

31 October 2024

September 2024 Quarterly Activities Report

Highlights

KSB Project

- Significant results returned from extensional drilling at K-South:
 - **22.4m @ 2.4g/t Au, 0.07% Co and 0.16% Cu from 43.6m** (L66K9DD010), including:
 - **9.5m @ 3.7 g/t Au, 0.09% Co and 0.24% Cu from 51m**
 - **4.3m @ 3.2g/t Au and 0.09% Co from 44m**
- Positive down hole EM survey results identified further drill targets at K9 with multiple in-hole and off-hole conductors
- High grade gold in historical drilling confirmed resource potential at K8 Prospect
- Follow up diamond drilling program at K South initially targeting K9, K8, K10 and K12 Prospects

PSB Project

- Over 20 highly prospective targets identified for follow up testing
- Exceptional grades of up to 137.7g/t Au and 10.6% Cu received from boulder rock chip samples
- Results of boulder sampling, combined with previous exploration activities, confirmed multiple gold-copper mineralisation trends for follow up

Collaboration Agreement

- Non-Binding MOU executed with Betolar Plc to collaborate on sustainable mining in Finland

Greater Duchess JV

- DeeJay Jude Prospect – Assays pending from 4 holes with pXRF readings up to **21m @0.6% Cu**
- Lady Fanny Prospect drill assay highlights:
 - **LFRC271 - 3m @ 3.2% Cu, 2.2g/t Au from 91m, incl 1m @ 7.6% Cu, 3.8g/t Au**

Corporate

- The Company's shares were reinstated to the Official List of the ASX on 4 July 2024 under the ticker 'LAT' following completion of the Latitude 66 Cobalt Limited acquisition that settled in early July
- The Sylvania Option Agreement over the Sylvania Project with Rio Tinto was terminated during the quarter
- The Company has appointed a new CFO, Lucia McLean with previous CFO Paul Bridson resigning
- The Company is well capitalised with cash at hand of A\$3.3 million as at 30 September 2024

Latitude 66 Limited (ASX:LAT) (“**Lat66**” or “**the Company**”) is pleased to provide its quarterly activities report for the three months ended 30 September 2024, the first quarter since reinstatement to the ASX following completion of the Latitude 66 Cobalt acquisition and accompanied rebranding.

On the operations front, the Company undertook various exploration work across the northern Finland portfolio including drilling at the flagship KSB Project and boulder sampling at the PSB Project. In Australia, Carnaby Resources Limited announced positive results from the Greater Duchess JV, where Lat66 holds a 17.5% free carried interest.

Managing Director, Grant Coyle commented:

“It was a pivotal quarter for the Company, as we finalised the acquisition of Latitude 66 Cobalt, were reinstated to the ASX, and wasted no time in undertaking exploration on our new projects in northern Finland.

“There is significant potential to expand the existing resource base at our flagship KSB Project, which continues to deliver encouraging results at the K-South extension area. We’re also excited by the scale potential of significant targets emerging at the earlier stage PSB Project.

“We look forward to continuing our exploration strategy in Finland and reporting on our progress over the coming months.”

KSB Project

K South Extensional Drilling

Early in the quarter, excellent assay results were returned from diamond drilling at the K9 prospect within the Kuusamo Schist Belt Project (“**KSB Project**” or “**the Project**”) in Finland. The KSB Project is the flagship project for the Company.

The assay results were reported from the K-South prospective region at the Project where the extensional drilling program is focused on defining a maiden JORC Mineral Resource Estimate across numerous early-stage targets defined through geophysics and base of till sampling.

The diamond program at K9 comprised of two holes for 236 metres and followed up on drilling in 2022 and 2023. The K9 prospect includes the following significant intercepts:

- 22.4m @ 2.4g/t, 0.07% Co and 0.16% Cu from 44m (L66K9DD010)
- 13.45m @ 6.25g/t Au & 0.18% Co from 21.1m (L66K9DD008)
- 13.8m @ 3.56g/t Au & 0.04% Co from 62.7m (L66K9DD008)
- 50.15m @ 0.45% Co from 124.75m (L66K9DD001)

Drilling was also completed at K13, with drilling targeted towards a historic VTEM anomaly that was further defined by a follow up ground FLEM survey. A conductive anomaly (550 S/m) response similar to that identified at K9 (586 S/m) was returned¹ and was the basis for the drilling.

¹ Previously released to ASX by DCX in the Prospectus dated and lodged on 16 April 2024.

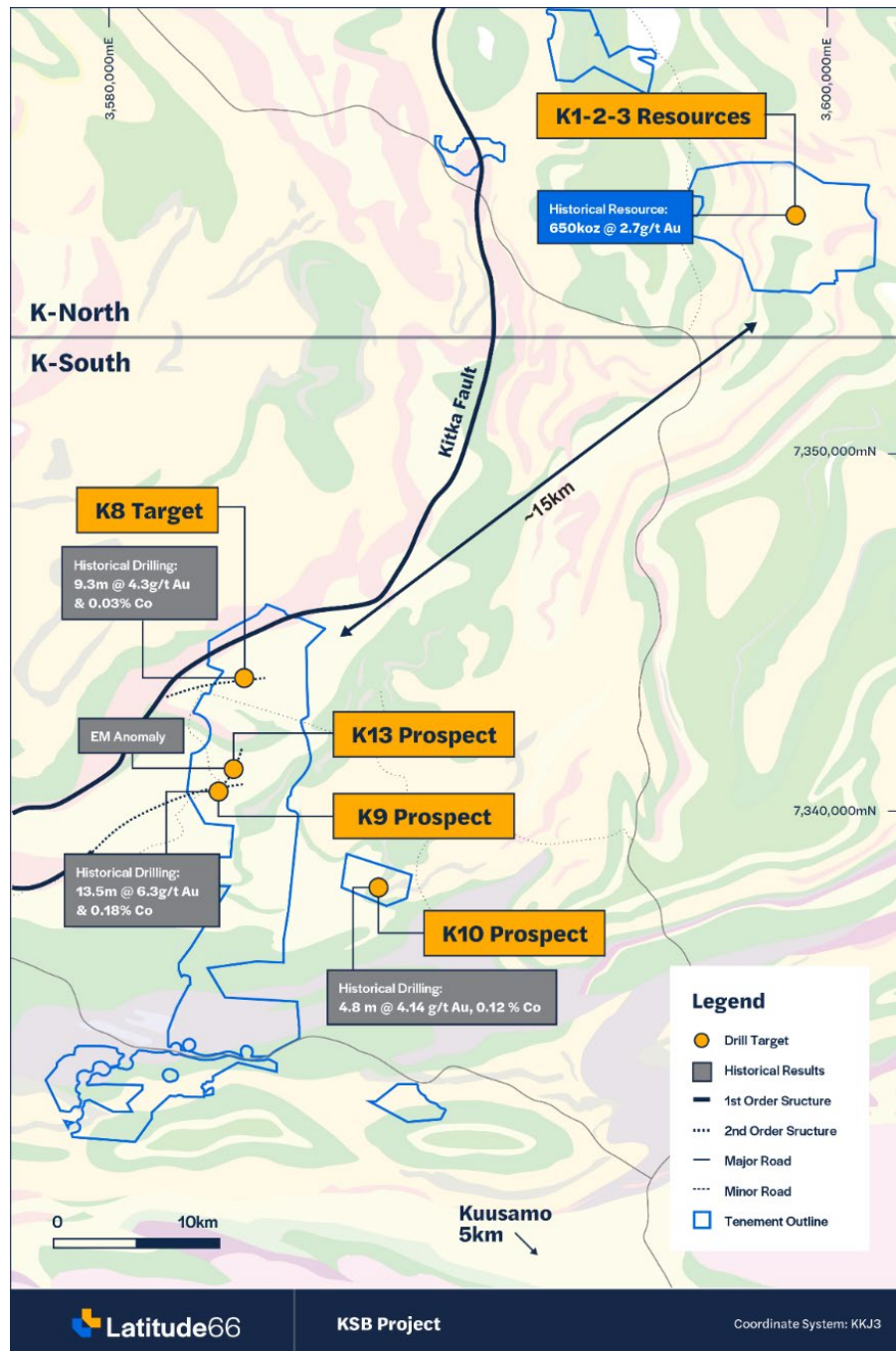


Figure 1: KSB Project tenement areas (incl. K-South and K-North)

K9 Prospect

Two diamond holes were completed at K9 for 235.6m with the first hole (L66K9DD010) intersecting significant widths of mineralisation including **22.4m @ 2.4g/t Au, 0.07% Co and 0.16% Cu** from 44m (**Figure 2**). Within this broad intersection, multiple higher-grade intervals were returned including **9.5m @ 3.7g/t Au, 0.09 % Co & 0.24% Cu** from 51m and **4.3m @ 3.2g/t Au and 0.09% Co** from 44m (**Figure 3**). The second hole (L66K9DD011) was abandoned at 92m following detailed structural analysis of the first hole that indicated the mineralisation was trending sub-parallel to L66K9DD011.

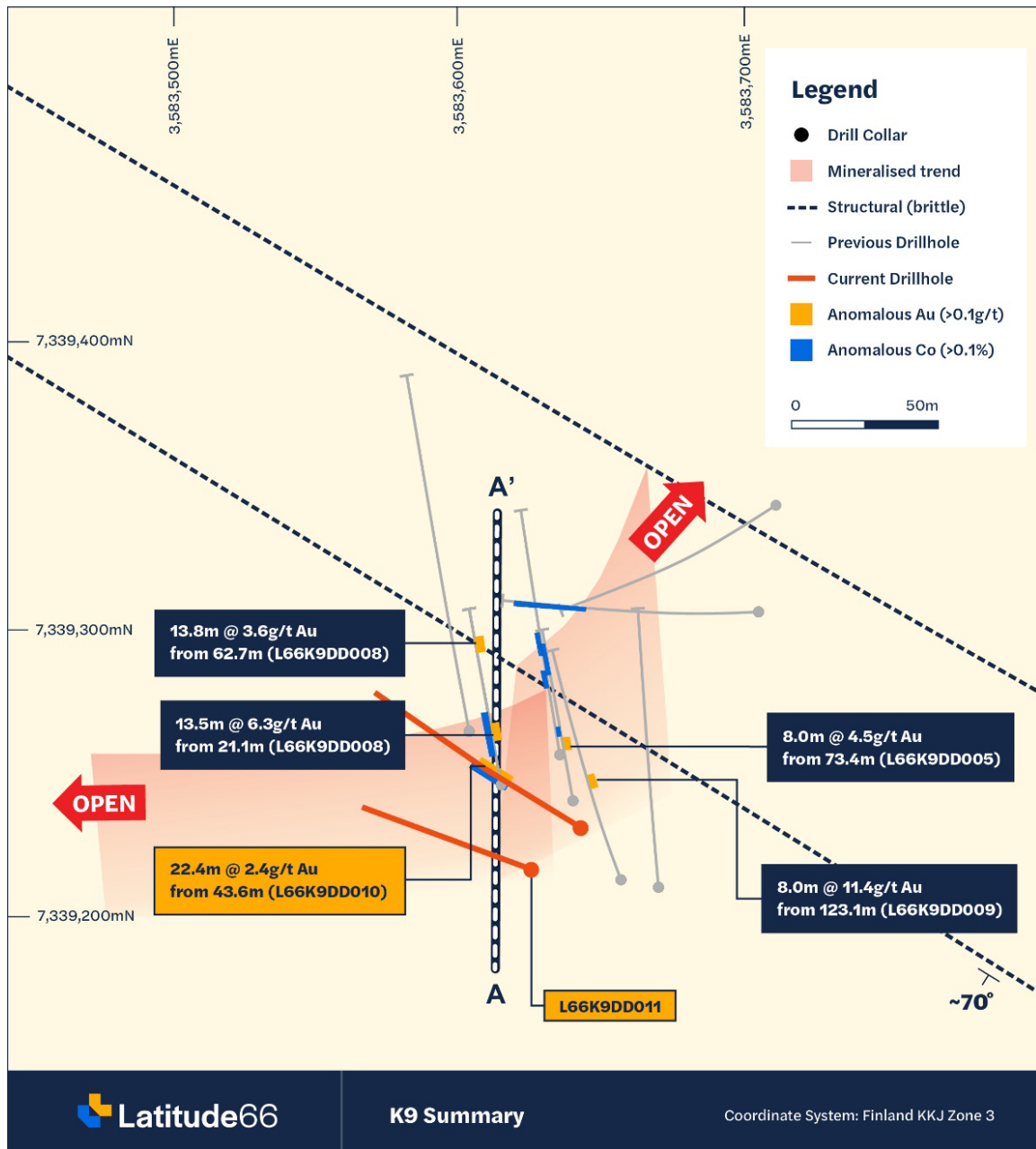


Figure 2: Plan view of the K9 Prospect showing latest drill intersection from L66K9DD010

The intersection within L66K9DD010 has now confirmed continuity of mineralisation over a strike length of 100m and remains open in all directions. The K9 prospect represents a significant growth opportunity for the Company to add substantial ounces to the already significant global resource base within the KSB Project.

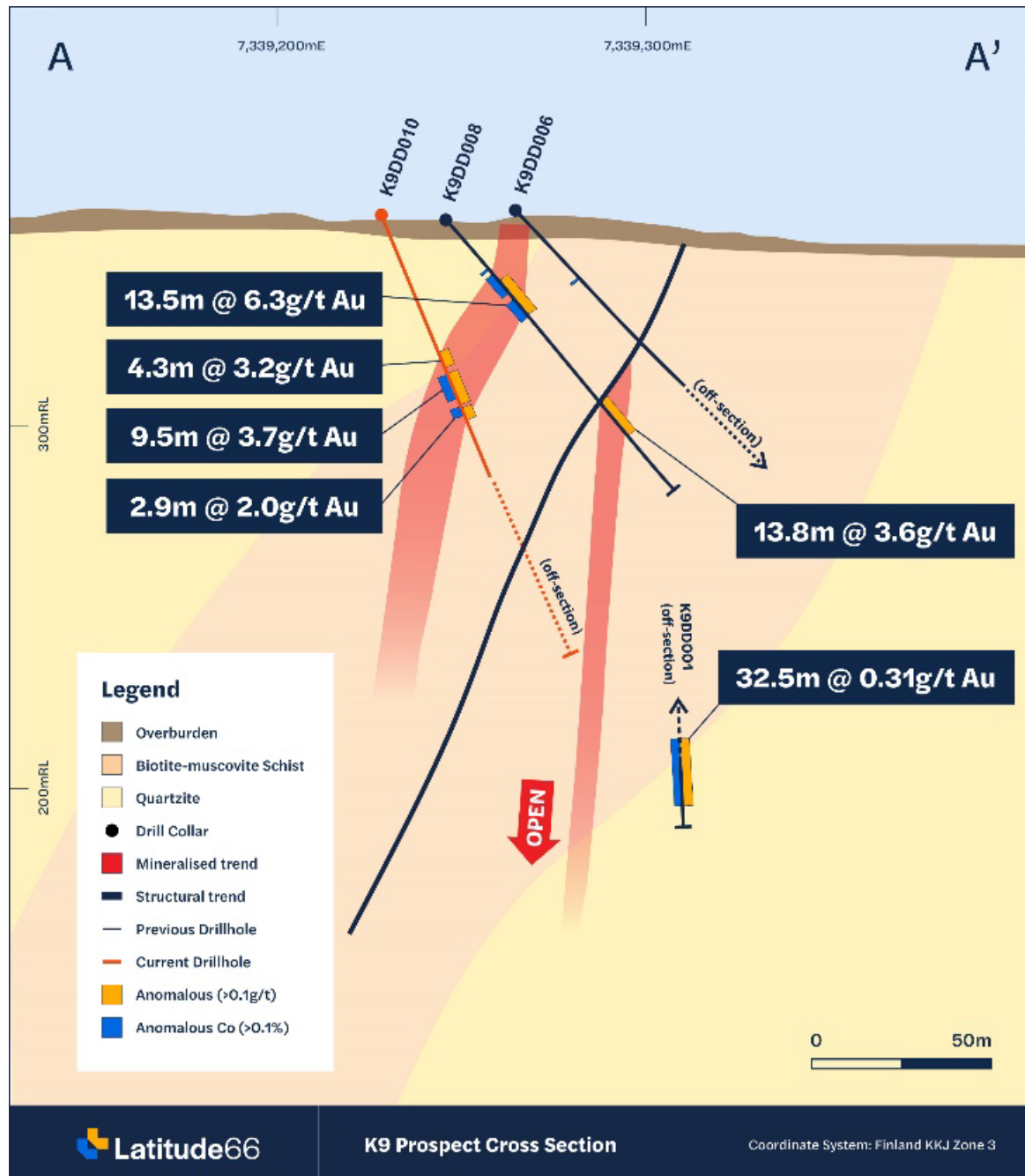


Figure 3: Cross-section from the K9 Prospect showing latest drill intersection from L66K9DD010

K9 Prospect - Downhole electromagnetic (DHEM) survey

DHEM surveys were completed on two holes at the K9 prospect (L66K9DD010 and L66K9DD009), to provide additional information on the spatial orientation of mineralisation, both down-dip and along strike. A single loop was planned above the interpreted south-west extension to the mineralisation where a robust anomaly (5,103 S) was defined towards the end of drillhole L66K9DD009 (@ ~170mRL). Late time channels 50-56 were used to model this conductor.

An additional off-hole conductor was defined ~50m south-west of L66K9DD010 directly down-dip from previously drilled hole L66K9DD011. The location of the off-hole conductivity anomaly indicates the mineralisation has a plunge orientation towards the southwest, with hole L66K9DD011 having been drilled over the top of the high-grade Au-Co zone.

The plunge orientation is further supported by findings from the lithogeochemistry assessment which has identified a low titanium-low chromium metasedimentary rock that has a north-south strike and dips to the west. The intersection of the mineralised shear zone with this favourable geological rock has created a south-west plunging high-grade zone of mineralisation that remains untested both down- and up-plunge (Figure 4).

The DHEM model coupled with the structural and lithogeochemistry work has greatly improved the understanding of the geometries of the K9 mineralisation with the basis of this work used to plan additional drilling along the plunge directions (both up-plunge and down-plunge). Existing drilling results together with those anticipated following the upcoming drill program will be used to define a maiden JORC compliant Mineral Resource Estimate.

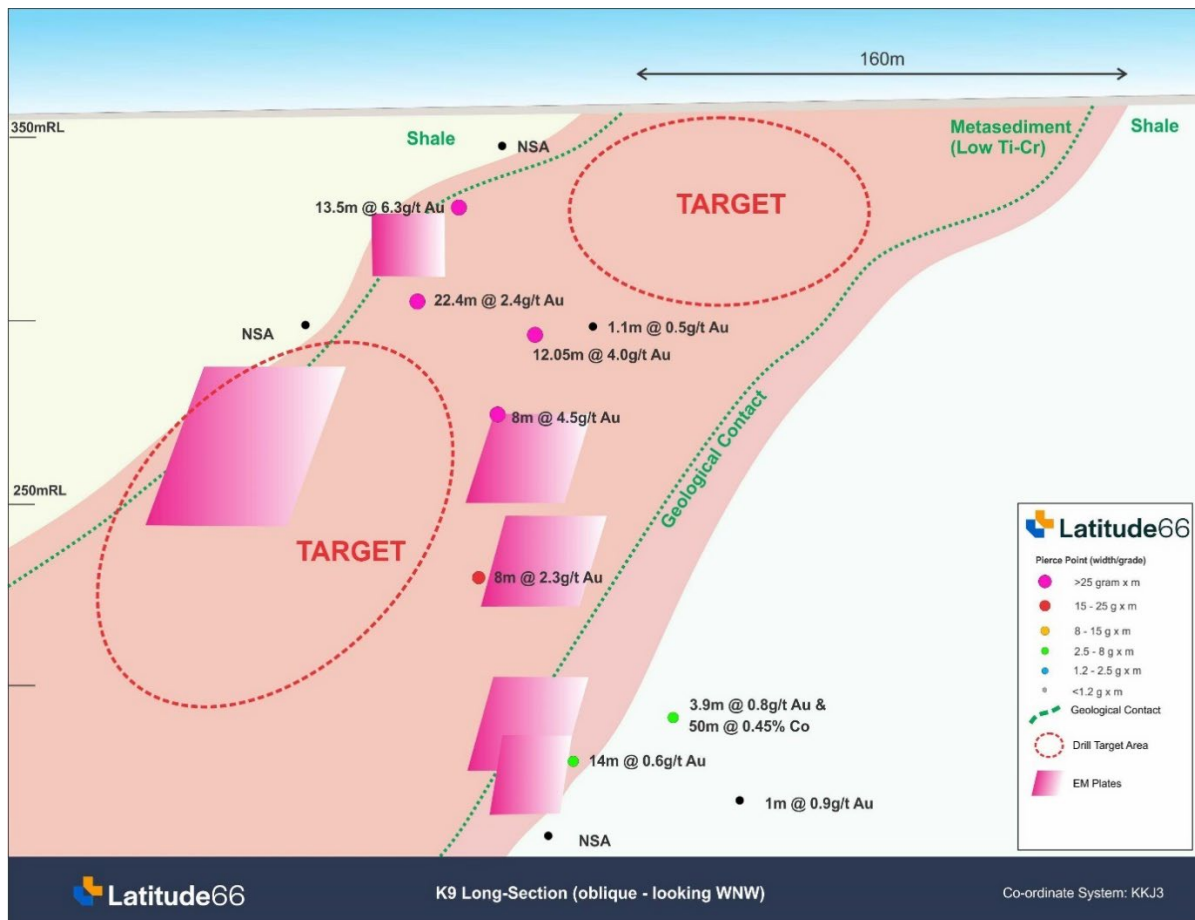


Figure 4: Long-section of the K9 mineralisation. Dots represent drillhole pierce points through the mineralised plane.

K13 Prospect

Three holes for 479m were completed at the K13 Prospect, located approximately 350m north-east of the K9 Prospect. This target was generated from both VTEM and FLEM geophysical surveys, which defined a robust conductivity anomaly at a similar stratigraphic position to mineralisation returned from the K9 Prospect.

All three holes intersected semi-massive to massive pyrrhotite over widths of up to 0.5m and returned narrow cobalt mineralisation including 1m @ 0.22% Co from 49.85m (L66K13DD003) and 0.85m @ 0.17% Co from 45m (L66K13DD002). Both intersections correlate well spatially with the extension of the generated FLEM plate, however drillhole L66K13DD001, which targeted the centre of the plate (115m down hole), did not intersect sulphide mineralisation at the interpreted depth. Follow up work including downhole geophysics, together with analysis of multielement geochemistry will now be undertaken to confirm the EM anomaly.

K8 Prospect

The K8 Prospect is located approximately 3km north-east of K9 and has been the subject of previous drilling campaigns by both the Geological Survey of Finland ("GTK") and Belvedere Resources Ltd (previously listed on the TSX:BEL – "Belvedere"). This historic data has now been validated for spatial locations, collar orientation measurements and QAQC assessment of original assay files and has been incorporated together with recent Lat66 drilling from 2022. The results of this work have defined a coherent mineralisation trend, which has been identified over 250m, and to date remains open down dip and along strike.

Significant intersections for K8 Prospect (including from Lat66, GTK and Belvedere)²:

Table 1 – K8 Prospect significant intersections from Lat66, GTK and Belvedere

Hole ID	Width (m)	Au (g/t)	Co (ppm)
M461184R305	19.0	6.0	382
M461184R305	3.5	5.4	147
L66K8DD002	10.3	4.8	405
L66K8DD002	3.8	9.5	245
L66K8DD003	9.3	4.3	341
SAY005	8.2	2.8	326
SAY005	7.3	4.4	183
SAY003	6.5	8.1	77
M461184R306	5.6	4.9	949
L66K8DD001	4.0	4.1	328
M461184R321	8.0	1.6	42
SAY008	3.3	3.8	330

² Previously released to ASX by LAT "High grade gold in historical drilling K8 Prospect Finland" dated 14/08/2024

Latitude 66 was also able to re-enter two historic Belvedere holes (SAY005 and SAY006 – **Figure 5**) and complete DHEM surveys, to help validate the existing drilling and identify additional drill targets.

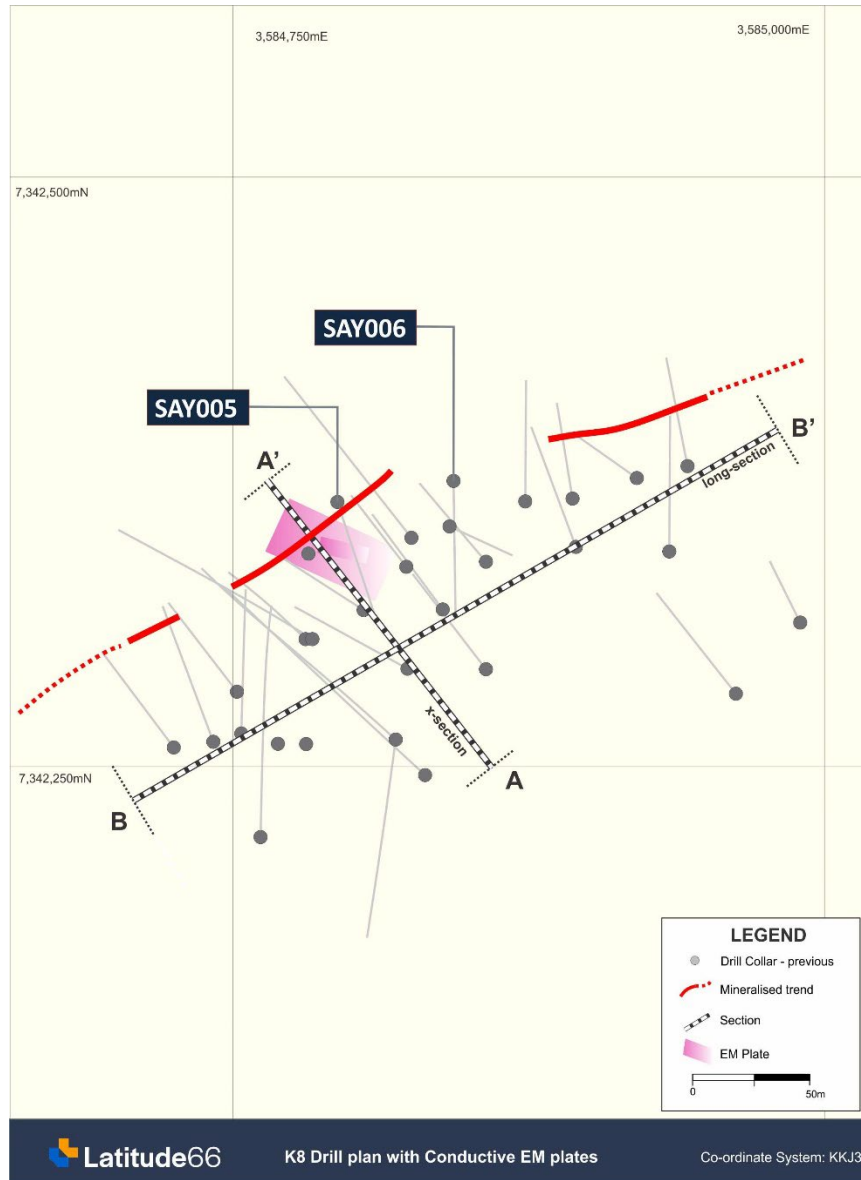


Figure 5: Plan view of all drillholes relative to EM plates and those holes re-entered to complete the survey.

SAY005 returned an in-hole and an off-hole conductive plate with results of 652S and 437S respectively. The conductive plates are interpreted as being significant considering the in-hole response relates to a downhole intersection of **8.2m @ 2.8g/t Au from 55.05m³** and **7.3m @ 4.4g/t Au from 76.3m (Figure 6)**. No conductivity response was received from SAY006.

³ Refer Appendix A & B and JORC Table 1 in announcement dated 14/08/2024 “High grade gold in historical drilling K8 Prospect Finland” for details

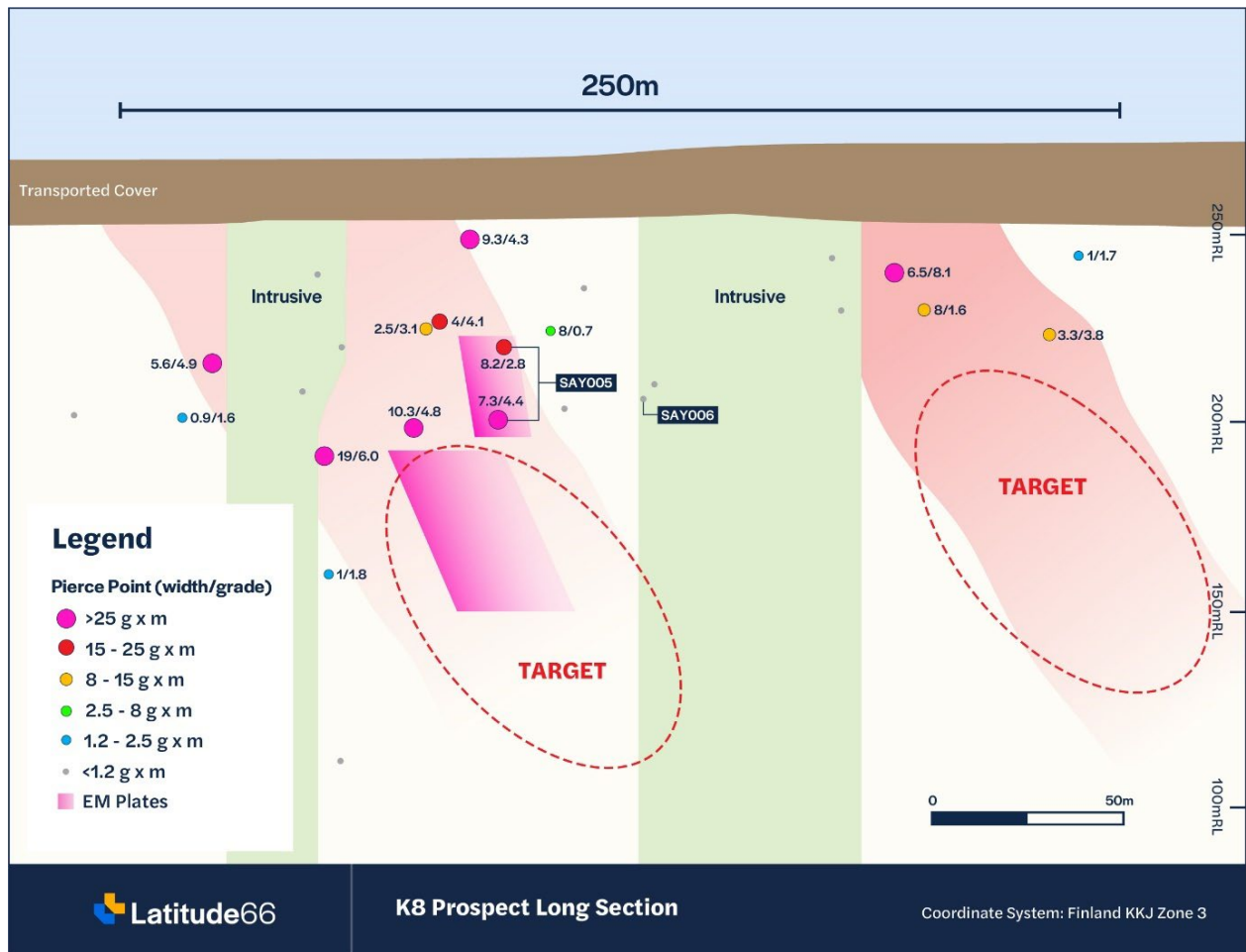


Figure 6: Long-section of the K8 mineralisation. Dots represent drillhole pierce points through the mineralised plane.

Figure 6 above shows a long-section of all drill intersections projected onto a NE trending plane. Results to date, coloured by accumulated grade (i.e. thickness x gold grade), are highly encouraging and show two interpreted mineralised plunge orientations, that are open down plunge (to the east). Each mineralised “shoot” is approximately 100m in strike length, with potential for additional shoots to be delineated along strike.

Continuity of gold mineralisation is interpreted as being constrained to an intermediate metavolcanic unit, which strikes east-west and dips to the south. This favourable unit has been identified from a recent lithogeochemical assessment which has also identified a second chemically identical hanging wall unit, as well as a felsic volcanoclastic unit and a dolomitic unit (**Figure 7**). Despite gold mineralisation being constrained to the intermediate volcanics, the cobalt (+/- copper) mineralisation is interpreted as having an affinity with both the dolomitic unit and the intermediate volcanic unit, potentially suggesting a secondary alteration overprint separate to the gold mineralisation event (i.e. a Au + Co event and a separate Co event).

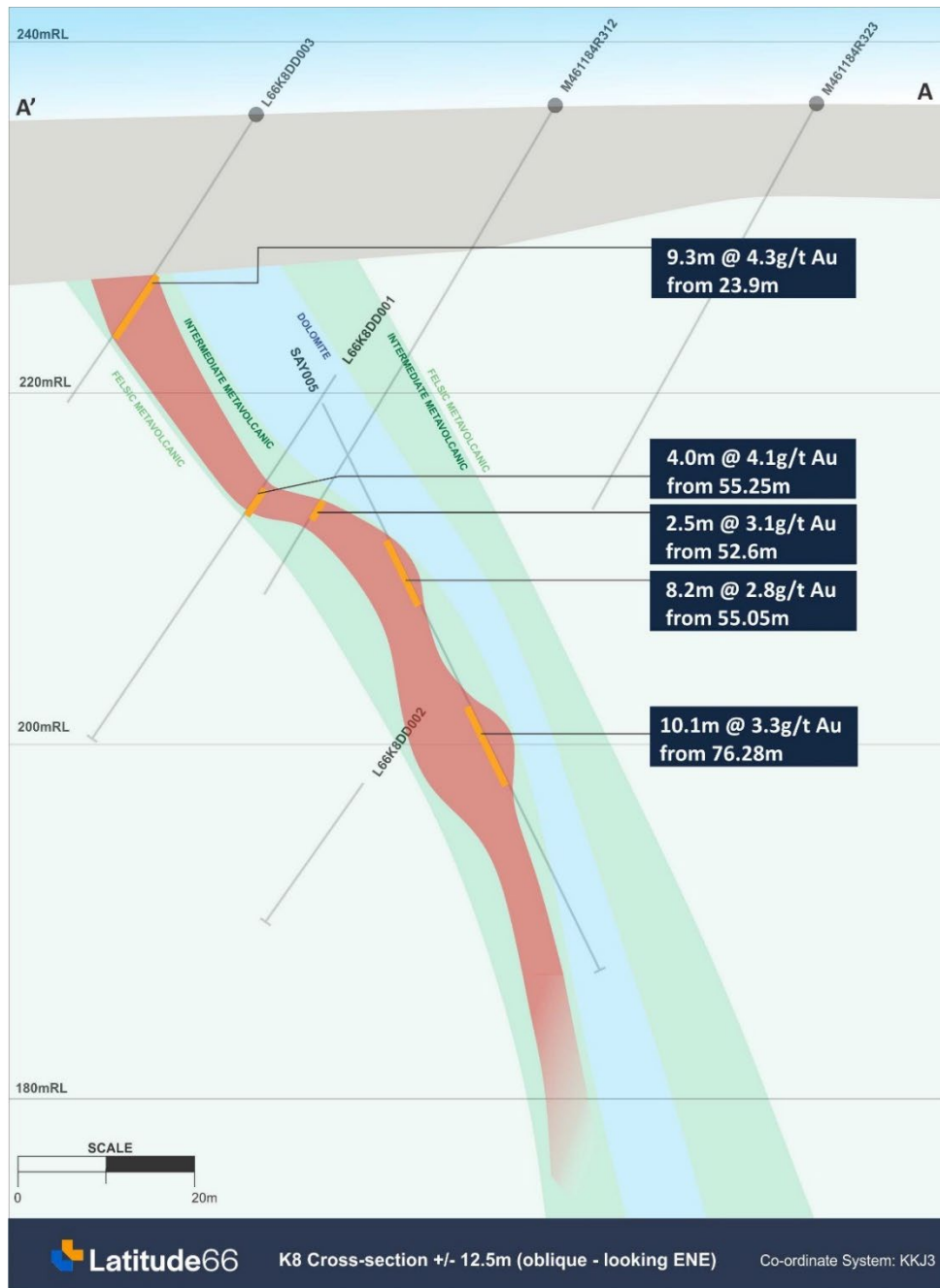


Figure 7: Cross-section through the K8 mineralisation

K South Drilling

A follow up diamond drilling campaign at K South commenced during the quarter and successfully completed just after quarter end. The drilling program targeted the K9 ,K8, K10 and K12 Prospects. The drilling program was developed on the back of the previously successful drilling results and the recently completed downhole electromagnetic (“DHEM”) survey that identified conductive plates down-dip/down-plunge at both the K9 and K8 Prospects. A lithogeochemistry assessment was also completed to support the development of the drill campaign.

Results from the K South drill program are anticipated in early November. Based on the results from this initial program, Lat66 will determine further drilling activities for the K9 ,K8, K10 and K12 Prospects. Results

from the drilling program will also be used to determine whether maiden JORC Mineral Resource estimates can be calculated for each of the K9 and K8 Prospects that will then be incorporated into the existing global resource base.

PSB Project

The Perapohja Schist Belt (“PSB”) is a Paleoproterozoic rift-related basin in northern Finland, which is a direct analogue to the Company’s flagship project, the Kuusamo Schist Belt Project (“KSB Project”).

The PSB Project⁴ has extensive gold, copper and cobalt mineralisation identified through historical exploration work by the Geological Survey of Finland (“GTK”). Lat66 holds a dominant land position of 412km² in the eastern basin of the PSB region.

A total of 23 exploration prospects have been defined and will be subject to an internal ranking exercise that will make full use of all geophysical and geochemical datasets accumulated both in-house and from the GTK. Targets will be ranked regarding prospectivity, potential scale and exploration stage within the targeting pipeline.

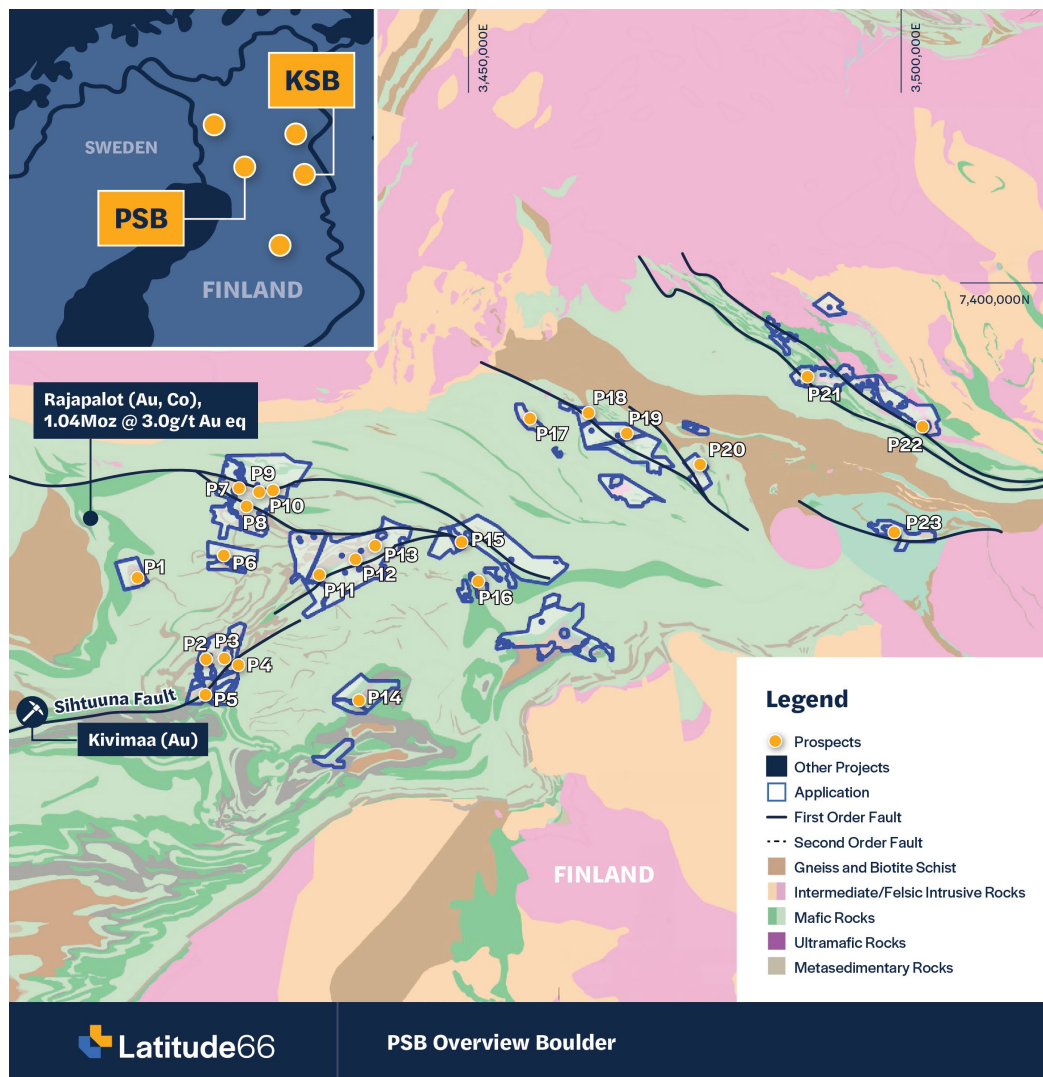


Figure 8: PSB Project Boulder Locations

⁴ Previously released to ASX by DCX in the Prospectus dated 16 April 2024 and Supplementary Prospectus dated 22 May 2024

Results from the latest boulder sampling program have further enhanced the prospectivity of the PSB region, where Lat66 believes further extensions of the mineralisation trends may occur, opening a new gold-copper system in northern Finland.

Significant targets that exist within the PSB include the P12 and P13 prospects, which have been defined from SKYTEM (electromagnetics) and are analogous to those defined within the KSB Project mineral resource areas of K1, 2 and 3.

P12, in particular, represents a prospect area that has a larger scale to that observed at K1, where the Company has defined an Indicated and Inferred Mineral Resource⁵ of 5.8Mt @ 2.7g/t Au & 0.089% Co for 501,000oz Au, which indicates the potential of P12.

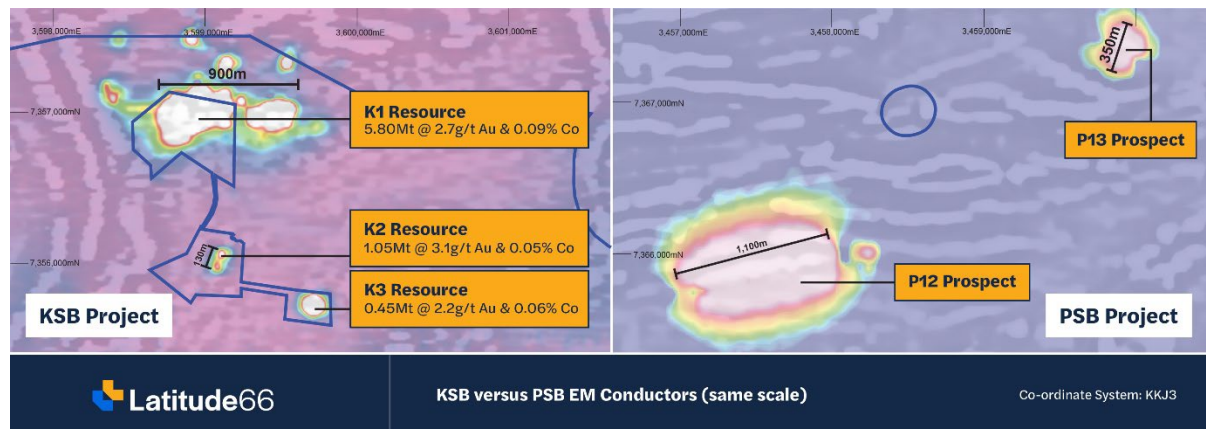


Figure 9 - Comparison of Prospects P12 and P13 to the mineral resource areas of K1, 2 & 3

Petaja Prospect^{6,7}

Sampling was completed at the Petaja Prospect, following up on two anomalous gold & copper trends that are coincident with favourable rock types (i.e. dolerite) (**Figure 10**). Multiple ice flow mineralised trends have been interpreted at the P4 trend, up to 2.0km in length, characterised by elevated gold and copper results including:

- **137.7g/t Au, 10.6% Cu, 0.16% Co & 73g/t Ag (23JUT0398)**
- **2.0g/t Au (23JUT0132)**
- **0.54g/t Au & 0.40% Cu (23JUT0094)**
- **0.43g/t Au (23JUT0102)**

The P3 trend, which is defined across 1.6km is characterised by additional anomalous gold, copper and cobalt results including:

- **3.2% Cu, 1.2g/t Au & 0.08% Co (23JUT0080)**
- **3.5% Cu, 0.48g/t Au & 0.09% Co (R21P0220)**
- **1.7% Cu, 0.68g/t Au & 0.09% Co & (23JUT0134)**
- **0.66g/t Au & 0.32% Cu (23JUT0079)**

⁵ K1 MRE comprises 4.6Mt at 2.9g/t Au & 0.1% Co for 430koz Au and 4,400t Co (Indicated) and 1.2Mt at 2.1g/t Au & 0.05% Co for 80koz Au and 570t Co (Inferred) – refer Bidder's Statement dated 24 April 2024

⁶ ASX Announcement 18 July 2024 - Multiple highly prospective targets identified at the PSB Project, Finland

⁷ For details on the PSB Project, including previous boulder results released to ASX by DCX, please refer to the Prospectus dated 16 April 2024 and Supplementary Prospectus dated 22 May 2024



Figure 10: Dolerite boulder with mineralised veins from the eastern anomaly at the Petaja Prospect

All anomalies are located proximal to significant NW trending structural breaks or within SW trending fold closures within dolerites, both of which are favourable locations for increased fluid flow and associated mineralisation. The interpreted location of the anomalous trends has been inferred from the distribution, size and angularity of boulder samples with all samples characterised as being sourced locally and down ice-flow direction (north-west to south-east).

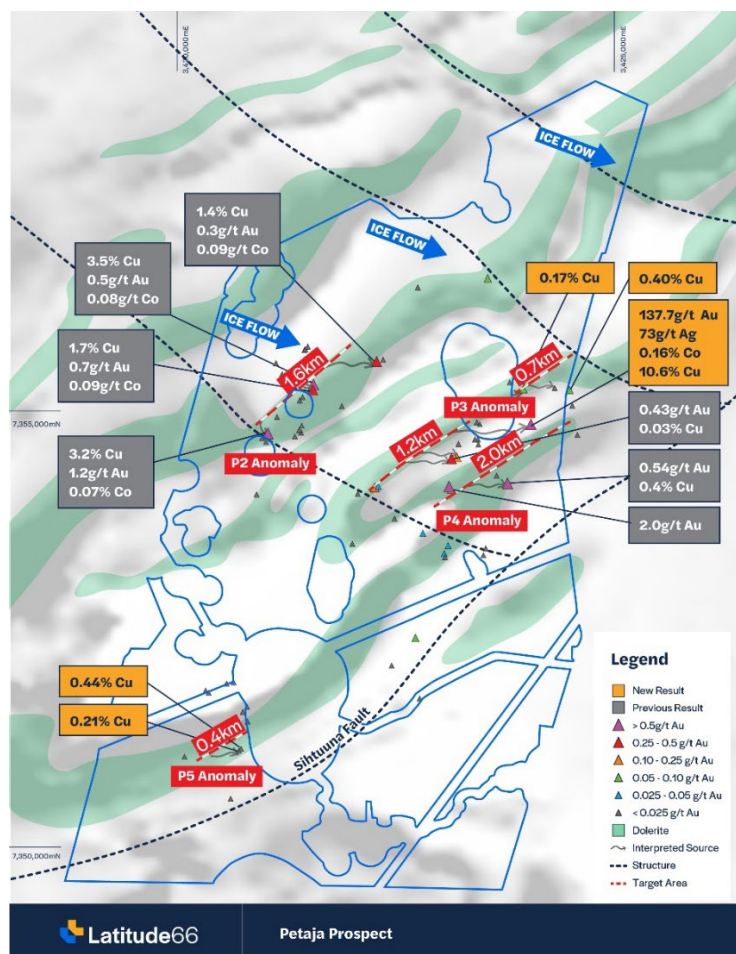


Figure 11: Plan view of the Petaja Prospect showing recent and previous boulder sampling locations. Background TMI magnetic image

This latest fieldwork program returned an outstanding result from the P4 anomaly including a single boulder sample of 137.7g/t Au, 10.6% Cu, 0.16% Co and 73g/t Ag (23JUT0398). The sample was collected from a ~10cm wide quartz-sulphide vein within a metadolerite host rock with visible pyrite and minor chalcopyrite and malachite observed in the sample specimen. Based on the size and angularity of the boulder, plus the location of interpreted metadolerite (from a magnetic image) approximately 350m to the north-west, it is likely that the boulder is local and has not travelled far. Additional elevated copper results were also returned from the P3 boulder anomaly including 0.40% Cu (23JUT0399) and 0.17% Cu (23JUT0400), both from mafic intrusive host rocks confirming the fertility of the area for Cu-Au mineralisation.

Follow up field activities to be completed to further investigate the prospective geological units (dolerites & other mafic intrusive rocks) at the Petaja, Reutu and Vinsa prospects, all of which have thin glacial till cover obscuring their exact locations. Ground-based prospecting, including traversing the interpreted outcrop positions of the dolerites, will be completed, with boulder and outcrop sampling to continue, together with investigation of structures, EM, IP and/or magnetics surveys to be completed at Petaja. Data acquired from the GTK, inclusive of base of till, diamond drilling and geophysics will also be processed and added to the PSB dataset.

Collaboration Agreement

Latitude entered a non-binding MoU ("MoU") with Betolar Plc ("Betolar") in relation to a collaboration agreement for the investigation of sustainable mining solutions for the development of Latitude 66's Kuusamo Schist Belt Project ("KSB Project" or "the Project") in Northern Finland.

The collaboration will enable the Company to explore potential sustainable mining solutions through the utilisation of Betolar Plc's technology and innovations which will include the potential to minimise carbon emissions.

About Betolar

Betolar Plc is a pioneering Finnish materials technology company driving the green transition in mining and construction. Betolar's mission is to help reduce CO₂ emissions and the use of virgin natural resources.

Betolar develops low-carbon and waste-free solutions for the mining and metals industries, and its Geoprime® solution produces the world's lowest-emission hollow-core slabs. Betolar's AI-powered Data Platform turns industrial side streams into value, accelerates solution development and builds global markets for side streams.

Betolar was founded in 2016 and is domiciled in Kannonkoski, Finland. Betolar is listed on the Nasdaq First North Growth Market. For more information, visit: www.betolar.com.

Greater Duchess JV (Lat66 17.5% free carried interest)⁸

Carnaby Resources holds the Greater Duchess Project in the Mt Isa region of Queensland. The Project includes the Southern Hub Tenements, where Lat66 holds a 17.5% free-carried interest in EPM 9083, EPM 11013, EPM 14366, EPM 14369, EPM 17637, EPM 18223, EPM 18990, EPM 19008, EPM 25435, EPM 25439, EPM 25853, EPM 25972.

Deejay and Jude Prospects

At the Deejay Prospect a single first pass RC hole was drilled and intersected an encouraging broad zone of mostly secondary copper mineralisation in transitional material over a broad zone with some primary chalcopyrite mineralisation present. Downhole EM will be completed on the hole prior to any further drilling. Assays are pending however pXRF readings recorded the following downhole interval;

⁸ ASX Announcement 29 August 2024 – Drilling Update - CNB

SCRC011 21m @ 0.6% Cu from 26m

Approximately 300m north of DeeJay, three first pass RC holes were drilled at the Jude Prospect recording narrow intervals of copper mineralisation. Assays results are pending however pXRF readings through calico bags recorded anomalous downhole copper results in;

SCRC012 2m @ 1.1% Cu from 45m

SCRC014 2m @ 0.6% Cu from 49m

Lady Fanny Prospect

Assay results from four RC holes have been received exploring for the northern extension of the Lady Fanny shear hosted copper gold mineralisation (Figure 12).

Drill hole LFRC271 intersected shallow high grade copper gold mineralisation in a new mineralised structure west of any previous drilling and completely open to the north and requiring follow up drilling. The assay result in LFRC271 recorded **3m @ 3.2% Cu, 2.2g/t Au from 91m**.

Drill results from LFRC263 intersected 20m @ 0.6% Cu from surface. Drill holes targeting the interpreted upper northern plunge of Lady Fanny intersected minor copper mineralisation.

Assay results from the drilling include the following downhole intersections;

LFRC263 20m @ 0.6% Cu, 0.1g/t Au from surface

LFRC268 3m @ 0.5% Cu, 0.02g/t Au from 166m

LFRC270 2m @ 0.5% Cu, 0.4g/t Au from 142m

LFRC271 **3m @ 3.2% Cu, 2.2g/t Au from 91m including 1m @ 7.6% Cu, 3.8g/t Au**

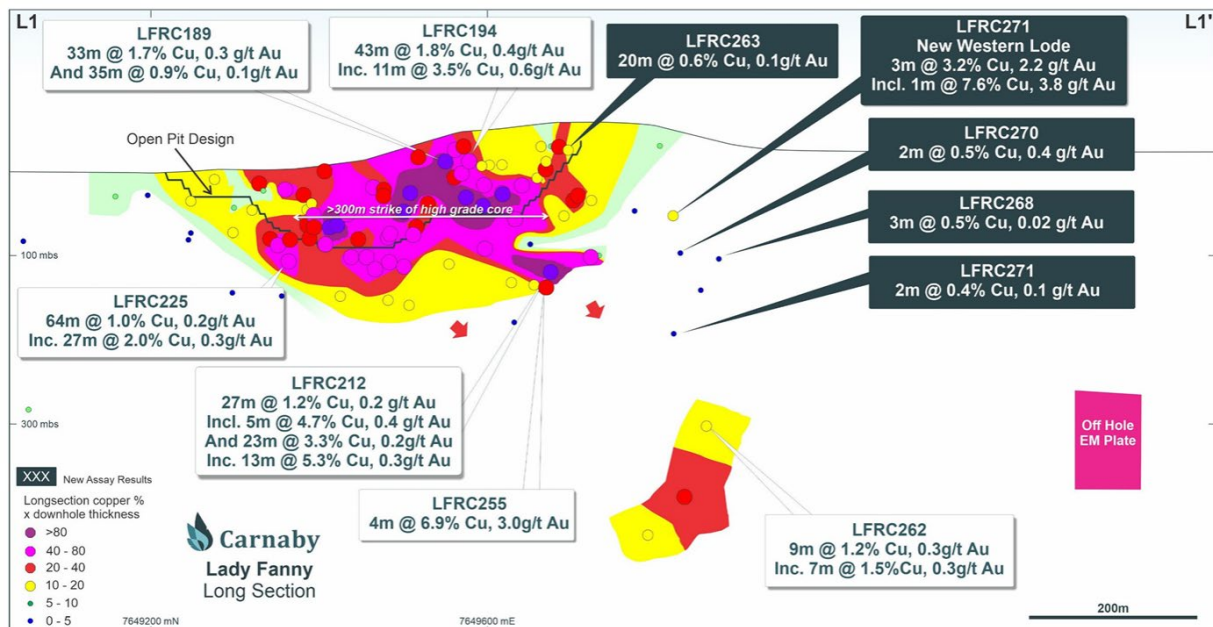


Figure 12: Lady Fanny Long Section showing location of new drill holes.

Sylvania (Lat66 100%)

The Sylvania Option Agreement over the Sylvania Project with Rio Tinto was terminated during the quarter⁹.

The withdrawal follows the completion of the drill programme and testwork undertaken by Rio Tinto, to assess the potential to produce a magnetite concentrate from the iron formation. This testwork had relatively negative results in respect of concentrate quality and recovery relative to grind size.

Edjudina (Lat66 100%)

No exploration was undertaken during the quarter.

Corporate

ASX Re-instatement

Following confirmation from the ASX that it would reinstate the Company's share to Official Quotation on the ASX, subject to the satisfaction of certain customary conditions, the Company was able to complete the Latitude 66 Cobalt transaction.

The Company's shares resumed trading under the ticker LAT on 4 July 2024.

Change of Registered Office & Principal Place of Business

On 14 October 2024 the Company changed its registered office and principal place of business to Level 2, 25 Richardson Street, WEST PERTH WA 6005

Appointment of CFO

The Company is pleased to announce the appointment Ms. Lucia McLean as Chief Financial Officer (CFO) following the resignation of Paul Bridson.

Lucia is a Chartered Accountant with over 30 years' experience in finance, accounting and company secretarial services in private, public and listed companies in Australia, UK and South Africa. She holds a Bachelor of Commerce and Higher Diploma in Accountancy from Rhodes University, South Africa and is a member of the Institute of Chartered Accountants. Lucia is a Senior Manager with Automic CFO Advisory.

The Company has engaged Lucia through Automic Finance, a leading accounting and finance consulting group. This provides a cost effective and well qualified CFO position for Latitude 66. Lucia will commence with Latitude 66 in the capacity of CFO from 1 November 2024.

The Board and management team wish Paul all the very best and thank him for his outstanding contribution to the Company.

Cash Reserves and Cashflow Disclosures

As at 30 September 2024, Lat66 had cash reserves of \$3.3m, no corporate debt and minimal long-term commitments. Operating cash outflows for the Quarter included payments for exploration and evaluation activities of \$1.3m.

As disclosed in item 6.1 of the Company's Appendix 5B, payments to related parties totalled \$191K for the quarter and consisted of remuneration paid to executive and non-executive directors in line with their service and employment agreements.

⁹ Refer ASX Announcement dated 3 May 2022 for further details

Tenements

In accordance with ASX Listing Rule 5.3.3, details of the tenements held, tenement movements and farm-in and farm-out arrangements during and at the end of the Quarter are set out in Appendix 1 to this report.

Shareholder Information

As at 30 September 2024, Lat66 had 178,025,950 fully paid Ordinary shares on issue and 2,149 Shareholders. The top 20 shareholders held approximately 50.8% of the Company's shares.

The Company also had 2,503,750 unlisted options on issue exercisable at prices between \$0.30 and \$0.95 and 16.55m performance rights.

Use of Funds Comparison

As per Listing Rule 5.3.4 the Company has prepared a comparison of the Company's actual expenditure on the individual items in the "Use of Funds" statement since the date of admission to the official list against the estimated expenditure on those items in the "Use of Funds" statement in the Prospectus dated 26 April 2024 in Table 2 below:

Category	Use of Funds Estimate (\$)	Expenditure to 30 September 2024 (\$)	Remaining Balance (\$)	Comments
Finland	2,860,000	2,137,499	722,501	Aligning with the exploration strategy of the Company
Australia	1,000,000	419,181	580,819	On track
Expenses of the Offer and Transaction	861,000	934,392	(73,392)	Completed
Administration costs and Working capital	2,779,000	702,165	2,076,835	On track
Total	7,500,000	4,193,237	3,306,763	

Table 2: Use of funds versus actual expenditure to 30 September 2024

In general, expenditure is on track and in line with expectations and budget for an active exploration company. Exploration on the Finland Projects is being incurred to align with the exploration strategy of the Company. The costs related to the completion of the re-compliance were higher than anticipated, which was primarily due to legal and accounting complexities. No material costs from re-compliance are expected to be incurred in future quarters. The Company has reduced administrative costs and will continue to do so to enable funding towards exploration activities.

The cumulative expenditure to 30 September includes expenses incurred from the Prospectus date to 30 September 2024.

At a macroeconomic level, general increases in cost levels have risen in recent times, and the Company will monitor these factors and manage its forecast expenditure and cashflow requirements as required.

- Ends -

This announcement has been authorised for release by the Board.

For further information and investor enquiries, please contact:

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Amalie Schreurs - amalie@whitenoisecomms.com
Jason Mack – jason@whitenoisecomms.com
Investor Relations

About Latitude 66

Latitude 66 is a Finnish and Australian based company, focusing on the exploration and development of gold and critical minerals. The Company's primary focus lies in the Kuusamo Schist Belt Project (KSB Project) situated in Northern Finland. This flagship project boasts a substantial high-grade gold-cobalt mineral resource, with over 85% categorised as Indicated, totaling 650,000 ounces of gold at 2.7 grams per tonne (g/t) and 5,800 tonnes of cobalt at 0.08%.

In addition to the KSB Project, Latitude 66 holds a 17.5% free-carried interest in Carnaby Resources' Greater Duchess Project, strategically located in the Mt Isa Copper district.

Furthermore, Latitude 66 is actively engaged in the exploration of two promising gold projects in Western Australia: the Sylvania and Edjudina Projects.

Forward Looking Statement

The forward-looking statements in this announcement are based on the Company's current expectations about future events. They are, however, subject to known and unknown risks, uncertainties and assumptions, many of which are outside the control of the Company and its Directors, which could cause actual results, performance or achievements to differ materially from future results, performance or achievements expressed or implied by the forward looking.

Competent Persons Statement

The information in this announcement that relates to Exploration Results is based on and fairly represents information and supporting documentation compiled by Mr Toby Wellman, a competent person who is a Member of The Australasian Institute of Mining and Metallurgy (MAusIMM). Mr Wellman has sufficient experience that is 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 the Technical Director of Latitude 66 Limited and consents to the inclusion in this announcement of the Exploration Results in the form and context in which they appear.

APPENDIX 1 – Additional Information Required under Listing Rule 5.3.3

Mining tenements held at the end of the Quarter and their location:

AUSTRALIA

Tenement	Holder(s)	Percentage Held by Group	Status
Edjudina Gold Project – South Laverton, WA			
E39/1765	Latitude 66 Ltd/Gateway Mining Limited	80%	Granted
E39/1882	Latitude 66 Ltd/Gateway Mining Limited	80%	Granted
E28/2884	Latitude 66 Ltd/Crest Investment Group Limited	80%	Granted
E31/1187	Latitude 66 Ltd/Crest Investment Group Limited	80%	Granted
E31/1198	Latitude 66 Ltd/Crest Investment Group Limited	80%	Granted
E31/1227	Latitude 66 Ltd/Crest Investment Group Limited	80%	Granted
E39/2102	Latitude 66 Ltd/Crest Investment Group Limited	80%	Granted
E39/2126	Latitude 66 Ltd/Crest Investment Group Limited	80%	Granted
P31/2126	Latitude 66 Ltd/Crest Investment Group Limited	80%	Granted
P31/2125	Latitude 66 Ltd/Crest Investment Group Limited	80%	Granted
E39/2178	Latitude 66 Ltd	100%	Granted
E39/2181	Latitude 66 Ltd	100%	Granted
E39/2182	Latitude 66 Ltd	100%	Granted
E39/2186	Latitude 66 Ltd	100%	Granted
E39/2344	Latitude 66 Ltd	-	Application
E39/2334	Latitude 66 Ltd	100%	Granted
E31/1360	Latitude 66 Ltd	100%	Granted
Sylvania Gold & Base Metals Project – Newman, WA			
E52/3638	Lighthouse Resource Holdings Pty Ltd	100%	Granted
E52/3884	Latitude 66 Ltd	-	Application
E52/3366	Lighthouse Resource Holdings Pty Ltd	100%	Granted
E52/3365	Lighthouse Resource Holdings Pty Ltd	100%	Granted
E52/3784	Lighthouse Resource Holdings Pty Ltd	100%	Granted
E52/3887	Lighthouse Resource Holdings Pty Ltd	100%	Granted
E52/3997	Lighthouse Resource Holdings Pty Ltd/Crest Investment Group 3 Limited	90%	Granted
E52/3889	Lighthouse Resource Holdings Pty Ltd	100%	Granted
E52/3996	Lighthouse Resource Holdings Pty Ltd/Crest Investment Group 3 Limited	90%	Granted
E52/3780	Lighthouse Resource Holdings Pty Ltd/Crest Investment Group 3 Limited	90%	Granted
E52/3890	Lighthouse Resource Holdings Pty Ltd	100%	Granted
E52/3995	Lighthouse Resource Holdings Pty Ltd	100%	Granted
E52/3888	Lighthouse Resource Holdings Pty Ltd	100%	Granted
E52/3980	Lighthouse Resource Holdings Pty Ltd	100%	Granted
Other Projects – Regional WA			
E27/695	Latitude 66 Ltd	100%	Granted
E45/6778	Wedgetail Exploration Pty Ltd	-	Application

E59/2833	Wedgetail Exploration Pty Ltd	-	Application
E57/1277	Wedgetail Exploration Pty Ltd	-	Application
E27/723	Wedgetail Exploration Pty Ltd	-	Application
E27/724	Wedgetail Exploration Pty Ltd	-	Application
E59/2833	Wedgetail Exploration Pty Ltd	-	Application
Greater Duchess Joint Venture – Mt Isa, Queensland			
EPM 14366	Carnaby Resources Limited/DiscovEx Resources Limited	17.5%	Granted
EPM 14369	Carnaby Resources Limited/DiscovEx Resources Limited	17.5%	Granted
EPM 17637	Carnaby Resources Limited/DiscovEx Resources Limited	17.5%	Granted
EPM 18223	Carnaby Resources Limited/DiscovEx Resources Limited	17.5%	Granted
EPM 18980	Carnaby Resources Limited/DiscovEx Resources Limited	17.5%	Granted
EPM 19008	Carnaby Resources Limited/DiscovEx Resources Limited	17.5%	Granted
EPM 25435	Carnaby Resources Limited/DiscovEx Resources Limited	17.5%	Granted
EPM 25439	Carnaby Resources Limited/DiscovEx Resources Limited	17.5%	Granted
EPM 25853	Carnaby Resources Limited/DiscovEx Resources Limited	17.5%	Granted
EPM 9083	Carnaby Resources Limited/DiscovEx Resources Limited	17.5%	Granted
EPM 11013	Carnaby Resources Limited/DiscovEx Resources Limited	17.5%	Granted
EPM 25972	Carnaby Resources Limited/DiscovEx Resources Limited	17.5%	Granted
Net Smelter Return Royalty – Mt Isa, Queensland			
EPM 13870	Syndicated Royalties Pty Ltd/Hammer Metals Limited	2% NSR	Granted

FINLAND*

Tenement	Name	Holder(s)	Percentage Held by Group	Status
Mining Concessions				
3965	Juomasuo	Latitude 66 Cobalt Oy	100%	Granted
Valid Exploration Permits				
ML2019:0050	Hangaslampi 1	Latitude 66 Cobalt Oy	100%	Granted
ML2011:0022	Ollinsuo	Latitude 66 Cobalt Oy	100%	Granted
ML2018:0098	Haarakumpu 1	Latitude 66 Cobalt Oy	100%	Granted
ML2020:0008	Haarakumpu A	Latitude 66 Cobalt Oy	100%	Granted
ML2020:0018	Haarakumpu B	Latitude 66 Cobalt Oy	100%	Granted
ML2022:0007	Pattasoja 2	Latitude 66 Cobalt Oy	100%	Granted
Granted Exploration Permits				
ML2020:0050	Kuusamo Pohjoinen	Latitude 66 Cobalt Oy	100%	Granted
ML2021:0148	Kuusamo Pohjoinen 2	Latitude 66 Cobalt Oy	100%	Granted
ML2019:0046	Kuohusuo	Latitude 66 Cobalt Oy	100%	Granted
ML2018:0087	Maaninkavaara 1	Latitude 66 Cobalt Oy	100%	Granted
ML2019:0047	Maaninkavaara 2	Latitude 66 Cobalt Oy	100%	Granted
ML2018:0101	Vilkaslampi	Latitude 66 Cobalt Oy	100%	Granted
ML2018:0102	Valkamalahti	Latitude 66 Cobalt Oy	100%	Granted
ML2018:0099	Kivivaara	Latitude 66 Cobalt Oy	100%	Granted
ML2018:0048	Ollinsuo 2	Latitude 66 Cobalt Oy	100%	Granted

ML2018:0050	Isosomeronhauta 1	Latitude 66 Cobalt Oy	100%	Granted
ML2019:0074	Säynäjävaara	Latitude 66 Cobalt Oy	100%	Granted
Pending Exploration Permit Applications				
ML2021:0052	Mäntyvaara	Latitude 66 Cobalt Oy	-	Application
ML2021:0054	Suonna	Latitude 66 Cobalt Oy	-	Application
ML2023:0045	Petäjäselkä	Latitude 66 Cobalt Oy	-	Application
ML2023:0038	Jäkälälampi	Latitude 66 Cobalt Oy	-	Application
ML2023:0043	Peräkangas	Latitude 66 Cobalt Oy	-	Application
ML2023:0046	Muikkuvaara	Latitude 66 Cobalt Oy	-	Application
ML2023:0042	Vaarasuo	Latitude 66 Cobalt Oy	-	Application
ML2023:0044	Kuppiaho	Latitude 66 Cobalt Oy	-	Application
ML2023:0048	Aneenvaara	Latitude 66 Cobalt Oy	-	Application
ML2019:0044	Kätkytvaara 1	Latitude 66 Cobalt Oy	-	Application
ML2019:0045	Kätkytvaara 2	Latitude 66 Cobalt Oy	-	Application
ML2020:0021	Sarvivaara Itäinen	Latitude 66 Cobalt Oy	-	Application
ML2021:0147	Salla Eteläinen 2	Latitude 66 Cobalt Oy	-	Application
ML2023:0040	Vaadinsekä	Latitude 66 Cobalt Oy	-	Application
ML2023:0041	Tuohivaara	Latitude 66 Cobalt Oy	-	Application
ML2021:0007	Kainuu 2	Latitude 66 Cobalt Oy	-	Application
ML2023:0066	Valkiainen	Latitude 66 Cobalt Oy	-	Application
ML2023:0063	Aska	Latitude 66 Cobalt Oy	-	Application
ML2023:0067	Kenttäkylä	Latitude 66 Cobalt Oy	-	Application
ML2023:0069	Maiskonsuo	Latitude 66 Cobalt Oy	-	Application
ML2023:0060	Koplansuo	Latitude 66 Cobalt Oy	-	Application
ML2023:0068	Lampisuo	Latitude 66 Cobalt Oy	-	Application
ML2021:0100	Salmiaapa	Latitude 66 Cobalt Oy	-	Application
ML2021:0095	Petäjäinen	Latitude 66 Cobalt Oy	-	Application
ML2021:0096	Reutu	Latitude 66 Cobalt Oy	-	Application
ML2021:0102	Kiimajänkä	Latitude 66 Cobalt Oy	-	Application
ML2021:0101	Kiviselkä	Latitude 66 Cobalt Oy	-	Application
ML2021:0093	Lapioaapa	Latitude 66 Cobalt Oy	-	Application
ML2021:0105	Misi	Latitude 66 Cobalt Oy	-	Application
ML2021:0094	Murola	Latitude 66 Cobalt Oy	-	Application
ML2021:0104	Niittylampi	Latitude 66 Cobalt Oy	-	Application
ML2021:0103	Oikarainen	Latitude 66 Cobalt Oy	-	Application
ML2021:0106	Palo-Suuas	Latitude 66 Cobalt Oy	-	Application
ML2023:0086	Misi 2	Latitude 66 Cobalt Oy	-	Application
ML2021:0108	CLGB 1	Latitude 66 Cobalt Oy	-	Application
ML2021:0109	CLGB 2	Latitude 66 Cobalt Oy	-	Application
ML2021:0110	CLGB 3	Latitude 66 Cobalt Oy	-	Application
ML2023:0053	Vitikkovuoma	Latitude 66 Cobalt Oy	-	Application
ML2023:0052	Juvakaisenmaa	Latitude 66 Cobalt Oy	-	Application
ML2023:0055	Koivuvaara	Latitude 66 Cobalt Oy	-	Application
ML2023:0056	Tiuraselkä	Latitude 66 Cobalt Oy	-	Application

ML2023:0051	Vesikkovaara	Latitude 66 Cobalt Oy	-	Application
ML2023:0050	Pahkavaara	Latitude 66 Cobalt Oy	-	Application
ML2023:0125	Vinsa	Latitude 66 Cobalt Oy	-	Application
ML2023:0126	Kuntakki	Latitude 66 Cobalt Oy	-	Application
ML2023:0124	Muikkuvaara 2	Latitude 66 Cobalt Oy	-	Application
Reservations				
VA2023:0012	Kemijärvipohjoinen	Latitude 66 Cobalt Oy		Valid
Moratoriums				
4909	Meurastuksenaho	Latitude 66 Cobalt Oy		Moratorium

* Finnish tenements are part of the acquisition of Latitude 66 Cobalt Limited