



November 2024

Company Update

ASX:LAT



Disclaimer

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Competent Person's Statement

The information in this report that relates to Exploration Results is based on and fairly represents information and supporting documentation compiled by Mr Toby Wellman who is a Member of The Australasian Institute of Mining and Metallurgy and who has sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (the "JORC Code"). Mr Wellman is an Executive Director of the Company and consents to the inclusion in the report of the Exploration Results in the form and context in which they appear.

Exploration Targets

This presentation may comment on and discuss the Company's exploration in terms of target size and type. The information relating to Exploration Targets should not be misunderstood or misconstrued as an estimate of Mineral Resources or Ore Reserves. The potential quantity and quality of material discussed as Exploration Targets is conceptual in nature since there has been insufficient work completed to define them as Mineral Resources or Ore Reserves. It is uncertain if further exploration work will result in the determination of a Mineral Resource or Ore Reserve.



Diversified precious and critical minerals company

With 6 development and exploration projects providing exposure to gold and critical minerals in safe mining jurisdictions in Finland and Australia



Gold & Cobalt Project - Finland

KSB Project includes an existing high-grade gold-cobalt mineral resource with over 85% at Indicated level

650,000oz Au (2.7g/t) and 5,800t Co (0.08%)¹



Targeting Net Zero

Supported by Finland's commitment to 2035 net zero, one of the most ambitious targets globally

Over 90% of energy production from Finland non-fossil (March 2024)²



Advancing towards Development

Metallurgical results using conventional methods support high recoveries

Advanced engineering on mine design and flow sheet completed



Near Term resource growth

Huge resource growth potential with multiple prospects across camp scale tenure

Resource deposits all open at depth and along strike



Copper Joint Venture – Australia

17.5% free-carried interest in Carnaby Resources' (ASX.CNB) Greater Duchess Project

(1) Refer to Prospectus announced by DCX on 26/4/2024
(2) Refer proposed Critical Raw Materials Act



Balanced portfolio in Tier 1 jurisdictions

Exposure to Gold and Critical Minerals in two of the best mining jurisdictions

KSB

- JORC Mineral Resource:
 - **650koz Au & 5,840t Co¹**
- Camp scale potential with significant exploration upside
 - **K9: 13.45m @ 6.25g/t Au & 0.18% Co¹**
 - **K8: 10.25m @ 4.84g/t Au & 0.04% Co¹**
- Development opportunity with significant metallurgical and engineering work completed
- Third largest undeveloped Cobalt resource in European Union³

PSB

- Analogous to KSB geology
- Surrounded by active major miners
- Significant gold & copper prospects to follow up

Kola / Kolari

- Numerous gold prospects defined



Greater Duchess JV

- 17.5% free-carried interest
- Copper mineral resources in the Mt Isa Copper district with development potential
- Maiden Indicated and Inferred Mineral Resource of 142,300CuEq tonnes² (LAT share 25,000 CuEq tonnes)

Sylvania

- Existing base metals mineral resources
- Significant gold prospects defined

Edjudina

- Along strike from tier 1 gold operations
- Large scale Geochem anomalies up to 544ppb Au³

(1) Refer to Prospectus announced by DCX on 26/4/2024

(2) Refer to DCX announcement dated 21/07/2022 "Infill Surface Sampling upgrades Spartan Anomaly"

(3) Refer to Geological Survey of Finland (2020) – "Quantitative assessment of undiscovered resources in Kuusamo-type Co-Au deposits in Finland" by R. Kalevi, E.Pasi, H. Irmeli, K. Jukka, N. Tero, O. Juhani, T. Tuomo



Corporate Snapshot

LAT

ASX Code

\$13.4m

Market Cap

178m

Shares on Issue

\$10.1m

Enterprise Value

\$0.075

Share Price (20 November)

2.5m

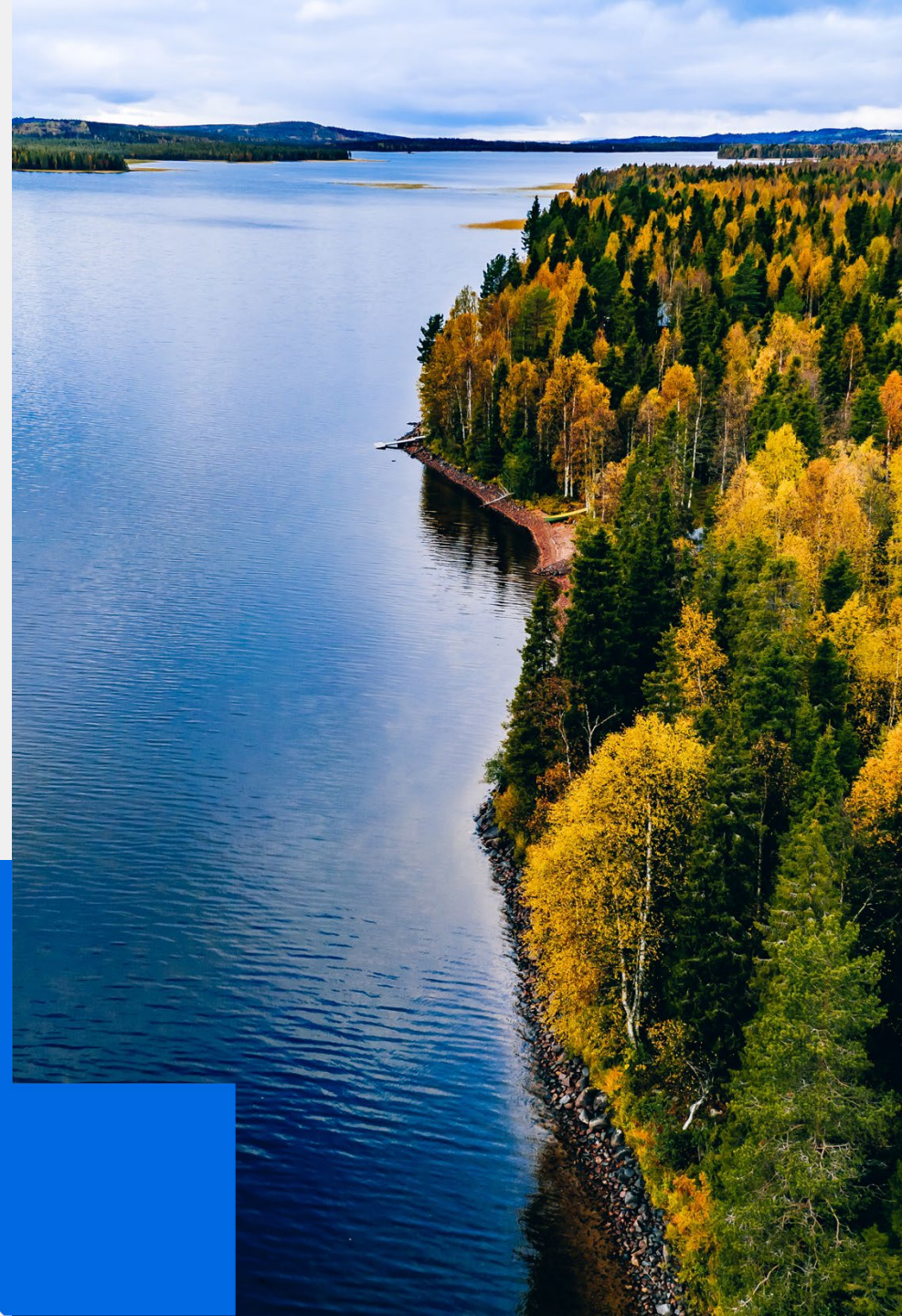
Unlisted Options

\$3.3m

Cash (30 September)

16.5m

Performance Rights



Experienced Board of Directors



Thomas Hoyer
Non-Executive Chairman

Various CEO / Director roles in mineral processing, mining and exploration, funds management, and sustainability consultancy

Former CEO of Afarak Group Oyj (LSE listed), operating mines and smelters in Europe and in Africa

2016 Finnish National Award winner for Cultural Heritage



Grant Coyle
Managing Director

Resource executive with over 15 years' experience in Senior Commercial roles, including Rio Tinto

Extensive experience in financial operations and commercial assessment of development and exploration projects across greenfield and brownfield developments

Previously CFO at ASX-listed mining company



Toby Wellman
Technical Director

Geologist with 23 years global multi-commodity experience across the complete mining cycle including exploration, resource development and mining

Previous roles include Exploration Manager for Mont Royal Resources, Senior Exploration roles at Boliden Minerals and Senior Development/Exploration roles at Doray Minerals



Heath Hellewell
Non-Executive Director

Geologist with over 25 years of exploration experience in gold, base metals and diamond exploration

Previous senior exploration positions with Doray Minerals Limited, Independence Group NL (ASX:IGO), Resolute Mining Limited (ASX: RSG) and DeBeers Australia Pty Ltd.

Currently a Non-Executive Director of Core Lithium Ltd (ASX: CXO) and Duketon Mining Limited (ASX: DKM)



Prof Steffen Hagemann
Non-Executive Director

Prof. Hagemann has been the Director of Geology at Lat66 for 6 years. Mr Hagemann is a Professor for Economic Geology and Director of the Centre for Exploration Targeting at the University of Western Australia

33-year experience in economic geology specialising in the field of structural geology, hydrothermal alteration, and fluid chemistry of mainly gold, iron and copper deposits



Lat66 Quality Project Portfolio

Significant land holding in Northern Finland **4 greenstone belts providing exposure to gold and critical mineral projects**

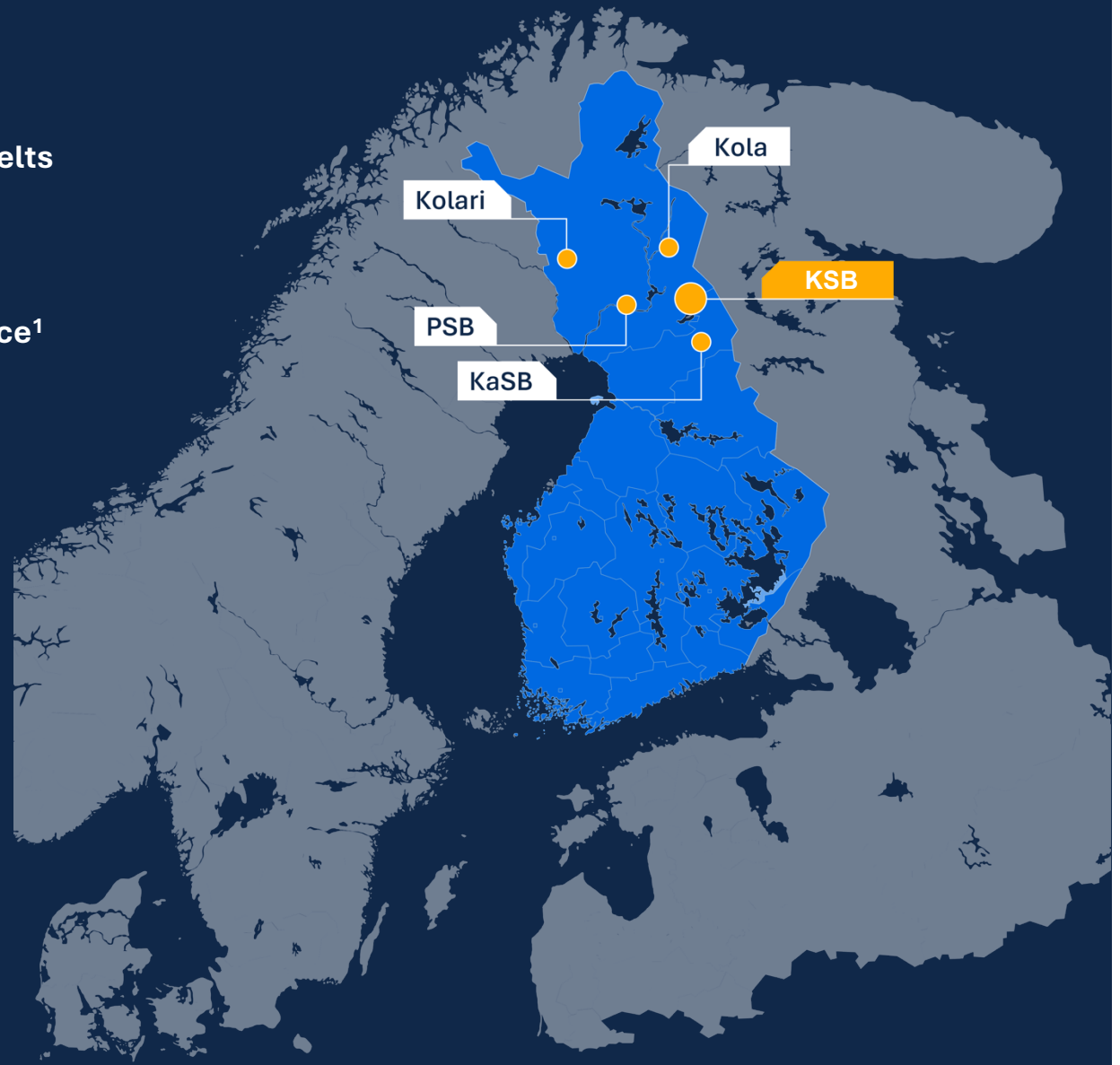
Camp scale potential across the KSB Project with an **existing high-grade gold and cobalt JORC Mineral Resource¹**

Short term focus is on testing highly prospective targets along strike to provide additional resources, with a view of right-sizing the proposed development

Lat66 has an experienced local management team, focused on ensuring quality stakeholder engagement and operational delivery

Development ready with extensive metallurgical and engineering work undertaken to position KSB on the development pathway

Excellent fundamentals in Finland to pursue pathway to **Net Zero Carbon operations**



(1) Refer to Prospectus announced by DCX on 26/4/2024

Positioned to benefit from EU Critical Raw Material Act

Cobalt has been identified as a Strategic Mineral under the EU Critical Raw Material Act

In March 2024, the European Union Council gave its final approval for the Critical Raw Material Act¹

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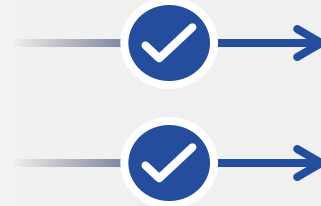


European Critical Raw Materials Act

10% of EU's material consumed to be extracted domestically

Permitting to be streamlined for Strategic Projects to maximum of 27 months

Priority access to EU/government funding for Strategic Projects



Significant supply gap forecasted for EU mined cobalt to meet 10% requirement by 2030²

As Cobalt is a defined Strategic Mineral it may enable cobalt projects to receive Strategic Project status

(1) Strategic autonomy: Council gives its final approval on the critical raw materials act - Consilium.europa.eu
(2) Benchmark Mineral Intelligence – Cobalt Forecast



Finland has the right geology

Gold

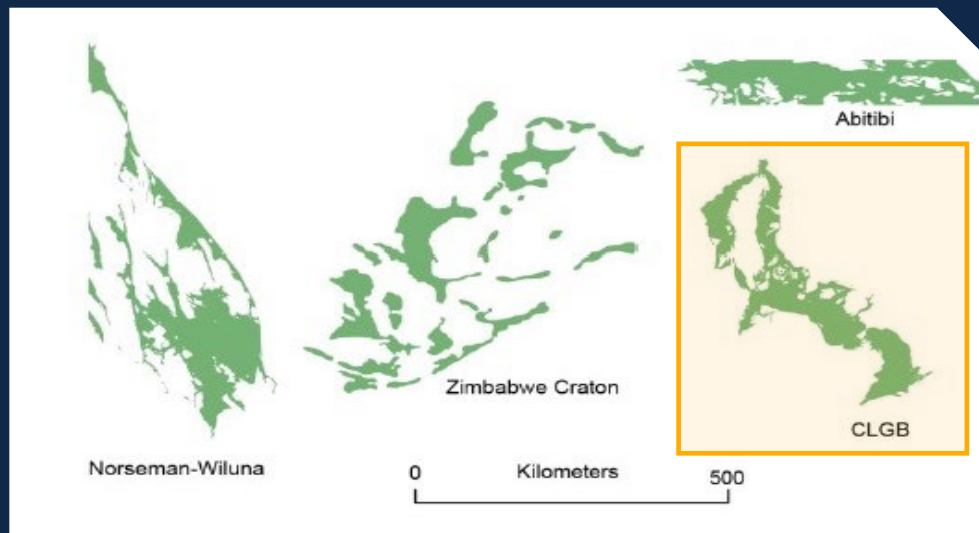
Orogenic gold, IOCG, massive-sulfide hosted gold, paleoplacer mineral systems present

Immature and underexplored greenstone belts – Two world-class deposits discovered to date:

Kitillä (~6.3Moz Au)¹ – Agnico Eagle Mines Limited

Ikkari (~4.2Moz Au)² – Rupert Resources

Comparable to large greenstone belts with significant Gold districts



(1) Previously announced by Agnico Eagle Mines Limited TSX:AEM on 15/2/2024
(2) Previously announced by Rupert Resources Ltd TSX:RUP on 28/11/2023

KSB Project – poised to grow

K North

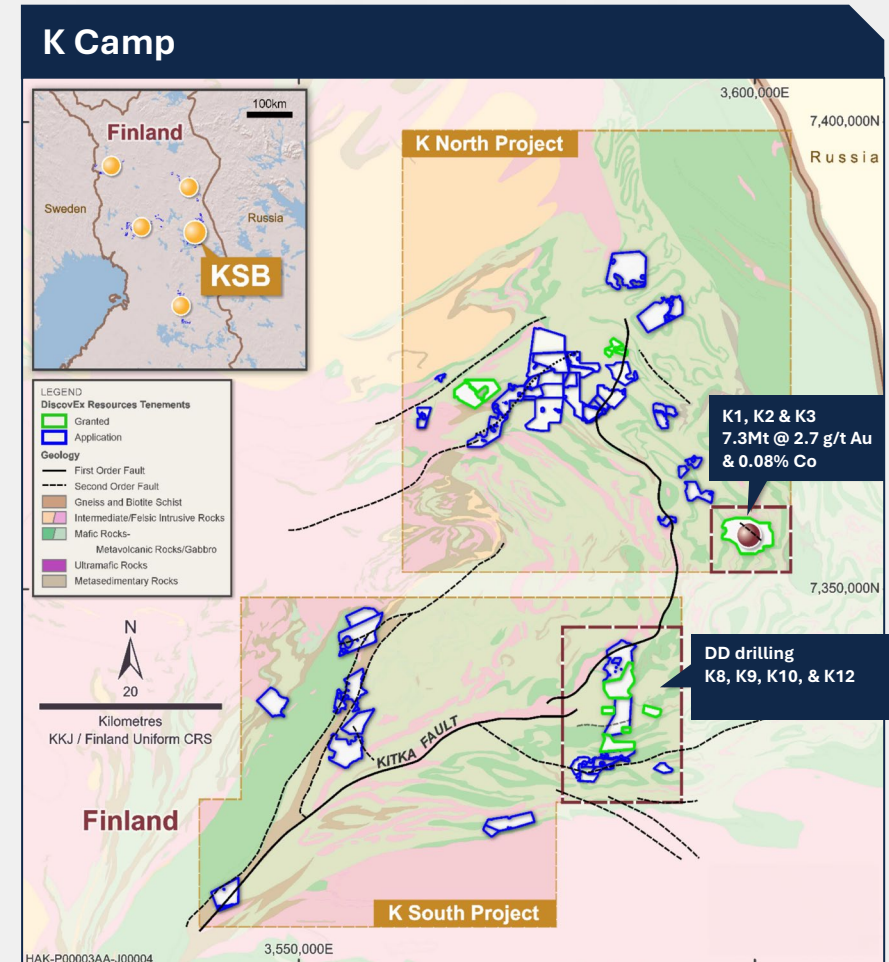
JORC compliant Mineral Resource of **7.3Mt at 2.7g/t Au for 650,000oz and 0.08% Co for 5,840t (@ 0.08%)**¹ Progressing towards a material mining centre with multiple resource positions all open at depth and along strike

K South

Multiple well-defined mineralisation targets all open at depth and along strike. Progressing towards becoming a material contributor to K Camp development plan

K North camp gold mineral resource estimate¹

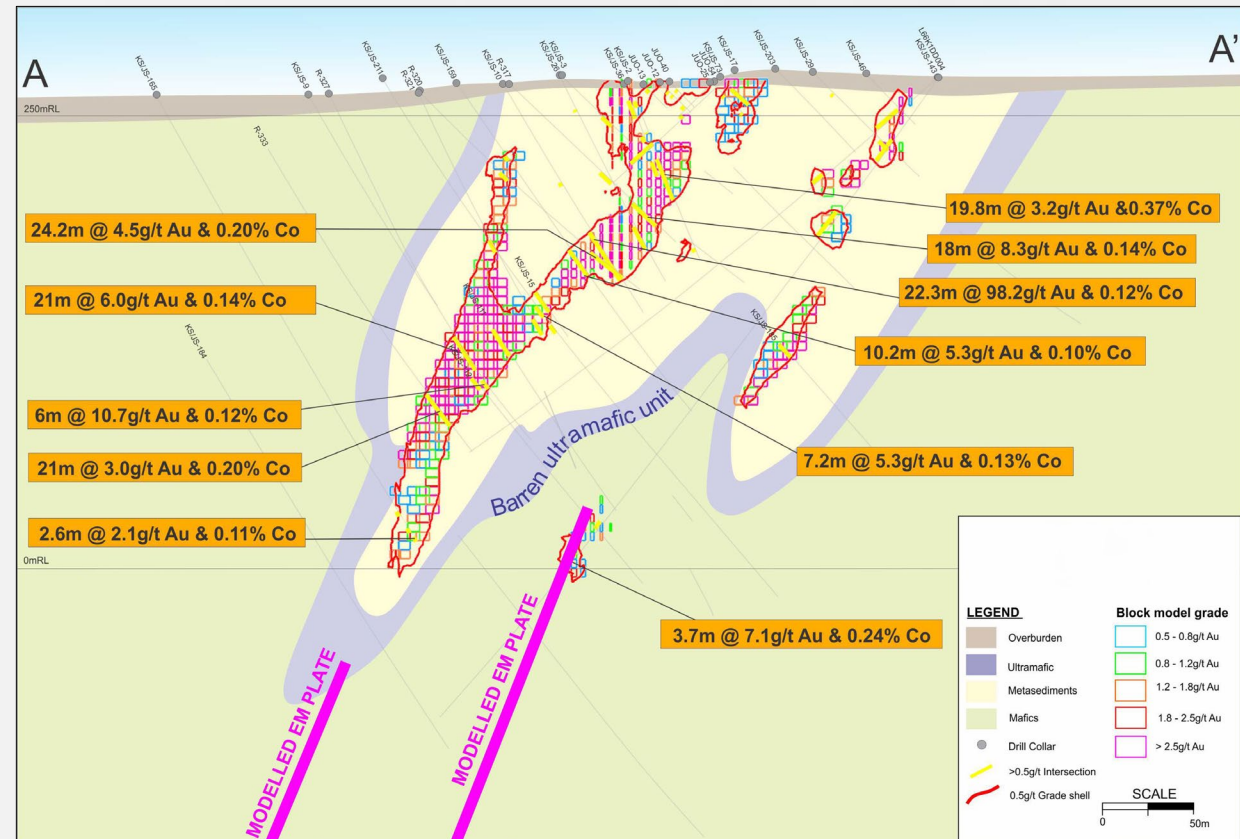
Deposit	Category	Tonnage (kt)	Au (g/t)	Co (%)	Au (oz)	Co (t)
K1	Indicated	4,600	2.9	0.10	430,000	4,400
	Inferred	1,200	2.1	0.05	80,000	570
	SUB-TOTAL	5,800	2.7	0.09	510,000	5,010
K2	Indicated	960	3.2	0.05	100,000	500
	Inferred	90	1.7	0.05	5,000	50
	SUB-TOTAL	1,050	3.1	0.05	105,000	550
K3	Indicated	340	2.2	0.06	24,000	210
	Inferred	120	2.0	0.06	8,000	70
	SUB-TOTAL	450	2.2	0.06	32,000	280
GRAND TOTAL		7,300	2.7	0.08	650,000	5,840



K1 – excellent grade from surface

- 470m strike-length (open NW and SE)
- Mineralisation from surface to over 450m depth (open down dip/plunge)
- Multiple untested EM plates down dip/plunge and along strike from existing mineralisation
- Au and Co associated with intense hydrothermally altered, locally sulfidised shear zones within isoclinally folded metasedimentary-mafic-ultramafic rock package

K1 Mineral Resource¹



(1) Refer to Prospectus announced by DCX on 26/4/2024



K South fast route to adding resource inventory

Recent successes demonstrate the near surface gold and cobalt potential of the camp¹

K9 TARGET - High Grade Au-Co Potential

13.4m @ 6.25g/t Au & 0.18% Co from 21.1m (L66K9DD008)

13.8m @ 3.56g/t Au & 0.04% Co from 62.7m (L66K9DD008)

22.4m @ 2.4g/t Au & 0.07% Co from 43.6m (L66K9DD010)

50.1m @ 0.45% Co from 124.75m (L66K9DD001)

K8 TARGET – Near Term Resource Opportunity

19.0m @ 6.0 g/t Au & 0.04% Co from 97.5m (M461184R305)

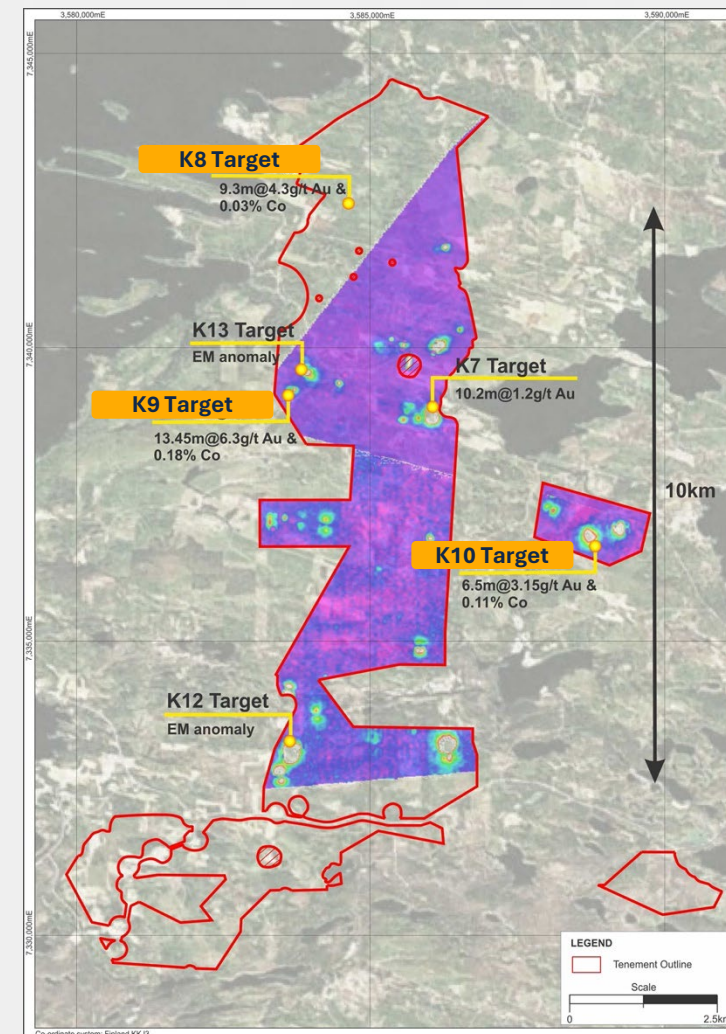
9.3m @ 4.32g/t Au & 0.03% Co from 23.9m (L66K8DD003)

10.2m @ 4.84g/t Au & 0.04% Co from 89.75m (L66K8DD002)

6.5m @ 8.1 g/t Au & 0.01% Co from 45.1m (SAY003)

K10 TARGET – Exploration Upside

6.5m @ 3.15g/t Au & 0.11% Co from 321.9m (L66K10DD005)



(1) Refer to Prospectus announced by DCX on 26/4/2024 and LAT announcement on 8/7/2024



Site Visit – exploration review and planning









Upcoming Activities

Continued focus on advancing KSB towards development

PSB Project fieldwork including geophysics

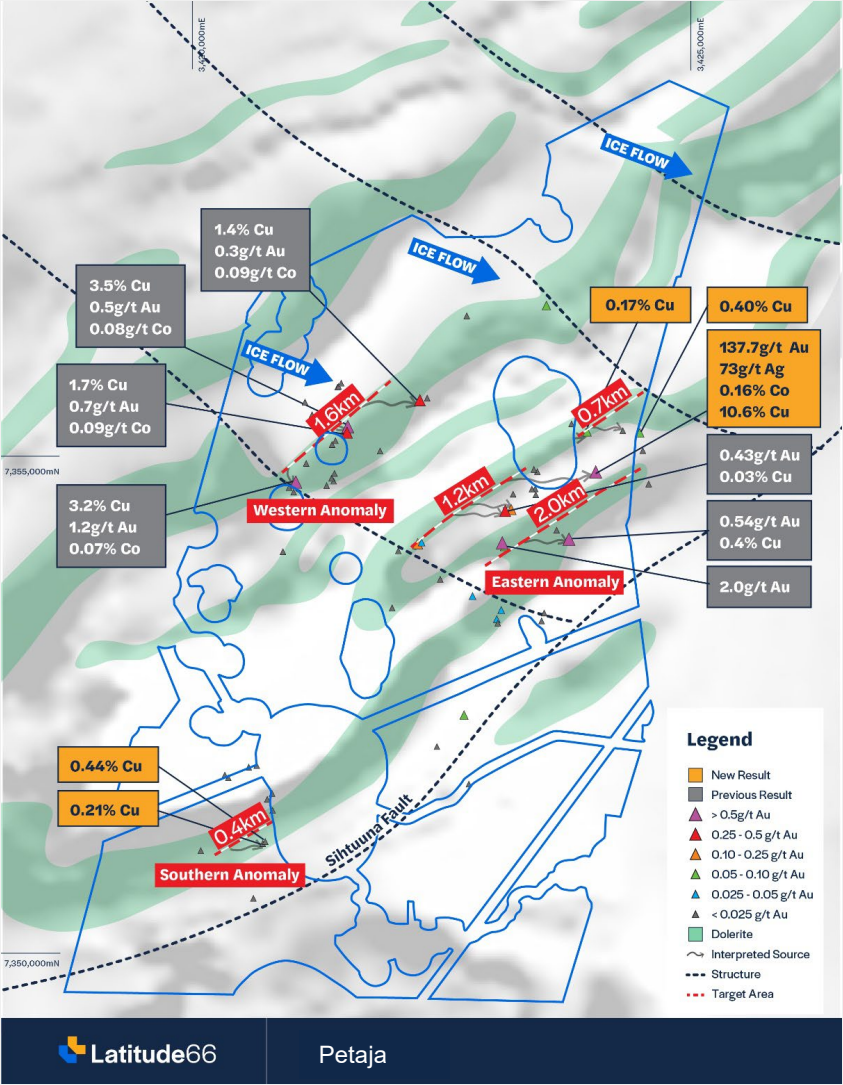
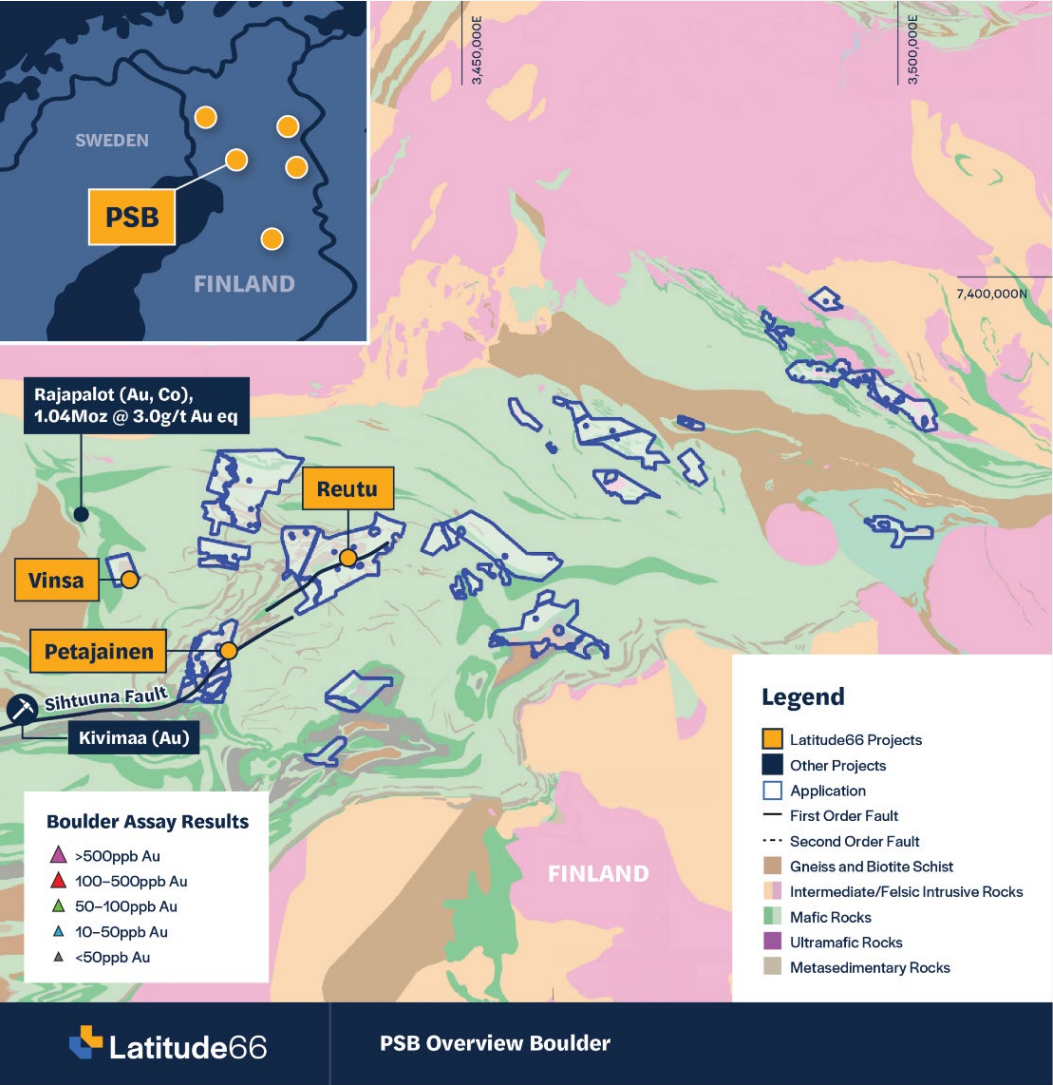
Ongoing focus to realise value from non-core Australian assets

	2024	2025	2025	2025
	Q4	Q1	Q2	Q3
K-South Drilling Results				
Summer Field work results – Boulder samples				
Structural Geological Review				
Scoping Study – engineering and mine planning				
Drilling KSB – target generation from structural geological review				
Baseline Studies and Environmental Permitting				



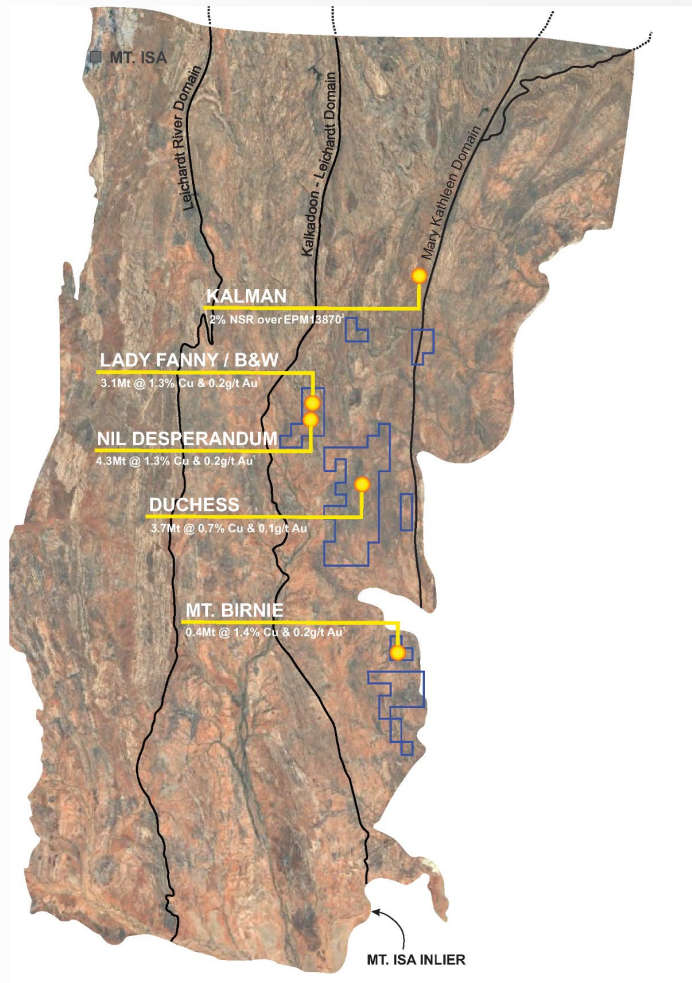
PSB Project

Regional upside Gold and Copper potential



(1) Refer to ASXs announced by on 22/7/2024

QLD – Greater Duchess JV



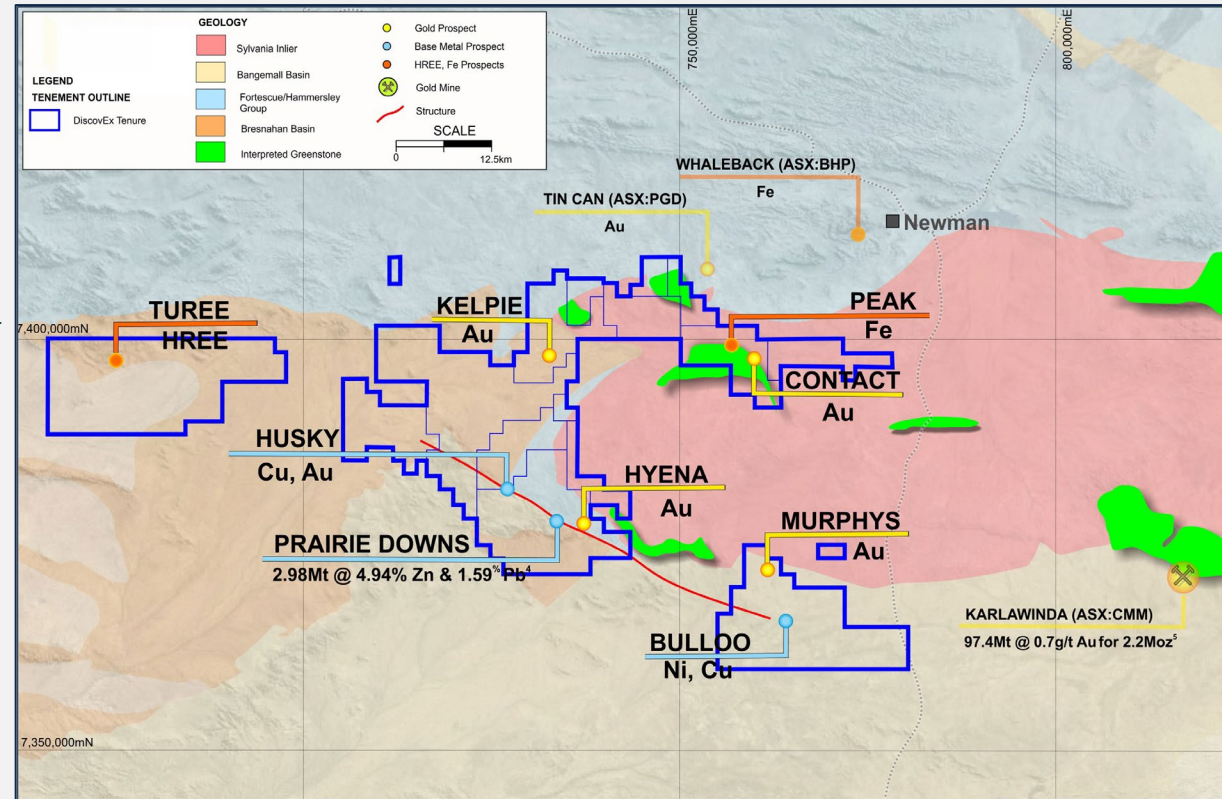
- Joint Venture with Carnaby Resources (ASX: CNB).
LAT has 17.5% free-carried interest on certain licences until a Decision to Mine
- Exploration upside at Lady Fanny North, Lady Vampire, Shamrock
- Carnaby Resources is releasing a Scoping Study in Q2 2024
 - LAT attributable contained tonnes copper equivalent = 7.8% of total project
- In addition, LAT holds a 2% NSR over part of the Kalman deposit² (ASX:HMX)

Deposit	Class	Tonnes Mt	Cu %	Au g/t	CuEq %	Cu Tonnes	Au Ounces	CuEq Tonnes
Nil Desperandum	Indicated	3.3	1.2	0.2	1.4	39,800	22,000	44,600
	Inferred	1.0	1.4	0.4	1.7	13,900	11,400	16,300
	Sub-total	4.3	1.3	0.2	1.4	53,700	33,400	60,900
Lady Fanny & Bourke and Wills	Indicated	1.7	1.4	0.2	1.5	23,300	11,500	25,800
	Inferred	1.4	1.2	0.3	1.4	17,500	11,600	20,100
	Sub-total	3.1	1.3	0.2	1.5	40,800	23,200	45,800
Mt. Birnie	Indicated							
	Inferred	0.4	1.4	0.2	1.5	6,300	2,300	6,800
	Sub-total	0.4	1.4	0.2	1.5	6,300	2,300	6,800
Duchess	Indicated							
	Inferred	3.7	0.7	0.1	0.8	26,300	11,300	28,800
	Sub-total	3.7	0.7	0.1	0.8	26,300	11,300	28,800
Greater Duchess JV Total Inventory	Indicated	5.0	1.3	0.2	1.4	63,100	33,500	70,400
	Inferred	6.5	1.0	0.2	1.1	64,000	36,600	72,000
	Total	11.5	1.1	0.2	1.2	127,100	70,200	142,300
DCX 17.5%	Total	2.0	1.1	0.2	1.2	22,243	12,285	24,903



WA – Sylvania

- Multi-commodity potential
 - Gold, base metals, iron ore
- Historical exploration focused on base metals potential along Prairie Downs Fault
- Existing mineral resource defined
 - **Prairie Downs:** 2.98Mt @ 4.9% Zn and 1.6% Pb⁴
- Multiple base metals targets defined
- Highly prospective gold targets generated:
 - **Contact**
 - **Murphys**
 - **Kelpie**
 - **Hyena**



Why Invest?



Diversified precious and critical minerals company

Project portfolio includes six development and exploration projects providing exposure to gold and critical minerals



Safe Mining Jurisdictions

Assets in Australia and Finland, both safe mining jurisdictions
Finland has excellent geology and some of the largest mining projects in Europe



Advancing towards Development

Metallurgical results using conventional methods support high recoveries.
Advanced engineering on mine design and flow sheet completed.
Permitting progressing



Experienced leadership team

The Company's new Board and management team is highly experienced in the discovery, development and exploitation of mineral deposits



Targeting Net Zero

Targeting net zero carbon cobalt and gold
Supported by Finland's commitment to 2035 net zero, one of the most ambitious targets globally
Over 90% of energy production from Finland non-fossil (July 2023)



Highly complementary assets

Projects are at varying stages of development ranging from early exploration through to project studies providing further diversification across the group





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