



TSX-V:HPY

HAPPY CREEK
MINERALS LTD.

Corporate Summary, September 2024

Developing Critical Minerals in Western Canada

Forward Looking Statement

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1,2,3 Historical Information is any information collected prior to 2005 that occurs on or adjacent the Property, or more recent information from an adjacent property. The Qualified Person has not completed sufficient work to verify historic information on the Company's or adjacent properties, particularly with respect to historical drilling and other results or production records. However, the Qualified Person believes that historical drilling and analytical results were completed to industry standard practice at the time it was performed, and such information could provide an indication of results but cannot be relied upon due to uncertainties with locations, samples, or analytical and other quality control procedures. Grab and chip samples are localized and selective by nature and may not be representative of a larger area. Results or information from an adjacent property does not infer or indicate similar results or information will or does occur on the subject property.

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David Blann, P.Eng., Director, is a Qualified Person as defined under NI-43-101 has approved the technical content of this presentation.



Happy Creek Minerals Ltd.

- 100%-owned critical mineral projects in proximity to mines and infrastructure, BC
 - Lower-cost exploration, development mining districts
 - Creating mutually beneficial relationships with local Indigenous Communities
- Highland Valley District:
 - 200sq km property with two new copper discoveries
 - adjoins the Highland Valley Copper mine property (HVC) -Canada's largest copper mine)
- South Cariboo District:
 - Properties In proximity to the past producing Boss Mnt Moly mine
 - Fox: a new tungsten discovery with globally significant resource grades
 - Silverboss: new gold, copper, moly targets within 500m of the pits
 - Hen: gold skarn
 - DL: gold in quartz veins



Happy Creek Team

Extensive experience with:

- ✓ Discovery
- ✓ Project development
- ✓ BC geology and mineral deposits
- ✓ Permitting
- ✓ Mine operations
- ✓ Community and Indigenous relations
- ✓ Financing and capital markets
- ✓ Public company governance

Jason Bahnsen, MBA, President, & CEO

Richard Lee, CPA, CMA, CFO

Walter Segsworth, Non-Executive Chair

Michael Cathro, Director

David Blann, P.Eng, Director

Rodger Gray, Director

Sarah Weber, P.Geo, Director

C.J. (Charlie) Greig, P.Geo, Advisor

Finley Bakker, P.Geo, Advisor



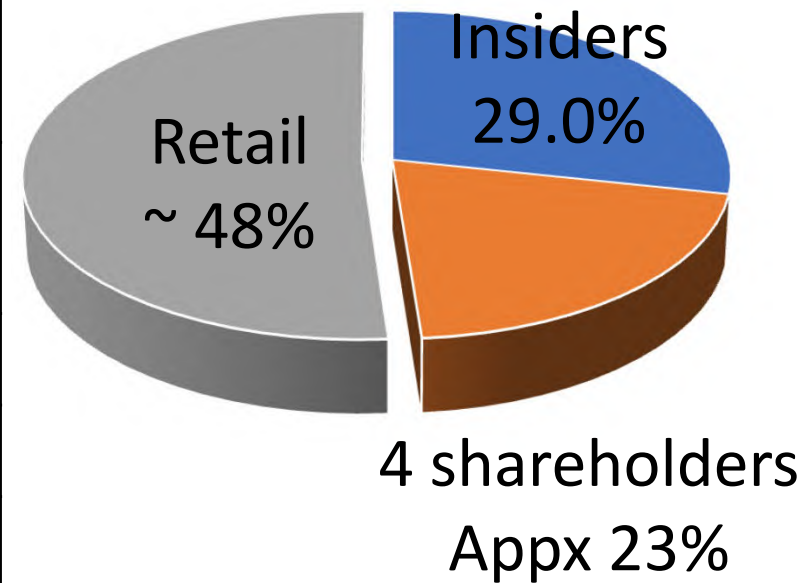
Capital Structure

Management Invested and Aligned with Shareholders



Shares Issued	137.5 m
Warrants- Avg \$0.10 All expire by 02/28/2025	4.36 m
Options- Avg \$0.10, Avg life 2.8 years	15.7 m
Fully Diluted Shares	157.56 m
Recent Share Price	CAD \$0.05
Market Cap	CAD \$7.5 m
TSX:V ticker symbol	HPY

Share Ownership



Canada and B.C. Governments Critical Minerals Strategy

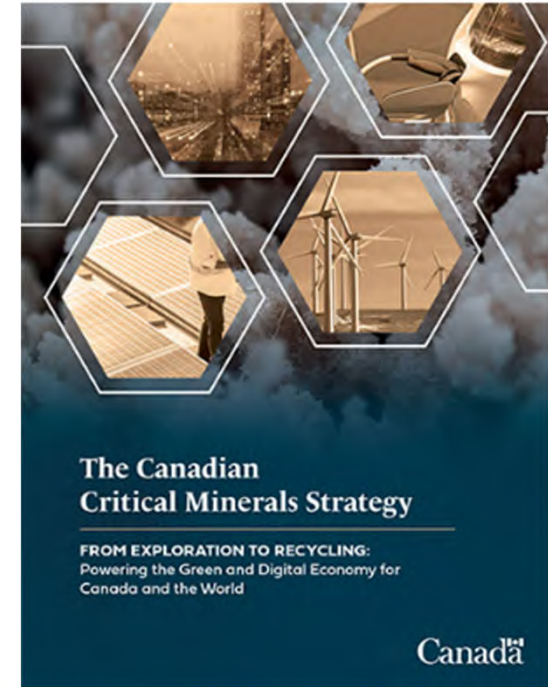
Recognized the importance for a strong economy

Generating greater appreciation and awareness by the general population

- Enhanced investment incentives
- Partnerships with First Nations
- Expedited permitting
- Technical research

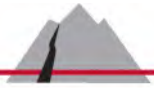
Happy Creek's key projects have these critical metals:

- Copper
- Tungsten
- Molybdenum



Our Commitment:

Community Engagement, Safety and Environmental Protection



- Early and regular communication with all stakeholders
- Priority to local employment, training and contracting
- Building trust and partnerships



Reclaiming drill sites



Keep things clean !



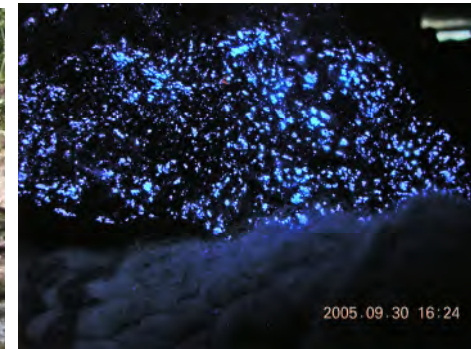
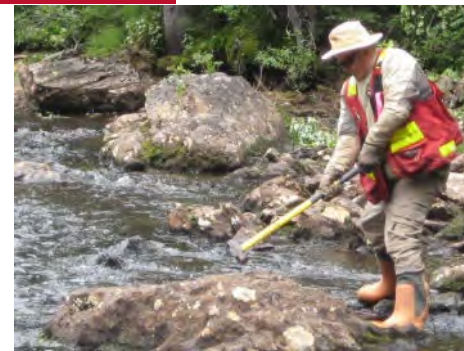
Small tracked drill minimizes
Surface disturbance, tree-cutting

- Heritage field reconnaissance surveys
- Archaeological Chance Find procedure
- Minimize disturbance and water use
- Reclaim disturbance ASAP
- Multi-year permits provide assurance

Our History of Significant Discoveries

Fox Tungsten District

- Discovered by prospecting
- 10km X 5km mineral system
- **Advanced three high-grade deposits** 43-101 resource, open for expansion
- Multiple tungsten targets ready to drill



2005 high-grade tungsten discovery: "Happy Creek"

Highland Valley Zones 1 & 2

- Acquired 200 Km² over 18 years
- Discovered **two copper deposits**, open for expansion
- Multiple copper targets ready to drill



Highland Valley drilling high grade bornite copper



Why British Columbia?

Tier 1 mining jurisdiction
Senior mining companies continue to acquire projects here:

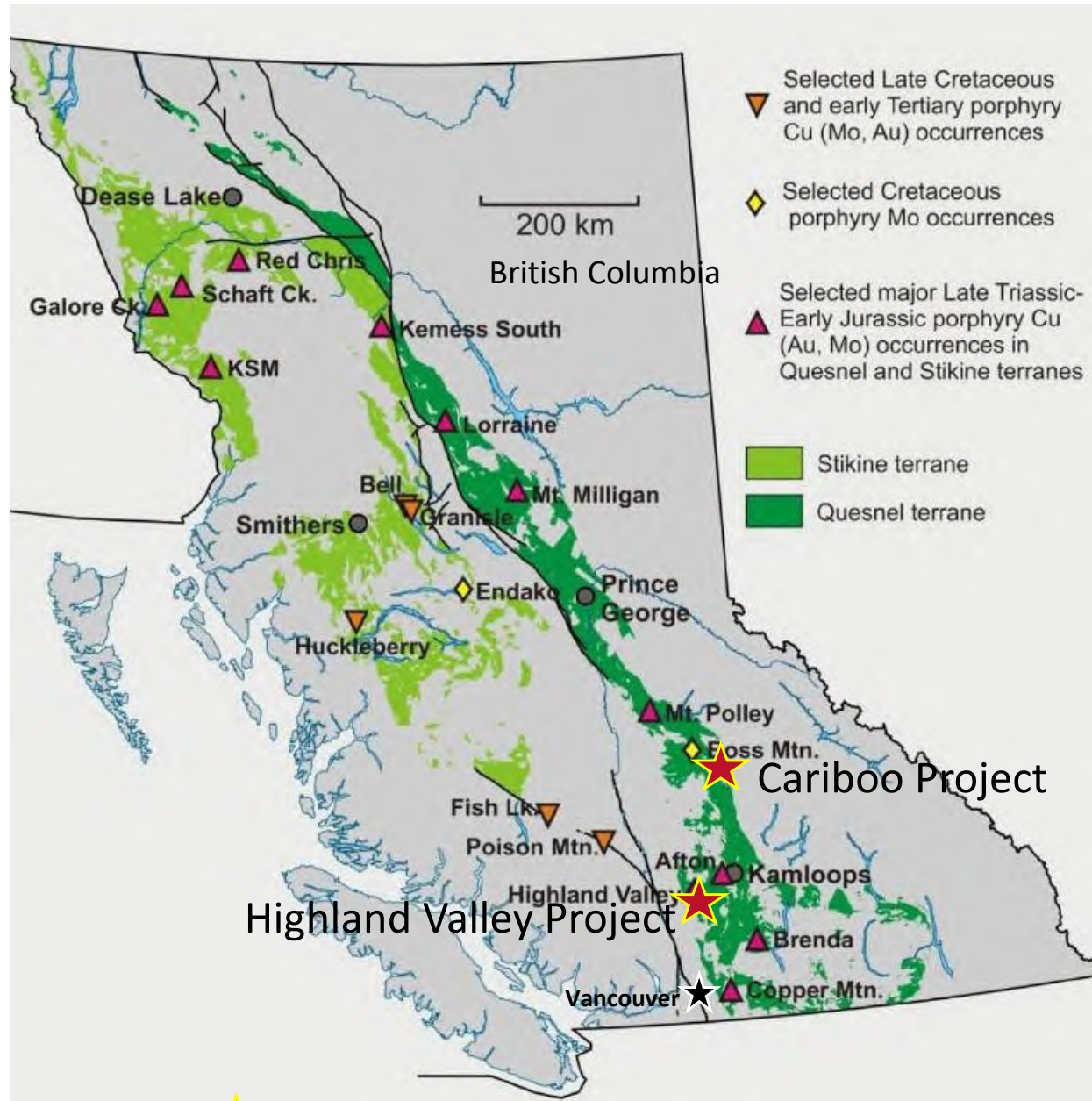
Fortescue (\$52b Company) a recent addition

Stable legal framework
 Robust permitting process
 >\$5.5b in recent mining M&A

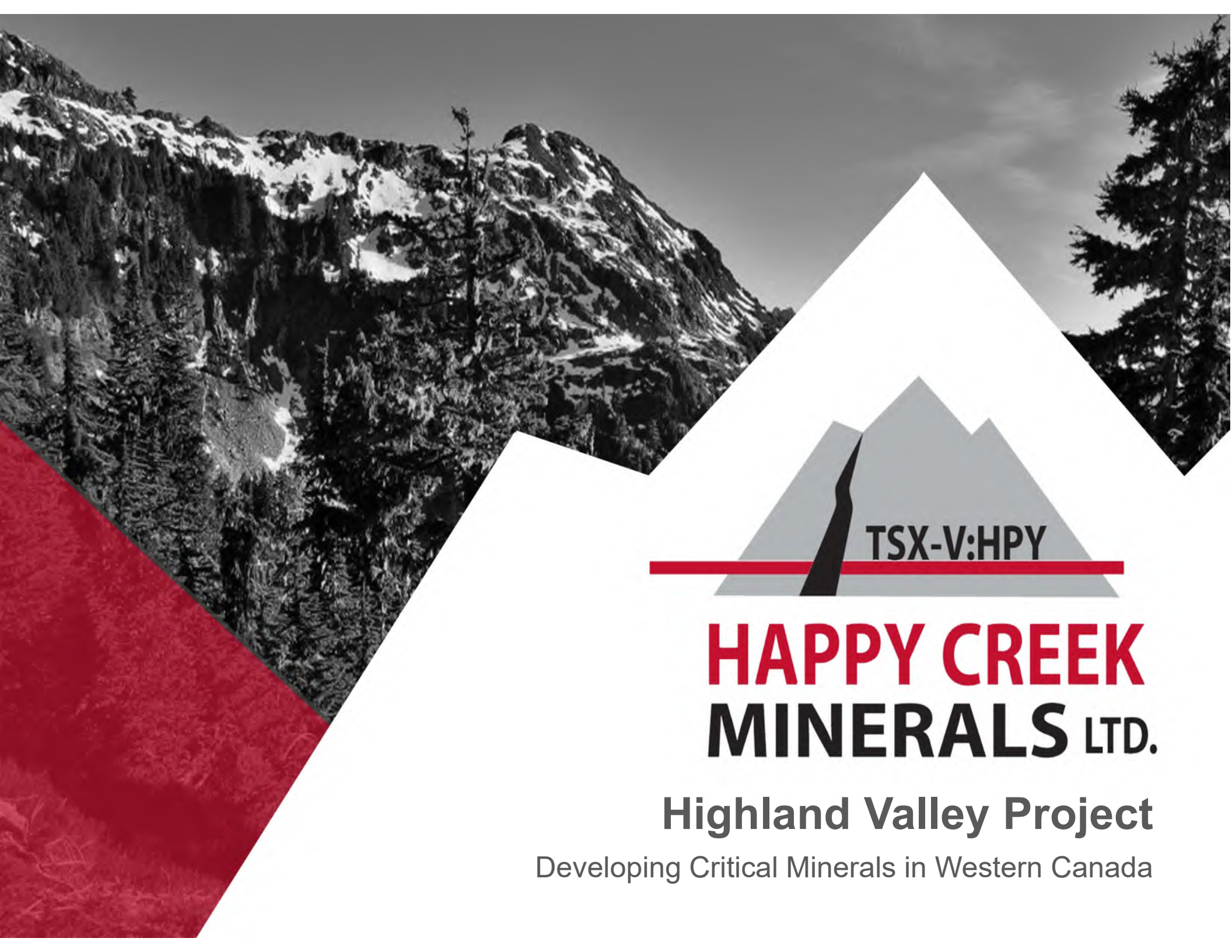
World-class copper endowment:
 Canada's largest copper and molybdenum producer

Easy access to rail, ports
 Low-cost green hydropower

Happy Creek's projects are in the southern BC mining districts



★ Happy Creek's BC Project Locations



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Highland Valley Project

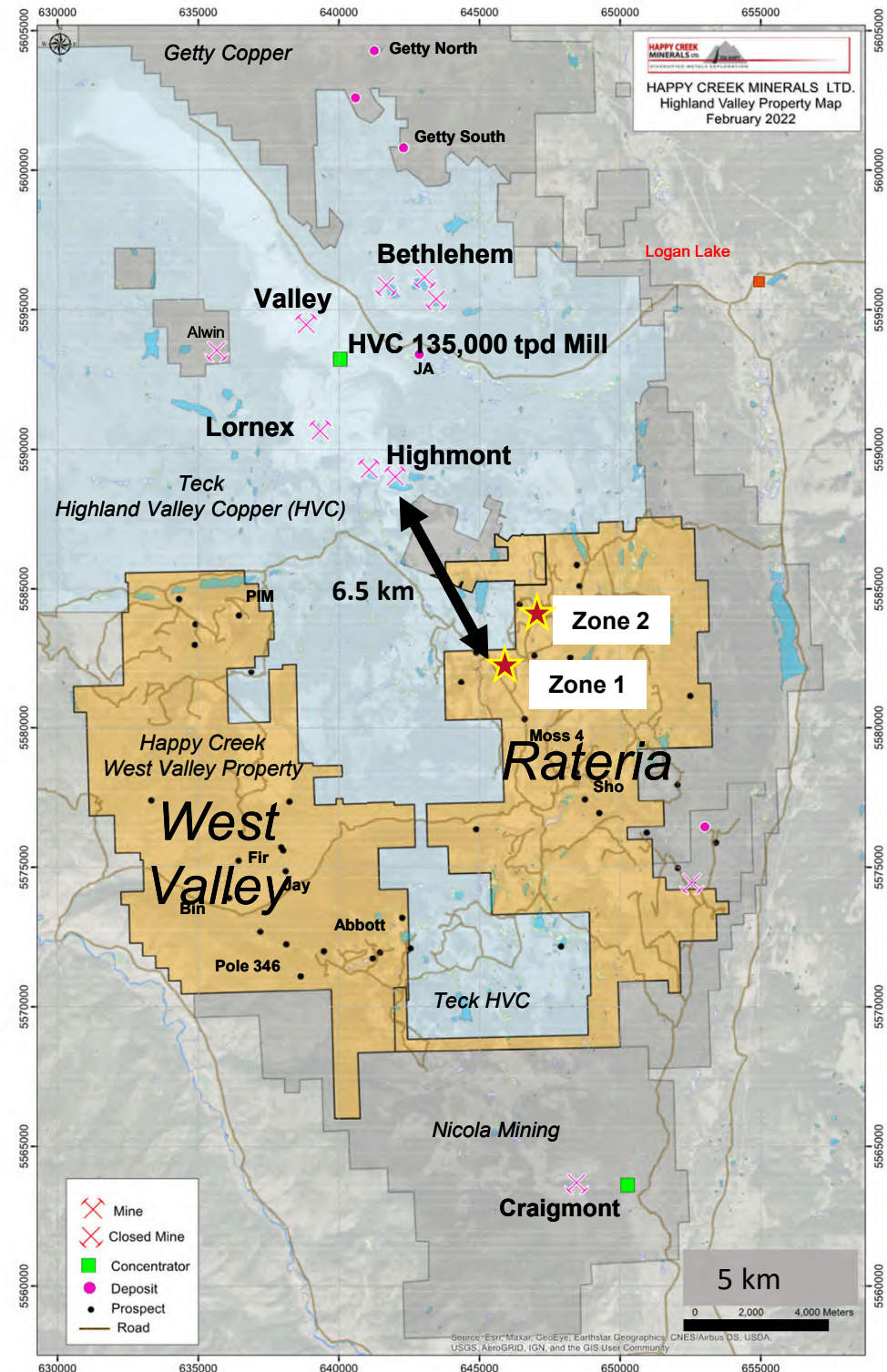
Developing Critical Minerals in Western Canada

Highland Valley District

Canada's Most Prolific Copper District

60 years of continuous mining

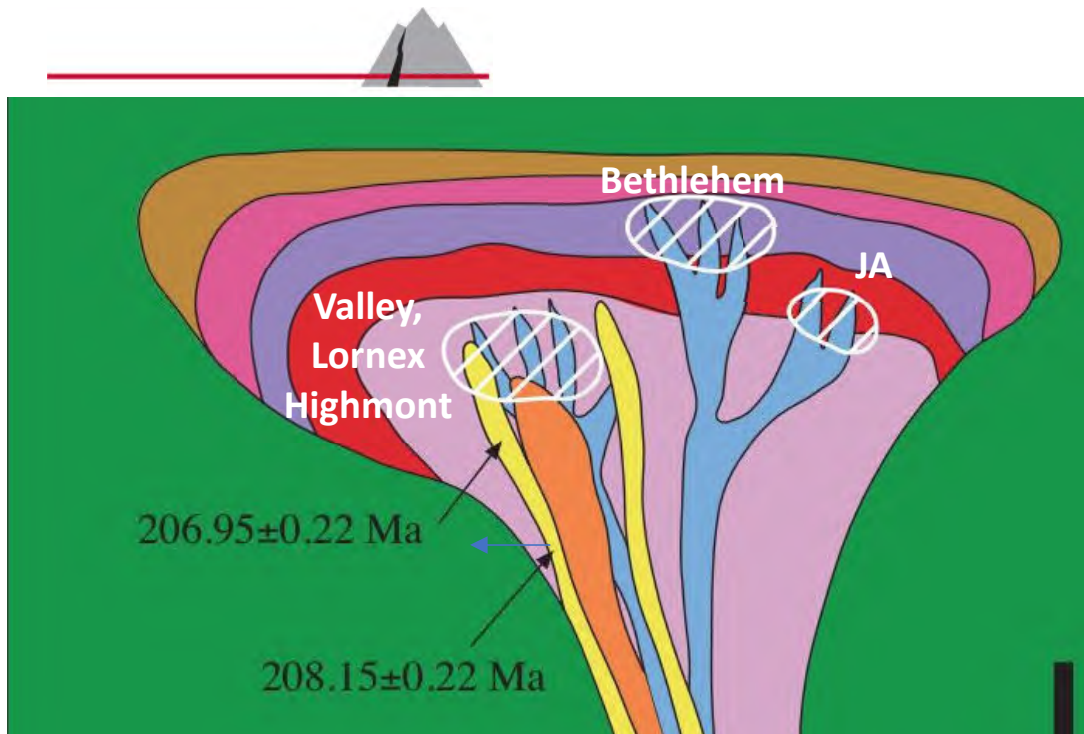
- Rateria and West Valley Properties:
- Adjoins Teck's HVC property (Highland Valley Copper) +2 billion tonnes of production from 7 pits³
- First to assemble this (>200 km²) property package: it took 18 years
- 100% ownership
- Discovered and outlined by drilling Zone 1 and 2 deposits, 6.5 km from Highmont pits
- District has proven it can generate economic deposits. Improves chance to find others
- Great location and infrastructure:
- Multi-year permit in place



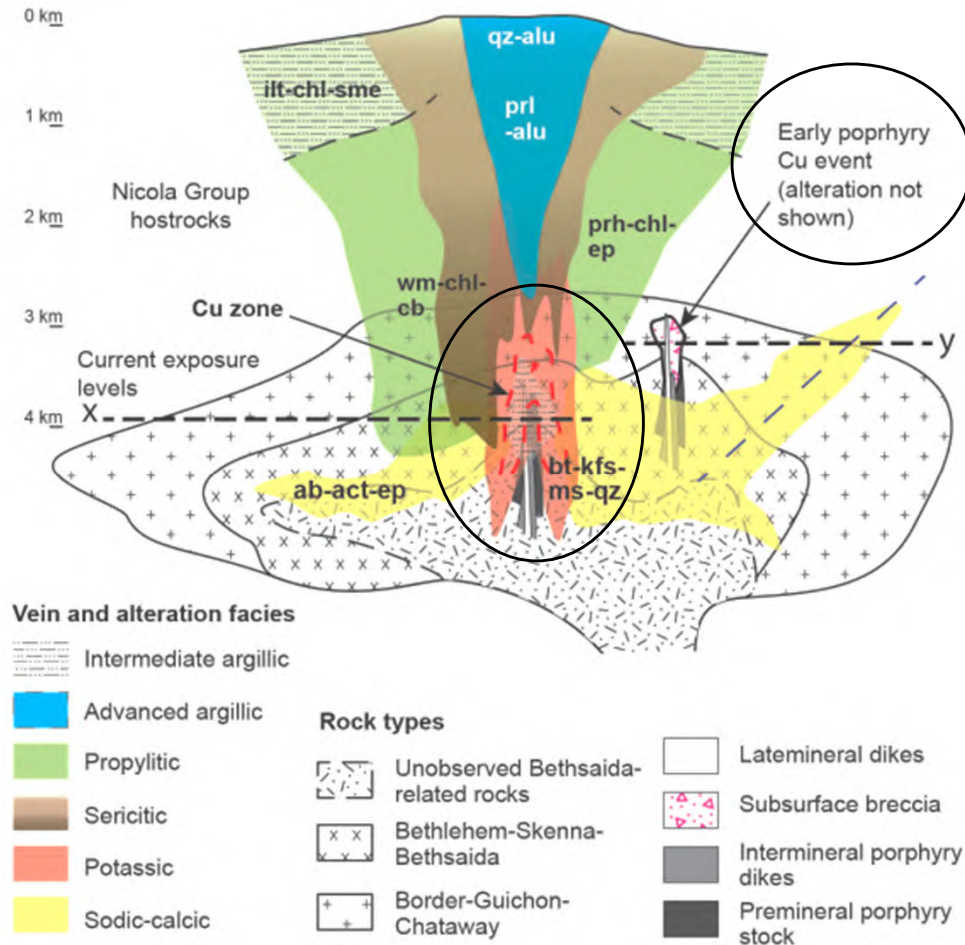
Multiple Recent Technical Studies

Access to new, exploration focused geological research is valuable

These publications and modern tools provide an advantage over historical explorers. Increases opportunity to find new deposits



- | | |
|-----------------|-------------------------------|
| Nicola | Salt and Pepper |
| Border | Bethesda |
| Highland Valley | Syn-mineralisation intrusions |
| Bethlehem | QFPQ Dikes |
| Skeena | |
| Bethesda | |



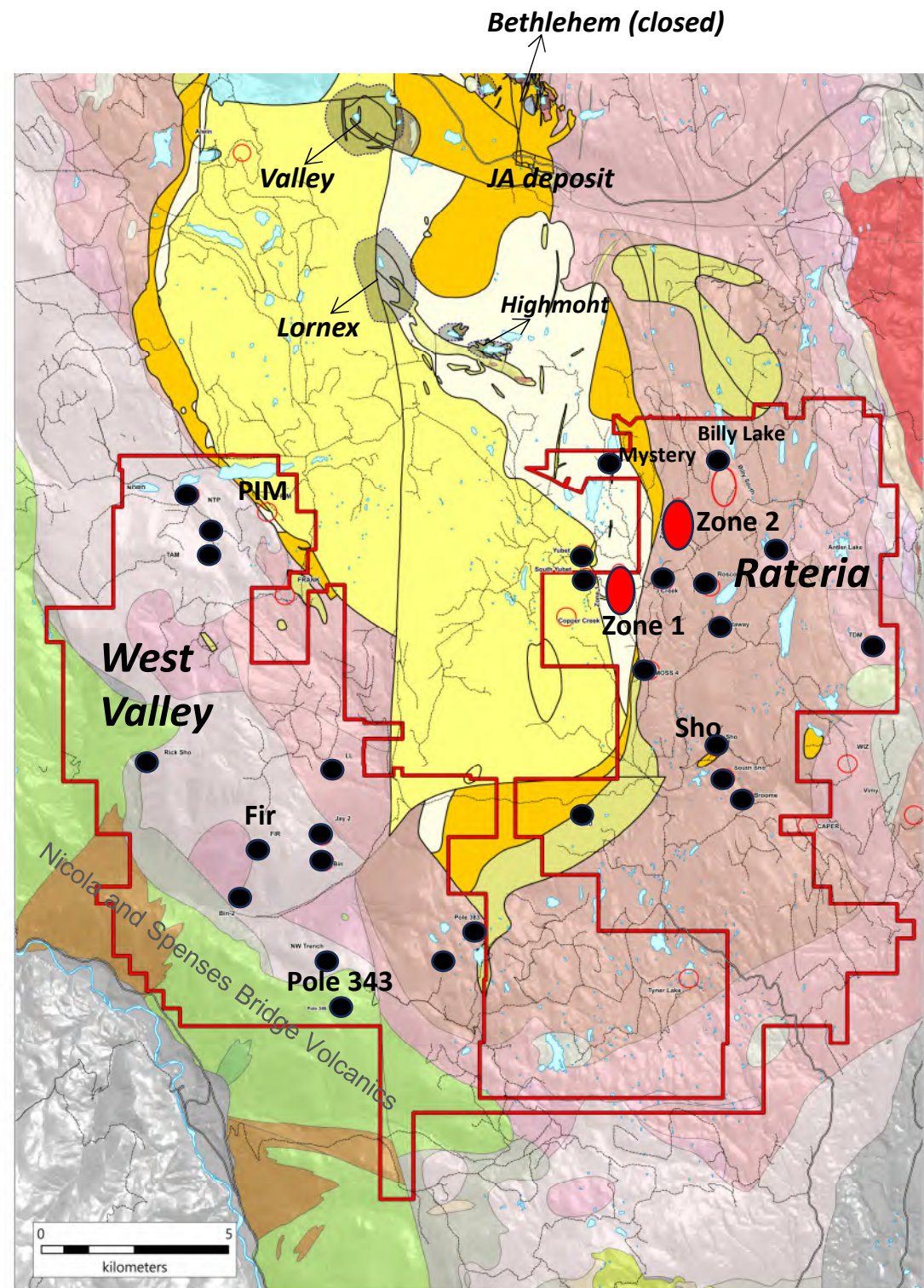
Byrne, K., Lesage, G., Gleeson, S.A. and Lee, R.G. (2017): Geoscience BC, Report 2017-1, p. 213–222

Highland Valley Geology

Concentrically zoned, multi-phase
Guichon Creek batholith (GCB)



- Porphyry copper deposits associated with:
 - Bethlehem phase
 - Bethsaida-post Bethsaida phase
- **Zone 1, Zone 2 deposits**
- Many other copper prospects ●
- Glacial till cover requires geochemical, geophysical surveys and maximizing information from bedrock (outcrop and drill holes) to generate new targets
- Recent logging has revealed new outcrops
- Prospecting has located at least 10 new copper showings
- Potential for discovery of new porphyry copper deposits

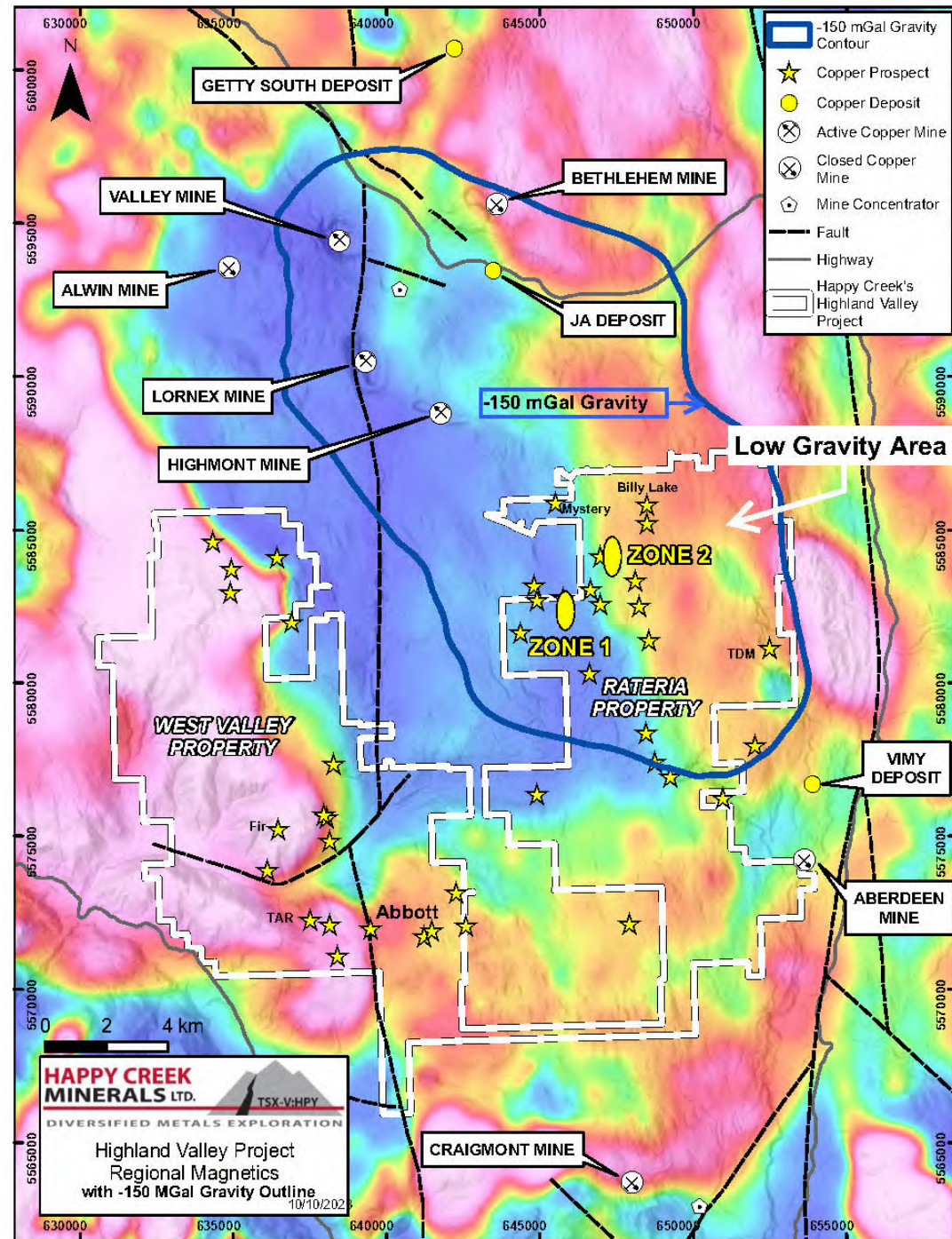


Highland Valley Regional Geophysics



Major deposits are associated with:

- Gravity low (blue outline)
- Magnetic low (blue fill) in or adjacent
- Electrically conductive to resistive rock
- Weak Induced Polarization (IP) chargeability



Zone 1 Cu-Ag Deposit

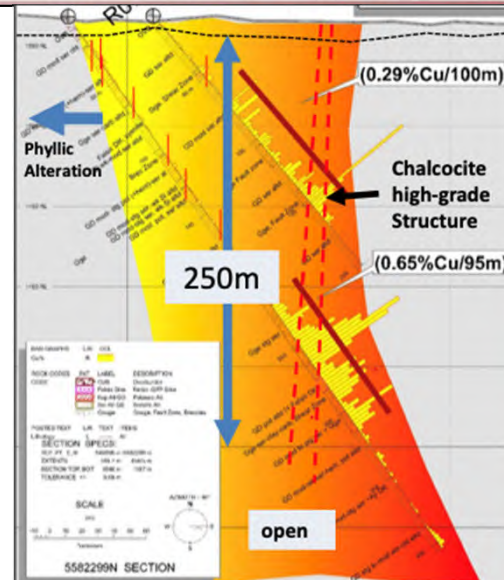
1200 m long, 50-150 m wide, 350 m deep (open)



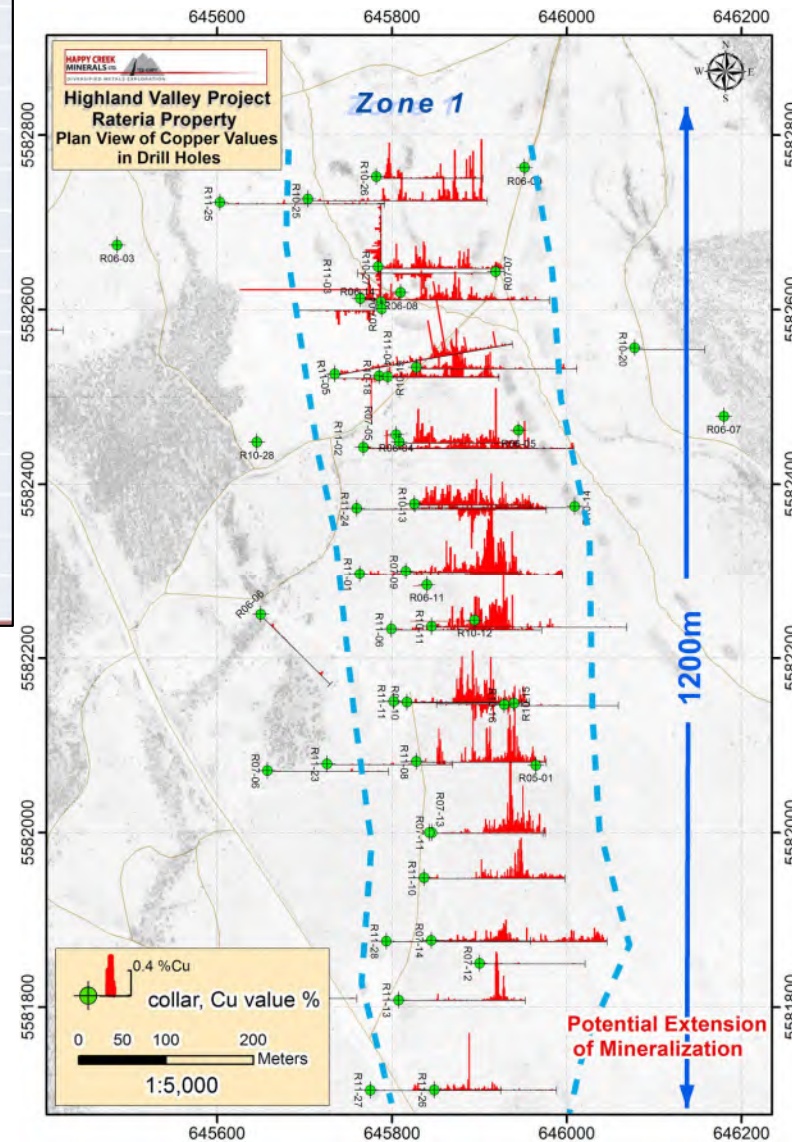
- 2006 discovery by Happy Creek
- Skeena phase cut by feldspar porphyry dikes
- Dominant chalcocite-bornite copper minerals
- Includes: 0.65% Cu / 95 m
- Open to south and to depth
- May be parallel zones nearby
- First phase metallurgical tests indicate potential for high recovery, clean concentrate with 39.6% copper 398.6 g/t silver



Some DDH Highlights			
Hole	Interval (metres)	Cu %	Ag g/t
R07-9	100.0	0.29	1.0
R07-13	189.3	0.22	1.3
R10-12	236.2	0.27	1.0
R10-13	145.3	0.25	1.3
R10-18	250.6	0.18	1.3
R10-25	77.5	0.31	3.3
R11-1	95.0	0.65	3.6
R11-2	157.5	0.19	1.1
R11-3	257.8	0.15	1.3
R11-6	100.0	0.35	2.2
R11-8	250.0	0.25	1.6
R11-11	242.5	0.25	1.6
includes	102.5	0.43	2.9



Cross-Section Looking North

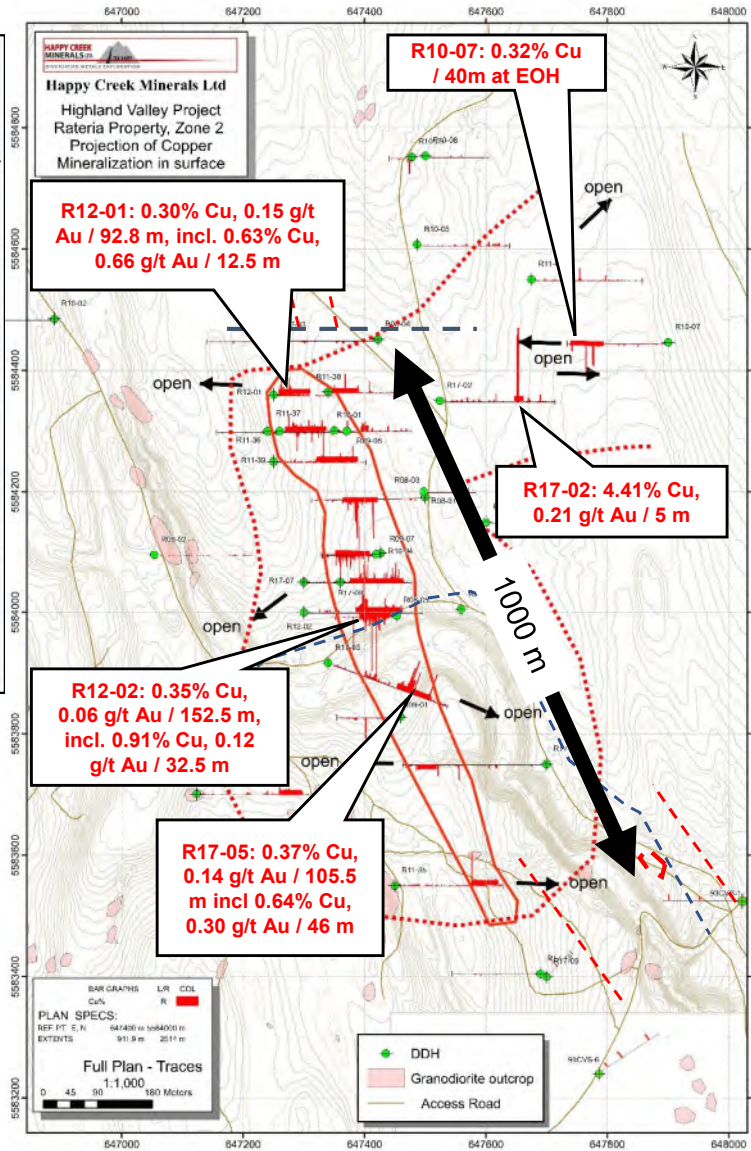


Zone 2 Cu-Mo-Au-Ag-Re Deposit

1000m x 50-150m x 350m deep (open)



ZONE 2 DDH Highlights						
Zone 2 Hole	Interval (m)	Cu %	Ag g/t	Mo %	Au g/t	Re g/t
R08-01	113.0	0.33	1.48	0.002	0.05	N/A
R08-05	126.0	0.46	1.71	0.008	0.10	N/A
R09-06	92.4	0.12	1.23	0.011		0.76
includes	20.2	0.18	0.80	0.048	0.04	3.45
R09-07	48.0	0.30	1.60	0.002	0.07	0.26
R12-01	92.81	0.30	1.50	0.005	0.15	0.02
includes	12.5	0.63	3.2	0.001	0.66	0.01
R12-02	152.5	0.35	1.70	0.004	0.06	0.57
includes	32.5	0.91	4.0	0.011	0.12	1.83
R17-02	5.0	4.41	20.0	0.031	0.21	6.86
R17-05	105.5	0.37	1.90	0.005	0.14	0.63
R17-08	82.5	0.29	1.25	0.003	0.06	0.17
and	66.0	0.35	1.64	0.002	0.02	0.23



2008 discovery by Happy Creek

- Copper with locally anomalous gold, silver and moly and rhenium (Re)
- High-grade zones, e.g.:
 - 4.41% Cu, 0.21 g/t Au / 5 m
 - 0.63% Cu, 0.66 g/t Au / 12.5 m
 - 0.64% Cu, 0.30 g/t Au / 46 m
- Host is Chataway with Bethlehem dikes
- Bornite and chalcocite mineralization; low in pyrite
- New undrilled targets nearby

-> Rhenium (Re) enrichment is significant (appx \$5-10/gm). Goes into the moly concentrate, calculated 4-7kg Re/tonne of moly concentrate

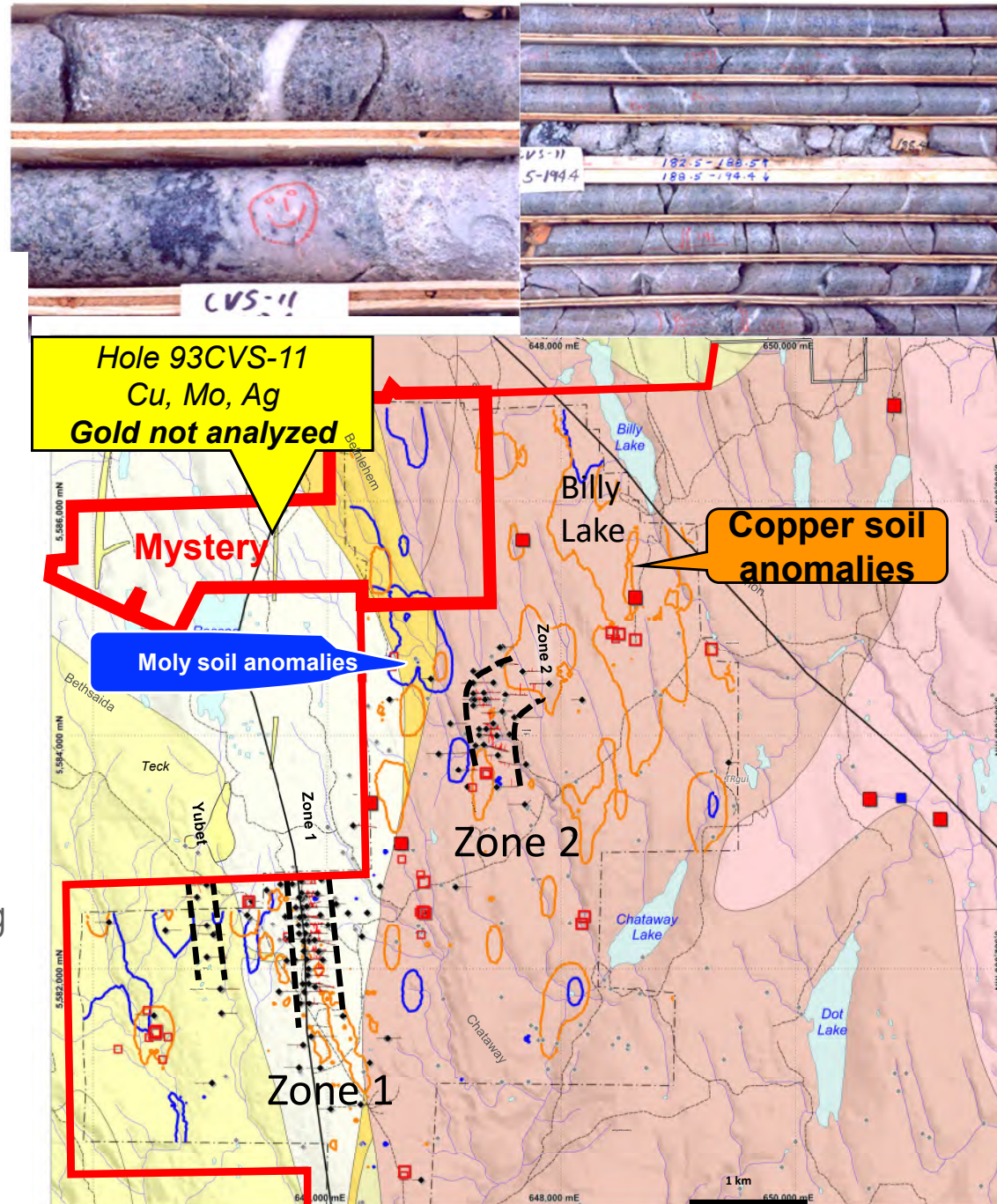
2022 Mystery Property Addition to the Rateria Property

438 ha property, underlain by favorable geology, large scale alteration and copper-moly in drill holes

3 core holes by Hudson Bay Mining Company in 1993 ¹



- **93CVS-11**: 230 m of sericite and k-spar alteration, with quartz veins, bornite-chalcocite.
- Only 148m of the 300m hole sampled
- Gold not analyzed
- Long intervals of anomalous copper and moly values
- Selected intervals sampled include:
 - 25m @ 0.17%Cu, 0.009%Mo
 - 21 m @ 0.07% Cu at EOH (open)
- Local high grade 3 m @ 1.36% Cu, 11.8 g/t Ag
- Last sample: 3m @ 0.07% Cu, 0.0025% Mo
- Mineralization in the hole is open



Geochemical till sampling

Helping to generate new targets

Large, new Cu, Mo anomalies

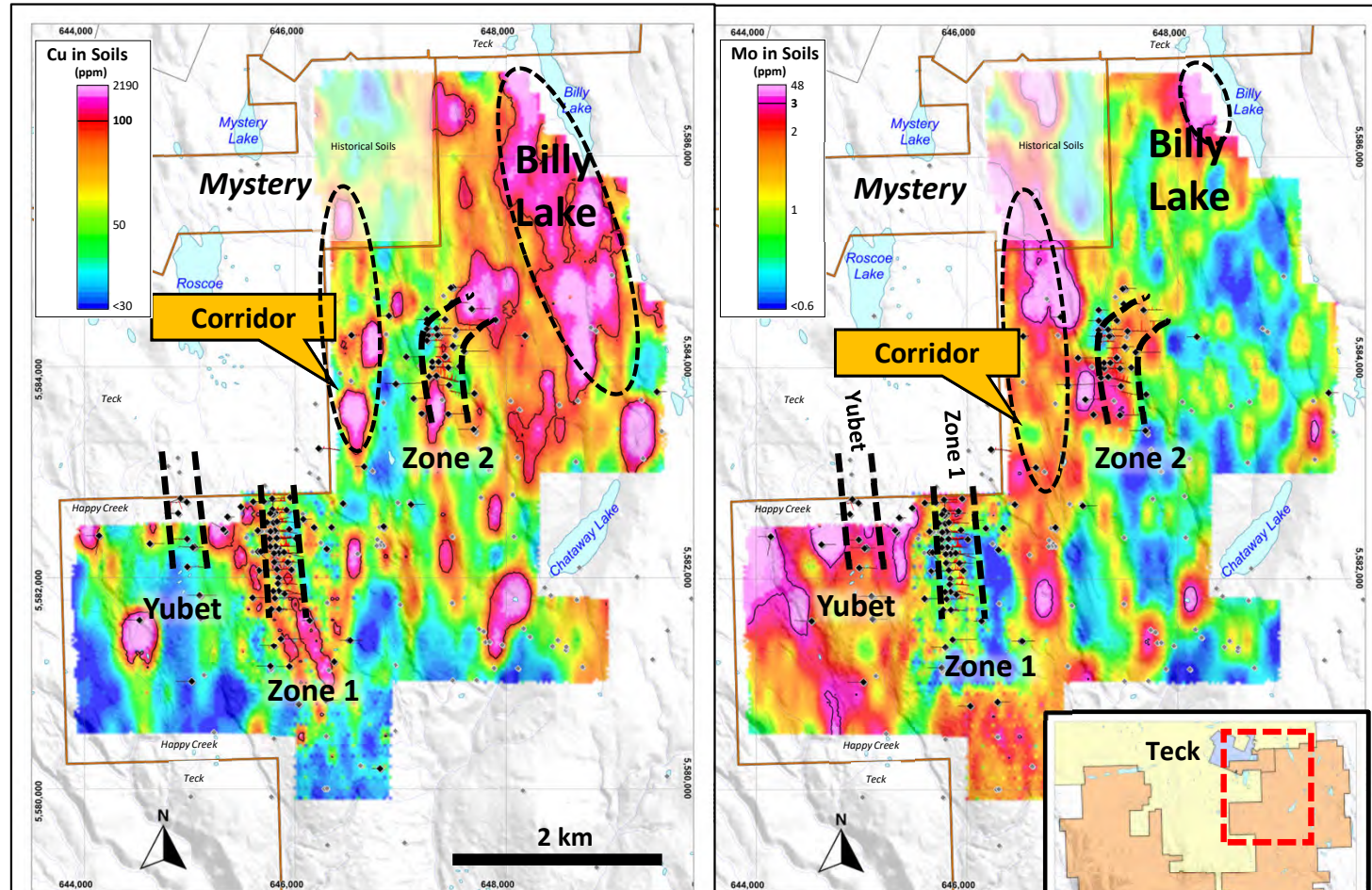
New Billy Lake Area

Cu-Mo anomaly is 3500 x 1000 m

Outcrops with copper suggest anomaly is in-situ

Copper in Soils

Molybdenum in Soils



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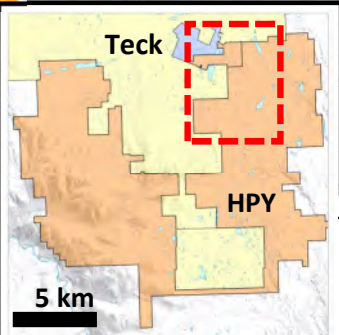


Highland Valley Project

2021 Rateria Cu and Mo in Soils

February, 2022

British Columbia, Canada



Geology & Prospecting adds and develops targets

Outcrops with copper found in soil anomalies

Billy Lake 1.45% Cu, 0.17 g/t Au

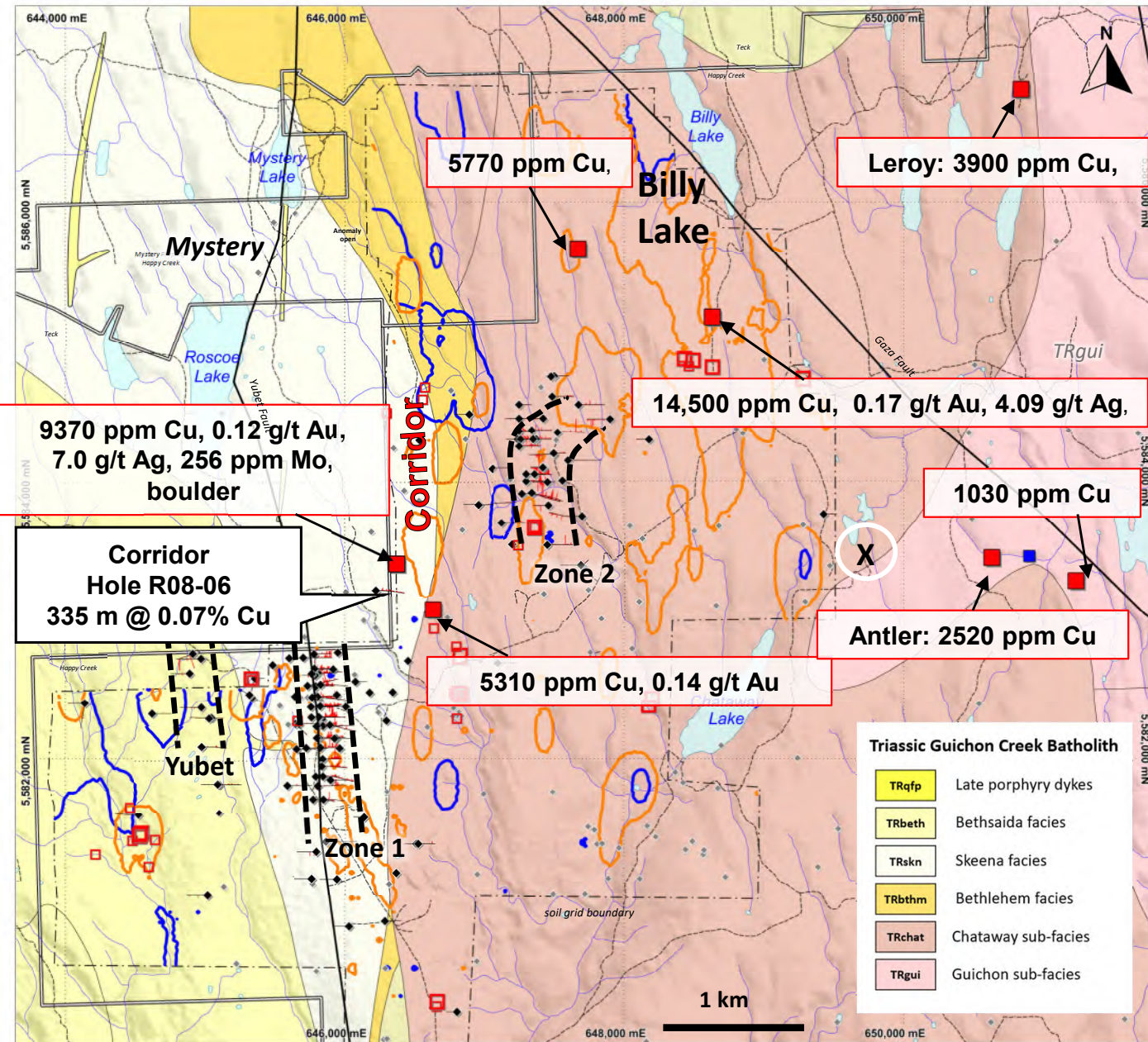
Corridor: 0.93% Cu, 0.12 g/t Au and 0.53% Cu, 0.14 g/t Au

Others from 0.1% to 0.58% Cu

X Historical research: DDH1972-2

with 4.7m 0.17% Cu, 0.08% Mo¹

Outcrop/Subcrop samples are grabs. Some angular boulders may not represent local mineralization.²

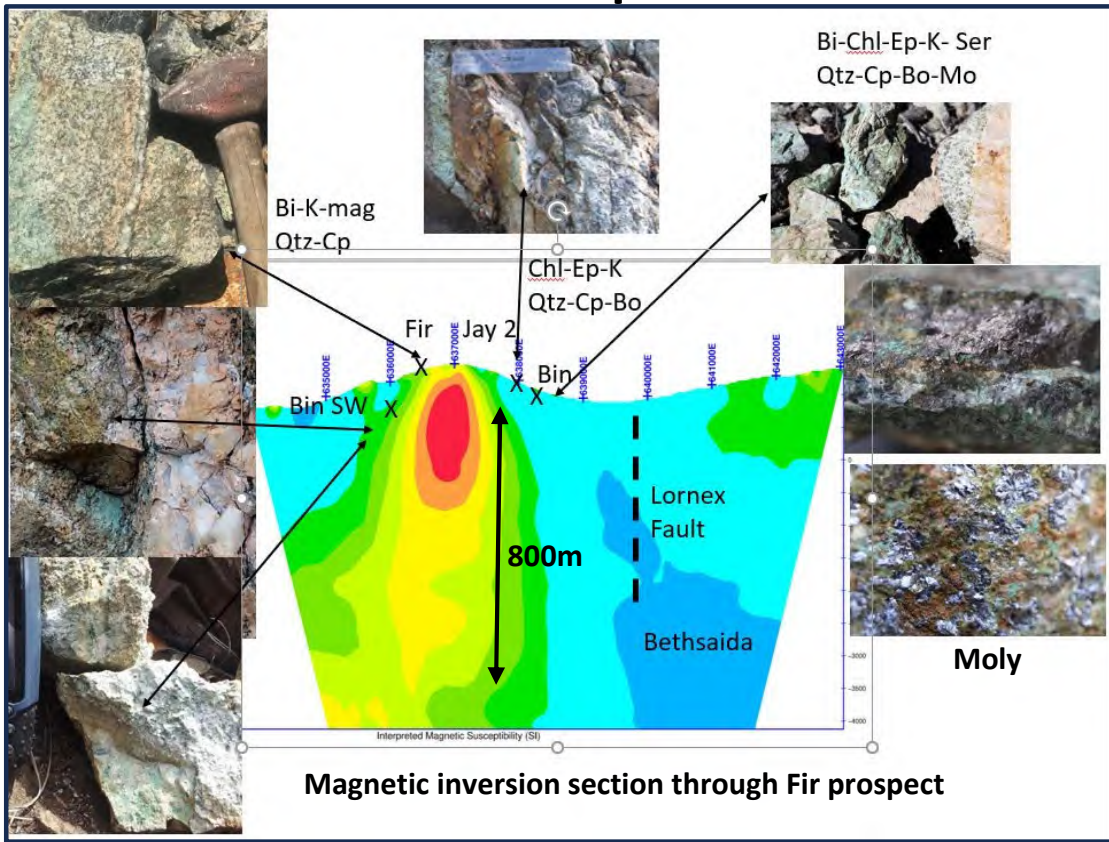


West Valley 100Km²

Much less explored than Rateria- only a few drill holes
 New access, new copper showings, modern geophysics

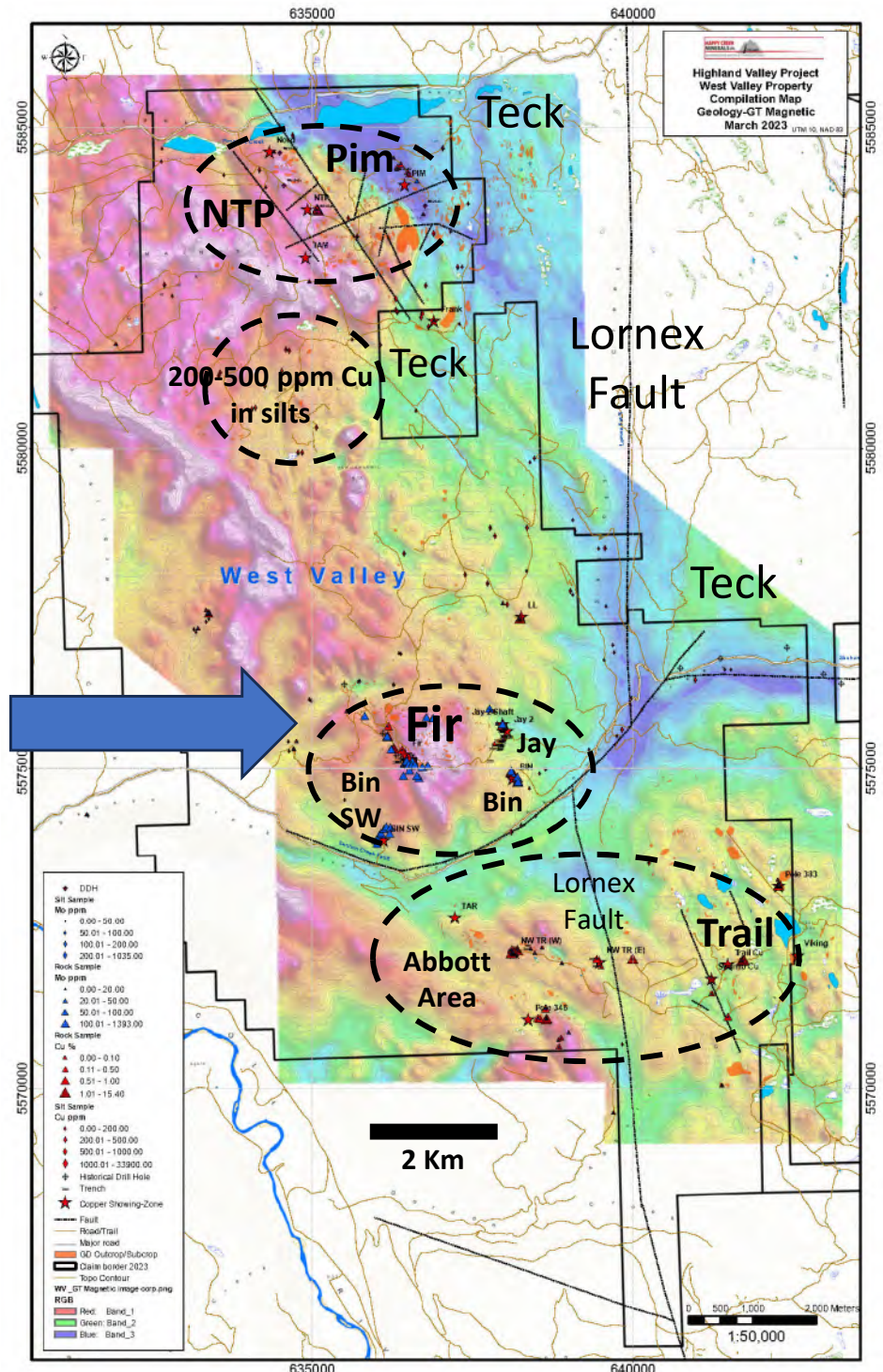
Creating more copper targets

Fir Prospect



Magnetic inversion section through Fir prospect

Chalcopyrite, molybdenite, quartz veins,
 k-feldspar, chlorite-epidote, sericite +/- clay alteration





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Cariboo Project

Cariboo Region Projects

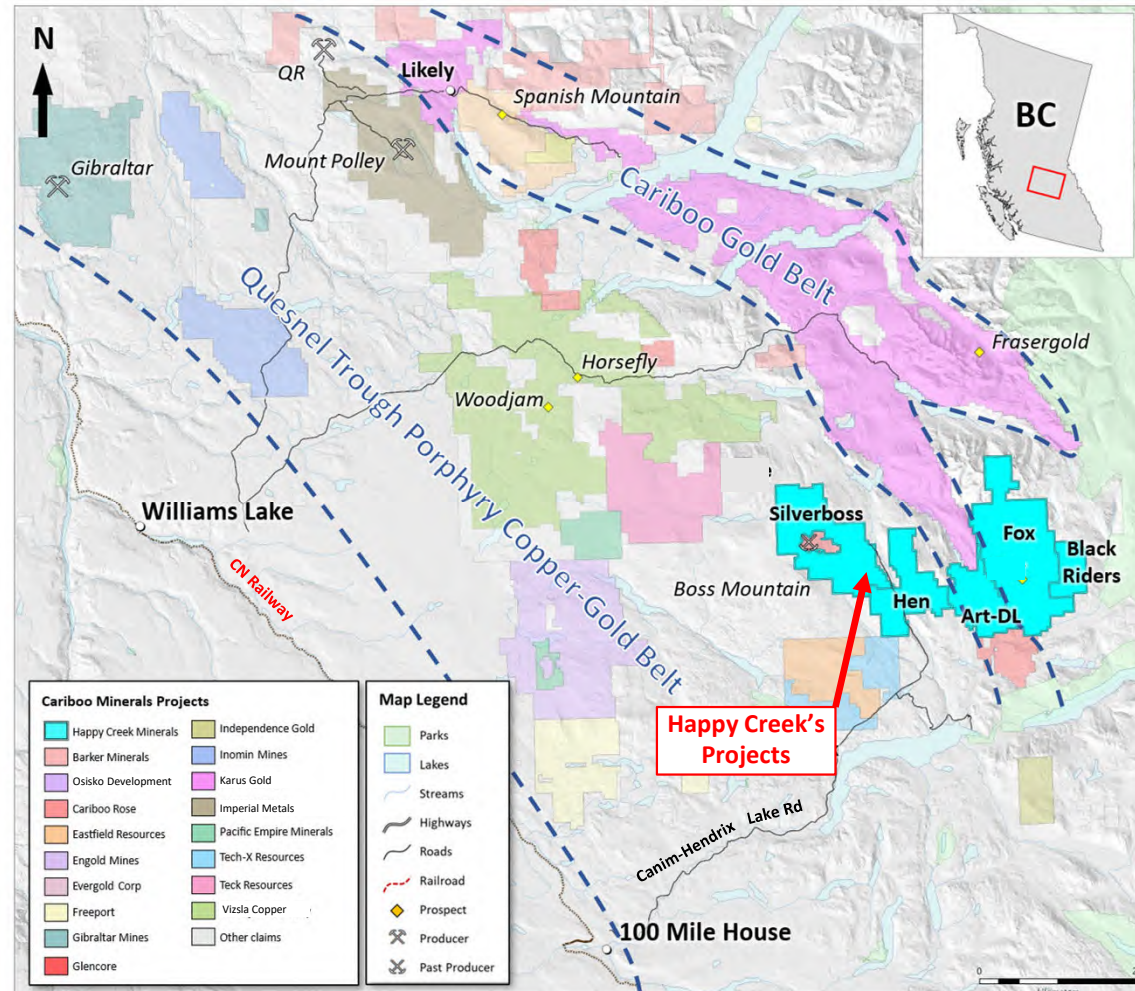
100%-owned projects with new discoveries of tungsten, copper, molybdenum, gold, silver



- Superb infrastructure
- Supportive resource communities
- Large contiguous property covers:
 - Fox tungsten- molybdenum
 - Art-DL gold-silver
 - Silverboss and Hen gold and copper-molybdenum

Cariboo mining district includes:

- Gibraltar copper-molybdenum mine
- Mount Polley copper-gold mine
- Cariboo and QR gold mines
- Boss Mountain molybdenum mine (closed)
- Frasersgold and Spanish Mountain gold projects
- Woodjam copper-gold project
- Famous Cariboo placer gold fields



Fox Tungsten

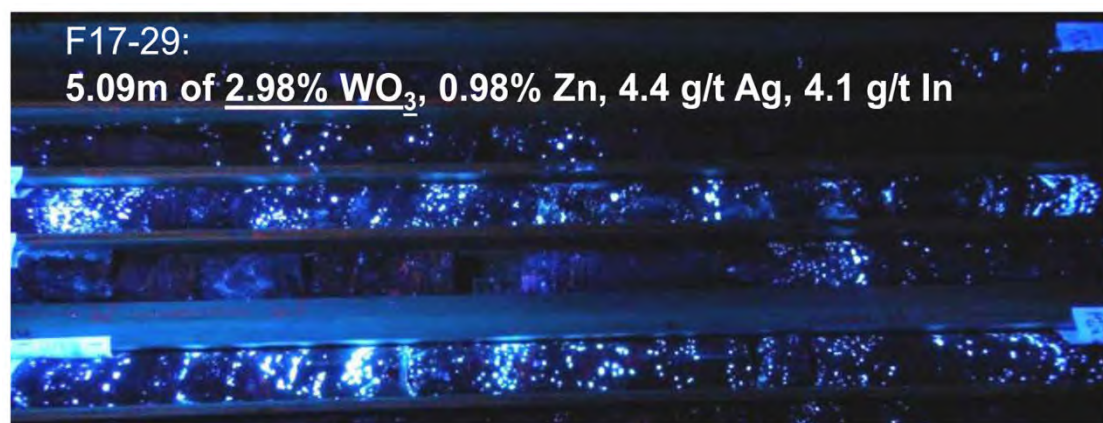
Happy Creek discovery with exceptional grade on a global basis



- 100% control of entire 10 km-long district
- Road access
- One of the world's highest grade tungsten resources:
 - 582,400 t @ 0.826% WO_3 (indicated)
 - 565,400 t @ 1.231% WO_3 (inferred)¹
- Tungsten is deemed a **strategic & critical** element due to supply and geopolitical risk. Market dominated by China (85%). No active mines in North America
- 5-year permit for 670 drill pads and trails



Drilling at Fox - RC Zone



Fox - BN Zone high-grade scheelite in drill core (under UV light)

¹Reference: NI 43-101 Resource Update, Deusatels and Berndt, April 9, 2018

Fox Tungsten

Top Tier Resource Grade- Open for Expansion



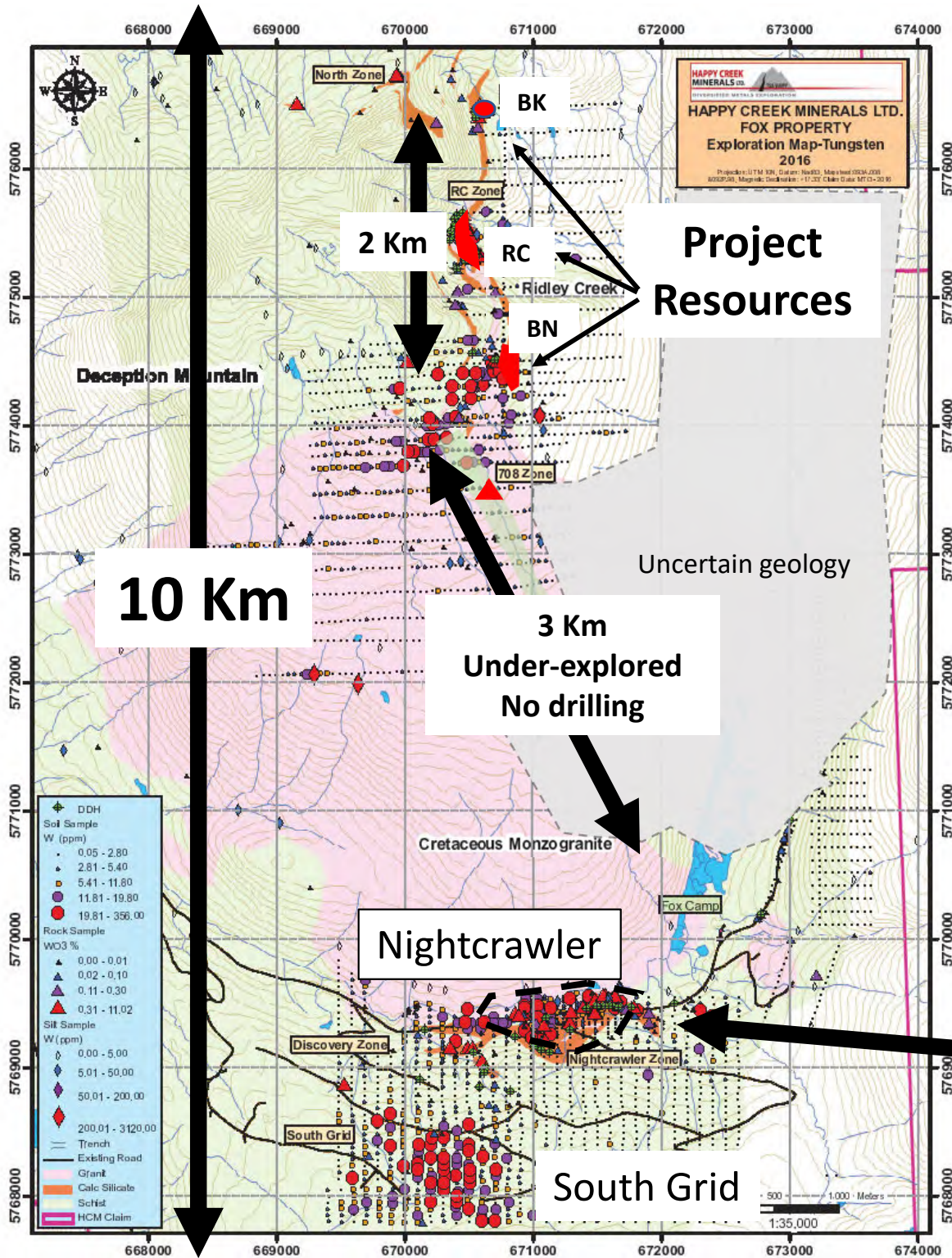
ZONE	CLASSIFICATION ¹	Cut-off WO ₃ (%)	Tonnes (t)	WO ₃ (%)	WO ₃ MTU ²	WO ₃ (kg) Contained
Ridley Creek	Indicated in-pit	>0.175	397,400	0.713	283,400	2,834,000
Ridley Creek	Indicated - underground	>0.45	185,000	1.067	197,100	1,971,000
Ridley Creek zone	Indicated total		582,400	0.826	480,500	4,805,000
Ridley Creek	Inferred in-pit	>0.175	14,700	0.662	9,700	97,000
Ridley Creek	Inferred - underground	>0.45	76,800	0.961	73,800	738,000
BN	Inferred - underground	>0.45	453,000	1.321	598,300	5,983,000
BK	Inferred in-pit	>0.175	20,900	0.672	14,000	140,000
Ridley Creek, BN, BK	Inferred total		565,400	1.231	695,800	6,958,000

¹Reference: NI 43-101 Resource Update, Deusatels and Berndt, April 9, 2018

²MTU is a "Metric Tonne Unit" which is 10 kg of contained WO₃

Fox Tungsten

A 10km mineral system



Project Resources

10 Km

2 Km

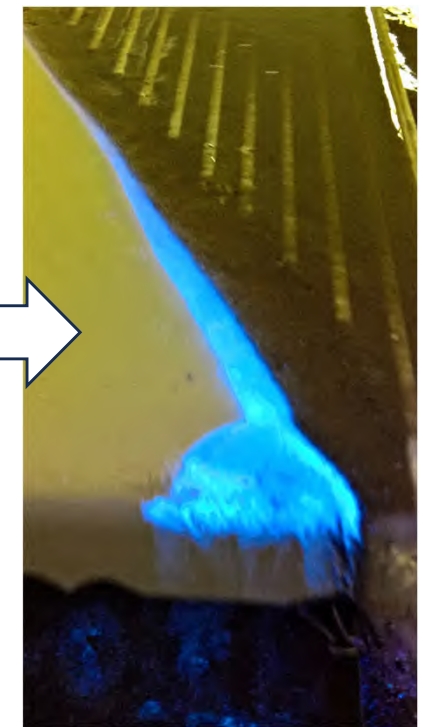
3 Km Under-explored No drilling

Nightcrawler

South Grid



Scheelite in Fox drill core (Ultra-violet light)



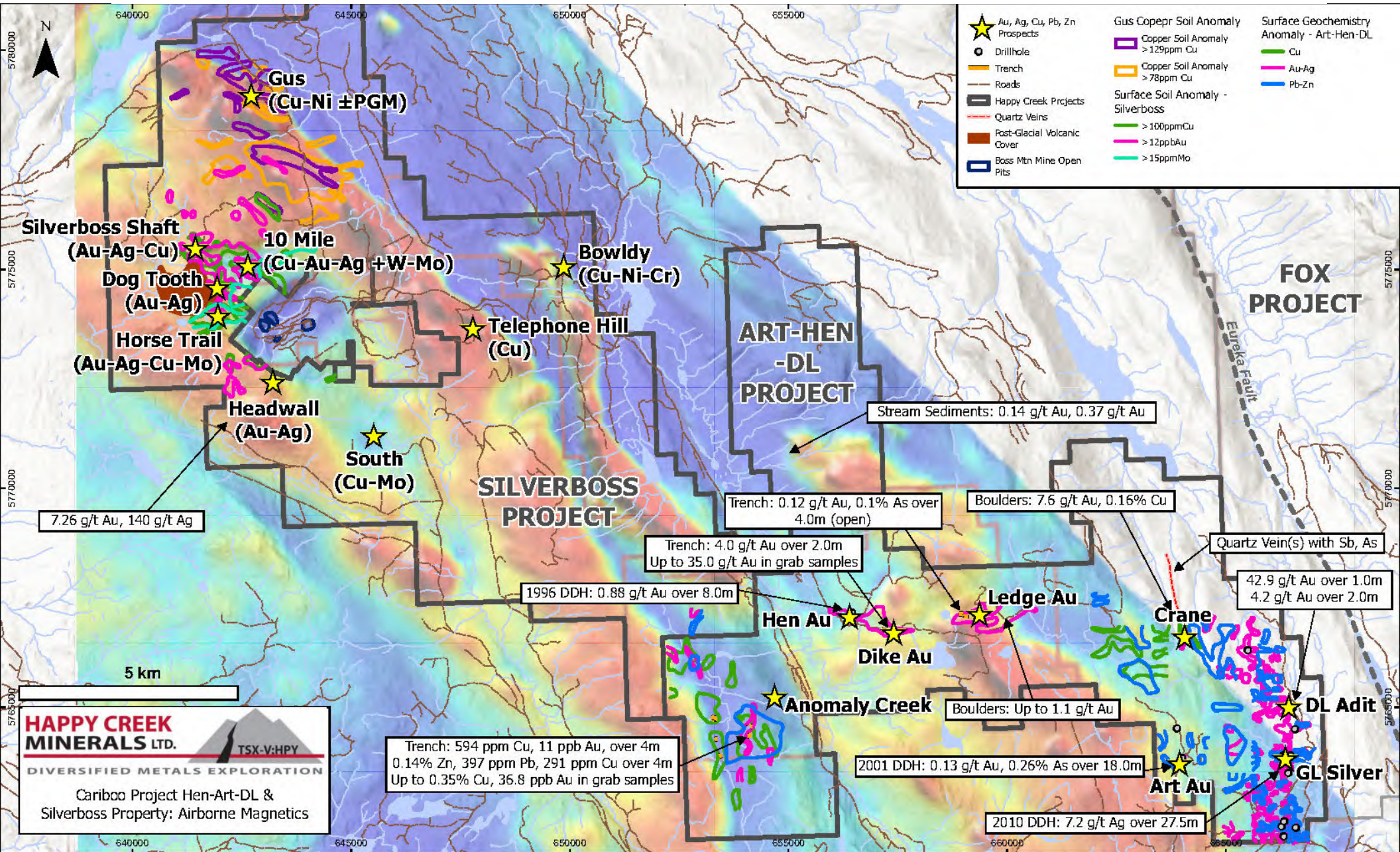
Simple gravity concentration using low-cost tables

Nightcrawler & South Grid	
5.0m	1.0% WO ₃
1.2m	2.12% WO ₃
3.4m	1.08 % WO ₃
6.0m	0.43% WO ₃
5.0m	0.33% WO ₃

Getting closer to resource stage

Cariboo Project

Silverboss, Hen, Art-DL Regional Magnetics and Prospects



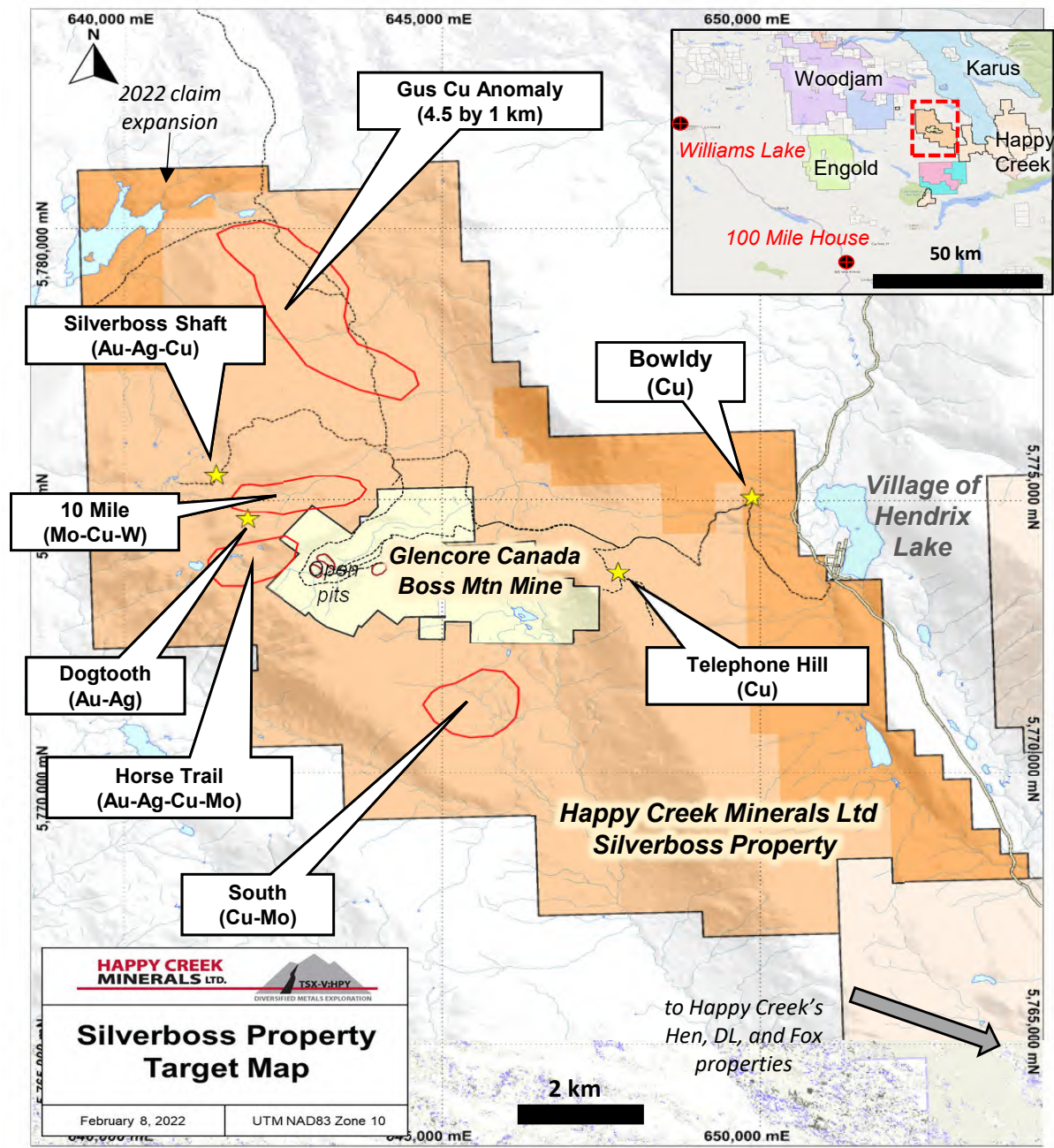
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 DIVERSIFIED METALS EXPLORATION
 Cariboo Project Hen-Art-DL & Silverboss Property: Airborne Magnetics

Silverboss Project

Copper, Molybdenum, Gold, Silver



- Drill-ready project surrounding brownfield molybdenum mine site
- Numerous targets with only 5 historic holes
- Silverboss Shaft, Dogtooth and Horse Trail: high-grade gold-silver with copper
- Gus: >4.5 km long copper soil anomaly (open) with local values of silver, palladium & nickel
- 10 Mile Creek molybdenum target: +3 km-long tungsten-molybdenum soil anomaly adjacent to the high-grade Boss Mountain mine deposits
- 5-year permit for 30 drill pads



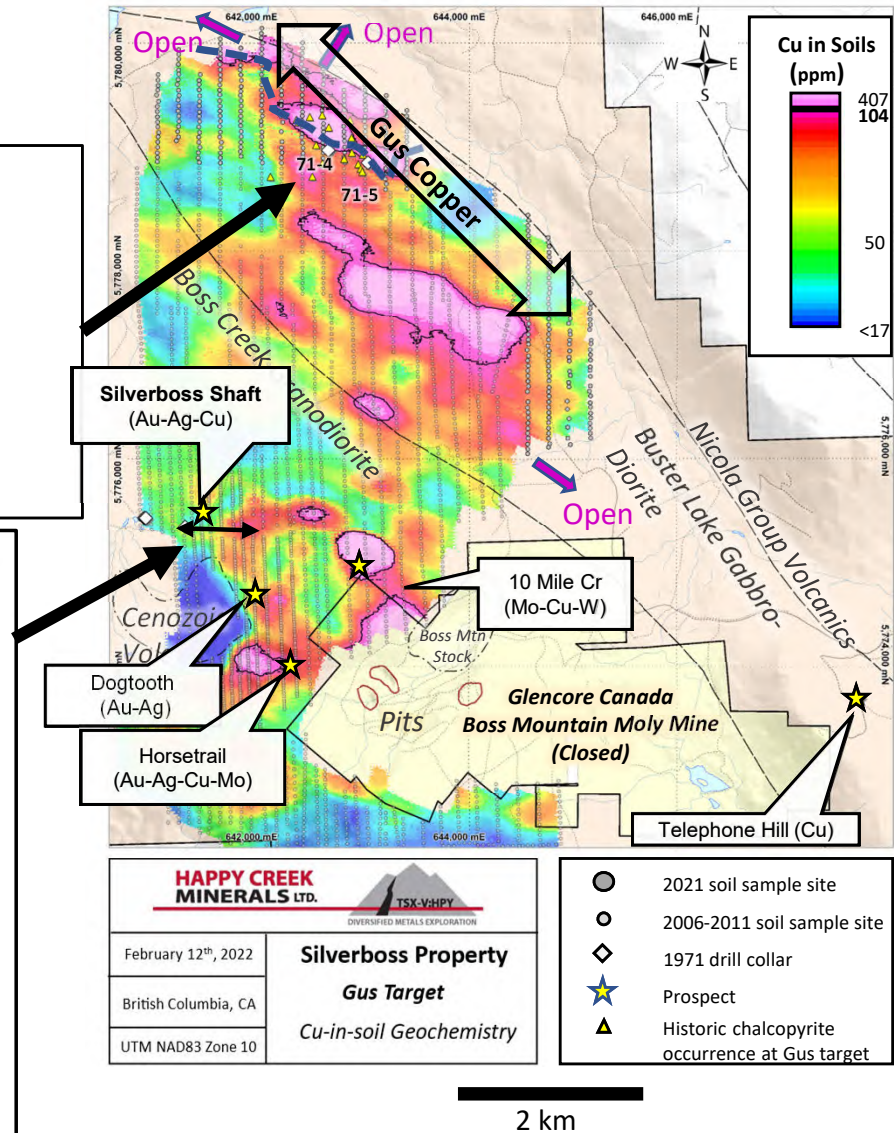
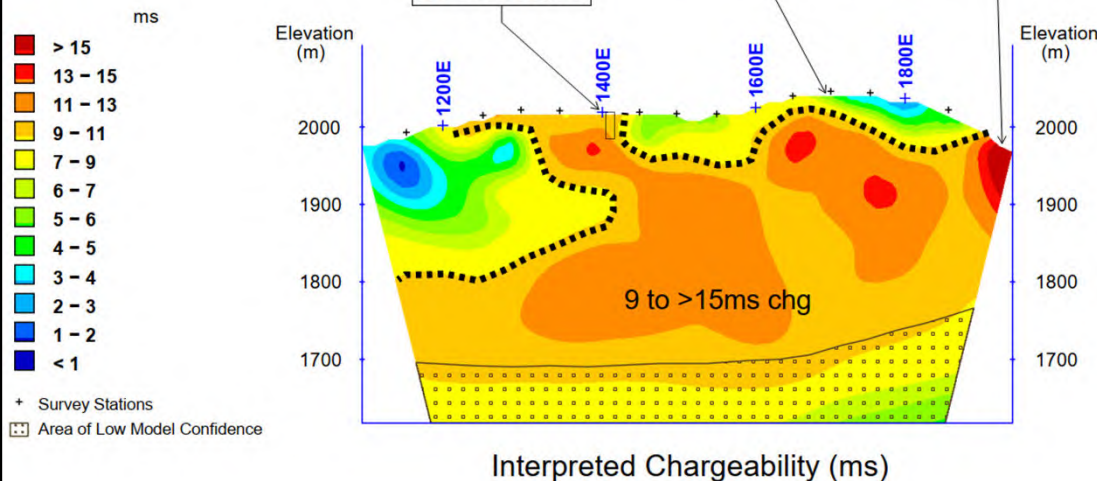
Silverboss:

Copper, silver, gold targets adjacent the Boss Mountain moly mine



- Gus copper-in-soil anomaly expanded to over 4 km in length in 2021, and open
- Newly recognized soil values for palladium (to 22 ppb), silver (to 4.9 ppm) and nickel (to 137 ppm)
- Hosted by Jurassic gabbro (Takomkane batholith)
- Two historic vertical drill holes (1971) located beside the soil anomaly—but no assays available.

Shaft Target



HAPPY CREEK MINERALS LTD. <small>DIVERSIFIED METALS EXPLORATION</small>		 TSX-V:HPY
February 12 th , 2022	Silverboss Property Gus Target Cu-in-soil Geochemistry	
British Columbia, CA		
UTM NAD83 Zone 10		

○	2021 soil sample site
○	2006-2011 soil sample site
◇	1971 drill collar
★	Prospect
▲	Historic chalcopryrite occurrence at Gus target

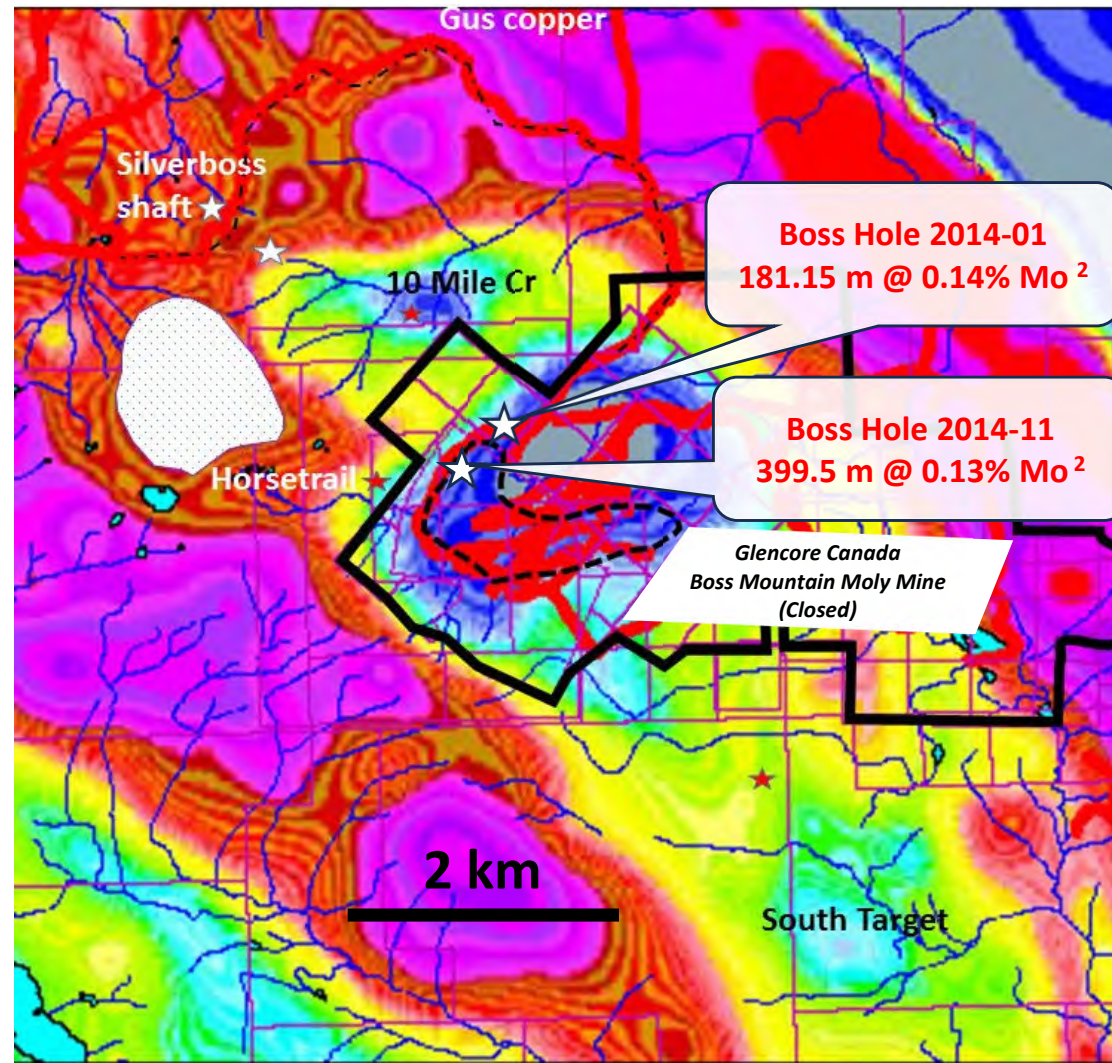
Silverboss: copper-molybdenum

Magnetic Low (Blue) defines alteration associated with moly mineralization at the Boss mine

Happy Creek has similar targets untested by drilling¹



- Boss Mountain molybdenum mine was Canada's first and highest-grade molybdenum mine
- (7.59 mt @ 0.205% Mo recovered from open pits and underground from 1965-1983) ¹
- Two 2014 holes on Boss Mine site cut exceptional molybdenum grades within 300 m of Happy Creek claim boundary ^{2,3}
- The deposits are open :
 - to the north: 10 Mile Creek Target
 - To the west: Horsetrail Target
 - South Target
 - Untested by drilling



See Forward Looking Statements :

¹BC MINFILE

²BC Assessment Report #35522

^{2,3} Happy Creek cautions that mineralization hosted on adjacent or nearby properties is not necessarily indicative of the mineralization hosted on its properties

Plans for 2024 and beyond



- Raise capital or bring in partners to advance key projects
- Highland Valley Project: Potential for large new porphyry copper discoveries
 - Drill permits with archeology clearances in place
 - Additional refinement of current drill targets
 - Continue generating new targets with prospecting, geological, geochemical, geophysical work
 - Large scale drill program to discover one or more large new porphyry deposits
- Fox Tungsten Project:
 - Plans and Permit in place for moderate to large-scale drill program to expand high-grade resources and generate a PEA.
 - Continue geology, prospecting in new areas- more to discover
- Silverboss Project:
 - Permits received for trenching and drilling at high-grade Silverboss Shaft Cu-Au-Ag, Dogtooth Au-Ag, 10 Mile Creek W-Mo-Au-Ag, South target
 - Refine Gus Cu-Pd-Ag-Ni target with geophysics to define precise drill locations

Summary

- Proven, invested team with record of successful discovery, development and mining
- Multiple opportunities to create value, with permits in place for drill programs on 100%-held projects
- Large deposit potential in established mining districts:
- Highland Valley District – elephant country copper, molybdenum
- Fox Tungsten: Globally significant opportunity of a critical metal
- Silverboss: Copper, Molybdenum, Gold, Silver targets adjacent a past producer



Thank you

For more information please contact:

Jason Bahnsen, President and CEO

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www.happycreekminerals.com

