

## QUARTERLY ACTIVITIES REPORT

For the Quarter ended 31 March 2024

### HIGHLIGHTS

#### Kempfield Project (NSW)

- Detailed geochemical reconnaissance program completed over Sugar Loaf Hill, Henry and Golden Wattle Prospects proximal to the Kempfield and Mt Dudley Deposits, outside the current Kempfield Mineral Resource Estimate (MRE) of **38.9Mt @ 102 g/t silver equivalent for 127.5 million ounces Ag Eq.**
- A total of 607 rock chip samples were collected during the quarter.
- Sugarloaf Hill** Prospect mineralisation extension has now been defined with two main distinct Ag-Pb-Zn mineralised zones over 2.1km in length by an average 300m in width. High-grade silver assays, with highlights including:
  - **318 g/t Ag** in sample 3000298
  - **180 g/t Ag** in sample 3000551
  - **181 g/t Ag** in sample 3000299
  - **154 g/t Ag** in sample 3000295
- Henry Prospect** has been defined as two separate mineralised zones (the largest zone striking approximately 1km x 160m) with both mineralised zones open to the NE and SW. Best results include **23 g/t Au.**
- Golden Wattle Prospect** contains 2 mineralised zones with the mineralised trend spanning over 500m strike length within a 50m wide zone, open to the north and south. Best results include **11.45 g/t Au.**
- Kempfield NW Zone** contains 3 distinct Ag-Pb-Zn mineralised zones within extensive baritic 1.72km zones. High-grade assays results include highlights of:
  - **177 g/t Ag, 1.89% Pb and 0.16% Zn** in sample 3000356
  - **115 g/t Ag and 0.33% Pb** in sample 3000361
  - **104 g/t Ag** in sample 3000328
- Kempfield NE Zone** contains 3 distinct Ag -Zn mineralised zones within the extensive baritic 1 km zones. High-grade assays results include highlights of up to **41g/t Ag.**

#### Copperhead Project (WA)

- Extensive high-grade copper, zinc, cobalt, nickel and silver mineralisation confirmed by rock chip sampling reconnaissance program over Henry East and Barlee South prospects.
- High-grade copper and silver assays up to **21.7% Cu, 8.86 g/t Ag** and **2.34% Zn** with highlights including: **21.7% Cu** in CH217, **18.6% Cu** in CH216 and **13.95% Cu** in CH215.

#### Corporate

- The Company remains well-funded with \$1.46 million cash at the end of quarter

Argent Minerals Limited (ASX: ARD) ("Argent" or "the Company") is pleased to provide the following report on its activities during the quarter ended 31 March 2024.

#### Kempfield Polymetallic Project

The Kempfield Project is located 60km SSW of Cadia Newcrest Gold and Copper Mining Operations in Central West New South Wales, 250 kilometres west of Sydney. This is the Company's flagship project and is registered as a New South Wales State Significant Development Project. The main Kempfield Resources is found in Lodes 100, 200 and 300 (see Figure x) and the Mineral Resource Estimate (MRE) for all categories stands at **38.9Mt @ 102 g/t silver equivalent for 127.5 million ounces Ag Eq**, containing of 42.8Moz silver, 149,200 oz gold, 181,016t lead & 426,900t zinc.

#### ARGENT MINERALS LIMITED

Level 2, 7 Havelock Street, West Perth WA 6005, PO Box 308, West Perth WA 6872

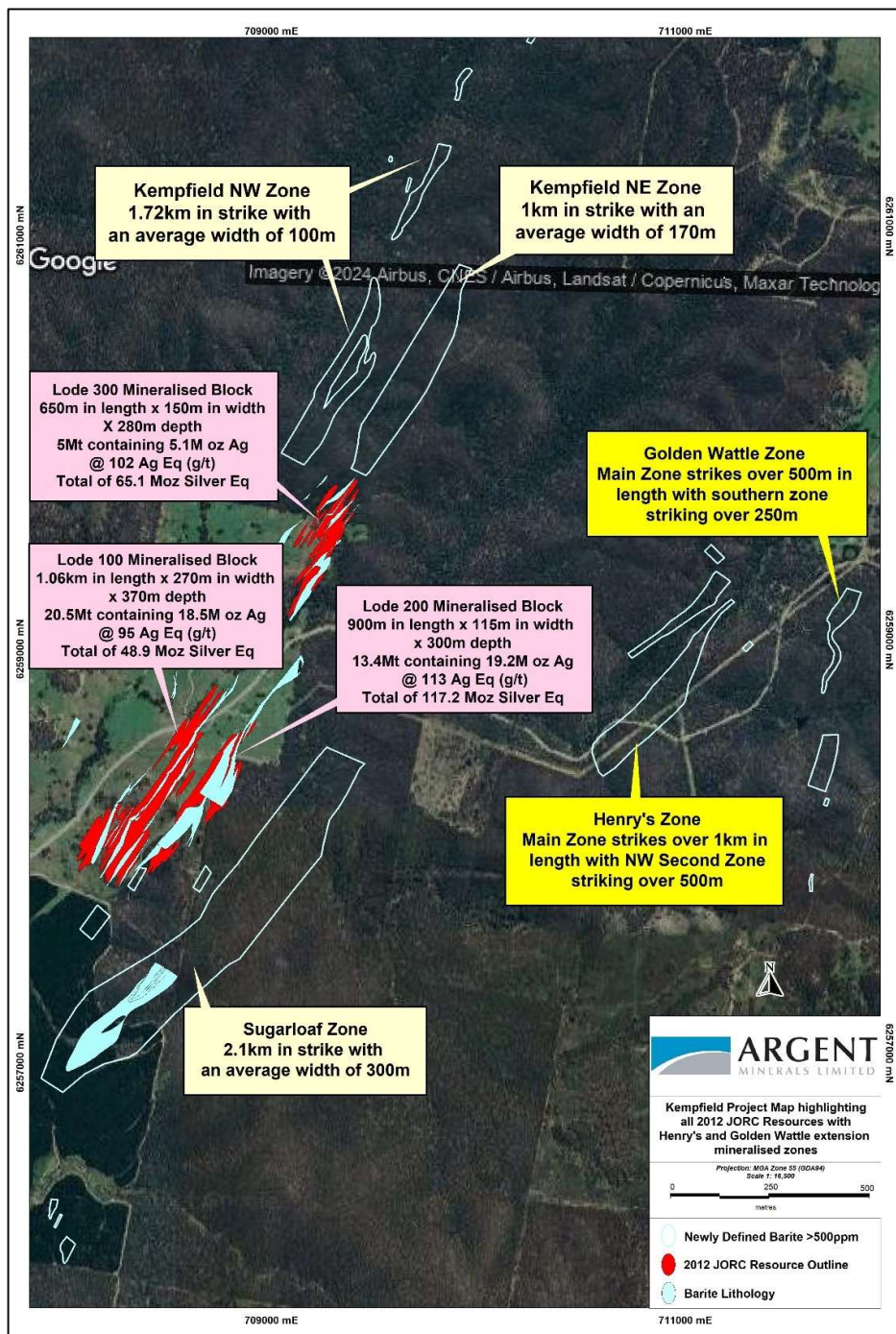
T: +61 8 6311 2818 | E: [info@argentminerals.com.au](mailto:info@argentminerals.com.au)

ABN: 89 124 780 276

## Geochemical Reconnaissance Program

During the quarter, the Company announced results from the detailed geochemical reconnaissance program completed in the December 2023 quarter at the Kempfield Polymetallic Deposit. The program collected a total of 223 rock chip samples across the Kempfield NE trends, Sugarloaf Hill Prospect, Henry's and Golden Wattle Trends (see Figure 1). These areas lie in between both the Kempfield and the Mt Dudley Deposits where little to no modern-day exploration has previously been undertaken.

During the quarter, the Company continued with the geochemical reconnaissance program and collected a total of 607 rock-chip samples across at the Kempfield Project, including Sugarloaf Hill Prospect, Henry's and Golden Wattle Trends, Kempfield NE Zone and Kempfield NW Zone (see Figure 1).



**Figure 1 – Kempfield Location Map showing newly defined area outside known Mineral Resource Area**

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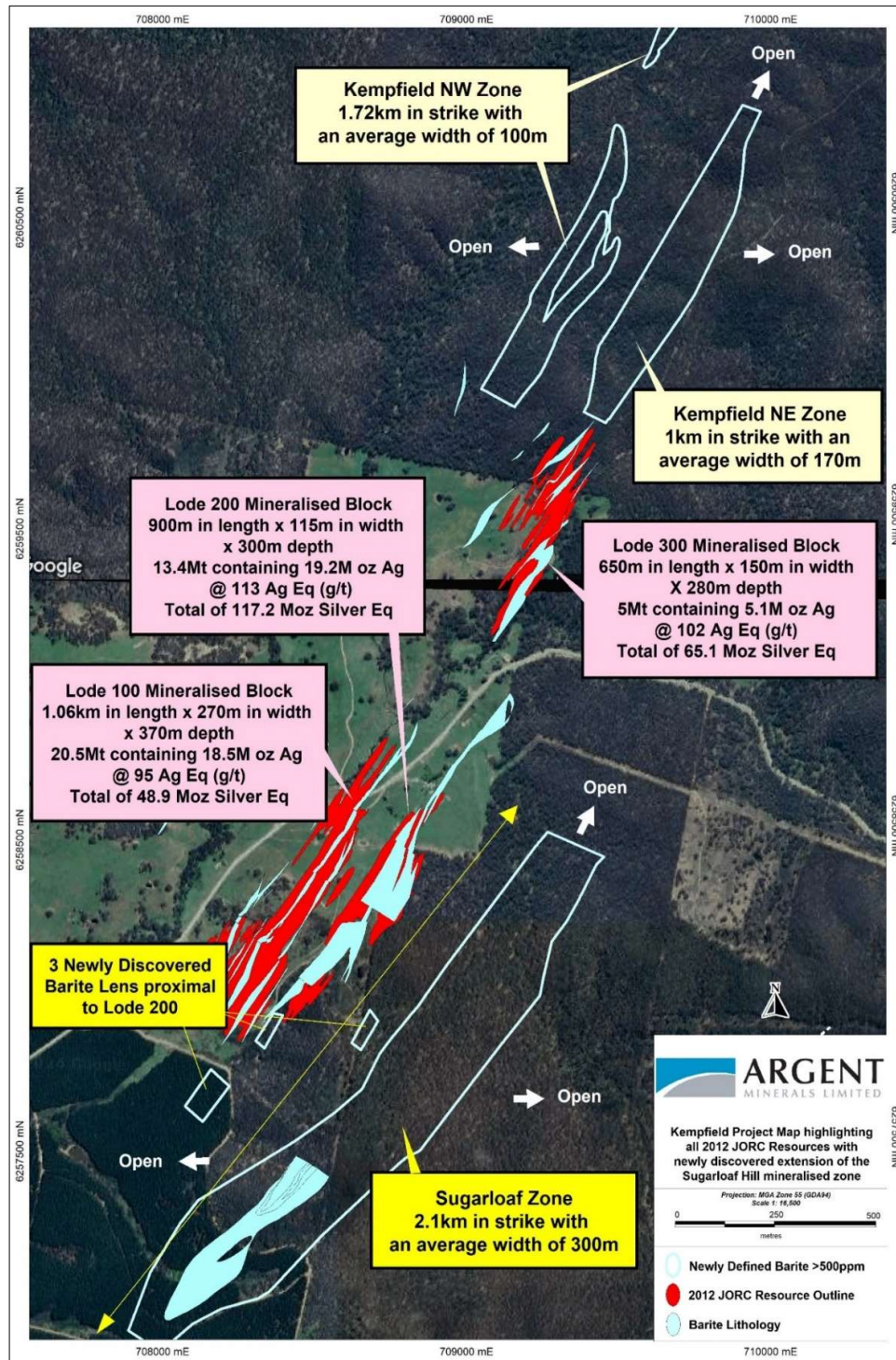
T: +61 8 6311 2818 | E: [info@argentminerals.com.au](mailto:info@argentminerals.com.au)

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## Sugarloaf Hill Prospect

Sugarloaf Hill mineralisation extension is located approx. 450m east of the Lode 200 Block and has now been defined over 2.1km in length by an average width of 300m. The high-grade silver mineralisation is hosted within a metasedimentary baritic lithology with outcropping gossans located within the NE and SW portion of the mineralised zone. The zone is still open to the north-east and east. Two main distinct Ag-Pb-Zn mineralised zones have been delineated within the extensive barite 2.1km zone with the largest silver-base metal zone striking approximately 1.1km in length.



**Figure 2 – Sugarloaf Hill Prospect Location Map outlining 2.1km strike zone**

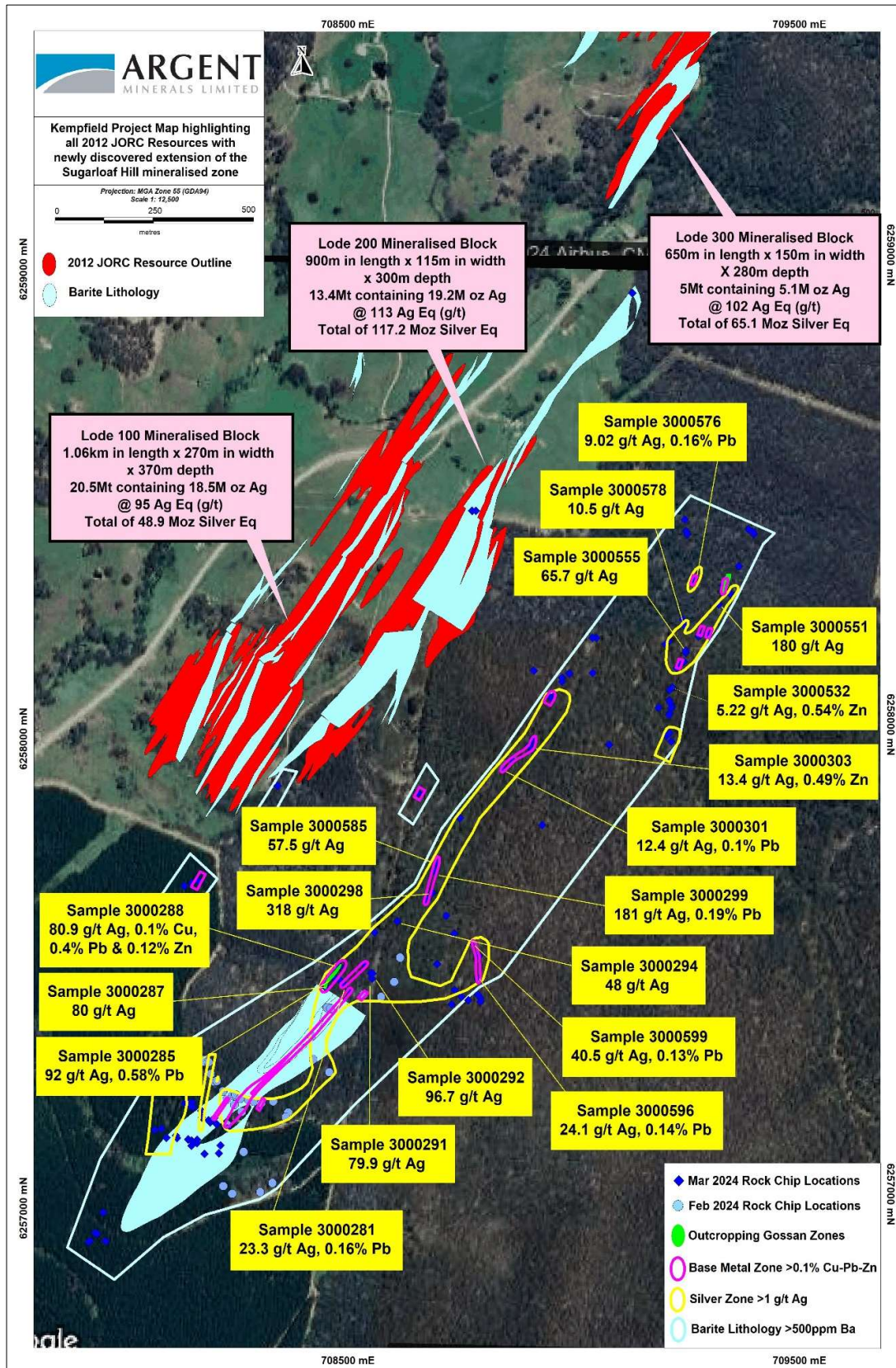
### ARGENT MINERALS LIMITED

Level 2, 7 Havelock Street, West Perth WA 6005, PO Box 308, West Perth WA 6872

T: +61 8 6311 2818 | E: [info@argentminerals.com.au](mailto:info@argentminerals.com.au)

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**Figure 3— Kempfield Project Location Map highlighting some of the high-grade rock chip results over the Sugarloaf Hill Zone**

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Level 2, 7 Havelock Street, West Perth WA 6005, PO Box 308, West Perth WA 6872

T: +61 8 6311 2818 | E: [info@argentminerals.com.au](mailto:info@argentminerals.com.au)

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During the quarter, the Company announced results from the initial geochemical reconnaissance program, an area of very little historic and modern-day exploration. Results from the initial program included high grade silver assays up to 98.1 g/t Ag.

Post-quarter end, Argent announced results from another geochemical reconnaissance programme that collected 136 rock chip samples.

During the fieldwork programme, rock chip samples were collected from untested gossanous outcrops, quartz-sericite, baritic veins and volcanic/barite units east from Lode 200 mineralised block. These types of rock are the key mineralised target lithologies which host the Kempfield Deposit. The high-grade assay results demonstrate the potential of a parallel mineralised system east from the Lode 200 Mineralised Block (refer to Figure 1). The newly extended Sugarloaf Hill Zone is hosted in between localised faults and the Copperhanna Thrust Fault.

The Sugarloaf Hill zone has been divided into 2 separate mineralised areas within an extensive barite zone assaying greater than >500 ppm Ba. Numerous high-grade silver assay results include grades of **318 g/t Ag, 181 g/t Ag, 180 g/t Ag, 96.7 g/t Ag, 92 g/t Ag, 80.9 g/t Ag, 80 g/t Ag, 79.9 g/t Ag, 65.7 g/t Ag, 57.5 g/t Ag and 40.5 g/t Ag (1.30 oz Ag to 10.22 oz Ag/t)** from surface. The sample location and summary of high-grade results are illustrated in Figure 3.



**Figure 4 – Silver mineralisation within ferruginous sandstone yielding **318 g/t Ag, 0.37% Ba** from sample 3000298**



**Figure 5 – Silver mineralisation within ferruginous quartz yielding **183 g/t Ag, 970 ppm Ba** from sample 3000551**

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Level 2, 7 Havelock Street, West Perth WA 6005, PO Box 308, West Perth WA 6872

T: +61 8 6311 2818 | E: [info@argentminerals.com.au](mailto:info@argentminerals.com.au)

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**Figure 6** – Silver-Base Metal mineralisation within gossanous siltstone yielding **80.9 g/t Ag, 0.1% Cu, 0.4% Pb & 0.12% Zn, 0.51% Ba** 3000287 from sample 3000551



**Figure 7** – Silver-Base Metal mineralisation within large baritic boulder yielding **96.7g/t Ag, 0.25% Ba** 3000292

### Henry Prospect Area

The Henry Prospect, located 2km east from main Kempfield Deposit, has been defined as two separate mineralised zones – the largest zone striking approx. 1km x 160m zone – both mineralised zones remain open to the NE and SW.

During the quarter, the Company completed an initial geochemical reconnaissance program to test the Henry's mineralised trend as a possible parallel VMS deposit to the Kempfield resource, based on extensive mapped historical shallow workings and the newly discovered barite composition within the various lithologies. The recent work completed by Argent identified over 850m of continuous shallow diggings, shafts and numerous adits orientated within a north-east direction (Figure 1), within a 1 km mineralised corridor (Figure 8).

The rock chip samples yielded high-grade polymetallic assays up to **14.05 g/t Au, 38.9 g/t Ag, 85.2 g/t Ag, 0.49% Cu and 0.41%.**

Post-quarter end, Argent announced results from a second geochemical reconnaissance program completed in March 2024, having collected 23 rock chip samples with the view of extending the prospectivity of the north-east trending untested silver-base metal zone.

From the rock chip samples collected, gold assay results include grades **of 23 g/t Au, 3.67 g/t Au and 2.31 g/t Au** with silver closely associated with the gold mineralisation. The silver results include **3.39 g/t Ag and 3.05 g/t Ag**, from surface (Table 1 & Figure 2). Lead is elevated up to 0.21% with silver grades consistent throughout the mineralised trend with spot highs **of 6.33 g/t Ag** with high grade barite up to 4,320 ppm.

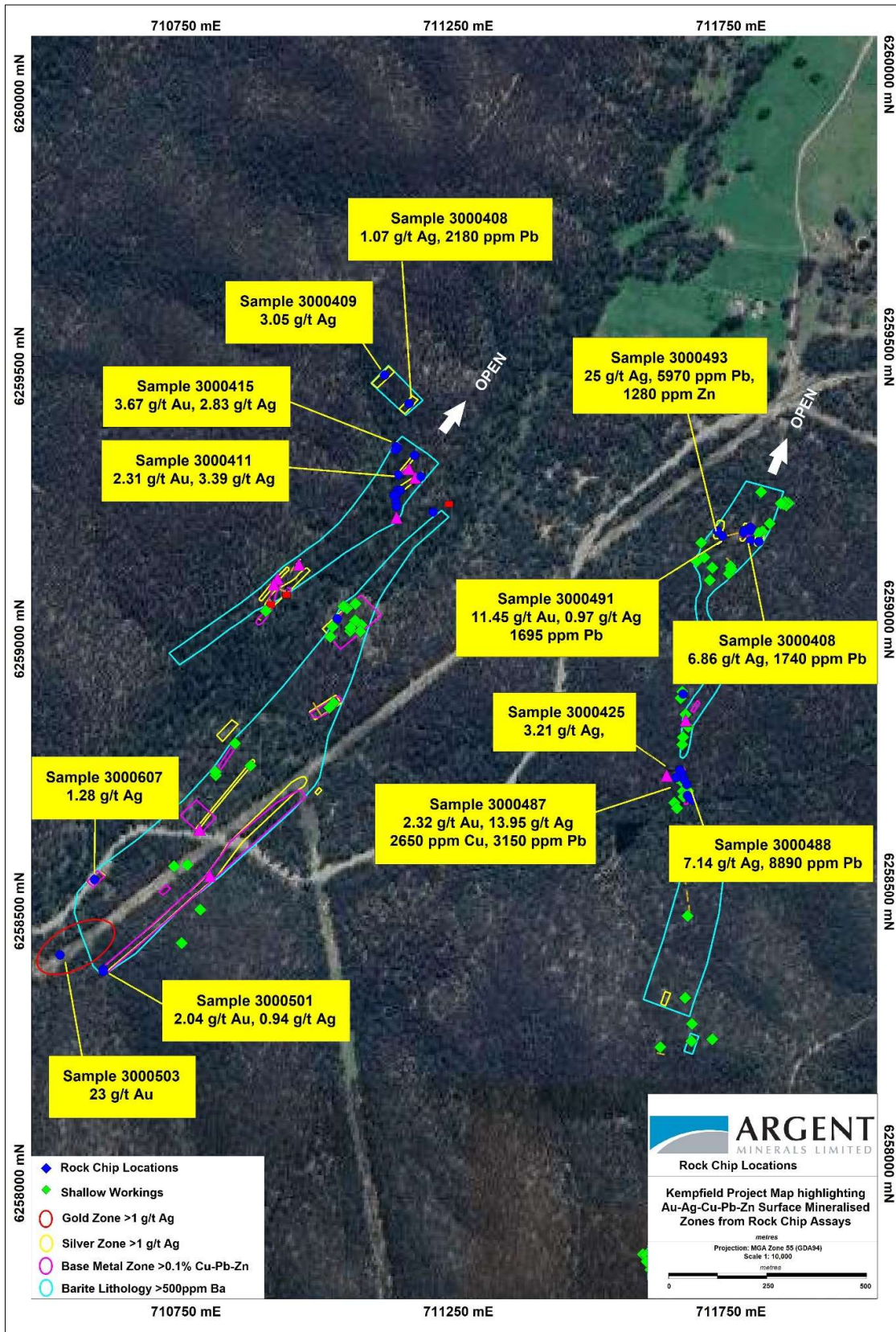
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**Figure 8 – Kempfield Project Location Map highlighting some of the high-grade rock chip results over the Henry's and Golden Wattle Zones**

## Golden Wattle Prospect Area

The Golden Wattle Prospect is located 2.8km east from main Kempfield and 850m north-west of the Mt Dudley Gold Resource. It contains 2 mineralised zone with the mineralised trend spanning over 500m strike length within 50m wide zone – the trend area remains open to the north and south. Over 38 historical working orientated in a north-south direction have been located during the reconnaissance program. During the quarter, the Company announced results from the first rock chip reconnaissance programme, with highlights including assays yielding up to **73.5 g/t Au**, **16.2 g/t Ag** and **1.84% Pb**. During the second rock chip reconnaissance program, 19 rock chip samples were collected with gold assay results up to **11.45 g/t Au**, with silver closely associated with the gold up to **25 g/t Ag** (Figure 8).

## Kempfield NW and NE Zones

During the fieldwork programme 182 rock chip samples were collected from untested gossanous outcrops and baritic volcanic units along strike from the Lode 300 mineralised block. These types of rock are the key mineralised target lithologies which host the Kempfield Deposit.

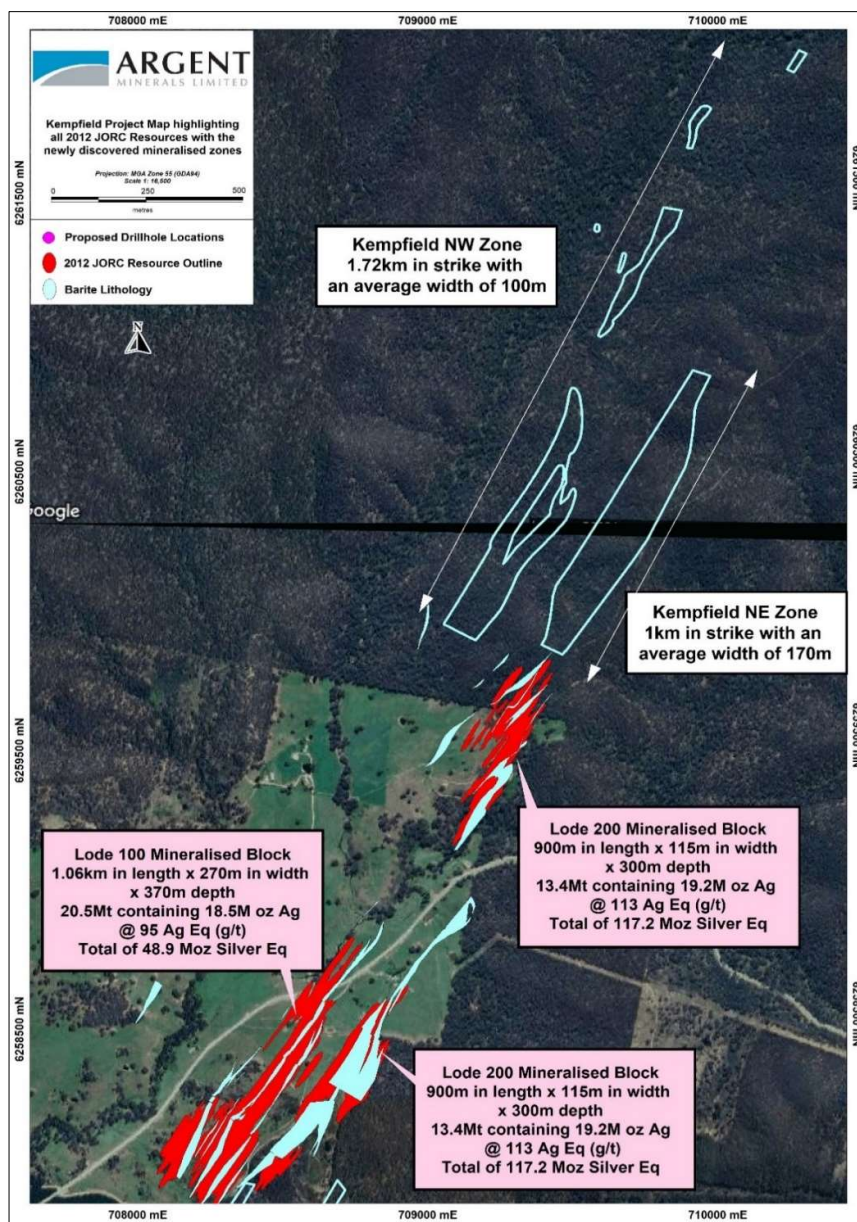


Figure 9 – Kempfield Project Location Map highlighting new zones of discovery.

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T: +61 8 6311 2818 | E: [info@argentminerals.com.au](mailto:info@argentminerals.com.au)

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From the results, two major mineralisation extensions to the Kempfield Deposit have been identified through surface sampling along strike from the Lode 300 Mineralised Block.

A mineralised extension known as the **Kempfield NW Mineralised Zone** is approximately 1.72km along strike with an average width of 100m. The mineralisation is hosted within a gossanous barite lithology with the zone still open to the west and north-east.

The Kempfield NW Zone is hosted proximal to an extensive fault zone with assay results from sample 3000356 which returned a silver grade of **177 g/t Ag (5.7 oz Ag/t)** with **2.11% Cu-Pb-Zn** along with sample 3000361 returned a silver grade of **115 g/t Ag (3.7 oz Ag/t)**. The newly defined NW zone has been divided into 3 separate areas within an extensive barite zone assaying greater than 500 ppm. All silver and base metal mineralisation is hosted within the extensive barite zones. The largest gossans (mainly composed of manganese-iron) are located within the central zone area with a strike length of over 300m averaging a true width of 15m and 20m from surface (refer to Figure 12).

A mineralised extension known as the **Kempfield NE Mineralised Zone** is approximately 1 km along strike with an average width of 170m. The mineralisation is hosted within a gossanous barite volcanic/meta-sediment unit with the zone still open to the North-East and East.

The Kempfield NE Zone returned silver assays **over 30 ppm (1 oz Ag)** from samples 3000452, 3000453 and 3000470 with strongly anomalous base metals associated within an extensive barite horizon. The high-grade rock chip samples were largely associated with outcropping gossans within a barite zone (>500 ppm). The central and northern areas have strong base-metal anomalism greater than 1,000 ppm associated with the silver. The sample location and summary of high-grade results are illustrated in Figure 12.



**Figure 10 – Silver-Base metal mineralisation within ferruginous gossan yielding **177 g/t Ag**, **2.11% Cu-Pb-Zn** & **>1% Ba** from sample 300356**



**Figure 11 – Silver-Base metal mineralisation within oxidised barite yielding **115 g/t Ag** from sample 300361**

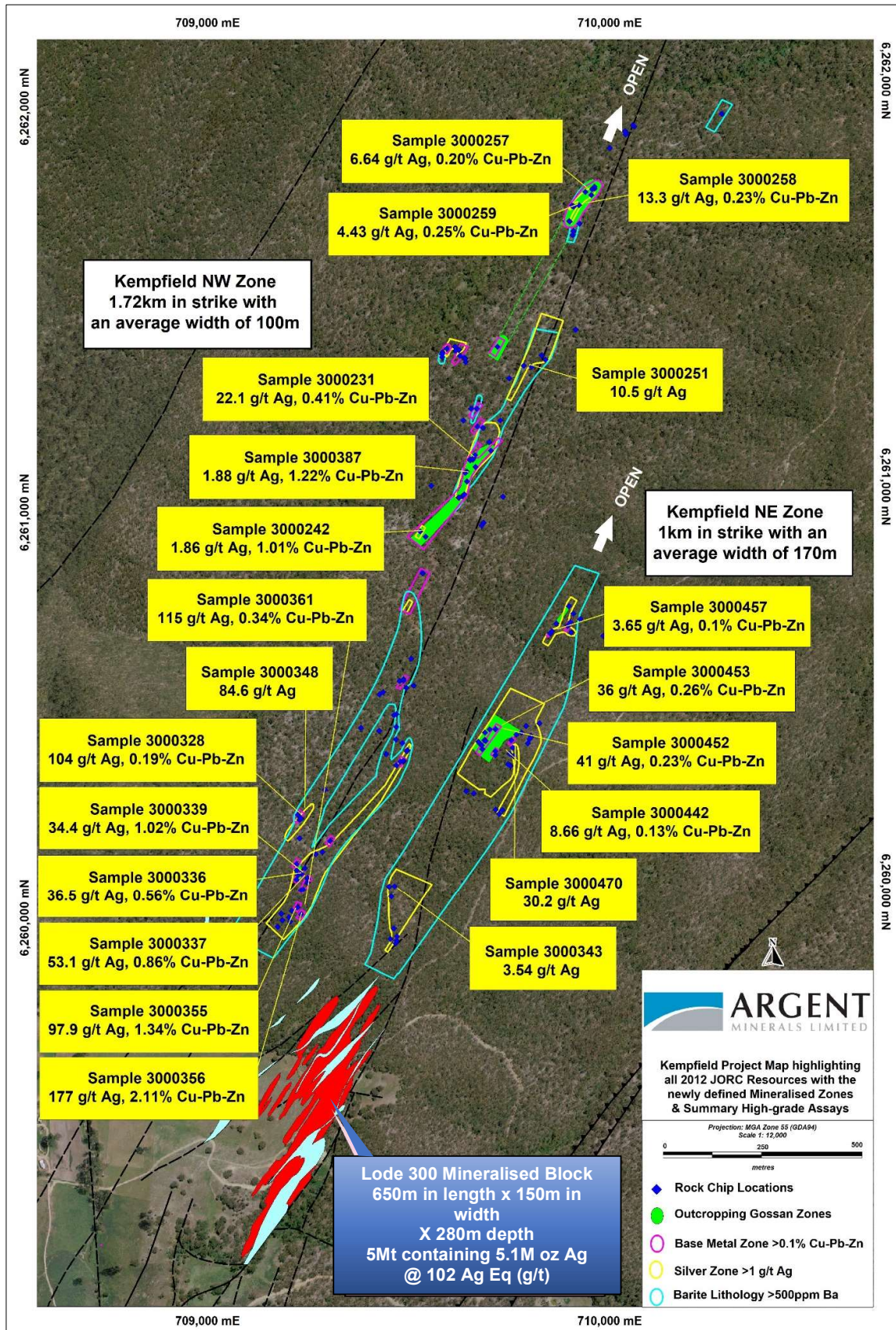
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**Figure 12 – Kempfield Project Location Map highlighting high-grade rock chip results**

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### Reverse Circulation Drilling Program

Post-quarter end, the Company reported a 12-hole, 1,036m reverse circulation drilling program had been completed within the Gap Zone and Southern Lode 200 area. Results are pending.



**Figure 13 – RC Drill Rig commencing the drilling of the first hole**

### Copperhead Reconnaissance Rock Chip Sampling Exploration

During the quarter, the Company released additional results from a geochemical reconnaissance program completed in the previous quarter.

### Exploration Licence E08/3460 “Henry East Prospect Area”

The Henry East Prospect area is located on the western limb of a synclinal structure within a strongly mineralised 200m x 200m zone, where samples containing malachite were collected over. This area remains open. In this area, 11 samples (CH166-CH168, CH211-CH217 & CH258) were collected, containing malachite and varying amounts of chrysocolla and azurite.

The copper mineralisation thickness varies between 2m and a maximum thickness of 6m. The strike varies from 340°- 015° with the dip varying from -15° - 30° to the west. The Company has received high-grade results up to **21.7% Cu** and **8.86% Ag** (refer to Table 1).

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TABLE 1- Rock Chip Assay Results – Henry East Prospect

Sample No	Prospect	Easting (GDA94)	Northing (GDA94)	Ag g/t	Cu %	Zn ppm	Co ppm	Lithological Description
CH166	Henry East	383898	7402241	0.87	2.49	139	15	Numerous malachite stringers overall over 6m thick
CH167	Henry East	383904	7402241	0.68	1.80	130	27	Ferruginous layer with malachite near middle
CH168	Henry East	383942	7402143	8.86	10.2	2430	1045	Ferruginous layer with malachite over 3m wide
CH211	Henry East	383966	7402103	0.42	7.99	272	15	Western edge malachite in stringers and joints, 160° strike
CH212	Henry East	383973	7402104	0.33	3.35	1395	98	Middle malachite in stringers and joints
CH213	Henry East	383978	7402112	0.83	8.64	837	40	Eastern edge malachite as stringers and joints
CH214	Henry East	383914	7402237	1.49	6.36	218	91	Eastern edge at floor of creek
CH215	Henry East	383908	7402298	0.33	13.95	278	201	Malachite in creek 15° dip to west
CH216	Henry East	383937	7402308	0.29	18.6	418	660	Malachite as stringers and in joints on side of hill
CH217	Henry East	383964	7402224	0.54	21.7	696	202	Malachite as stringers and joints in creek
CH258	Henry East	384089	7402310	0.43	9.69	121	11	Malachite in veins and layers generally weak over 3m thick

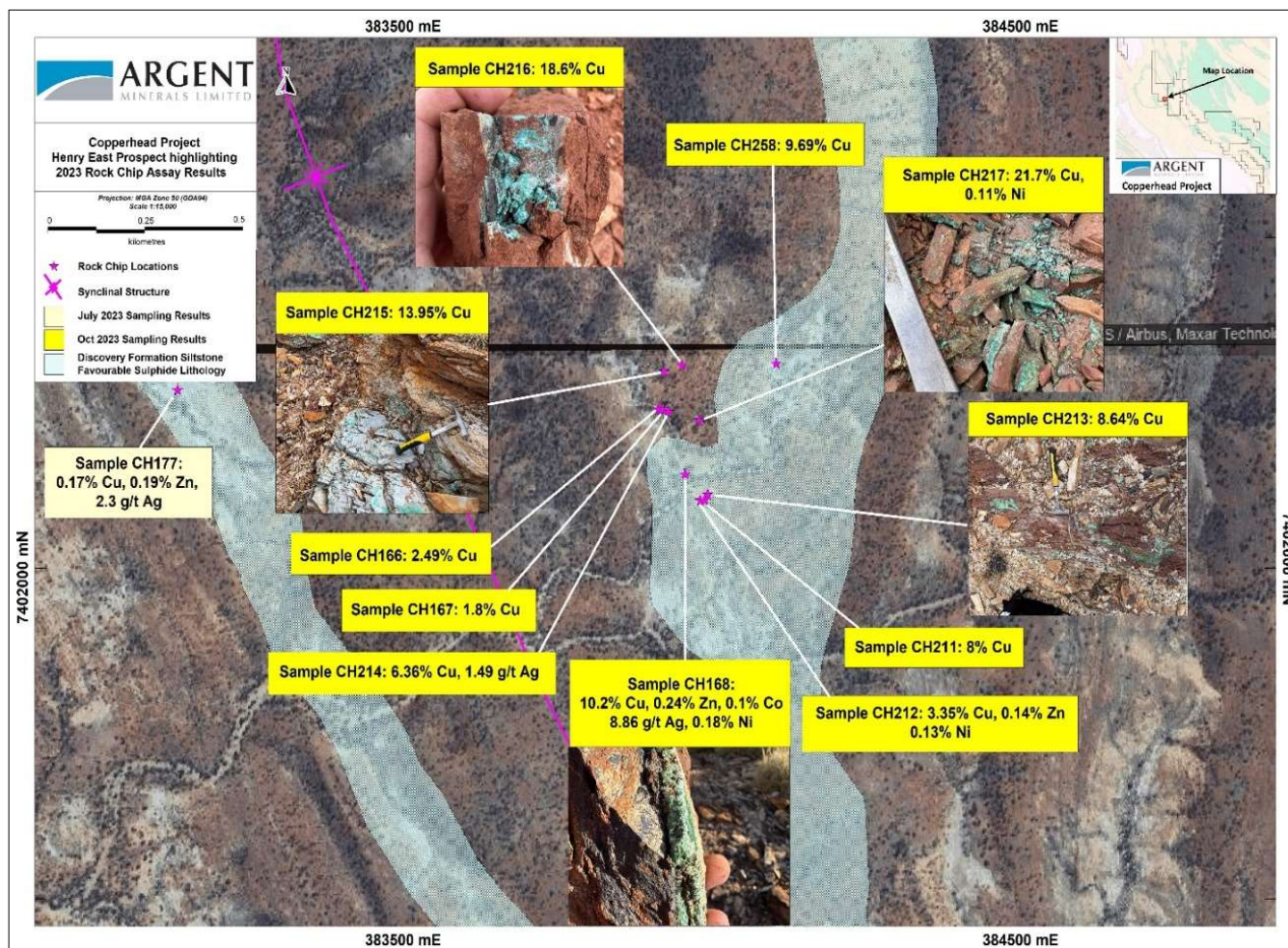


Figure 14 – Henry East Prospect area highlighting the extensive Cu-Ag-Zn mineralisation

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**Figure 15** – Rock Chip Sample CH213 - Malachite eastern edge of 8-10m copper zone, strike 160° dip -30. Assay Results: **8.64% Cu**



**Figure 16** – Rock Chip Sample CH215 - Layered Malachite in creek bed, dipping 15° to west  
Assay Results: **13.95% Cu**

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T: +61 8 6311 2818 | E: [info@argentminerals.com.au](mailto:info@argentminerals.com.au)

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### Exploration Licence E08/3369 “Barlee South Prospect Area”

The Barlee South Prospect area is located on a regional synclinal structure with 5.5km of known mineralisation, which remains open. The high-grade Cu-Zn-Ag-Ni-Co mineralisation zone is located on the synclinal fold hinge. In this area, 9 samples (CH158-CH165, & CH178) were collected, containing malachite and varying amounts of chrysocolla and azurite. The malachite generally occurs as small numerous stringers and as joint coatings. The Company has received results from 9 samples up to **6.27% Cu** and **2.34% Zn** (refer Table 2).

Sample No	Prospect	Easting (GDA94)	Northing (GDA94)	Ag g/t	Cu %	Zn %	Co %	Ni %	Lithological Description
CH158	Barlee South	388729	7409275	0.31	<b>1.79</b>	<b>0.58</b>	<b>0.1</b>	<b>0.21</b>	Gossanous ironstone with malachite
CH159	Barlee South	388734	7409284	<b>1.14</b>	<b>6.27</b>	<b>2.34</b>	<b>0.2</b>	<b>0.75</b>	Malachite in bleached siltstone, 40° dip to 140°
CH160	Barlee South	388714	7409283	<b>1.57</b>	0.12				10cm small ferruginous quartz vein 30° dip to 150°
CH161	Barlee South	390101	7408036	<b>3.67</b>	0.14	<b>0.1</b>			Ferruginous layer in bleached siltstone, 144° strike and dip 60° to west
CH162	Barlee South	390106	7408013	0.09	0.01				Small pink dyke/fault strike 110 dip 60° south
CH163	Barlee South	390138	7407861	<b>1.51</b>	0.07				Yellow brown ferruginous layer in bleached siltstone
CH164	Barlee South	389491	7406257	<b>2.0</b>	0.12	<b>0.14</b>			Gossanous ironstone with goethite
CH165	Barlee South	388729	7409275	0.53	<b>1.39</b>				Numerous small stringers of malachite over 3m wide 165° strike dip -65° east
CH178	Barlee South	390087	7410181	<b>1.73</b>	0.05	<b>0.22</b>			Ferruginous siltstone in bleached siltstone

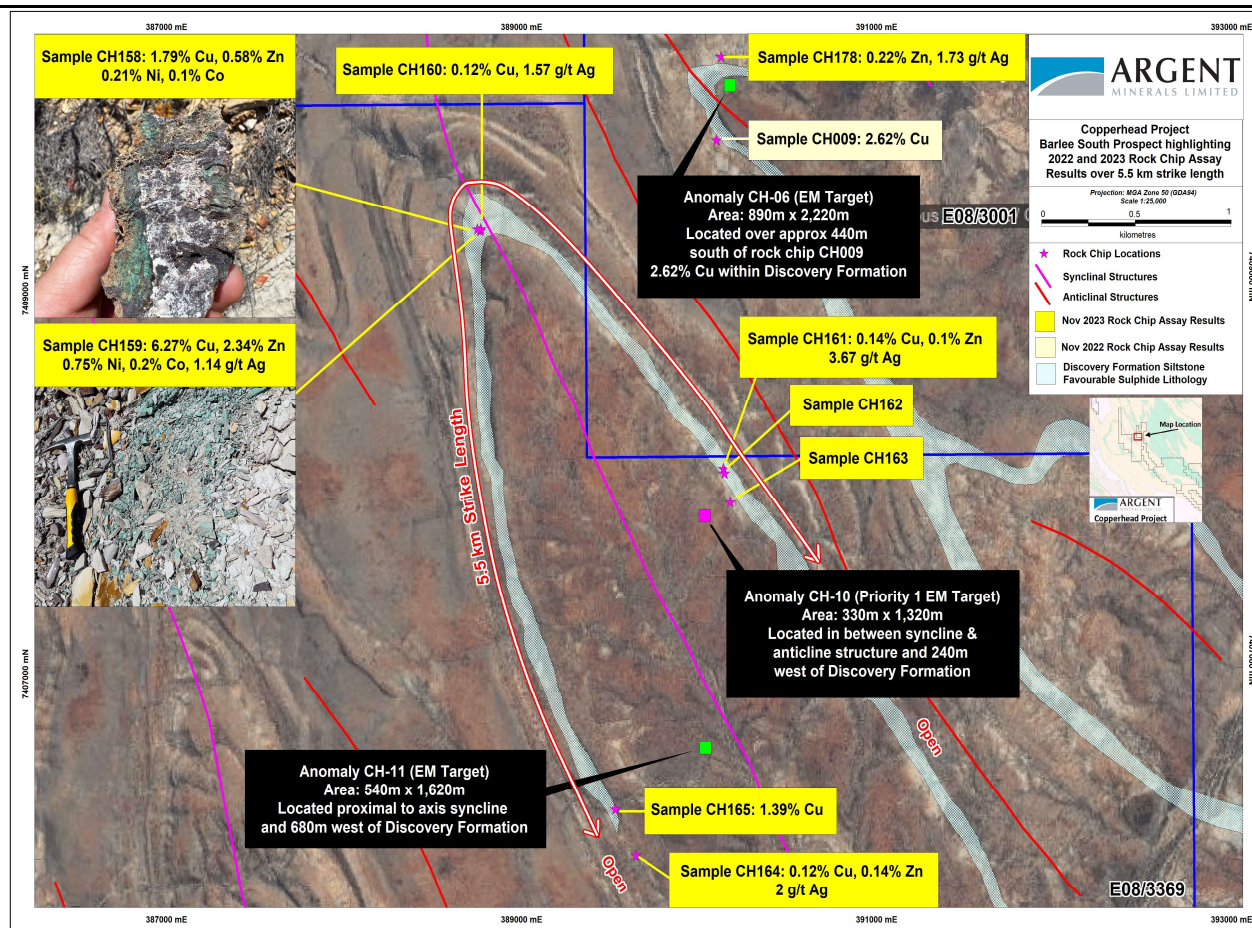


Figure 17 – Barlee South Prospect area highlighting the extensive Cu-Ag-Z-Ni-Co mineralisation

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Level 2, 7 Havelock Street, West Perth WA 6005, PO Box 308, West Perth WA 6872

T: +61 8 6311 2818 | E: [info@argentminerals.com.au](mailto:info@argentminerals.com.au)

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## Future Work

Argent will commence the Native Title clearance programs along with drilling approvals from the Western Australia Department of Mines.

## Corporate

### ADDITIONAL ASX INFORMATION

#### **ASX Listing Rule 5.3.1**

Exploration and Evaluation during the quarter was \$180,358 being \$42,636 on field exploration in Western Australia, \$137,029 on field exploration in New South Wales and \$693 on field exploration in Tasmania.

#### **ASX Listing Rule 5.3.2**

There were no substantive mining production and development activities during the quarter.

#### **ASX Listing Rule 5.3.5**

In Item 6 of the Appendix 5B cash flow report for the quarter, payments to related parties of \$135,327 comprised of fees paid to the Directors of the Company. At the end of the quarter ended 31 March 2024, the Company had \$1.46 million in cash reserves and 30,000,000 shares in ASX listed MinRex Resources Limited (**ASX:MRR**).

#### **The mining tenement interests acquired or relinquished during the quarter and their location.**

EL9059 was relinquished during the quarter – the project is located approximately 20km south-east of Bathurst in central west NSW.

This ASX announcement has been authorised for release by the Board of Argent Minerals Limited.

**-ENDS-**

#### **For further information, please contact:**

Pedro Kastellorizos  
**Managing Director/Chief Executive Officer**  
Argent Minerals Limited  
[info@argentminerals.com.au](mailto:info@argentminerals.com.au)

#### **Competent Persons Statement**

*The information in this report that relates to Exploration Targets and Exploration Results is based on information compiled by Pedro Kastellorizos. Mr. Kastellorizos is the Managing Director & CEO of Argent Minerals Limited and is a Member of the AusIMM of whom have sufficient experience relevant to the styles of mineralisation under consideration and to the activity being reported 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. Mr. Kastellorizos have verified the data disclosed in this release and consent to the inclusion in this release of the matters based on the information in the form and context in which it appears.*

#### **Statement**

*This news release contains “forward-looking information” within the meaning of applicable securities laws. Generally, any statements that are not historical facts may contain forward-looking information, and forward looking information can be identified by the use of forward-looking terminology such as “plans”, “expects” or “does not expect”, “is expected”, “budget” “scheduled”, “estimates”, “forecasts”, “intends”, “anticipates” or “does not anticipate”, or “believes”, or variations of such words and phrases or indicates that certain actions, events or results “may”, “could”, “would”, “might” or “will be” taken, “occur” or “be achieved.” Forward-looking information is based on certain factors and assumptions management believes to be reasonable at the time such statements are made, including but not limited to, continued exploration activities, commodity prices, the estimation of initial and sustaining capital requirements, the estimation of labour costs, the estimation of mineral reserves and resources, assumptions with respect to currency fluctuations, the timing and amount of future exploration and development expenditures, receipt of required regulatory approvals, the availability of necessary financing for the project, permitting and such other assumptions and factors as set out herein.*

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*Forward-looking information is subject to known and unknown risks, uncertainties and other factors that may cause the actual results, level of activity, performance or achievements of the Company to be materially different from those expressed or implied by such forward-looking information, including but not limited to: risks related to changes in commodity prices; sources and cost of power and water for the Project; the estimation of initial capital requirements; the lack of historical operations; the estimation of labour costs; general global markets and economic conditions; risks associated with exploration of mineral deposits; the estimation of initial targeted mineral resource tonnage and grade for the project; risks associated with uninsurable risks arising during the course of exploration; risks associated with currency fluctuations; environmental risks; competition faced in securing experienced personnel; access to adequate infrastructure to support exploration activities; risks associated with changes in the mining regulatory regime governing the Company and the Project; completion of the environmental assessment process; risks related to regulatory and permitting delays; risks related to potential conflicts of interest; the reliance on key personnel; financing, capitalisation and liquidity risks including the risk that the financing necessary to fund continued exploration and development activities at the project may not be available on satisfactory terms, or at all; the risk of potential dilution through the issuance of additional common shares of the Company; the risk of litigation.*

*Although the Company has attempted to identify important factors that cause results not to be as anticipated, estimated or intended, there can be no assurance that such forward-looking information will prove to be accurate, as actual results and future events could differ materially from those anticipated in such information. Accordingly, readers should not place undue reliance on forward-looking information. Forward looking information is made as of the date of this announcement and the Company does not undertake to update or revise any forward-looking information this is included herein, except in accordance with applicable securities laws.*

### **March 2024 QUARTER – ASX ANNOUNCEMENTS**

This Quarterly Activities Report contains information extracted from ASX market announcements reported in accordance with the 2012 edition of the “Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves” (2012 JORC Code). Further details (including 2012 JORC Code reporting tables where applicable) of exploration results referred to in this Quarterly Activities Report can be found in the following announcements lodged on the ASX:

This Report also contains information extracted from the following ASX market announcements, which includes further details (including 2012 JORC Code reporting tables where applicable) of exploration results and minerals resources referred to in this Report:

High-Grade Gold & Silver Mineralisation at East of Kempfield	17-Apr-24
Completed RC Drilling Program over Kempfield	10-Apr-24
Massive Silver Mineralisation Delineated at Sugarloaf Hill	8-Apr-24
Massive Silver-Base metal Discovery NE of Kempfield Deposit	27-Mar-24
Golden Watter delivers Gold-Silver-Lead Mineralisation	28-Feb-24
Outstanding Gold-Silver Grades Uncovered at Henry Prospect	27-Feb-24
Extensive Mineralisation Confirmed over Sugarloaf Prospect	12-Feb-24
Further Outstanding Copper-Zinc-Silver Grade at Copperhead	30-Jan-24

These announcements are available for viewing on the Company’s website [www.argentminerals.com.au](http://www.argentminerals.com.au). Argent confirms that it is not aware of any new information or data that materially affects the information included in any original ASX announcement.

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## About Argent Minerals Ltd (ASX: ARD)

Argent Minerals Limited is an ASX listed public company focused on creating shareholder wealth through the discovery, extraction, and marketing of precious and base metals. Currently, Argent has over 1,734km<sup>2</sup> of exploration ground in NSW, 1,038km<sup>2</sup> in Western Australia and 104km<sup>2</sup> in Tasmania, totalling 2,876 km<sup>2</sup> within 3 Australian States.



### Kempfield Project EL5645, EL5748 (100% ARD) NSW

The Kempfield Project is located 60km SSW of Cadia Newcrest Gold and Copper Mining Operations in Central West New South Wales, 250 kilometres west of Sydney. This is the Company's flagship project and is registered as a New South Wales State Significant Development Project. Kempfield Silver Deposit Mineral Resource estimate for all categories has been upgraded **38.9Mt @ 102 g/t** silver equivalent for **127.5 million ounces Ag Eq**, containing of **42.8Moz silver, 149,200 oz gold, 181,016t lead & 426,900t zinc** (ASX Announcement 6 September 2023: Updated Mineral Resource Estimate for Kempfield).

### Trunkey Creek Project EL5748 (100% ARD) NSW

The Trunkey Creek Gold Project is located 5 kms east of the Kempfield in Central West region New South Wales. The Project lies within the Trunkey Creek Mineral Field which extends for 5.5 km by 500 m wide with over 2,900 oz of gold extracted from small scale mining. New IP model has delineated three distinct resistive/chargeable zones. Sub-parallel main quartz reefs are spaced 30m to 50m apart over a strike length of 2 km (ASX Announcement 31 May 2022: New Gold Drill Targets Identified at Trunkey Creek).

### Pine Ridge Project EL8213 (100% ARD), NSW

The Project is located in the Central Tablelands in New South Wales approximately 65 kilometres south of the township of Bathurst and 10 km south-west of Trunkey. Gold mining commenced in 1877 and continued sporadically until 1948, producing a total of 6,864t ore with variable gold grades. Current 2012 JORC Resource is **416,887t @ 1.65 g/t Au containing 22,122 oz Gold** (ASX Announcement 20 April 2022: Pine Ridge Inferred Resource)

### Mt Dudley Project EL5748 (100% ARD), NSW

The Project is located 5 km northwest of the township of Trunkey, near Blayney NSW. The Mt Dudley mine was worked between 1913-1922 and 1928-1931, with the mine's records indicating an average mined grade of approximately 25 g/t of gold. Current 2012 JORC Resource is **882,636t @ 1.03 g/t Au containing 29,238 oz Gold** (ASX Announcement 13 September 2022: Maiden JORC Resource Over Mt Dudley Prospect)

### Copperhead Project (100% ARD), WA

The Copperhead Project is located NE of Carnarvon and SW of Karratha in Western Australia Gascoyne Region. The project is proximal to major REE deposits and is considered Elephant country based on its untapped potential.

Helicopter rock-chip sample program has confirmed the extensive copper mineralisation over the Mount Palgrave Prospect. High-grade stratiform copper assays include 2.42%, 4.14%, 5.92%, 8.8%, 14.96% and 21.1% Cu.

The Project is also considered highly prospective for potential ironstone/carbonatite Rare Earth mineralisation. Over Fifty (50) high priority potential ironstone/carbonatite rare earth targets have been delineated and are currently being assessed (ASX Announcement 1 February 2023: High-grade copper confirmed at Gascoyne Copper Project)



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T: +61 8 6311 2818 | E: [info@argentminerals.com.au](mailto:info@argentminerals.com.au)

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## Appendix A - TENEMENTS

The following mining tenement information is provided pursuant to Listing Rule 5.3.3:

Appendix Table 1 – Mining Tenement<sup>1</sup> Interest Activities for the Quarter Ended 30 December 2023.

Tenement Identifier	Location	Interest Acquired During Quarter	Interest Divested During Quarter	Interest Held at End of Quarter
<b>Kempfield</b>				
AL36	NSW			100% <sup>2</sup>
EL5645 (1992)	NSW	-		100% <sup>2</sup>
EL5748 (1992)	NSW	-		100% <sup>2</sup>
EL7134 (1992)	NSW	-		100% <sup>2</sup>
EL7785 (1992)	NSW	-		100% <sup>2</sup>
EL8951 (1992)	NSW	-		100% <sup>2</sup>
EL8213 (1992)	NSW	-		100% <sup>2</sup>
EL9251 (1992)	NSW	-		100% <sup>2</sup>
PLL517 (1924)	NSW	-		100% <sup>2</sup>
PLL519 (1924)	NSW	-		100% <sup>2</sup>
PLL727 (1924)	NSW	-		100% <sup>2</sup>
PLL728 (1924)	NSW	-		100% <sup>2</sup>
<b>West Wyalong</b>				
EL8430 (1992)	NSW	0.13%		79.59% <sup>3</sup>
<b>Loch Lilly</b>				
EL8199 (1992)	NSW	-		51% <sup>4</sup>
EL8200 (1992)	NSW	-		51% <sup>4</sup>
EL8515 (1992)	NSW	-		100%
EL8516 (1992)	NSW	-		100%
<b>Ringville</b>				
EI12/2017	TAS	-		100%
<b>Mount Farrell</b>				
EL12/2019	TAS			100%
<b>Copperhead</b>				
E08/3001	WA	100%		100% <sup>6</sup>
E08/3369	WA	100%		100% <sup>6</sup>
E08/3460	WA	100%		100% <sup>6</sup>
E08/3463	WA	100%		100% <sup>6</sup>
E09/2517	WA	100%		100% <sup>6</sup>
E09/2532	WA	100%		100% <sup>6</sup>
E09/2622	WA	100%		100% <sup>6</sup>
E09/2625	WA	100%		100% <sup>6</sup>
E09/2683	WA	100%		100% <sup>6</sup>

### Notes

- The definition of "Mining Tenement" in ASX Listing Rule 19.12 is "Any right to explore or extract minerals in a given place".
- For all Kempfield tenements the tenement holder is Argent (Kempfield) Pty Ltd, a wholly owned subsidiary of Argent.
- Under the West Wyalong Joint Venture and Farm-In Agreement dated 8 June 2007 between Golden Cross Operations Pty Ltd and Argent as tenement holder (WWJVA), Argent has earned a 70% interest plus ongoing increments. The ongoing interests of the parties includes WWJVA expenditure contribution and dilution provisions commencing on a 70/30 basis.

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4. The tenement holder for EL8199 and EL8200 is San Antonio Exploration Pty Ltd (SAE), and for EL8515 and EL8516 it is Loch Lilly Pty Ltd (LLP), a wholly owned subsidiary of Argent Minerals Limited. Under the Loch Lilly Fermin and Joint Venture Agreement (JVA) dated 12 February 2017 (effective date 17 February 2017), the respective ownership of all the tenements by the JVA Parties (SAE and LLP) is according to their respective JVA Interests. LLP has the right to earn up to a 90% interest, with the first 51% interest earned by completing the drill test for the Eaglehawk and Netley targets. For further details on earn in terms and conditions see ASX announcement 20 February 2017 – Argent secures strategic stake in Mt. Read equivalent belt.
5. The tenement holder is Copperhead Pty Ltd, a wholly owned subsidiary of Argent Minerals Limited.

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## Appendix 5B

### Mining exploration entity or oil and gas exploration entity quarterly cash flow report

Name of entity

ARGENT MINERALS LIMITED

ABN

89 124 780 276

Quarter ended ("current quarter")

31 March 2024

Consolidated statement of cash flows		Current quarter \$A'000	Year to date (9 months) \$A'000
<b>1.</b>	<b>Cash flows from operating activities</b>		
1.1	Receipts from customers	1	1
1.2	Payments for		
	(a) exploration & evaluation	(180)	(689)
	(b) development	-	-
	(c) production	-	-
	(d) staff costs	(195)	(537)
	(e) administration and corporate costs	(162)	(471)
1.3	Dividends received (see note 3)	-	-
1.4	Interest received	17	26
1.5	Interest and other costs of finance paid	-	-
1.6	Income taxes refund/(paid)	-	100
1.7	Government grants and tax incentives	-	-
1.8	Other (GST refund)	14	107
1.9	<b>Net cash from / (used in) operating activities</b>	<b>(505)</b>	<b>(1,463)</b>
<b>2.</b>	<b>Cash flows from investing activities</b>		
2.1	Payments to acquire or for:		
	(a) entities	-	-
	(b) tenements	-	-
	(c) property, plant and equipment	-	(1)
	(d) exploration & evaluation	-	-
	(e) investments	-	-
	(f) other non-current assets	-	(16)



Consolidated statement of cash flows		Current quarter \$A'000	Year to date (9 months) \$A'000
2.2	Proceeds from the disposal of:		
	(a) entities	-	-
	(b) tenements	-	-
	(c) property, plant and equipment	-	-
	(d) investments	-	-
	(e) other non-current assets	-	54
2.3	Cash flows from loans to other entities	-	-
2.4	Dividends received (see note 3)	-	-
2.5	Other (refund of non-current assets)	-	-
<b>2.6</b>	<b>Net cash from / (used in) investing activities</b>	<b>-</b>	<b>37</b>

<b>3.</b>	<b>Cash flows from financing activities</b>		
3.1	Proceeds from issues of equity securities (excluding convertible debt securities)	-	1,015
3.2	Proceeds from issue of convertible debt securities	-	-
3.3	Proceeds from exercise of options	-	-
3.4	Transaction costs related to issues of equity securities or convertible debt securities	(6)	(100)
3.5	Proceeds from borrowings	-	-
3.6	Repayment of borrowings	-	-
3.7	Transaction costs related to loans and borrowings	-	-
3.8	Dividends paid	-	-
3.9	Other (provide details if material)	-	-
<b>3.10</b>	<b>Net cash from / (used in) financing activities</b>	<b>(6)</b>	<b>915</b>

<b>4.</b>	<b>Net increase / (decrease) in cash and cash equivalents for the period</b>		
4.1	Cash and cash equivalents at beginning of period	1,976	1,976
4.2	Net cash from / (used in) operating activities (item 1.9 above)	(505)	(1,463)
4.3	Net cash from / (used in) investing activities (item 2.6 above)	-	37
4.4	Net cash from / (used in) financing activities (item 3.10 above)	(6)	915

Consolidated statement of cash flows		Current quarter \$A'000	Year to date (9 months) \$A'000
4.5	Effect of movement in exchange rates on cash held	-	-
4.6	<b>Cash and cash equivalents at end of period</b>	<b>1,465</b>	<b>1,465</b>

5.	Reconciliation of cash and cash equivalents at the end of the quarter (as shown in the consolidated statement of cash flows) to the related items in the accounts	Current quarter \$A'000	Previous quarter \$A'000
5.1	Bank balances	1,465	1,976
5.2	Call deposits	-	-
5.3	Bank overdrafts	-	-
5.4	Other (provide details)	-	-
5.5	<b>Cash and cash equivalents at end of quarter (should equal item 4.6 above)</b>	<b>1,465</b>	<b>1,976</b>

6.	Payments to related parties of the entity and their associates	Current quarter \$A'000
6.1	Aggregate amount of payments to related parties and their associates included in item 1	135
6.2	Aggregate amount of payments to related parties and their associates included in item 2	-

*Note: if any amounts are shown in items 6.1 or 6.2, your quarterly activity report must include a description of, and an explanation for, such payments.*



## Mining exploration entity or oil and gas exploration entity quarterly cash flow report

<b>7. Financing facilities</b> <i>Note: the term "facility" includes all forms of financing arrangements available to the entity. Add notes as necessary for an understanding of the sources of finance available to the entity.</i>	<b>Total facility amount at quarter end \$A'000</b>	<b>Amount drawn at quarter end \$A'000</b>
7.1 Loan facilities	-	-
7.2 Credit standby arrangements	-	-
7.3 Other (please specify)	-	-
7.4 <b>Total financing facilities</b>	-	-
7.5 <b>Unused financing facilities available at quarter end</b>		-
7.6 Include in the box below a description of each facility above, including the lender, interest rate, maturity date and whether it is secured or unsecured. If any additional financing facilities have been entered into or are proposed to be entered into after quarter end, include a note providing details of those facilities as well.		

<b>8. Estimated cash available for future operating activities</b>	<b>\$A'000</b>
8.1 Net cash from / (used in) operating activities (item 1.9)	(505)
8.2 (Payments for exploration & evaluation classified as investing activities) (item 2.1(d))	-
8.3 Total relevant outgoings (item 8.1 + item 8.2)	(505)
8.4 Cash and cash equivalents at quarter end (item 4.6)	1,465
8.5 Unused finance facilities available at quarter end (item 7.5)	-
8.6 Total available funding (item 8.4 + item 8.5)	1,465
8.7( <b>Estimated quarters of funding available (item 8.6 divided by item 8.3)</b>	2.899
<i>Note: if the entity has reported positive relevant outgoings (ie a net cash inflow) in item 8.3, answer item 8.7 as "N/A". Otherwise, a figure for the estimated quarters of funding available must be included in item 8.7.</i>	
8.8 If item 8.7 is less than 2 quarters, please provide answers to the following questions:	
8.8.1 Does the entity expect that it will continue to have the current level of net operating cash flows for the time being and, if not, why not?	
	N/A
8.8.2 Has the entity taken any steps, or does it propose to take any steps, to raise further cash to fund its operations and, if so, what are those steps and how likely does it believe that they will be successful?	
	N/A
8.8.3 Does the entity expect to be able to continue its operations and to meet its business objectives and, if so, on what basis?	
	N/A
<i>Note: where item 8.7 is less than 2 quarters, all of questions 8.8.1, 8.8.2 and 8.8.3 above must be answered.</i>	

## Compliance statement

- 1 This statement has been prepared in accordance with accounting standards and policies which comply with Listing Rule 19.11A.
- 2 This statement gives a true and fair view of the matters disclosed.

Date: 24 April 2024

Authorised by: Johnathon Busing

## Notes

1. This quarterly cash flow report and the accompanying activity report provide a basis for informing the market about the entity's activities for the past quarter, how they have been financed and the effect this has had on its cash position. An entity that wishes to disclose additional information over and above the minimum required under the Listing Rules is encouraged to do so.
2. If this quarterly cash flow report has been prepared in accordance with Australian Accounting Standards, the definitions in, and provisions of, *AASB 6: Exploration for and Evaluation of Mineral Resources* and *AASB 107: Statement of Cash Flows* apply to this report. If this quarterly cash flow report has been prepared in accordance with other accounting standards agreed by ASX pursuant to Listing Rule 19.11A, the corresponding equivalent standards apply to this report.
3. Dividends received may be classified either as cash flows from operating activities or cash flows from investing activities, depending on the accounting policy of the entity.
4. If this report has been authorised for release to the market by your board of directors, you can insert here: "By the board". If it has been authorised for release to the market by a committee of your board of directors, you can insert here: "By the [name of board committee – eg Audit and Risk Committee]". If it has been authorised for release to the market by a disclosure committee, you can insert here: "By the Disclosure Committee".
5. If this report has been authorised for release to the market by your board of directors and you wish to hold yourself out as complying with recommendation 4.2 of the ASX Corporate Governance Council's *Corporate Governance Principles and Recommendations*, the board should have received a declaration from its CEO and CFO that, in their opinion, the financial records of the entity have been properly maintained, that this report complies with the appropriate accounting standards and gives a true and fair view of the cash flows of the entity, and that their opinion has been formed on the basis of a sound system of risk management and internal control which is operating effectively.