

2nd October 2024

ASX Release

HIGH GRADE ROCK CHIP ASSAYS RETURN 24 G/T GOLD AT TRUNKY CREEK GOLD PROJECT IN NSW

High-grade surface rock chips within quartz veins highlight new drill target zones

HIGHLIGHTS

- Gold mineralisation was confirmed by Argent's first rock chip reconnaissance program over the Trunkey Creek Project Gold Project in NSW, situated approximately 9km SE of the Kempfield Project.
- Trunkey Creek Mineral Field consists of extensive historical gold workings on several NNE trending quartz veins **over 5.5 km by 500 m wide**, historically producing over 2,900 oz of gold.
- Rock chip sampling program has delineated **gold assays up to 24 g/t Au**, including highlights of:
 - **24 g/t Au** in sample 3001038
 - **15.1 g/t Au** in sample 3001037
 - **12.6 g/t Au** in sample 3001059
 - **10.45 g/t Au** in sample 3001034
 - **10.35 g/t Au** in sample 3001074
- Re-interpretation of historical Induced Polarisation (IP) traverse by Argent over Trunkey Creek Project resulting in significant chargeable (detects sulphides) and resistive (detects quartz/silica zones) IP anomalies.
- Sub-parallel main quartz reefs have been mapped **30m to 50m apart over a strike length of 2km**. The distribution of shafts along the reef indicates two main centres of mineralisation.
- The ground IP survey has delineated High Resistivity Zones within a **3.8 km length by 500m wide** area with IP anomalies coinciding with historical gold workings.
- All strong resistivity zones remain **untested by drilling** and are considered to have excellent potential to host significant shallow gold mineralisation.
- The resistive trends may represent silica rich veins prospective for gold mineralisation at Trunkey Creek. The gold mineralisation is reportedly associated with sulphides in the quartz veins which should return chargeable responses where present.

Argent Minerals Limited (ASX: ARD) ("Argent" or "the Company") is pleased to announce gold assay results from the rock chip sampling programme at its 100%-owned Trunkey Creek Gold Project in NSW, which provide further confirmation of surface gold mineralisation

Argent Managing Director Mr Pedro Kastellorizos commented:

"We are extremely pleased to have received incredibly positive geophysical/geochemical results highlighting significant gold mineralisation potential at Trunkey Creek. Recent high-grade gold rock chip assays in conjunction with locating the old mine workings, have highlighted the significant exploration potential over the Trunkey Creek Project area. The high-resolution ground IP interpretation has clearly defined extensive high resistivity zones (potential quartz veins) and chargeability zones (potential sulphides) which have excellent potential for hosting gold mineralisation. These targets have been defined as "stand up" and will be systematically tested by drilling. By completing this process, we have advanced the Company's strategy by identifying priority target areas that have the potential for delineating undiscovered gold mineralisation".

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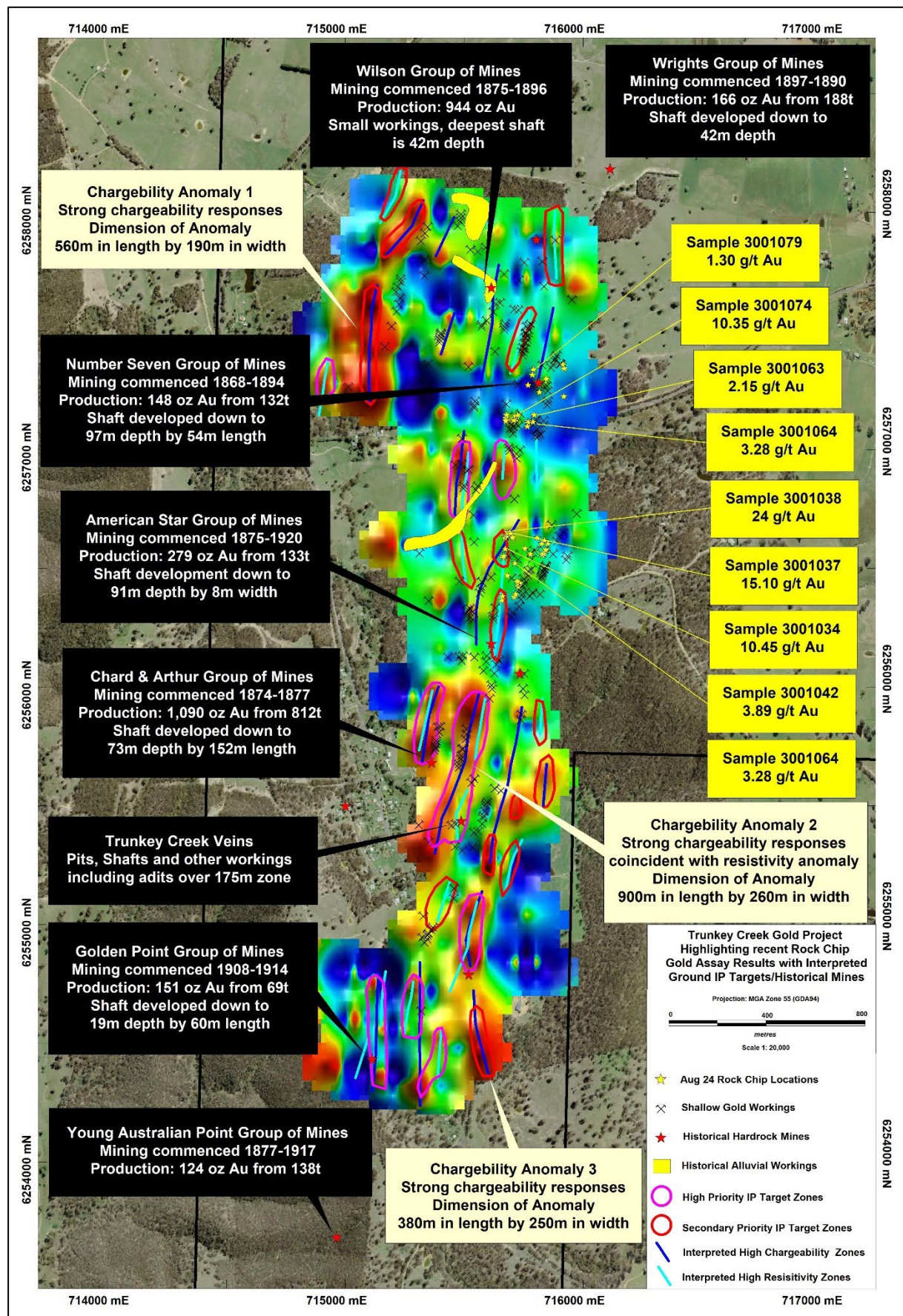


Figure 1 – Trunk Creek highlighting the recent high-grade gold rock chip results within untested IP Anomalies

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Gold Mineralisation

The mineral field extends for about **5.5km** and in general is **approximately 250m in width** and in other areas where the zone is **up to 500m wide**. Almost all hard rock workings strike north and are hosted in bedding and/or cleavage parallel structures.

The sub-parallel main quartz reefs are spaced 30m to 50m apart over a strike length of 2 km. The distribution of shafts along the reef indicates two main centres of mineralisation.

During the limited fieldwork programme, 54 rock chip samples were collected within various lithological units, quartz veins and mined out mullock dumps. The high-grade gold-silver mineralisation in the central portion of Trunkey Creek includes **24 g/t Au** from sample 3001038, **15.10 g/t Au** from sample 3001037, **10.35 g/t Au** from sample 3001074 and **10.45 g/t Au** from sample within ferruginous rusty quartz. The quartz veins host the gold mineralisation at Trunkey Creek. The sample location and summary of high-grade results are illustrated in Figure 1. Table 1 contains location and assay data for all 54 samples collected.



Figure 2 – Gold mineralisation within ferruginous rusty quartz yielding **24 g/t Au & 1.2 g/t Ag** from sample 3001038



Figure 3 – Silver mineralisation within ferruginous quartz yielding **15.10 g/t Au** from sample 3001037

The gold mineralisation occurs with pyrite in the quartz and patchy trace arsenopyrite and galena. Most of the workings are less than 30m deep and in general, were not worked below the water table. The stamper battery was seen suggesting free-milling gold, but its use may have been limited to the oxidised zone only. The worked veins appear to be limonitic stained and fractured vein quartz. In many cases solution cavities and box work textures indicate that the mineralised veins were quartz-carbonate-sulphide veins. Almost all hard rock workings strike just east of north and are hosted in bedding parallel structures. Workings are often continuous along strike for up to 500m.

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IP Re-Interpretation Work

As part of the overall assessment of Trunkey Creek, Core Geophysics Pty Ltd were engaged to complete a re-interpretation of the Gradient Array IP survey conducted over the Trunkey Creek Project by Golden Cross Operation Pty Ltd in 1996. The survey was centred over the historic Trunkey Creek mining field over a 4km by 1.3km area. Resistivity readings were carried out on 100m spaced lines and 20m stations, with chargeability collected on 200m spaced lines and 20m stations (*ASX Announcement 31 May 2022: New Gold Drill Targets Identified at Trunkey Creek*).

One of the strongest chargeability responses is semi-coincident with the resistivity anomaly which lies immediately east of the township (Refer to Figure 1 – Chargeability Anomaly 2).

Another 2 strong chargeability responses are evident at the southern boundary and in the north-west of the survey area also (Refer to Figure 1).

Several discrete linear resistivity trends are evident which provide some correlation to the historical mining operations. The resistive trends may represent silica rich veins prospective for gold mineralisation at Trunkey Creek. The gold mineralisation is reportedly associated with sulphides in the quartz veins which should return chargeable responses where present.

Coincident resistive and chargeable anomalies and trends represent priority targets for follow up investigations. **A total of 6 high priority IP targets has a good correlation to historical workings and have been delineated for drill testing.**

Trunkey Gold Project Area

The Trunkey Creek Project is located over the township of Trunkey approximately 38km southwest of Bathurst and approximately 9km south-east of the Kempfield Project in NSW. The areas were first discovered in 1851 and worked from 1852 to 1880, and then again from 1887 to 1908. By 1873 there were 2,500 people at Trunkey and nearby Tuena with many rich veins being mined for gold.



Figure 4 – Trunkey Creek Historical Shallow Gold Workings

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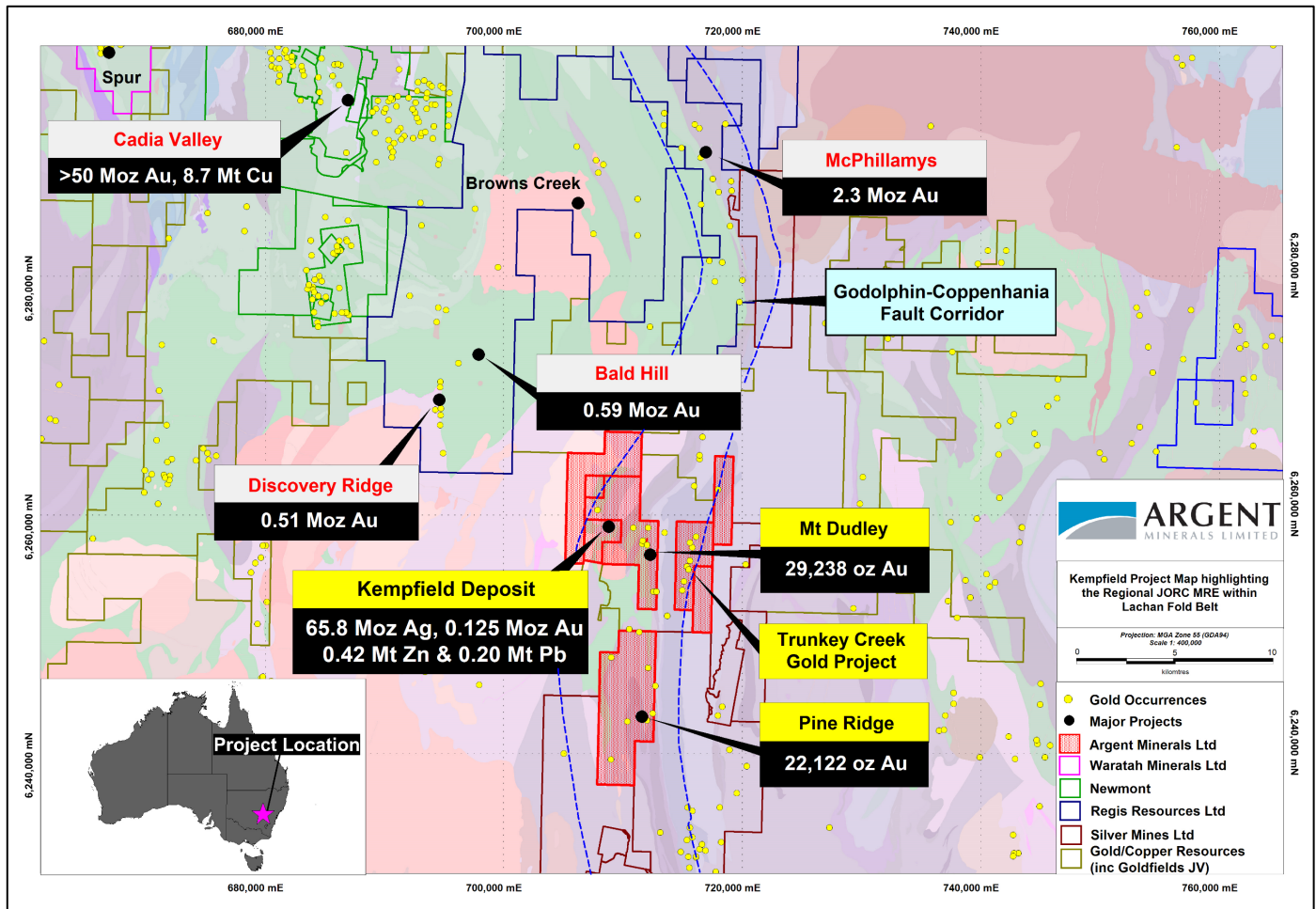


Figure 5 –Kempfield Project Location Map highlighting surrounding nearby Resources in relation to Trunkey Creek

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

-ENDS-

For further information, please contact:

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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 has 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.

Forward 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

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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.

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.

References

For further information please refer to previous ASX announcement from Argent Minerals Ltd

ASX Announcement 2008: *Further significant intersections at Kempfield*
 ASX Announcement 2009: *Kempfield BJ Zone drilling continues with promising results.*
 ASX Announcement 2009: *Argent to Drill Gold Targets at Kempfield*
 ASX Announcement 2009: *Significant Results from Kempfield Extension Drilling*
 ASX Announcement 2009: *Drilling Results from Kempfield and West Wyalong*
 ASX Announcement 2010: *Highest recorded silver grades at Kempfield*
 ASX Announcement 2011: *Significant Deep Intersections at Kempfield*
 ASX Announcement 2012: *Resource upgrade – Kempfield Silver Project*
 ASX Announcement 2013: *Exploration Advances for Kempfield Massive Sulphide Targets*
 ASX Announcement 2013: *Resource upgrade – Kempfield Silver Project*
 ASX Announcement 2013: *Conductor Targets Identified at Kempfield Silver Project*
 ASX Announcement 2013: *Sulphides Intercepted at Kempfield Causeway Target*
 ASX Announcement 2013: *Argent Minerals Advances Exploration for Kempfield Massive Sulphide Targets*
 ASX Announcement 2013: *Argent Set to Drill Massive Sulphide Targets – Dec Start 2013*
 ASX Announcement 2014: *Geophysics Breakthrough in Kempfield Lead/Zinc Detection*
 ASX Announcement 2014: *Kempfield Resource Statement Upgraded to JORC 2012 Standard*
 ASX Announcement 2014: *Assays confirm third VMS Len group at Kempfield.*
 ASX Announcement 2015: *IP Survey confirms Large Copper Gold Target at Kempfield*
 ASX Announcement 2015: *Significant Intersections at Kempfield – Including Copper and High-Grade Gold*
 ASX Announcement 2016: *Kempfield Drilling Update*
 ASX Announcement 2016: *High grade Zinc Lead Silver and Gold Added to Kempfield*
 ASX Announcement 2016: *Diamond Drilling Results in Major Breakthrough at Kempfield*
 ASX Announcement 2017: *Significant Ag Pb Zn Intersections*
 ASX Announcement 18 March 2018: *Significant Kempfield Milestone Achieved Separate Commercial Grade Zinc and Lead Concentrates Produced Substantial Boost to Project Economics*
 ASX Announcement 30 March 2018: *Significant Kempfield Resource Update Contained Metal Eq Signal Boost to Economic Potential*
 ASX Announcement 20 April 2022: *Pine Ridge Inferred Resource*
 ASX Announcement 31 May 2022: *New Gold Drill Targets Identified at Trunkey Creek*
 ASX Announcement 1 February 2023: *High-grade copper confirmed at Gascoyne Copper Project*
 ASX Announcement 1 March 2023: *Extensive New High-Grade Silver-Lead-Zinc at Kempfield*
 ASX Announcement 13 April 2023: *Further Extensive New High-Grade Mineralisation over Kempfield*
 ASX Announcement 6 September 2023: *Updated Mineral Resource Estimate for Kempfield*
 ASX Announcement 29 January 2024: *Kempfield Exploration Update*
 ASX Announcement 12 February 2024: *Extensive Mineralisation Confirmed over Sugarloaf Prospect*
 ASX Announcement 1 February 2023: *High-grade copper confirmed at Gascoyne Copper Project*
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 ASX Announcement 29 January 2024: *Kempfield Exploration Update*
 ASX Announcement 12 February 2024: *Extensive Mineralisation Confirmed over Sugarloaf Prospect*
 ASX Announcement 21 February 2024: *Outstanding Gold-Silver Grades Uncovered at Henry Prospect*
 ASX Announcement 28 February 2024: *Golden Wattle delivers Gold-Silver-Lead Mineralisation*
 ASX Announcement 18 March 2024: *Second Rock Chip Program completed over Kempfield*

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ASX Announcement 27 March 2024: *Massive Silver-Base Metal Discovery NE of Kempfield Deposit*
ASX Announcement 8 April 2024: *Massive Silver Mineralisation Delineated at Sugarloaf Hill*
ASX Announcement 10 April 2024: *Completed RC drilling Program over Kempfield*
ASX Announcement 17 April 2024: *High-Grade Gold & Silver Mineralisation at East of Kempfield*
ASX Announcement 30 April 2024: *New Exceptional High-Grade Drill Results over Kempfield*
ASX Announcement 13 June 2024: *Further Silver-Base Metal Mineralisation Hits at Kempfield*
ASX Announcement 25 July 2024: *Significant Silver Resource Upgrade over Kempfield Deposit*

Hartcliff, P G., 1997. Sixth Annual report EL 4078, 4199 & 4131 Trunkey Creek and Wilson Reef[™] Reporting period 14th October 1997. Golden Cross Operation Pty Limited GS1997_121.

Stevens, B.P. Mine data Sheets to accompany Metallogenic map – Bathurst 1:250,000 Sheet. NSW Geological Survey, Sydney.

Table 1: Trunkey Creek Project rock chip locations and results

Sample ID	Easting (GDA94)	Northing (GDA94)	Au g/t	Ag g/t	As ppm	Ba ppm	Cu ppm	Pb ppm	Sb ppm	Zn ppm	Description
3001031	715661.3	6256548	-0.01	2.1	15	390	26	90	5	154	Ferruginous quartz
3001032	715665.6	6256552	0.01	-0.5	10	180	11	11	-5	164	chloritic Ferruginous quartz
3001033	715672	6256583	0.05	0.6	-5	150	10	16	-5	30	Ferruginous quartz
3001034	715672.7	6256584	10.45	1	39	700	72	104	-5	138	Chloritic rusty Ferruginous quartz
3001035	715670.6	6256630	0.09	-0.5	-5	80	17	8	-5	51	Ferruginous rusty quartz
3001036	715679.3	6256640	1.82	-0.5	126	140	14	13	-5	43	Ferruginous rusty quartz
3001037	715683.8	6256648	15.1	0.9	30	200	33	24	-5	110	Ferruginous rusty quartz
3001038	715682.8	6256652	24	1.2	488	490	51	24	-5	116	Ferruginous rusty quartz
3001039	715691.8	6256654	0.17	-0.5	33	270	18	11	-5	110	Ferruginous rusty quartz
3001040	715695	6256648	0.12	-0.5	9	40	9	3	-5	13	Bucky quartz
3001041	715704	6256632	0.06	-0.5	63	480	41	51	5	129	Bucky quartz
3001042	715713.1	6256524	3.98	-0.5	30	50	7	4	-5	7	Bucky quartz
3001043	715754.8	6256585	0.18	-0.5	31	70	5	6	-5	11	Bucky quartz
3001044	715776	6256562	4.81	-0.5	158	50	16	8	-5	13	Ferruginous quartz
3001045	715778.1	6256563	0.85	0.5	280	740	24	50	5	167	Bucky quartz
3001046	715829.4	6256557	0.19	-0.5	66	290	18	19	-5	68	Bucky quartz
3001047	715833	6256563	0.19	-0.5	-5	20	6	16	-5	68	Sulphides in quartz
3001048	715843.2	6256579	-0.01	-0.5	-5	50	6	2	-5	6	Ferruginous quartz
3001049	715850.8	6256606	0.03	-0.5	12	50	16	13	-5	41	Ferruginous quartz
3001050	715837.7	6256618	-0.01	-0.5	13	490	19	38	-5	90	Slate
3001051	715826.5	6256606	0.01	-0.5	5	260	19	12	-5	55	Ferruginous quartz
3001052	715806.2	6256631	0.03	-0.5	8	180	8	7	-5	12	Ferruginous quartz
3001053	715657.2	6256367	0.01	-0.5	-5	40	5	23	-5	14	Ferruginous quartz
3001054	715661.3	6256385	0.15	-0.5	6	60	12	-2	-5	6	Ferruginous quartz
3001055	715709.6	6256381	0.29	-0.5	91	60	8	9	-5	14	Ferruginous quartz
3001056	715716.6	6256393	0.22	-0.5	213	30	11	5	-5	16	Ferruginous quartz

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Sample ID	Easting (GDA94)	Northing (GDA94)	Au g/t	Ag g/t	As ppm	Ba ppm	Cu ppm	Pb ppm	Sb ppm	Zn ppm	Description
3001057	715727	6256425	0.03	-0.5	88	20	5	5	-5	10	Ferruginous quartz
3001058	715726.2	6256434	0.15	-0.5	12	310	17	15	-5	19	Ferruginous quartz
3001059	715734.4	6256440	12.6	-0.5	327	150	37	20	-5	128	Ferruginous quartz
3001060	715721.9	6256444	0.01	-0.5	7	20	7	3	-5	5	Ferruginous quartz
3001061	715723.1	6256448	0.9	-0.5	62	170	25	34	-5	148	Pile of crushed Ferruginous quartz
3001062	715682.4	6256471	0.01	-0.5	39	20	8	2	-5	5	Ferruginous quartz
3001063	715793.9	6257148	2.15	-0.5	226	120	9	19	-5	24	Ferruginous quartz
3001064	715788.3	6257119	3.28	-0.5	998	610	24	26	-5	109	Ferruginous quartz
3001065	715768	6257121	0.18	-0.5	30	20	4	3	-5	10	haematitic quartz
3001066	715768.8	6257121	0.65	-0.5	140	20	11	6	-5	10	Rusty quartz
3001067	715768.1	6257116	0.26	-0.5	161	130	15	11	-5	42	Rusty quartz
3001068	715765	6257099	0.25	-0.5	47	30	6	-2	-5	5	Bucky quartz
3001069	715708.4	6257126	2.69	1.9	11	1050	24	87	-5	72	Haematitic quartz
3001070	715674.4	6257134	0.05	-0.5	-5	30	8	2	-5	5	Bucky quartz
3001071	715677.8	6257147	0.04	-0.5	-5	10	2	25	-5	5	Haematitic quartz
3001072	715674.8	6257123	0.01	-0.5	-5	10	15	19	-5	16	Rusty quartz
3001073	715715.7	6257145	0.02	-0.5	-5	20	4	3	-5	5	Rusty quartz
3001074	715724.2	6257148	10.35	0.5	6	40	10	3	-5	19	Feldspathic quartz
3001075	715725	6257147	0.03	-0.5	-5	180	16	5	-5	19	Rusty quartz
3001076	715815.7	6257244	-0.01	-0.5	-5	10	7	2	-5	4	Bucky quartz
3001077	715768.6	6257273	0.26	-0.5	6	80	27	10	5	23	Ferruginous quartz
3001078	715790.9	6257339	1.14	-0.5	-5	80	22	16	-5	12	Quartz with sulphide casts
3001079	715786.9	6257316	1.3	-0.5	-5	40	9	7	-5	23	Rusty quartz
3001080	715844.8	6257300	0.01	-0.5	-5	10	6	-2	-5	2	Bucky quartz
3001081	715916.4	6257360	0.06	-0.5	-5	10	8	3	-5	11	Rusty quartz
3001082	715915.5	6257360	0.31	-0.5	-5	10	11	5	-5	17	Rusty quartz
3001083	715919.6	6257344	-0.01	-0.5	-5	10	2	-2	-5	-2	Bucky quartz

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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 1,734km² of exploration ground in NSW and 1,038km² in Western Australia, totalling 2,772 km² within 2 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 **63.7Mt @ 69.75 g/t silver equivalent for 142.8 million ounces Ag Eq**, containing of **65.8 Moz silver, 125,192 oz gold, 207,402t lead & 420,373t zinc** (ASX Announcement 25 July 2024: Significant Silver Resource Upgrade over Kempfield Deposit)

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 **419,887t @ 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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JORC Code, 2012 Edition – Table 1 report
Section 1 Sampling Techniques and Data

(Criteria in this section apply to all succeeding sections)

Criteria	JORC Code explanation	Commentary
Sampling techniques	<i>Nature and quality of sampling (eg cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling. Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.</i> <i>Aspects of the determination of mineralisation that are Material to the Public Report.</i> <i>In cases where ‘industry standard’ work has been done this would be relatively simple (e.g., ‘reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay’). In other cases, more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (e.g., submarine nodules) may warrant disclosure of detailed information.</i>	54 rock chip samples were collected in during the reconnaissance field trip over Trunk Creek areas. Rock chip samples representative of outcrops with samples collected from mineralised and non-mineralised rocks. All rock chip samples weight varies from 1 kg to 2 kg based on various outcrops. ALS used industry standard method using ME-ICP61r for a 7 element four acid ICP-MS. Fire Assay (AA26 Fire Assay method) using a 25g charge is used to analyse gold. All samples were collected by geologists on site with samples dispatched to ALS Labs in Orange. Individual samples were bagged in calcio bags and sent to ALS Labs with all samples photographed and documented. Samples completed is appropriate for early-stage exploration.
Drilling techniques	<i>Drill type (e.g., core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (e.g., core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc).</i>	N/A – No drilling was undertaken.
Drill sample recovery	<i>Method of recording and assessing core and chip sample recoveries and results assessed. Measures taken to maximise sample recovery and ensure representative nature of the samples.</i> <i>Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.</i>	N/A – No drilling was undertaken.
Logging	<i>Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate</i> <i>Mineral Resource estimation, mining studies and metallurgical studies.</i> <i>Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.</i>	N/A – No drilling was undertaken. All rock chip samples were logged for a combination of geological and geotechnical attributes in their entirety including as appropriate major & minor lithologies, alteration, vein minerals, vein percentage, sulphide type and percentage, fractures, shears, colour, weathering, hardness, grain size. The Project areas is currently classified as early stage of exploration and no Mineral Resource estimation is applicable.

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Criteria	JORC Code explanation	Commentary
	<i>The total length and percentage of the relevant intersections logged.</i>	
Sub-sampling techniques and sample preparation	<i>If core, whether cut or sawn and whether quarter, half or all core taken.</i> <i>If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.</i> <i>For all sample types, the nature, quality and appropriateness of the sample preparation technique.</i> <i>Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.</i> <i>Measures taken to ensure that the sampling is representative of the in-situ material collected, including for instance results for field duplicate/second-half sampling.</i> <i>Whether sample sizes are appropriate to the grain size of the material being sampled.</i>	The rock chip samples were collected from outcrop in the field. No field duplicates for rock chip samples were collected during this sampling exercise and no sub-sampling is needed for compositing.
Quality of assay data and laboratory tests	<i>The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.</i> <i>For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc.</i> <i>Nature of quality control procedures adopted (e.g., standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (i.e., lack of bias) and precision have been established.</i>	The samples were collected by a highly experienced geologist in which the samples were selected based on geological observation in the field. ALS Perth will be using ME-MS61r (7 element four acid ICP-MS) for Ag, As, Ba, Cu, Pb, Sb and Zn. Detection limits for the various elements between 0.05 to 5. Geochemical Analysis of the rock chip samples conducted by ALS in Orange included drying and pulverising to 85% passing 75um. Four acid ICP-AES (ME-ICP61) was used to assay for Ag (g/t), As (ppm), Ba (ppm), Cu (ppm), Pb (ppm) and Zn (ppm). Gold Analysis was undertaken by AA26 Fire Assay method which included drying and pulverising to 85% passing 75um with detection limit of 0.01 ppm Acceptable levels of accuracy for all data referenced in this ASX announcement have been achieved given the purpose of the analysis (first pass exploration).
Verification of sampling and assaying	<i>The verification of significant intersections by either independent or alternative company personnel.</i> <i>The use of twinned holes.</i> <i>Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.</i> <i>Discuss any adjustment to assay data.</i>	Rock chip samples areas were documented in the field by qualified geologist with photos taken from each site. All samples were collected by GPS and validated through aerial photography. All field data was collected then transferred into a computer database.
Location of data points	<i>Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.</i>	All rock chip locations were recorded with a handheld GPS with +/- 5m accuracy GDA94, Zone 55 was used

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	<i>Specification of the grid system used.</i> <i>Quality and adequacy of topographic control.</i>	
Data spacing and distribution	<i>Data spacing for reporting of Exploration Results. Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied. Whether sample compositing has been applied.</i>	No Mineral Resource is being considered in this report. Data spacing and distribution was dependant on the identification of mineralisation observed in outcrops. This was not a systematic rock chip sampling program based on a grid. The locations of the samples are provided in Table 1 and illustrated in Figure 2. There is insufficient data to determine any economic parameters or mineral resources.
Orientation of data in relation to geological structure	<i>Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.</i> <i>If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.</i>	Rock chip sampling has been conducted in selective manner targeting precious and base-metal mineralisation from outcrops. Based on the early stage of exploration, the surface grab sampling across the mineralisation over the quartz veins, and slates from the Kangaloolah Volcanics achieves an unbiased sampling of possible structures.
Sample security	<i>The measures taken to ensure sample security.</i>	Sub-samples will be stored on site prior to being transported to the laboratory for analysis. The sample pulps will be stored at the laboratory and will be returned to the Company and stored in a secure location.
Audits or reviews	<i>The results of any audits or reviews of sampling techniques and data.</i>	No audits or reviews have been undertaken

Section 2 Reporting of Exploration Results

(Criteria listed in the preceding section also apply to this section)

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	<i>Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings.</i> <i>The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.</i>	Exploration Licence Trunk Creek, NSW held by Argent (Kempfield) Pty. Ltd. is located approximately 9 kilometres south-west of the township of Trunk Creek and 65 kilometres south from Bathurst. The tenement was granted on the 12 December 2013 and is a 100% wholly owned subsidiary of Argent Minerals Limited. There are no overriding royalties other than the standard government royalties for the relevant minerals. The Company's Exploration Licences is in good standing and expires 12 December 2022. There are no other material issues affecting the tenements. All granted tenements are in good standing and there are no impediments to operating in the area.
Exploration done by other parties	<i>Acknowledgment and appraisal of exploration by other parties.</i>	The area was first discovered in 1851 and worked from 1852-1880 and then again from 1887 to 1908. A number of companies have held exploration licences over the area since then, the most significant being CRA who held

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		EL2682 and completed detailed mapping and sampling over part of the area. Plutonic Operations Ltd drilled 6 RC holes between 1994 – 1995 for a total of 481m. From 1991-1999, Golden Cross Operations worked on the current tenure with literature reviews and base map compilation including soil geochemical surveys and a VLF EM survey completed in 1993. This established that anomalous gold values are largely contained by the area of known workings. Detail mapping of the old workings and rock chip sampling was undertaken in 1995. In 1996, a 26-line km grid expanded the mapping and conducted an IP and resistivity survey over the area which highlighted a number of anomalies and trends as outlined in the announcement
Geology	<i>Deposit type, geological setting, and style of mineralisation.</i>	The deposit is considered to be of Orogenic gold - quartz vein hosted gold type placing it with the Hill End, Hargraves, Trunkey Creek and Mt Dudley group of deposits. The deposit model is consistent with Slate Belt Gold Type Deposits similar to Tuena and Hill End in NSW. Trunkey Creek is situated in the Hill End Synclinal Zone which is bounded nearby to the west by the Copperhania Thrust. Along with the underlying Crudine and Mumbil Groups these rocks are folded into the Trunkey Creek Syncline. The gold mineralisation is in the form of near vertical to steep westerly dipping quartz veining along faults parallel to bedding surfaces within schistose carbonaceous shales and phyllites.
Drill hole Information	<i>A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes:</i> ○ <i>easting and northing of the drill hole collar</i> ○ <i>elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar</i> ○ <i>dip and azimuth of the hole</i> ○ <i>down hole length and interception depth</i> ○ <i>hole length.</i> <i>If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.</i>	No drilling has been undertaken over Trunkey Creek by Argent Minerals Ltd The announcement is highlighting areas rock chip locations and assay results. No Drilling results are reported in this announcement
Data aggregation methods	<i>In reporting Exploration Results, weighting averaging</i>	No averaging or aggregating of rock chip results was undertaken.

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	techniques, maximum and/or minimum grade truncations (e.g., cutting of high grades) and cut-off grades are usually Material and should be stated. Where aggregate intercepts incorporate short lengths of high-grade results and longer lengths of low-grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail. The assumptions used for any reporting of metal equivalent values should be clearly stated.	All individual results have been reported.
Relationship between mineralisation widths and intercept lengths	These relationships are particularly important in the reporting of Exploration Results. If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported. If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (e.g., 'down hole length, true width not known').	All reported rock chip values are not true width as this is considered grass roots exploration. The nature and dip of the mineralisation are still being evaluated and is currently unknown.
Diagrams	Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported. These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.	Figure 1 and Tables 1 have been presented within the announcement outlining locations of rock chip samples sites.
Balanced reporting	Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.	All assays result for significant economic elements for samples are included in Table 1 of the announcement. The reporting balances is considered as early exploration results.
Other substantive exploration data	Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results;	Metallurgical, groundwater, and geotechnical studies have not commenced as part of the assessment of the project.

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	<i>bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.</i>	
Further work	<i>The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling). Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.</i>	At this stage, RAB or RC drilling programme may be implemented during the next quarter.

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