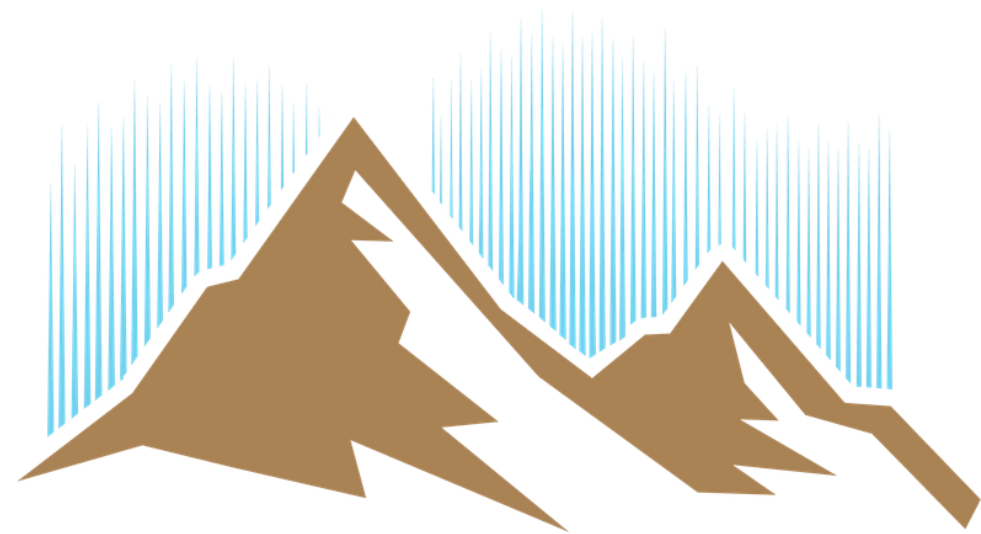




NORTHERN LIGHTS

RESOURCES CORP

Exploring Copper and High-Grade Gold at
**HORETZKY, PUP AND
SECRET PASS**

September 2026 CSE:NLR, OTC:NLRCF, FSE:OZH0

*Peak of Mount
Horetzky*



Advancing Properties of Merit in Top Mining Jurisdictions

Forward Looking Statements

Certain statements in this presentation are forward-looking statements. Forward-looking statements consist of statements that are not purely historical, including any statements regarding beliefs, plans, expectations or intentions regarding the future. Often, but not always, forward-looking statements can be identified by the use of words such as “plans”, “expects”, “budget”, “scheduled”, “estimates”, “forecasts”, “intends”, “anticipates”, or “believes” or variations (including negative and grammatical variations) of such words and phrases or statements that certain actions, events or results “may”, “could”, “would”, “should”, “might” or “will” be taken, occur or be achieved. Forward-looking statements may include, but are not limited to, statements with respect to the future financial or operating performance of the Company and its mineral projects, the estimation of mineral resources, the timing and amount of estimated future production and capital, operating and exploration expenditures. Such forward-looking statements involve known and unknown risks, uncertainties and other factors, which may cause Northern Lights Resources Corp. (“Northern Lights” or the “Company”) actual results, performance or achievements, or industry results, to be materially different from any future results, performance or achievements expressed or implied by such forward-looking statements. No assurance can be given that any of the events anticipated by the forward-looking statements will occur or, if they do occur, what benefits the Company will obtain from them. Forward-looking statements reflect management's current views and are based on certain expectations, estimates and assumptions which may prove to be incorrect.

A number of risks and uncertainties could cause actual results to differ materially from those expressed or implied by forward-looking statements, including, but not limited to: global economic conditions; mineral price fluctuations; the Company will require significant amounts of additional capital in the future; competition for properties and experienced employees; minerals industry competition and international trade restrictions; possible loss of interests in exploration and development properties; mining and mineral exploration is inherently dangerous and subject to factors beyond the Company’s control; the Company’s mineral resources are estimates; the nature of exploration and development projects; environmental regulatory requirements and risks; currency fluctuations; government regulation and policy risks; the Company has no history of mining operations; property title rights; dependence on key personnel and qualified and experienced employees; delineation of mineral reserves and additional mineral resources; insurance coverage; dilution from further equity financing and outstanding stock options and warrants; the market price of the Company’s shares; the Company has never paid dividends and may not do so in the foreseeable future; litigation and other legal proceedings; technical innovation and obsolescence; disclosure and internal controls; and conflicts of interest.

Forward-looking statements are made as of the date of this presentation and, except as required by applicable securities laws, the Company assumes no obligation to update these forward-looking statements, or to update the reasons why actual results differed from those projected in the forward-looking statements. Additional information about these and other assumptions, risks and uncertainties are set out in the “Risks and Uncertainties” section in the Company's MD&A filed with Canadian security regulators.

Qualified Person

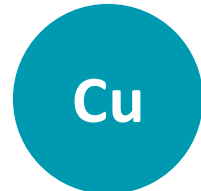
The qualified person for any technical information in this presentation is Mr. Steven McMullan, Geological Advisor for Northern Lights and a qualified person under NI 43-101.

This presentation shall not constitute an offer to sell or the solicitation of an offer to buy securities.



Three Projects. Three Tier-1 Jurisdictions.

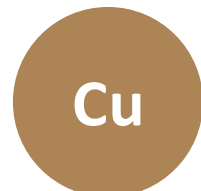
Funded copper exploration in Canada, high-grade gold optionality in Arizona



PUP

COPPER · YUKON

Permitted and funded. Inaugural RC drilling is underway, providing the first-ever direct test of the Petal and Gismo copper targets, with surface rock samples at Petal returning up to 3.799% Cu.



HORETZKY

FLAGSHIP

COPPER · BABINE PORPHYRY BELT, B.C.

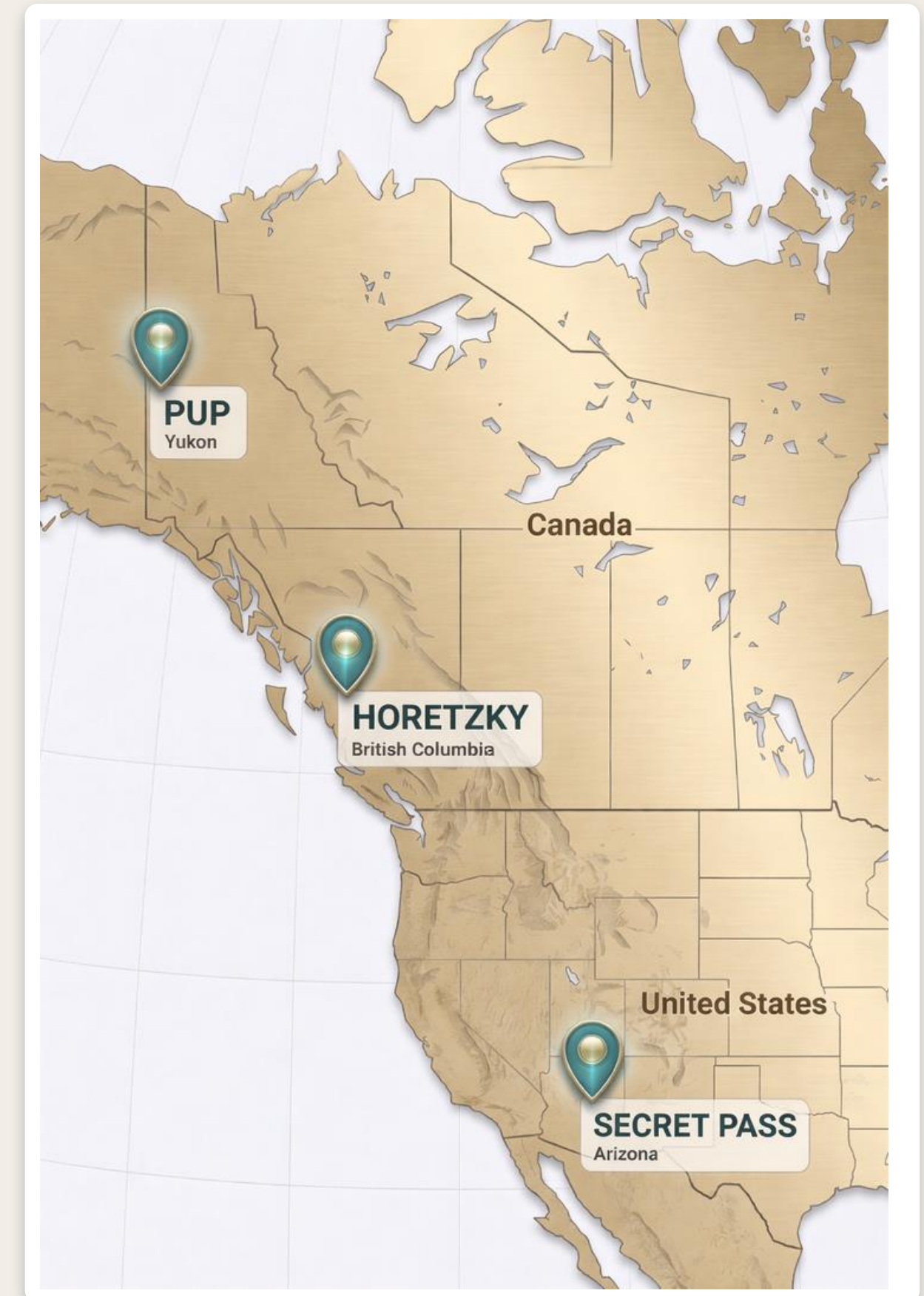
5,057-hectare porphyry copper project in an established district attracting major and junior investment. Rock samples up to 1.38% Cu. Integrated geophysics identified anomalies not tested by historical drilling.



SECRET PASS

GOLD · ARIZONA · 100% OWNED

Historic drilling up to 13.6 g/t Au over 36 m, 15 km from the reawakening Oatman gold district.



Funded Copper Exploration with Near-Term Drill Catalysts

Two underexplored Canadian copper opportunities

Horetzky: District-Scale B.C. Copper

Historical drilling encountered porphyry-style copper mineralization. The 2025 field program identified copper, gold, silver and molybdenum anomalies

Pup: Active Drill Catalyst

Inaugural drilling is underway at Petal and Gismo, with up to 10 shallow RC holes totalling ~600 metres planned

Experienced Technical Leadership

Geological advisor Steven McMullan, P.Geo., brings over 40 years of exploration experience and was a member of the Kamo a copper discovery team

Capital-Efficient Setup

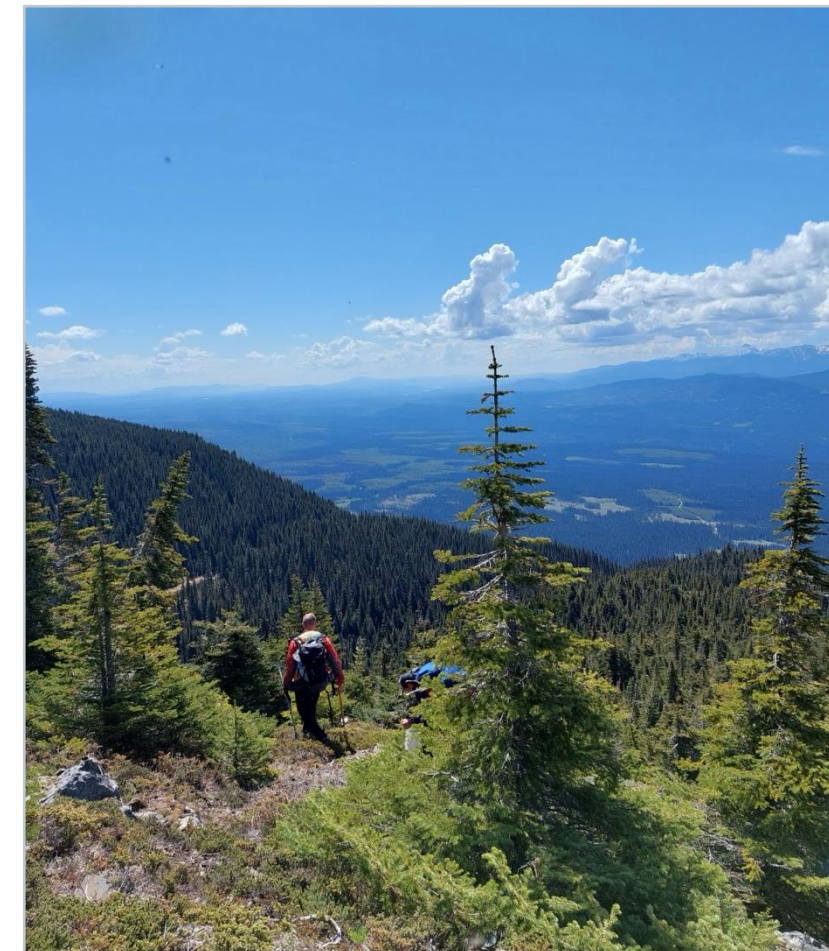
C\$10M market capitalization, ~71M shares and funded 2026 programs



Strategic Interest is Rotating Into B.C. Copper

Northern Lights offers early-stage Babine Belt exposure

- 🏔️ **Government backing:**
 - 🏔️ July 2026: The Government of Canada committed C\$500M to the Red Chris Block Cave project
- 🏔️ **Majors are validating B.C. copper exploration**
 - 🏔️ July 2026: Barrick invested C\$20.9M in Kingfisher Metals, with at least 80% directed to its B.C. HWY 37 project
 - 🏔️ South32 and Teck back American Eagle's NAK
 - 🏔️ BHP, ARM, Centerra and Teck have invested in other B.C. copper-gold juniors
- 🏔️ **Partner-funded exploration at scale**
 - 🏔️ Freeport is funding Amarc's 2026 JOY program
 - 🏔️ Boliden is funding Amarc's 2026 DUKE program
- 🏔️ Horetzky sits in the same Babine Porphyry Belt, near past producers, deposits and active strategic-backed exploration



Horetzky view towards American Eagle's NAK

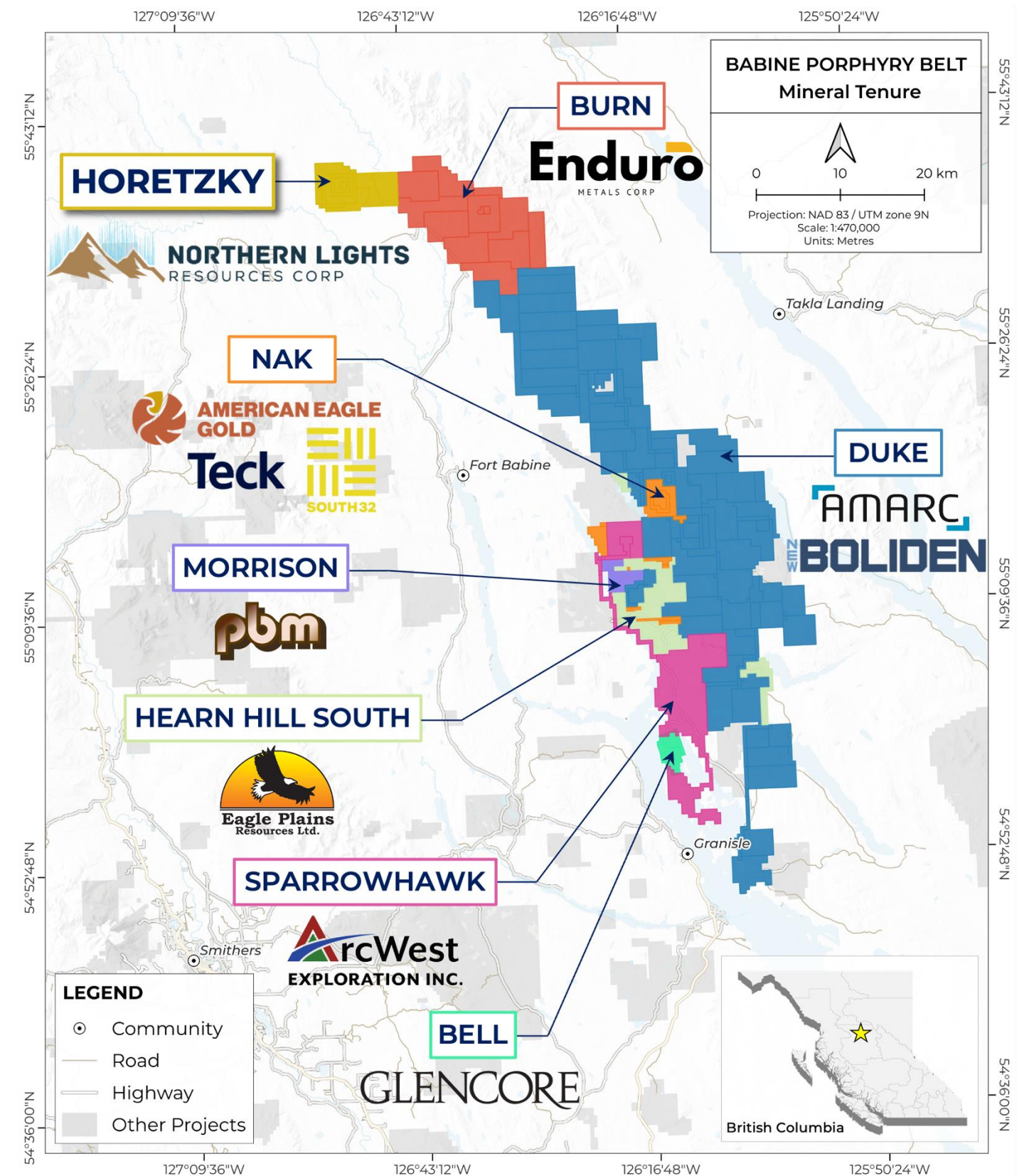


Rock sample from 2025 fieldwork

Horetzky Copper Project, B.C.

A district-scale porphyry target in the Babine Belt

- 🏔️ **5,057 hectares under a five-year MYAB exploration permit**, provisionally expiring March 31, 2030, authorizing geophysical surveys, surface trenching and sampling, and up to 100 drill holes
- 🏔️ **Established copper district:** Located in the Babine Porphyry Belt, home to the past-producing Bell and Granisle mines and exploration projects including Burn, NAK, Morrison and Duke
- 🏔️ **Surface copper anomalism:** The 2025 program returned rock samples up to **13,750 ppm Cu (1.38% Cu)** and soil samples up to **2,150 ppm Cu**, confirming a large-scale porphyry-style mineralized system
- 🏔️ **Untested exploration targets:** Modern inversion of historical IP/resistivity data identified anomalies not tested by historical drilling, strengthening the basis for future target selection
- 🏔️ The anomaly coincides with a strong magnetic signature; 3D inversion defines a multi-phase intrusive with a root extending more than 2.5 km below surface



Horetzky's position within the Babine Porphyry Belt, showing selected exploration projects and operators as of August 31, 2026.

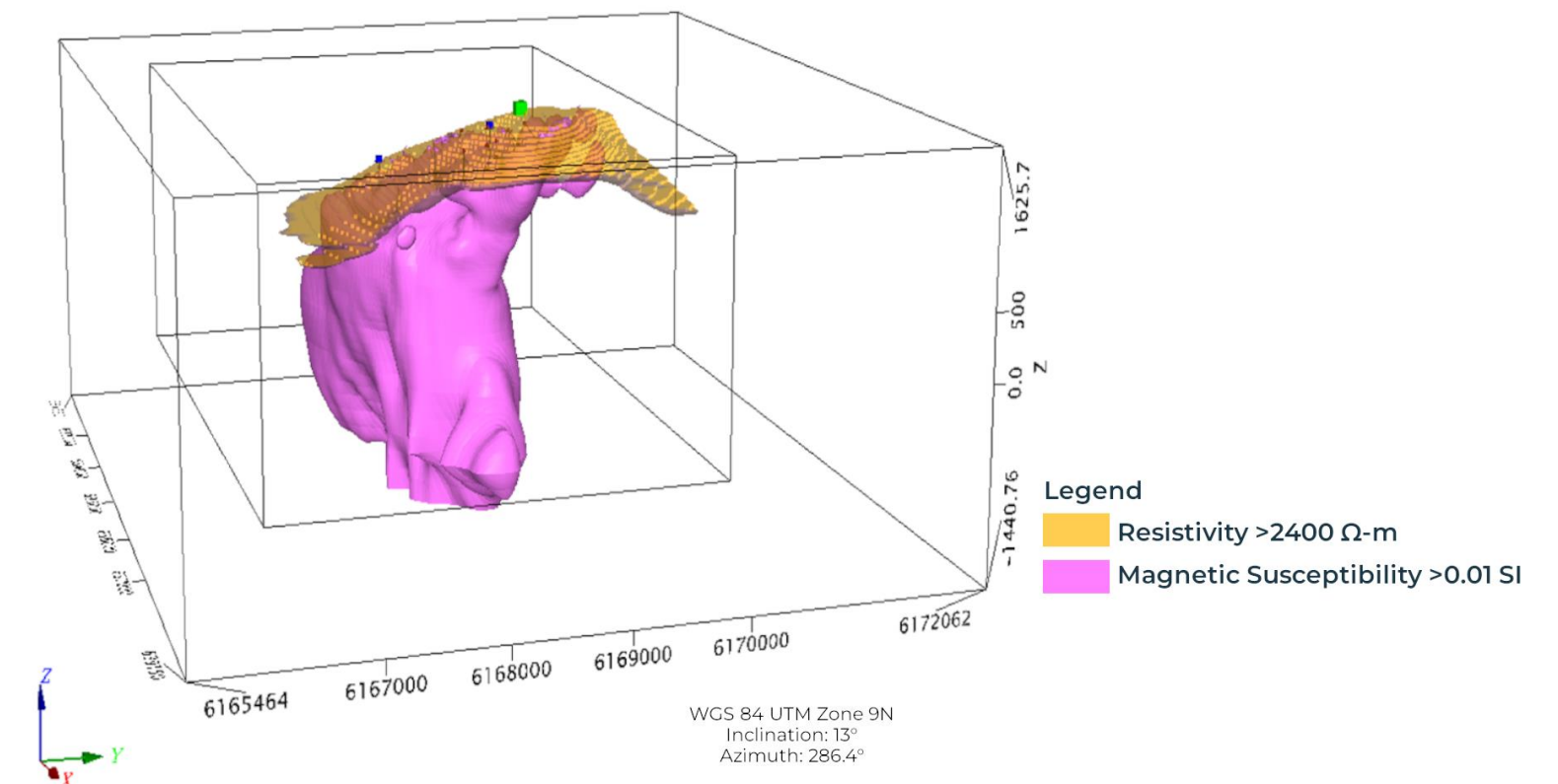
Horetzky Copper Project, B.C.

Integrated geophysics identifies untested exploration targets

- 🏔️ **Untested anomalies:** Modern inversion of historical IP/resistivity data identified responses not tested by historical drilling and clarified their location and geometry
- 🏔️ **MobileMT interpretation:** The ~120 line-km survey images subsurface resistivity architecture to more than **1,000 metres depth**
- 🏔️ **3D aeromagnetic model:** Images an interpreted multi-phase intrusive complex extending more than **2,500 metres from surface**, to the stated depth limit of the inversion
- 🏔️ **Integrated targeting:** Evaluation alongside surface geochemistry and historical drilling provides a stronger technical basis for refining and prioritizing future exploration targets

Horetzky Project

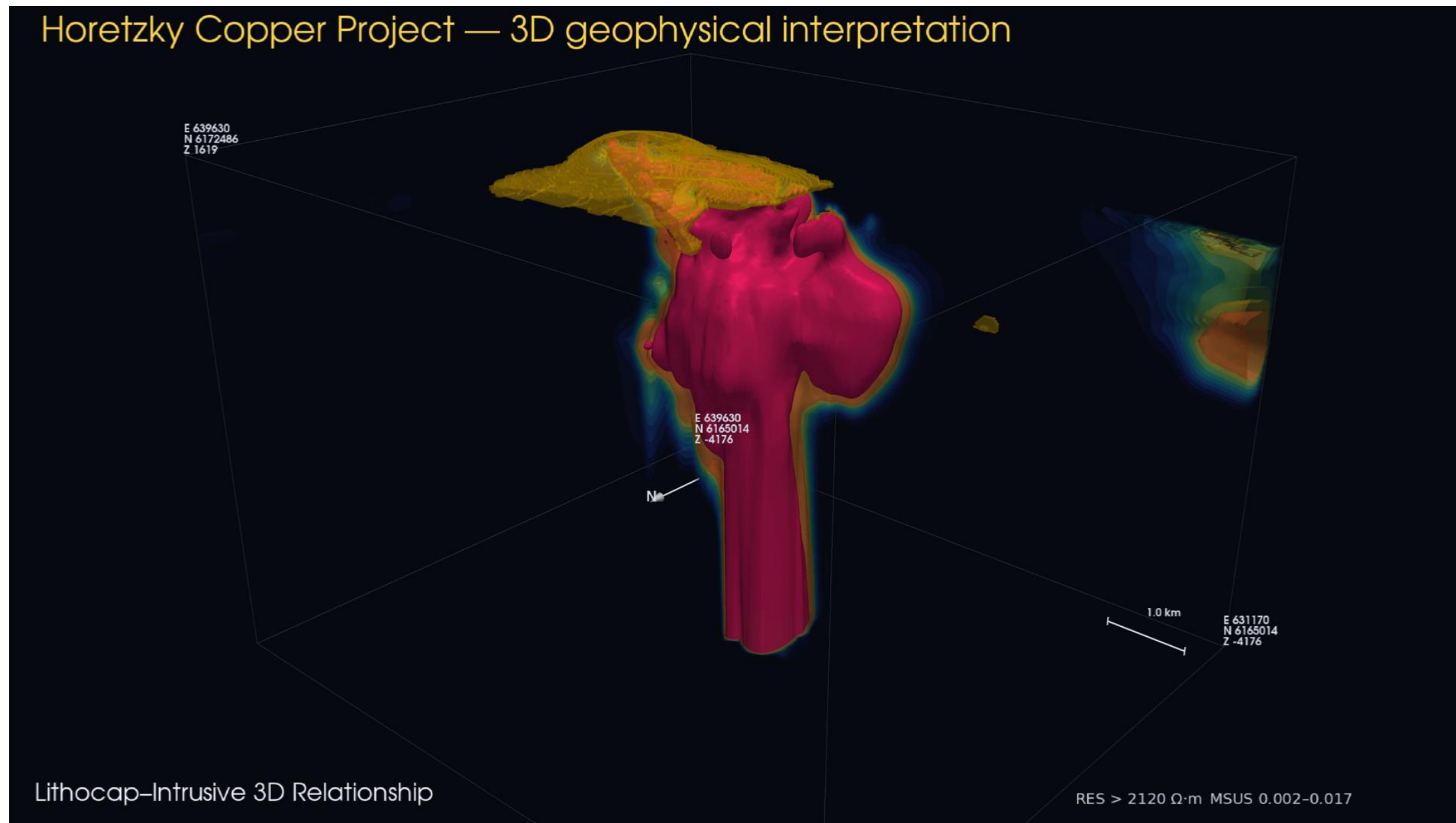
Combined AFMAG Resistivity and 3D VOXI Magnetic Inversion Models



The aeromagnetic susceptibility and MobileMT resistivity models are separate inversion products displayed together to illustrate their spatial relationship. Geological and geophysical interpretations remain inferred.

Horetzky 3D Geophysical Animation

A 3D view of the project's interpreted deep structure



MAGNETIC MODEL

>2,500 metres

Interpreted multi-phase intrusive complex, from surface to the stated depth limit of the inversion

MOBILEMT MODEL

>1,000 metres

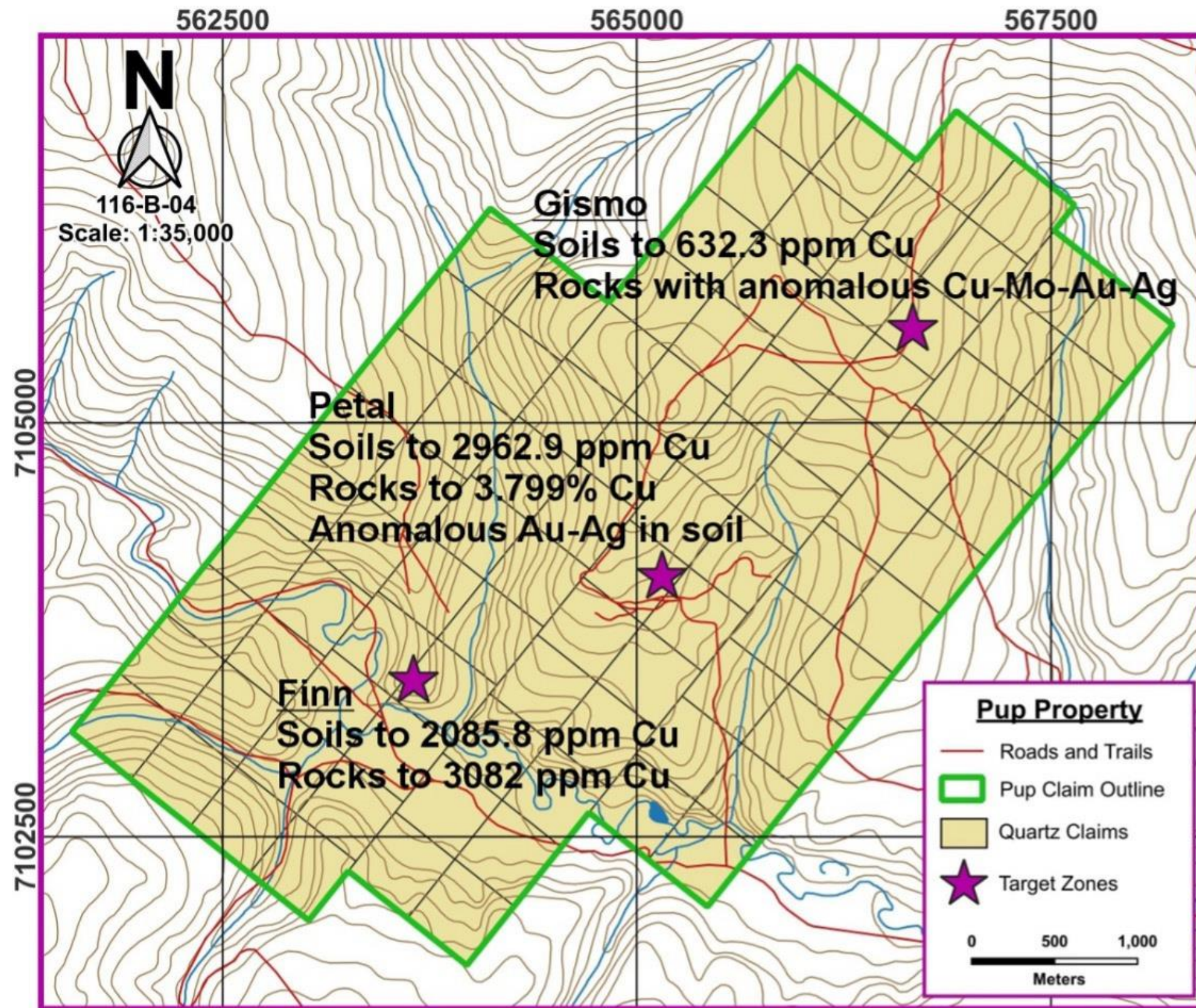
Inferred subsurface resistivity architecture

[Watch Online](#)

The models are separate inversion products displayed together to illustrate their spatial relationship. Geophysical responses are inferred and require evaluation alongside geological, geochemical and drilling information.

Pup Copper Project, Yukon

Permitted, Funded, Inaugural Drilling Underway



- 2024 discovery: Strong surficial oxidation suggesting significant discovery potential at depth
- Geology and mineralization analogous to targets in the Minto Copper Belt
- Located ~10 km west of Dawson City
- Comprises 90 quartz claims / ~1,820 ha
- 10-year Class 3 exploration permit allowing drilling, trenching, trail construction and road building
- Three targets:** Petal, Gismo, Finn
 - Petal:** 400m x 1,000m open-ended NW trending copper anomaly,
 - Soil values up to 2,963 ppm Cu
 - Rock values up to 3.799% Cu
 - Gismo:** Soil values up to 632.3 ppm Cu
 - Rock values up to 643.2 ppm Cu
 - Finn:** Soil values up to 2,085.8 ppm Cu
 - Rock values up to 3,082 ppm Cu

Pup Copper Project, Yukon

2026 Maiden Drill Program Underway

2025 Results

- Surface work **expanded Petal** to ~1,000 m x 400 m, open northwest and southeast, and brought it to the drill decision stage
- Ground magnetics at Petal correlate with copper-in-soil values

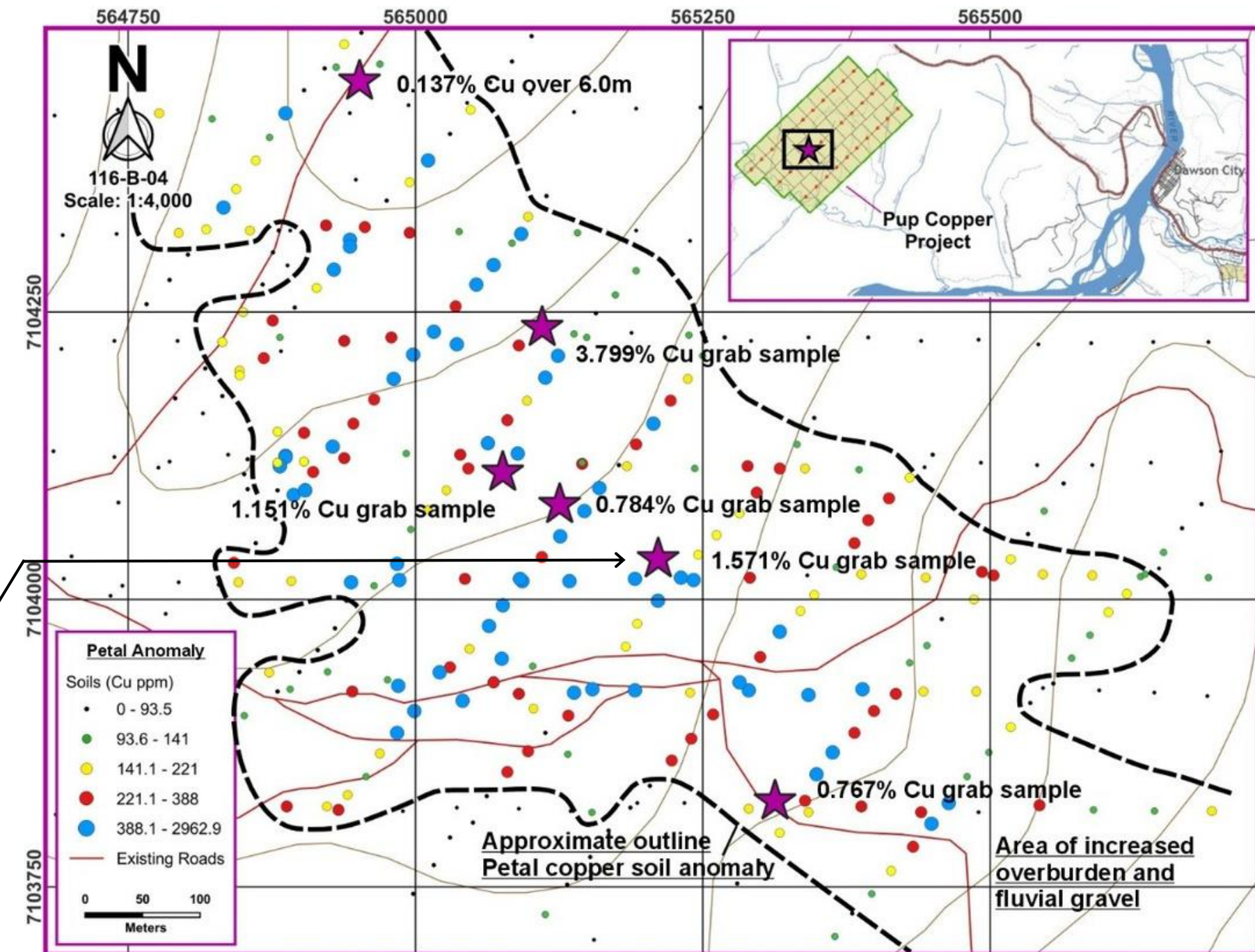
2026 Program Underway

- Up to 10 shallow RC scout holes totalling ~600 metres
- Testing near-surface targets at the Petal and Gismo Zones
- First direct test of bedrock beneath copper-in-soil anomalies and surface copper oxide mineralization

Why It Matters

- Pup entered its first-ever drill program in July 2026

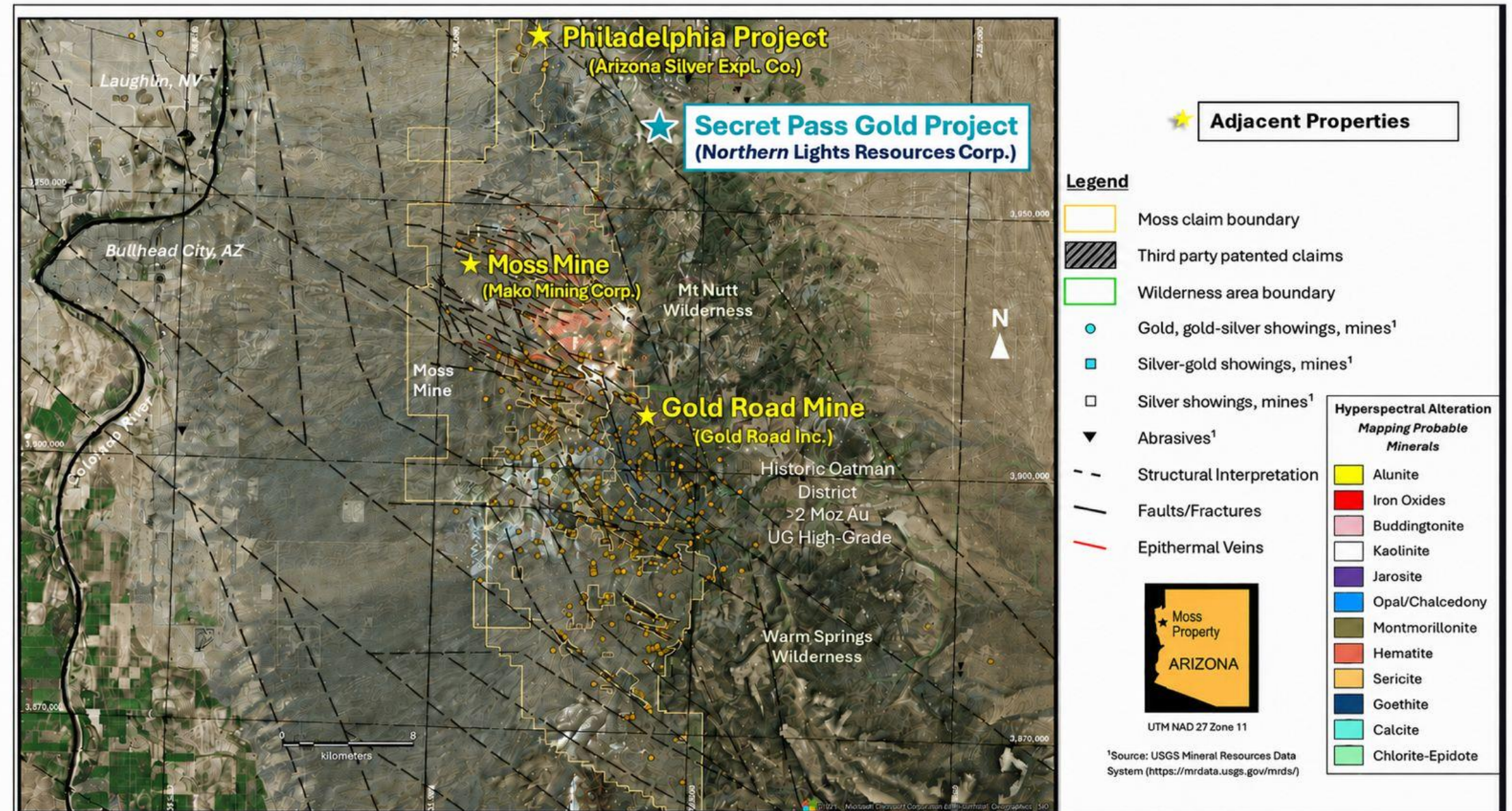
- Copper oxide mineralization, including malachite and azurite, has been observed at surface, with strong surficial oxidation noted across the Pup target area



Secret Pass Gold Project, Arizona

High-grade gold asset in the historic Oatman district

- 100% owned gold project located 29 km west of Kingman, Arizona and ~15 km north of the historic Oatman Gold District
- Oatman District produced approximately 2 Moz Au between 1892 and 1940 at an average grade of >15 g/t Au
- Secret Pass has a meaningful historic database, including ~14,000 m across 126 historic drill holes
- Historic drilling returned intersections of up to 13.6 g/t Au over 36 m, with additional long high-grade intervals reported
- 2021 drilling at Tin Cup confirmed broad gold mineralization, including 1.61 g/t Au over 66.15 m and 0.86 g/t Au over 170.57 m



Source: Mako, January, 2026.



Secret Pass Gold Project, Arizona

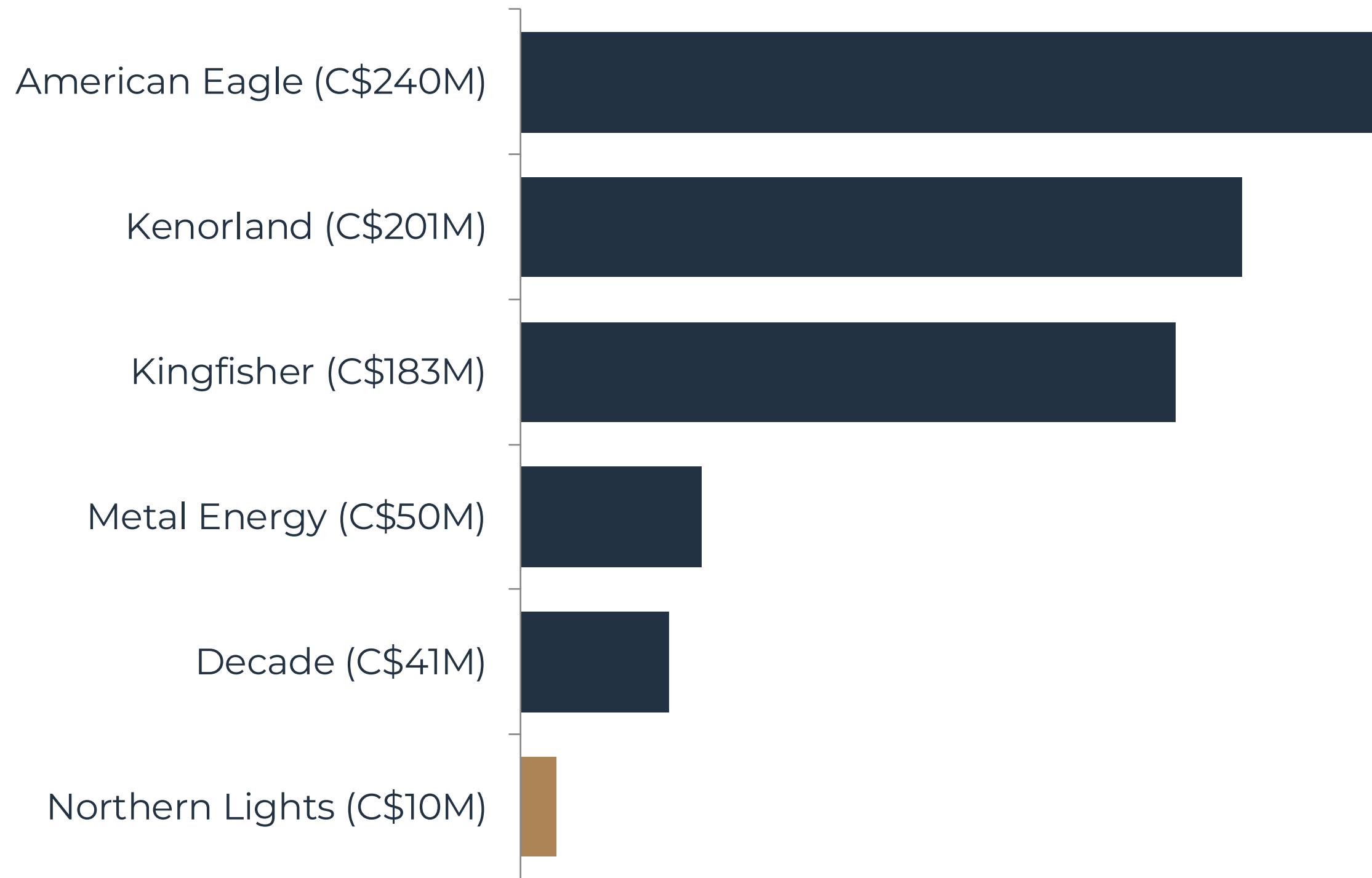
100%-Owned Gold Optionality

- 🏔️ 14,000m across 126 drill holes of historical drilling with intersections of up to **13.6 g/t over 36m**
 - Multiple long high-grade drill intervals including:
 - **29 m @ 6.7 g/t Au**
 - **18 m @ 3.4 g/t Au**
 - Internal high-grade zones exceeding **30-45 g/t Au**
- 🏔️ Purchased by NLR in November 2019
- 🏔️ Epithermal gold mineralization is hosted by steeply dipping regional faults running through the license area
- 🏔️ Numerous targets were identified by geophysics, mapping, and surface stream and rock sampling during 2020
- 🏔️ Four drill holes drilled at Tin Cup prospect in 2021 returned gold mineralization over wide intercepts at depth of less than 80 metres. The mineralization remains open at depth and along strike.



Market Caps of Selected Peers

C\$10M market cap, with selected peers valued at up to 24x NLR



C\$10M

Northern Lights market cap

Up to 24x

Re-rating headroom to pre-resource B.C. peers

3 / 3

Projects / Tier-1 jurisdictions

August 31, 2026 close. Sources: S&P Global via Stock Analysis and issuer disclosures.

Comparable Explorers: Deep Value Potential

Copper and gold systems across proven North American mineral belts

	Northern Lights CSE: NLR	American Eagle TSXV: AE	Kenorland TSXV: KLD	Kingfisher TSXV: KFR	Metal Energy TSXV: MERG	Decade TSXV: DEC
Market cap	C\$10M	C\$240M	C\$201M	C\$183M	C\$50M	C\$41M
Market cap vs NLR	1x	24x	20x	18x	5x	4x
Shares outstanding	~71M	~205M	~80M	~157M	~50M	~251M
Jurisdiction(s)	BC, Yukon, Arizona	BC (Babine Belt)	Quebec, Ontario	BC (Golden Triangle)	BC, Manitoba, Ontario	BC (Golden Triangle)
Flagship project(s)	Horetzky, Pup, Secret Pass	NAK (Cu-Au)	Frotet / Regnault (Au)	HWY 37 (Cu-Au)	NIV (Cu-Au)	Bonaparte, North Mitchell
Project stage	Pup drilling Horetzky: targets Secret Pass: historic drilling	Active drilling; pre-resource	Generator; inferred resource (royalty held)	Active drilling; pre-resource	Active drilling; maiden program underway	Active drilling at Bonaparte
Selected reported results	13.6 g/t Au / 36m (Secret Pass, historic); 3.8% Cu rock at Pup	802m @ 0.71% CuEq, incl. 375m @ 1.01%	26.3 g/t Au / 12m; 2.55 Moz inferred	889m @ 0.47% CuEq; 234m @ 1.0% CuEq	Maiden drilling underway	Grab samples to 122 g/t Au

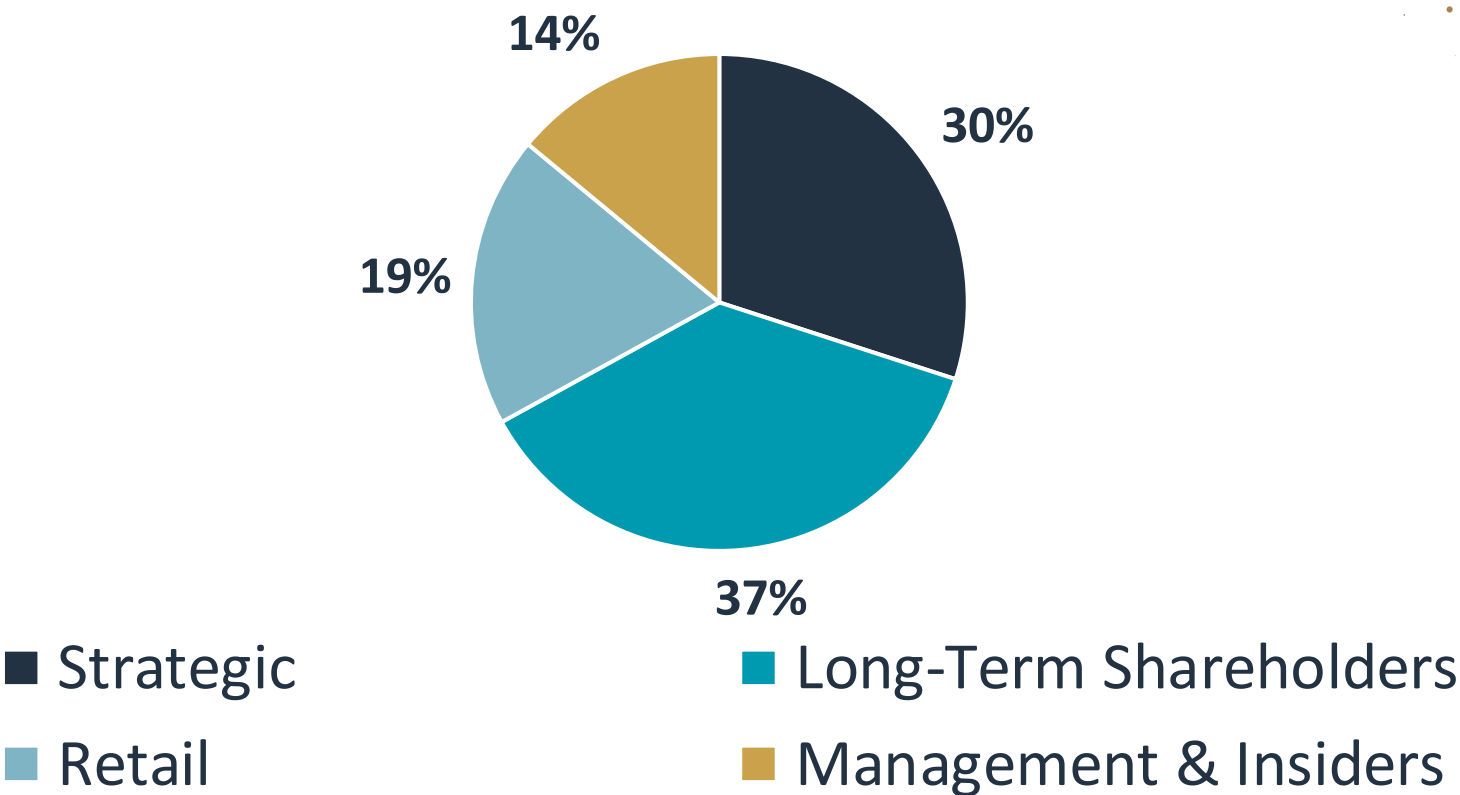
August 31, 2026 close. Market caps and shares rounded to millions. NLR uses C\$10M. Multiples rounded. Sources: S&P Global via Stock Analysis and issuer disclosures. Details in notes.



Capital Structure

Total Issued & Outstanding:	70,643,704
Warrants:	18,950,000
Options:	6,415,000
Market Capitalization ¹ :	C\$10M
Share Price ¹ :	C\$0.14
Cash ² :	C\$3M

Shareholder Composition



Trading Symbol: **NLR**



Trading Symbol: **NLRCF**



Trading Symbol: **OZH0**

¹ As of August 31 2026
² As of July 31 2026



Focused on Discovery

Tangible progress at each asset, funded near-term catalysts across the portfolio

HORETZKY

Copper · Babine Porphyry Belt, B.C.

DELIVERED

- ✓ **Oct 24, 2024** - Optioned Horetzky Copper Project
- ✓ **Jul 23, 2025** - Granted five-year exploration permit
- ✓ **May 25, 2026** - Completed MobileMT airborne survey
- ✓ **Jun 2, 2026** - Reported strong multi-element anomalies from 2025 fieldwork
- ✓ **Jun 11, 2026** - Defined deep-seated Cu porphyry intrusion
- ✓ **Aug 31, 2026** - Completed integrated interpretation; identified anomalies not tested by historical drilling

CATALYSTS AHEAD

- ▶ Refinement and prioritization of drill targets
- ▶ Horetzky drill program commencement
- ▶ Horetzky drill results

PUP

Copper · Yukon

DELIVERED

- ✓ **Sep 18, 2025** - Optioned the Pup Copper Project
- ✓ **Oct 29, 2025** - Granted 10-year Class 3 drill permit
- ✓ **Mar 12, 2026** - Reported 2025 exploration results
- ✓ **Jun 18, 2026** - Commenced 2026 exploration program, drill-ready
- ✓ **July 27, 2026** - Commenced inaugural drill program at Pup

CATALYSTS AHEAD

- ▶ Pup maiden drill results
- ▶ Results from 2026 Pup surface sampling

SECRET PASS

Gold · Arizona

DELIVERED

- ✓ **Nov 7, 2019** - Completed 100% acquisition of Secret Pass; no production royalties
- ✓ **2020** - Identified multiple targets through geophysics, mapping and surface sampling
- ✓ **2021** - Completed four-hole, ~610 m Phase 1 drill program at Tin Cup
- ✓ **Nov 25, 2025** - Confirmed continued 100% ownership of Secret Pass

CATALYSTS AHEAD

- ▶ Historical geological, geochemical and geophysical data recompilation
- ▶ Refined geological model and optimized drill targets
- ▶ Updated Secret Pass exploration plan and next-phase program



Leadership

Board of Directors

 **Steven McMullan, P.Geo**
Geological Advisor & Director

 **Luka Capin**
Director

 **Lisa Thompson**
Director

 **Gordon Tainton**
Independent Director

Management Team

 **Luka Capin**
Interim CEO & Director
Capital markets professional with extensive experience in investor relations, corporate communications and strategic advisory services for public companies. Has worked with numerous mining and technology issuers, supporting shareholder engagement, market visibility and capital markets initiatives.

 **Leon Ho, CPA**
CFO
Mr. Ho is a chartered professional accountant with years of experience working with mining exploration companies. He is a principal at Cross Davis & Company LLP, a chartered professional accounting firm providing accounting services to publicly listed entities, primarily in the mining sector

 **Steven McMullan, P.Geo**
Geological Advisor & Director
Mr. McMullan is a senior exploration geoscientist with over 40 years of diverse international experience in mineral exploration and discovery, mine development, and project management across five continents. He was a member of the Kamo a copper deposit discovery team, which received the Prospectors & Developers Association of Canada (PDAC) 2015 Thayer Lindsley International Discovery Award





CSE: NLR | OTC: NLRCF | FSE: OZH0

CONTACT US



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[@LightsResources](https://twitter.com/LightsResources)

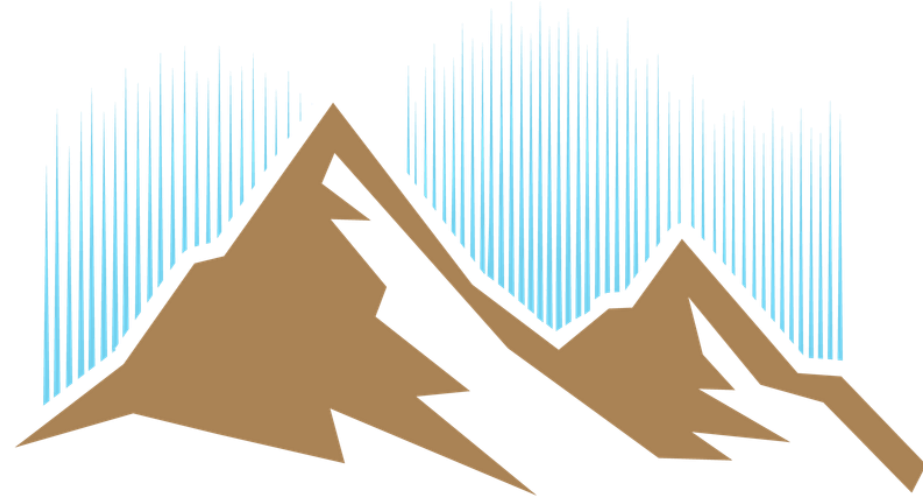


[Northern Lights Resources](https://www.linkedin.com/company/Northern%20Lights%20Resources)



[@NorthernLightsResources](https://www.youtube.com/channel/UC...)





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Appendix



Bernie Kreft Properties

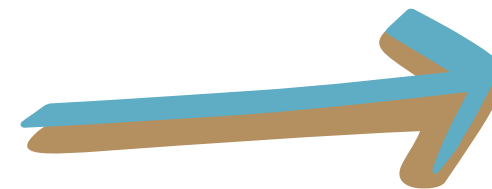
Veteran Canadian Prospector



Northern Lights optioned the *Horetzky* Copper property from Kreft in October 2024 and the *Pup* property in September 2025



Sitka Gold - ~\$450M Market Cap*
Clear Creek Property



American Eagle Gold - ~\$225M Market Cap*
NAK Property

* As of June 17, 2026

Refining a Historic Copper Target

58 years of exploration, reinterpreted with modern tools

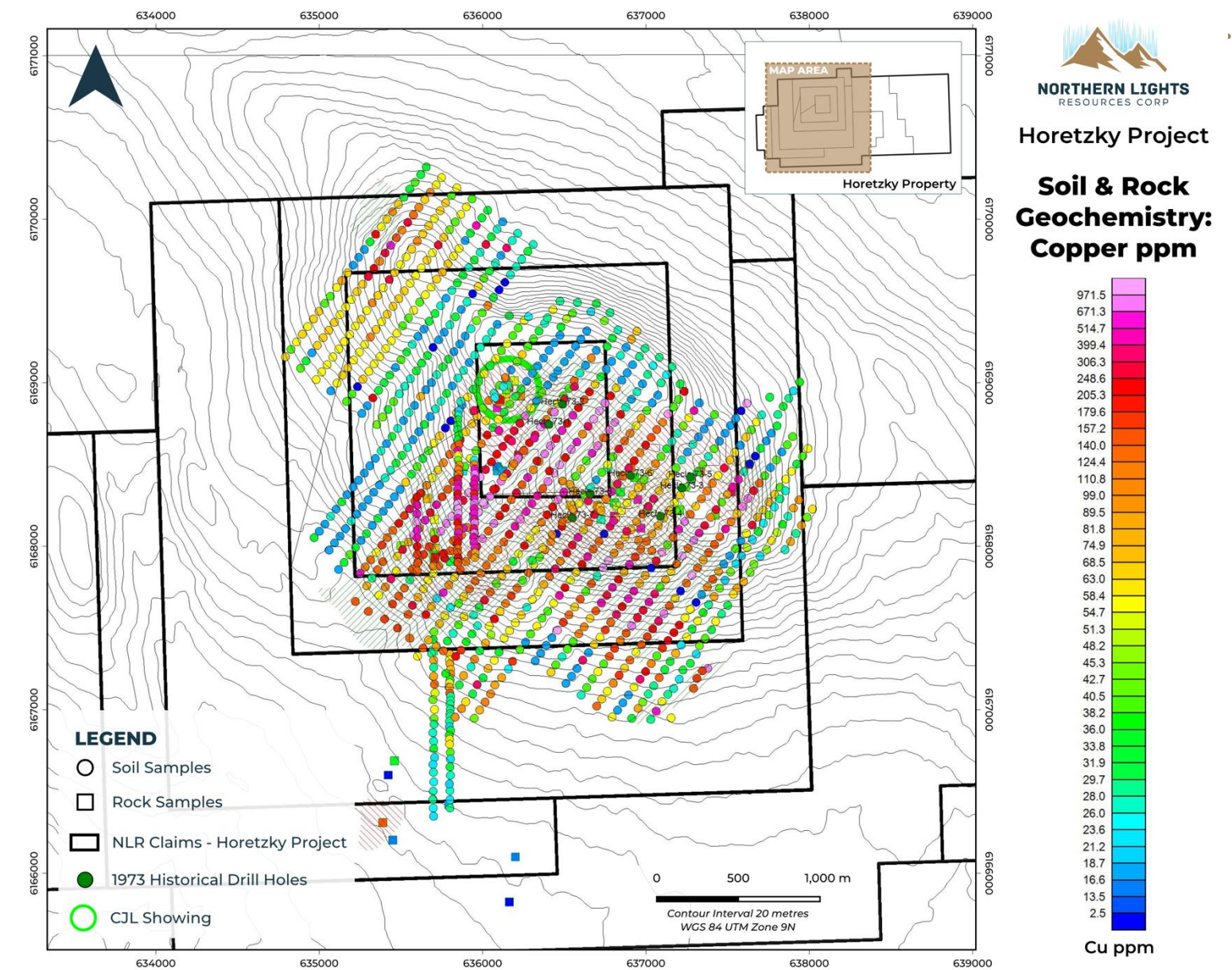
- 58 year exploration history (1967–2024) by major and junior operators including Hecla Mining, Rio Algom, CJL Enterprises, Volatus Capital, and Bernie Kreft
- Large copper soil anomaly (~3.0 km²) identified by Hecla with Cu values up to plus 10,000 ppm, associated with pyrite, chalcopyrite, bornite, molybdenite and chalcocite
- Airborne magnetics & EM (1968) defined coincident magnetic and conductive anomalies
- IP geophysics (1972–1973) outlined multiple strong chargeability zones consistent with sulfide-rich mineralization
- Eight historical diamond drill holes completed to test IP chargeability highs
- Rio Algom (1992) confirmed anomalous Au within the Cu-Mo soil anomaly and Cu-Mo mineralization in drill core
- Modern re-interpretation (2014–2021) defined a prospective ~3 km × 2 km arc-transverse magnetic anomaly associated with the copper geochemical anomaly
- 2024 fieldwork by Bernie Kreft confirmed the presence of Cu-Mo-Au mineralization in rock samples and located several new Cu bearing showings
- All historical & modern datasets digitized by Northern Lights, including geochemistry, geophysics, and assay certificates

Year	Company	Work Program	Comment	Data Obtained by NLR?
1967	Hecla Mining	Geological mapping, prospecting and B Horizon soil sampling	Soils Cu anomaly 4000x7500 ft, occupies the southern half of the survey area with 13 ppm to 1% Cu. Dykes are mineralized with varying amounts of inconsistent pyrite and chalcopyrite	Yes
1968	Hecla Mining	Airborne magnetic and electromagnetic survey	Identification of magnetic anomaly coincidental with soil sample anomaly plus several EM conductors	Yes
1972	Hecla Mining / Pacific Petroleum	Geological mapping, ground magnetometer and induced polarization geophysical surveys	Magnetics outlined several areas of diorite with high magnetic susceptibility. The IP survey outlined several chargeability highs related to the presence of sulphides within hornfels and dykes.	Yes
1973	Hecla Mining / Pacific Petroleum	Infill IP survey / Completion of 8 diamond drill holes	Identification of several strong positive chargeability anomalies. Drill logs and assay results identified mineralization including the presence of chalcopyrite, chalcocite, bornite and molybdenite.	Yes
1992	Rio Algom	Geological mapping, rock sampling, soil sampling and core relogging and sampling	Work confirmed the presence of Cu (chalcopyrite, bornite and pyrite) and molybdenite and gold mineralization	Yes
2014	CJL Enterprises	Rock and soil sampling to confirm historical soil samples and magnetometer survey anomalies	190 soil samples and 13 rock samples. The work program confirmed the potential for a Babine style porphyry system deposit on the Horetzky project	Yes All data including partially digitised data.
2021	Volatus Capital	Prospecting, soil sampling, airborne magnetic and radiometric survey.	521 lone km magnetometer and radiometric property wide survey. Identified and confirmed 3kmx2km NE oriented magnetic anomaly and a radial set of weak magnetic anomalies (potentially porphyry dykes).	Yes All data including Assay Certificates has been obtained
2024	Bernie Kreft	Prospecting and confirmation samples – 17 soil samples and 13 rock samples	Confirmation of mineralization identified in historic exploration campaigns	Yes All data received.

Horetzky Copper Project - Historic Exploration

A compelling 3.0 km² copper-in-soil anomaly

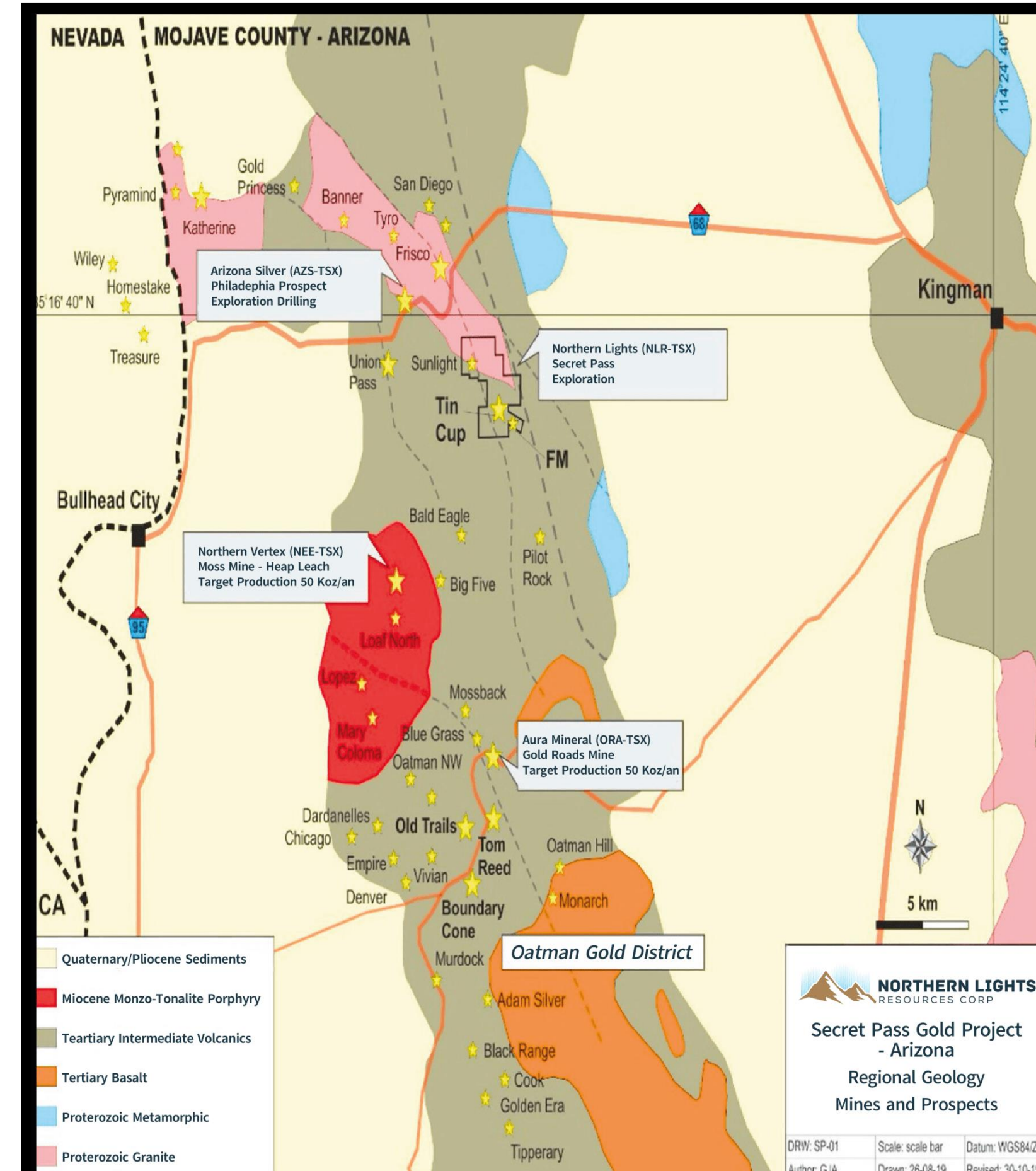
- Historic exploration at Mt. Horetzky has delineated a compelling 3.0 km² copper-in-soil geochemical anomaly, with numerous samples exceeding 1,000 ppm Cu. This anomaly coincides with a strong positive magnetic signature and remains open for expansion to the southeast and southwest
- Historical diamond drilling by Hecla Mining (1973) confirmed copper mineralization with assays including:
 - 4,370 ppm Cu over 0.91 m
 - 1,345 ppm Cu over 10.67 m
- All holes encountered copper mineralization which speaks to the strength of the system within the area tested, with the widespread phyllic and propylitic alteration noted within holes suggesting they were collared outside the grade shell of a typical porphyry system.
- Anomalous copper in soil geochemistry coincident with magnetic anomaly



Soil and rock geochemistry across Horetzky, showing copper values in ppm and historical drill-hole locations.

Higher gold prices revive a historic district

- 🏔️ Oatman Gold Mining district that produced 2 million ounces of gold between 1892 and 1940 at an average gold grade of >15 g/t
- 🏔️ In recent years, higher gold prices have created new interest in the Oatman district
- 🏔️ The Gold Road Mine in Arizona, acquired by Gold Road Inc., **was restarted in 2025**
- 🏔️ Mako Mining **restarted gold mining** at its Moss Mine in Arizona in August 2025



Secret Pass Gold Project, Arizona

2021 Drilling Results, Tin Cup

Secret Pass - Phase 1 Drill Program

TC21-02 Intersections:

- 1.61g/t gold over 66.15m from 64.00m, including
- 10.07g/t gold over 7.41m from 117.04m and
- 22.00g/t gold over 2.07m from 122.38m and
- 29.90g/t gold over 0.65m from 123.30m



In 2021, Northern Lights completed 4 drill holes (approximately 610 metres) at the Tin Cup prospect

TC21-03 Intersections:

- 0.86g/t gold over 170.57m from 59.55m, including
- 1.44g/t gold over 63.20m from 79.75m
- 2.35g/t gold over 22.43m from 96.47m



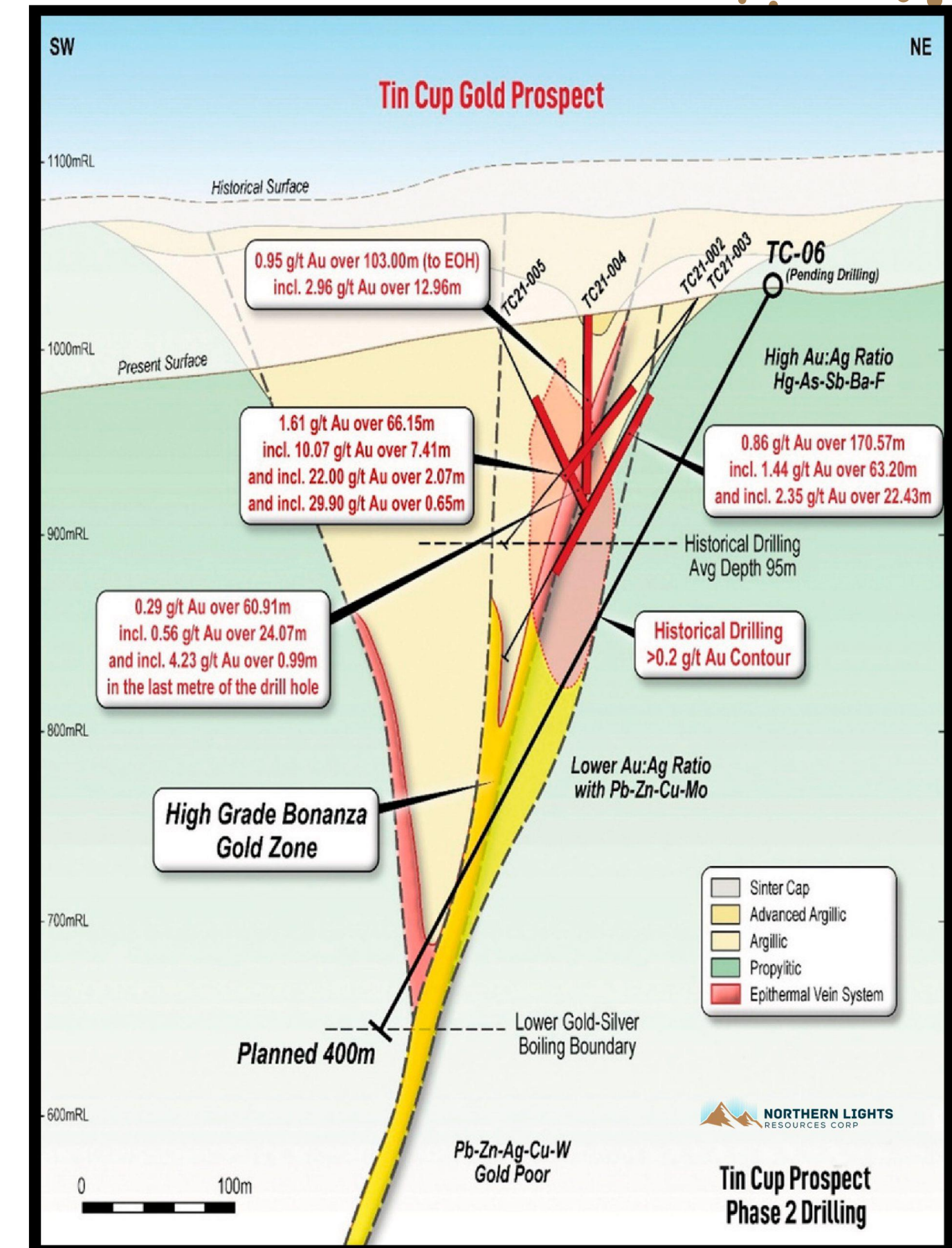
Assay results show the presence of wide zones of gold mineralization extending from surface to approximately 80 metres depth

TC21-04 Intersections:

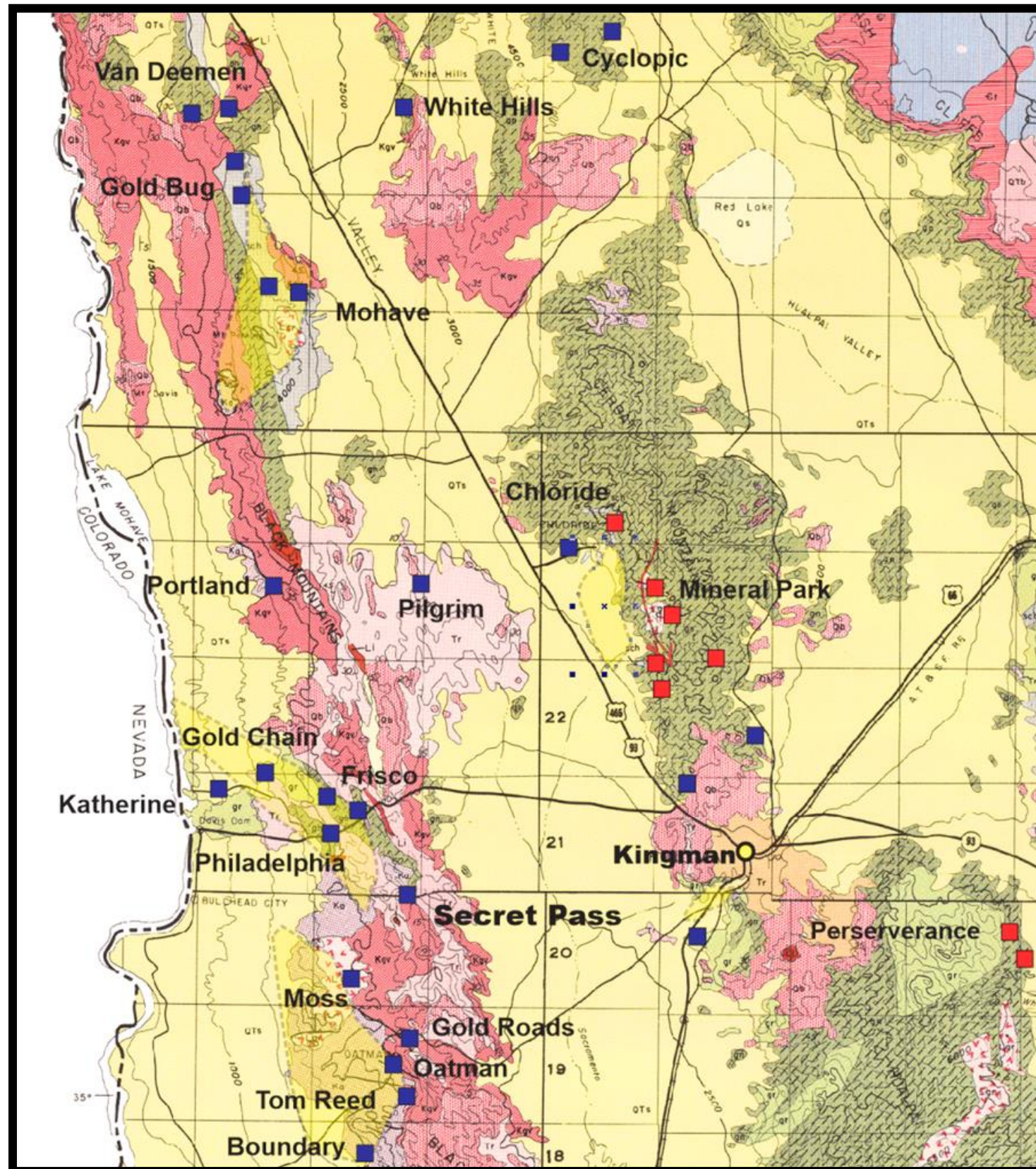
- 0.95g/t over 103.00m, the entire length of the drill hole from collar to hole bottom, including
- 2.96g/t over 12.96m from 75.59m

TC21-05 Intersections:

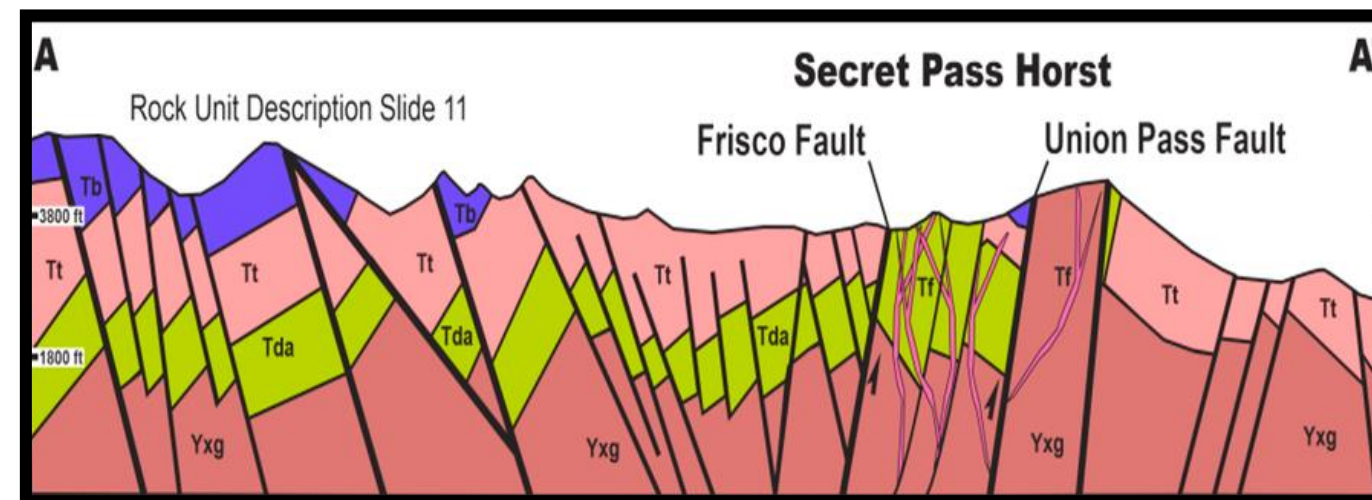
- 0.29g/t over 60.91m from 41.50m, included
- 0.56g/t over 24.07m from 78.34m, including
- 4.23g/t over 0.99m from 101.42m, in the last metre of the drill hole



Oatman Gold District - Regional Geology



-  The majority of the historic gold mines and significant prospects are found in the Black Mtn. Range and the northern end of the Cerbat Range. The principal host rocks are the late Oligocene to Miocene-age Gold Road andesite/latite (Kgv) and Precambrian-age granite gneiss and schist (gn+sch). Numerous placer deposits occur downstream from the primary gold deposits
-  Gold was introduced during late Oligocene to middle Miocene extension and is dominated by low temperature epithermal mineralization
-  The Cerbat Range hosts a number of Cretaceous copper porphyry prospects including the Mineral Park Mo-Cu-Ag deposit which is dated at 73 Ma
-  There is also potential for detachment-related gold mineralization in the Black Mtn. Range, similar to the Mesquite gold mine in California



Secret Pass - Geological Setting & Targets

Precambrian basement beneath Tertiary volcanics

- Geology of the Secret Pass property comprises Precambrian meta-intrusive and gneiss that are unconformably overlain by Tertiary age volcanics. The volcanics consist of a lower sequence of andesite and basalt and an upper sequence of rhyolite to latite domes. The volcanics have been intruded by a series of north trending felsic dykes that display a close association with epithermal gold mineralization
- Main structural feature observed in the Black Mountain Range is system of subparallel, shallow to steeply dipping, north to northwest trending regional faults. At Secret Pass, the regional structures include the Union Pass and Frisco Mine Faults. Significant gold mineralization is spatially associated with the Frisco Mine Fault. Approximately 10 km of the two regional faults have never been drilled in the past
- Over 20 historic workings have been identified on the property. Modern exploration work has only carried out over ~10% of the project area. In total 14,000 metres in 126 holes have been drilled on the Tin Cup and FM gold prospects in the 1980s

