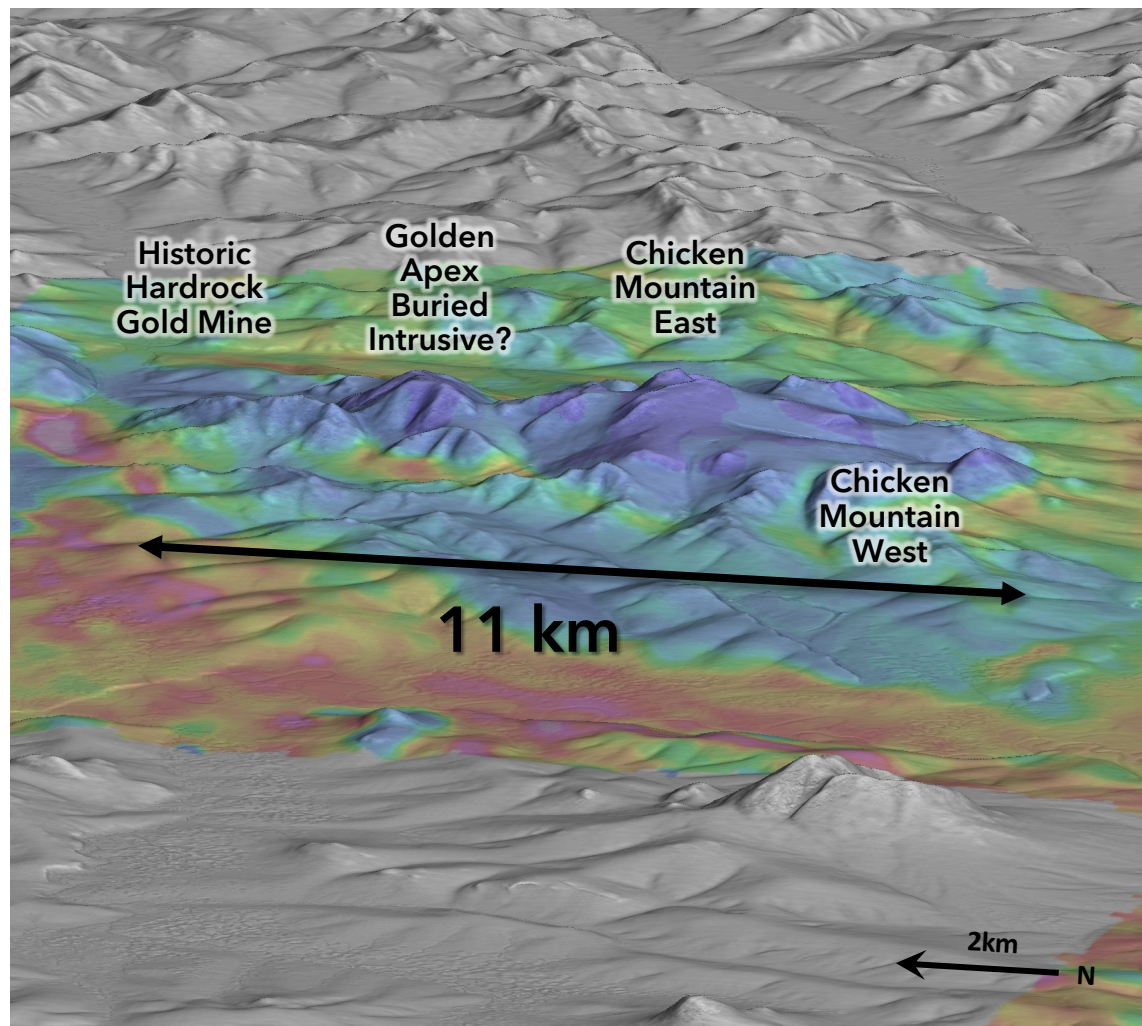




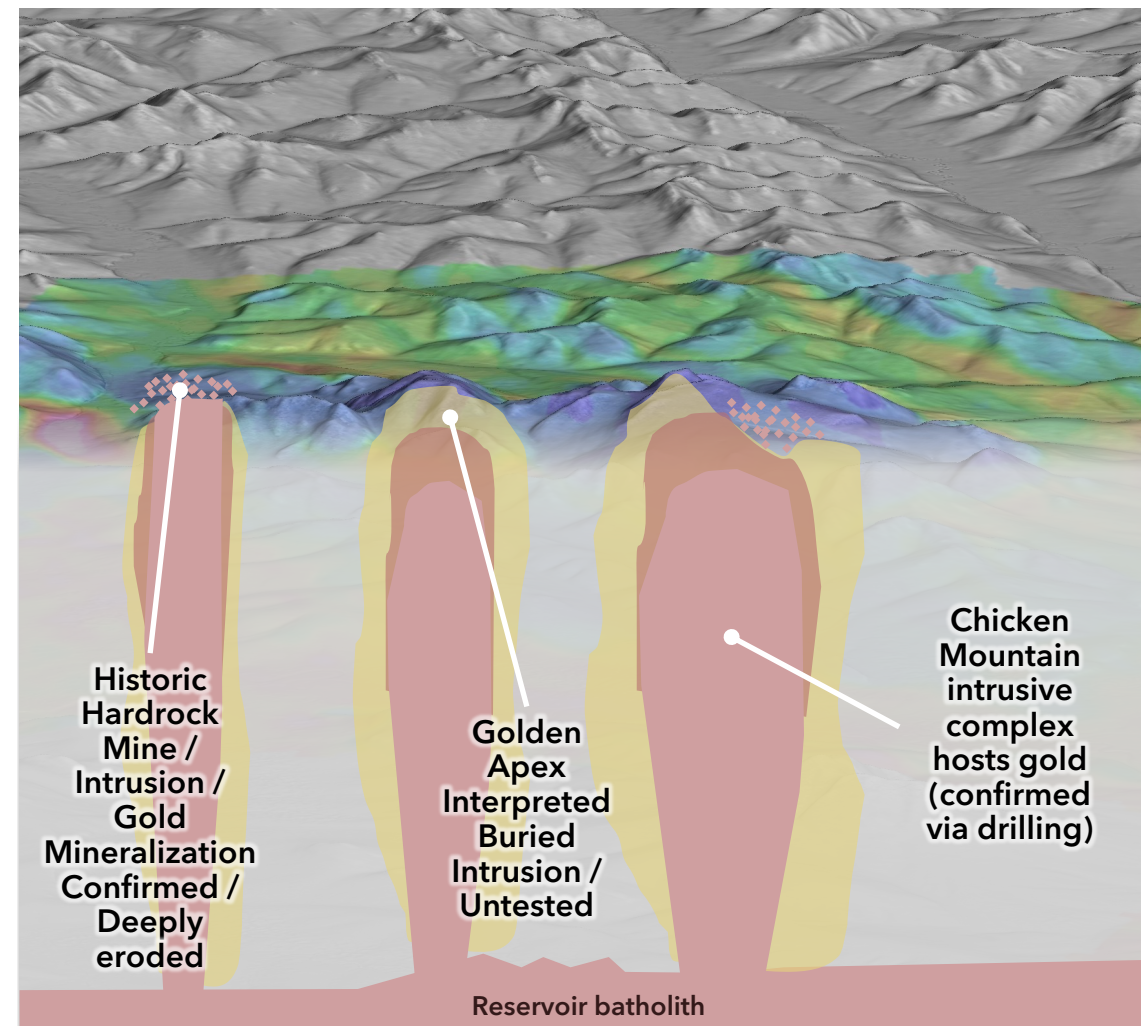
# GEOPHYSICS DEMONSTRATE A +11KM LONG INTRUSIVE COMPLEX

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

Oblique View Looking East - Geophysics - 7200 Hz EM



Simplified Cross Section of Intrusion Related Systems





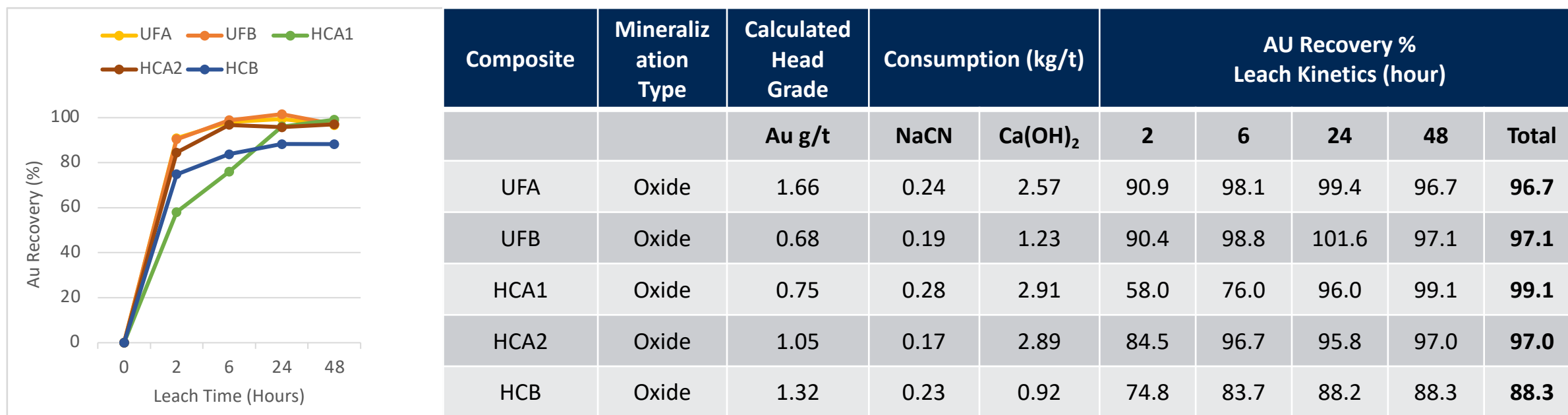
# 2022 DE-RISKING PRIOR TO 2023 DRILL PROGRAM

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

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

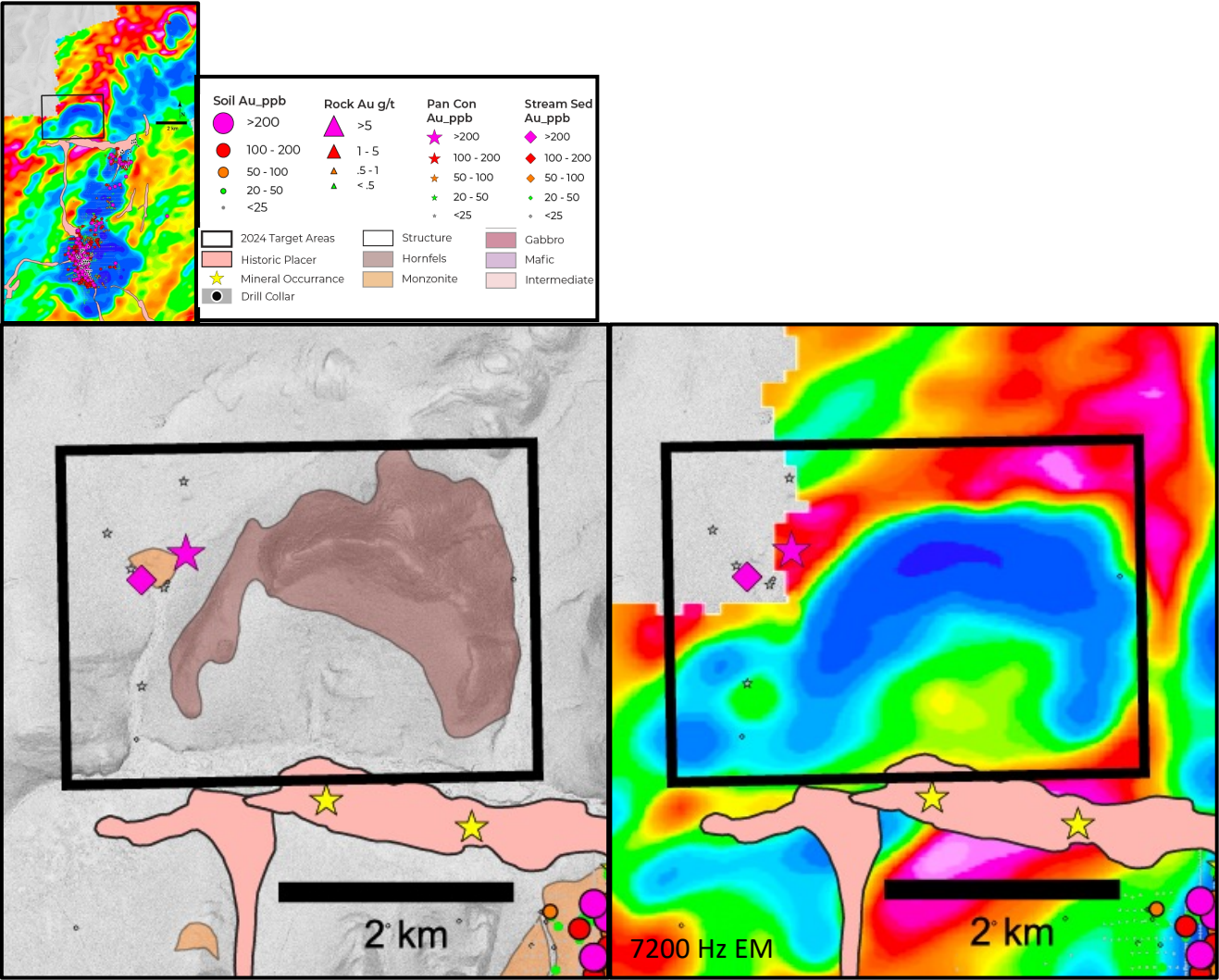
## Validates potential for heap leach processing

48 Hour Leach Kinetics K80 75µm Grind





# POTENTIAL DRILL TARGET: HORSESHOE



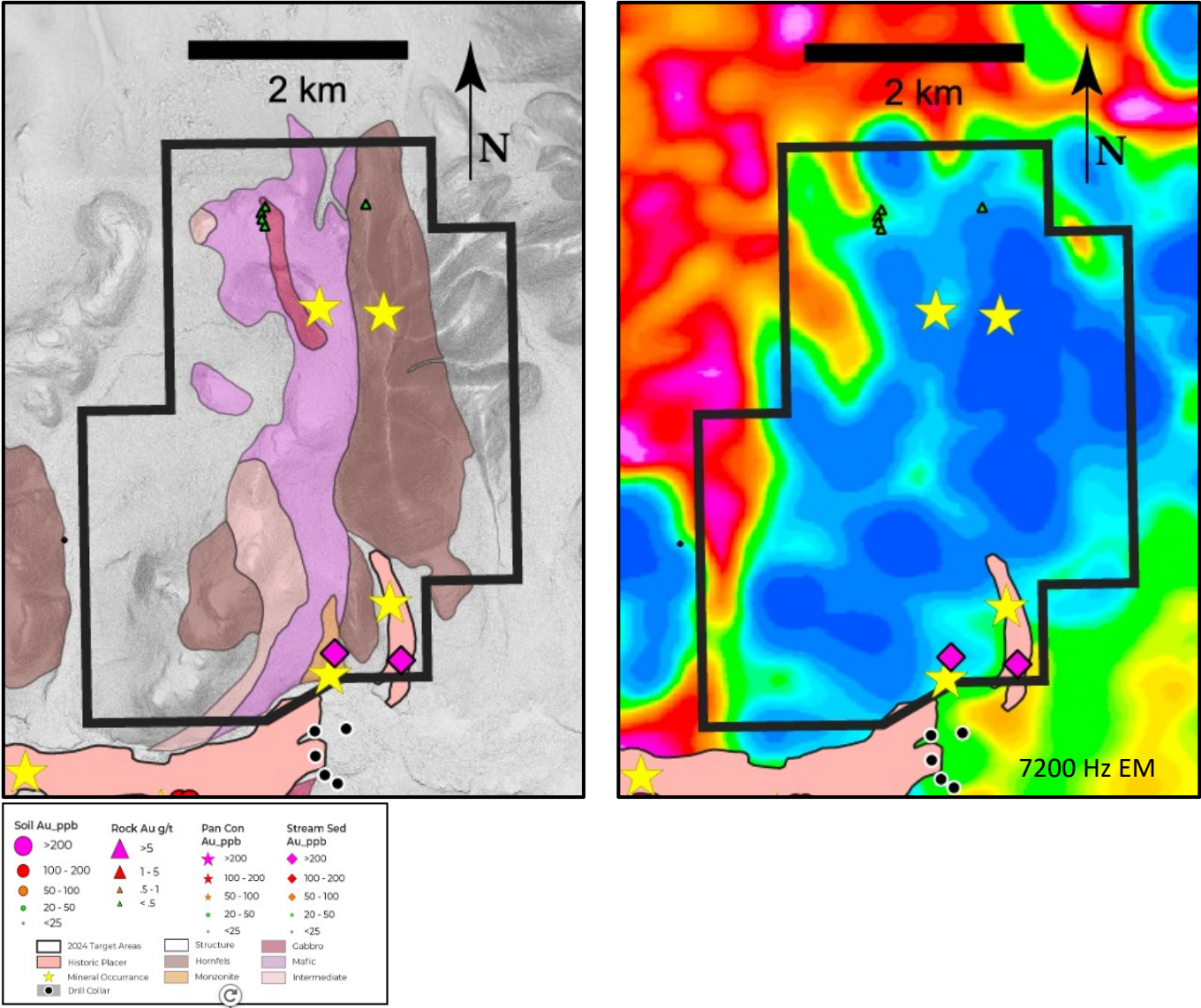
## Proposed Exploration Methodology

	Geophysics	Mapping/ Prospecting	Soil Sampling	Trenching	RC Drilling	Diamond Drilling
Horseshoe	✓	✓	✓			

- Target area covers area of hornfelsed sediments north of Otter Creek and west of Jam
- Underlain by sediments, hornfels (also mapped as silicified sediments) - small monzonite intrusion in historic mapping west of hornfels
- Hornfels area has appearance of truncated caldera
- EM resistivity low
- Virtually no historic work - highly anomalous stream sediment samples on west side indicate gold draining from area
- Mapping/prospecting and soil sampling program



# POTENTIAL DRILL TARGET: JAM



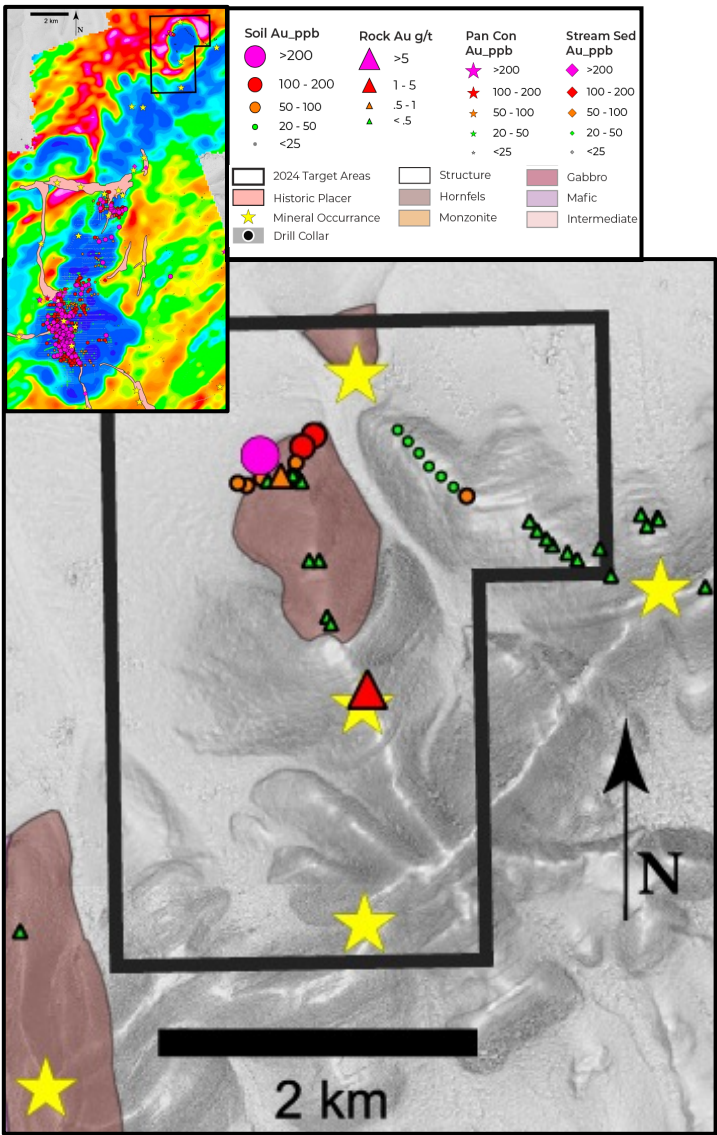
## Proposed Exploration Methodology

	Geophysics	Mapping/ Prospecting	Soil Sampling	Trenching	RC Drilling	Diamond Drilling
Horseshoe	✓	✓	✓			

- Target area covers the extension of Black Creek stock/hornfels north of Otter Creek
- Underlain by sediments, hornfels, volcanic rock and gabbro/monzonite intrusions
- Limited historic exploration work indicates mineralized hornfels, volcanics associated with intrusions
- Mapping/prospecting and soil sampling program



# POTENTIAL DRILL TARGET: CARIBOU



## Proposed Exploration Methodology

	Geophysics	Mapping/ Prospecting	Soil Sampling	Trenching	RC Drilling	Diamond Drilling
Horseshoe	✓	✓	✓			

- Target area covers northern most occurrence of hornfelsed sediments, north of Jam
- Underlain by sediments and hornfels
- Prominent circular resistivity anomaly
- Very limited historic work indicates presence of anomalous gold within hornfels associated with felsic dykes
- Mapping/prospecting and soil sampling program

