ASX/MEDIA RELEASE



23 July 2018

JUNE 2018 QUARTER ACTIVITIES AND CASH FLOW REPORT KEMPIELD ADVANCES TO LARGE SCALE POTENTIAL

Highlights:

- Significant Kempfield Resource update: 100 million ounces Ag Eq at 120 g/t Ag Eq / 520,000 tonnes Zn Eq at 2.0% Zn Eq contained metals.
- Significant upward revision to the Kempfield Exploration Target estimate of further potential mineralisation:
 - Additional 58 to 190 million ounces Ag Eq at 80 to 130 g/t Ag Eq contained silver equivalent - approximately double the previous, and significantly higher Ag Eq grade;
 - Additional 300,000 to 1 million tonnes Zn Eq at 1.3 2.1% Zn Eq contained zinc equivalent newly reported for the Kempfield project.

An Exploration Target is a statement or estimate of the exploration potential of a mineral deposit in a defined geological setting where the statement or estimate, quoted as a range of tonnes and a range of grade, relates to mineralisation for which there has been insufficient exploration to estimate a Mineral Resource. The potential quantity and grade of the Exploration Target is conceptual in nature, there has been insufficient exploration to estimate an additional Mineral Resource and it is uncertain if further exploration will result in the estimation of an additional Mineral Resource.

- New development scenario potential identified: major zinc-silver-lead-gold project situated in large scale mining growth neighbourhood.
- Agreement executed with Kempfield neighbours facilitates large scale project advancement.
- Cash **\$1.65 million** as at 30 June 2018 ahead of planned Kempfield drilling programme.

Argent Minerals Limited (ASX: ARD, Argent, or the Company) is pleased to report its activities and cash flow for the quarter ended 30 June 2018.

During the quarter, Argent achieved a series of significant developments for Kempfield, which we believe significantly advances the progress of the project - opening up a new potential development scenario as a significant large-scale zinc-silver-lead-gold project in a NSW mining growth neighbourhood.

On 30 May 2018, the Company announced a significant update for the Kempfield Resource estimate featuring approximately double the previously reported silver contained metals equivalent (Ag Eq) – now 100 million ounces Ag Eq at 120 g/t Ag Eq. This was followed by the 6 June 2018 significant upward revision to the Exploration Target estimate for additional potential mineralisation, as summarised in the above Highlights, and detailed in Appendix B of this announcement.

The Resource update and the substantial Exploration Target revision are both a direct result of the metallurgical breakthroughs announced on 12 April 2018 – the successful separation of the primary feed material into potentially marketable commercial grade zinc and lead concentrates, which also contain silver and gold.

LARGE SCALE PROJECT POTENTIAL

New potential development scenario for Kempfield

The following map illustrates the new potential development scale of the Kempfield project in the context of the immediate large scale mining growth neighbourhood and the underlying highly prospective geology that hosts

some of the largest mining projects in Australia.



Notes:

An Exploration Target is a statement or estimate of the exploration potential of a mineral deposit in a defined geological setting where the statement or estimate, quoted as a range of tonnes and a range of grade, relates to mineralisation for which there has been insufficient exploration to estimate a Mineral Resource. The potential quantity and grade of the Exploration Target is conceptual in nature, there has been insufficient exploration to estimate an additional Mineral Resource and it is uncertain if further exploration will result in the estimation of an additional Mineral Resource.

- 1. Newcrest Mining Limited Ore Reserves and Mineral Resources Statement 31 December 2017.
- 2. Regis Resources Limited March 2018 Quarterly Results Presentation 14 April 2018.
- 3. All mineral resources are illustrated as in-situ-contained metals. For further details refer to the above publications, and for Kempfield, Appendices B and C of this announcement.

AGREEMENT EXECUTED WITH KEMPFIELD NEIGHBOURS

On 22 June 2018, Argent announced that it had entered into a new agreement with the owners of the neighbouring Box Hill property to the north of the Company's freehold land at the Kempfield project in NSW.

The agreement represents a significant de-risking of the Kempfield project.

Under the terms of the agreement, which reflects the Argent's excellent working relationship with its neighbours, the Box Hill owners have committed to not challenge the grant or validity of the Company's regulatory applications and permitting or ancillary titles related to mining and development approvals ('**No Challenge**').

During the term of the agreement, Argent has the right, as well as the obligation under certain circumstances, to purchase the Box Hill property at any time up to 12 June 2020 on fixed commercial terms, extendable at the Company's sole discretion up to 12 June 2021. The agreement may be extended for a further year to 12 June 2022 on the agreement of both parties.

The purchase obligation arises in the event that Argent conducts any significant ground disturbances such as the construction of a mining operation (excluding trenching for exploration or testing purposes).

Noise and dust studies performed in relation to the Company's 2013 Environmental Impact Study determined that, since the Kempfield project mainly occupies Argent freehold land surrounded by hills, the main 3rd parties that would be affected by a mining operation are the owners of the Box Hill property located immediately to the north.

Argent retains the right during the agreement term to increase its existing freehold land at Kempfield from 115.8 to approximately 540 hectares (5.4 square kilometres) through exercise of the option. The option area includes the coppergold footwall zone located to the west of the current Kempfield resource, as well as the historic Colossal Reef copper mine, to be both included in the next drilling programme.



Figure 1 – Illustrating Kempfield project de-risking by containment within valley area and freehold land ownership rights.

EXPLORATION AND RESOURCE INFILL DRILLING PROGRAMME UPDATE

During the quarter, Argent completed a reassessment of the planned drilling programmes in view of the commercial impact of the recent metallurgical breakthroughs and updated metals pricing.

The Company is planning to test the Exploration Target through the following revised drilling programme schedule:

- Stage 1 Mineralisation and genetic model verification comprising approximately 4,100 metres of drilling, targeting completion before the end of CY 2018*.
- Stage 2 Resource category drilling. Further resource infill drilling will be conducted to a level sufficient to estimate an additional mineral resource, if any, initially to Inferred category (contingent on satisfactory results from Stage 1). Stage 2 timing is envisaged to be completed during CY 2019*. Further infill drilling may be conducted by the Company in order to estimate Indicated and Measured categories ahead of potential Ore Reserve assessments, subject to the results of this stage, including a reassessment of the project economics.

* The indicated timings are subject to the completion of heritage surveys where applicable, the timely finalisation of land access matters, the completion of regulatory approvals and statutory notice periods, weather, as well as all and any other operational factors that could affect the ability of the Company to perform drilling.

The Company is currently expediting Stage 1 from planning through to execution. In addition to hole design, the process involved field checking of hole collar positions and detailed environmental impact assessment, as well as the management of land access matters related to drilling planned outside Argent's freehold land.

An application for drilling has been submitted to the NSW Government Department of Planning and Environment (NSW DPE) for approval and initial site preparations have commenced.

Commencement of drill pad construction is subject to, among several items including for example, NSW DPE approval, statutory notifications to the relevant authorities and their responses, and contractor mobilisation.

CASH POSITION

Argent's cash position as at 30 June 2018 was \$ 1,649,466.

Additional details are provided in the following appendices of this announcement:

Appendix A – Tenements;

Appendix B – Kempfield Mineral Resource and Exploration Target estimates;

Appendix C - Kempfield Mineral Resource by Category and Material Classification; and

Appendix 5B.

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APPENDIX A - TENEMENTS

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

Table 1 – Mining Tenement¹ Interest Activities for the Quarter Ended 30 June 2018

Tenement Identifier	Location	Interest Acquired During Quarter	Interest Divested During Quarter	Interest Held at End of Quarter
Kempfield				
EL5645 (1992)	NSW	-	-	100% ²
EL5748 (1992)	NSW	-	-	100% ²
EL7134 (1992)	NSW	-	-	100% ²
EL7785 (1992)	NSW	-	-	100% ²
EL7968 (1992)	NSW	-	-	100% ²
EL8213 (1992)	NSW	-	-	100% ²
PLL517 (1924)	NSW	-	-	100% ²
PLL519 (1924)	NSW	-	-	100% ²
PLL727 (1924)	NSW	-	-	100% ²
PLL728 (1924)	NSW	-	-	100% ²
West Wyalong				
EL8430 (1992)	NSW	0.16%	-	78.14% ³
Loch Lilly				
EL8199	NSW	51%	-	51% ⁴
EL8200	NSW	51%	-	51% ⁴
EL8515	NSW	51%	-	51% ⁴
EL8516	NSW	51%	-	51% ⁴
Queensberry				
EL9/2016	TAS	-	-	100%
Ringville				
El12/2017	TAS	-	-	100%
Sunny Corner				
EL5964 (1992)	NSW	-	-	70% ⁵

Notes

- 1. The definition of "Mining Tenement" in ASX Listing Rule 19.12 is "Any right to explore or extract minerals in a given place".
- 2. For all Kempfield tenements the tenement holder is Argent (Kempfield) Pty Ltd, a wholly owned subsidiary of Argent.
- 3. Under the West Wyalong Joint Venture and Farmin Agreement dated 8 June 2007 between Golden Cross Operations Pty Ltd and Argent as tenement holder (WWJVA), Argent has earned a 70% interest. The ongoing interests of the parties includes WWJVA expenditure contribution and dilution provisions commencing on a 70/30 basis.
- 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 100% owned subsidiary of Argent Minerals Limited. Under the Loch Lilly Farmin 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 to be earned by completing the drill test for the Eaglehawk and Netley targets. For further details on Farmin terms and conditions see ASX announcement 20 February 2017 Argent secures strategic stake in Mt. Read equivalent belt.
- 5. The tenement holder is Golden Cross Operations Pty Ltd.

APPENDIX B – KEMPFIELD MINERAL RESOURCE AND EXPLORATION TARGET ESTIMATES

Mineral Resource estimate

The updated Kempfield JORC 2012 Mineral Resource estimate (prior to the planned future update following further drilling), as announced on 30 May 2018, is summarised in the following table:

		Silver (Ag)			Gold (Au)		.ead Pb)	Zir (Zi			n-situ Cor Equi Eq	itained valents Ag	2
	Resource Tonnes (Mt)	Grade (g/t)	Contained Metal (Moz)	Grade (g/t)	Contained Metal (000 oz)	Grade (%)	Contained Metal (000 t)	Grade (%)	Contained Metal (000 t)	Grade (Zn Eq %)	Contained Zn Eq (000 t)	Grade (Ag Eq g/t)	Contained Ag Eq (Moz)
Total	26	40	33	0.12	100	0.46	120	1.0	250	2.0	520	120	100

Exploration Target estimate

An Exploration Target for potential mineralisation, **additional to the existing resource**, has been estimated by H&S Consultants Pty Ltd (H&SC), as summarised in the following table:

		Silver (Ag)			Gold (Au)		ead Pb)	Zir (Zi			n-situ Con Equiv Eq	itained valents Ag	2
Approx. Range	Resource Tonnes (Mt)	Grade (g/t)	Contained Metal (Moz)	Grade (g/t)	Contained Metal (000 oz)	Grade (%)	Contained Metal (000 t)	Grade (%)	Contained Metal (000 t)	Grade (Zn Eq %)	Contained Zn Eq (000 t)	Grade (Ag Eq g/t)	Contained Ag Eq (Moz)
Lower	20	20	13	0.1	64	0.3	60	0.7	140	1.3	300	80	58
Upper	50	40	64	0.2	320	0.5	250	1.0	500	2.1	1,000	130	190

Notes:

1. The upper and lower grades of the Exploration Target estimate do not necessarily correspond to the upper and lower tonnages, nor do the upper and lower grades for each element necessarily correspond.

2. Ag Eq is based on US\$16.77/oz Ag, US\$1,295/oz Au, US\$2,402/t Pb, and US\$3,219/t Zn, recoverable at 86% of head grade for Ag, 90% for Au, 92% for Zn, and 53% for Pb.

3. The Exploration Target estimate is based on a cutoff grade 80 g/t Ag Eq.

4. The Exploration Target has been estimated on the basis of a combination of Exploration Results and the proposed exploration programmes set out under the heading 'About the resource infill drilling programme' in the 8 November 2017 announcement – Kempfield Exploration Target. A detailed technical description of the Exploration Target estimation methodology employed by H&SC (which remains unchanged) is provided in Appendix B of this announcement.

5. The Exploration Target is based on 515 holes/49,229 metres, with drill hole spacing generally greater than 100 metres, and sample spacing (downhole) predominantly 1.0 metres.

6. The Company is planning to test the Exploration Target with the following drilling programme schedule:

- Stage 1 Mineralisation and genetic model verification comprising approximately 4,100 metres of drilling, targeting completion before the end of CY 2018*.
- Stage 2 Resource category drilling. Further resource infill drilling will be conducted to a level sufficient to estimate an additional mineral
 resource, if any, initially to Inferred category (contingent on satisfactory results from Stage 1). Stage 2 timing is envisaged to be completed
 during CY 2019*. Further infill drilling may be conducted by the Company in order to estimate Indicated and Measured categories ahead
 of potential Ore Reserve assessments, subject to the results of this stage, including a reassessment of the project economics.

* The indicated timings are subject to the completion of heritage surveys where applicable, the timely finalisation of land access matters, the completion of regulatory approvals and statutory notice periods, weather, as well as all and any other operational factors that could affect the ability of the Company to perform drilling.

APPENDIX C – KEMPFIELD MINERAL RESOURCE BY CATEGORY AND MATERIAL CLASSIFICATION

The existing Kempfield mineral resource by category (prior to the planned update) is summarised in the following table. At cut-off grades 25 g/t Ag for Oxide/Transitional and for 80 g/t Ag equivalent¹ for Primary:

Table 1 - Kempfield existing Resource Summary

		Silver (Ag)			Gold (Au)		ead Pb)	Zir (Z			n-situ Cor Equi I Eq	itained valents Ag	2
	Resource Tonnes (Mt)	Grade (g/t)	Contained Metal (Moz)	Grade (g/t)	Contained Metal (000 oz)	Grade (%)	Contained Metal (000 t)	Grade (%)	Contained Metal (000 t)	Grade (Zn Eq %)	Contained Zn Eq (000 t)	Grade (Ag Eq g/t)	Contained Ag Eq (Moz)
Oxide/ Transitional	. 6.0	55	11	0.11	21	N/R ¹	N/R ¹	N/R ¹	N/R ¹	1.0	62	64	12
Primary**	20	35	23	0.13	81	0.60	120	1.3	250	2.3	450	140	91
Total***	26	40	33	0.12	100	0.46	120	1.0	250	2.0	520	120	100

Table 2 – Kempfield Mineral Resource by category

		Grad	e (g/t)	Grade	e (%)	In-situ (Contained Z Ec	n Eq and Ag
Category	Resource Tonnes (Mt)	Silver (Ag)	Gold (Au)	Lead (Pb)	Zinc (Zn)	Zinc Equivalent (Zn Eq %)	Silver Equivalent (Ag Eq g/t)
Oxide/Transitional							
Measured	2.7	68	0.11	_	-	1.2	76
Indicated	2.7	47	0.11	-	-	0.9	56
Inferred	0.6	39	0.08	-	-	0.7	45
Total Oxide/Transitional	6.0	55	0.11	-	-	1.0	64
Primary							
Measured	4.7	49	0.12	0.65	1.3	2.5	150
Indicated	10	34	0.13	0.57	1.2	2.2	140
Inferred	4.9	25	0.12	0.60	1.4	2.2	140
Total Primary	20	35	0.13	0.60	1.3	2.3	140
Total Resource	26	40	0.12	0.46	1.0	2.0	120

<u>Notes</u>:

* The asterisks in Table 1 correspond to *90% **76% ***79%: as % of resource tonnes in Measured or Indicated category.

1. Not recoverable.

2. Ag Eq for Table 1 and Table 2 is based on US\$16.77/oz Ag, US\$1,295/oz Au, US\$2,402/t Pb, and US\$3,219/t Zn, recoverable at 86% of head grade for Ag, 90% for Au, 92% for Zn, and 53% for Pb.

3. The company confirms that it is not aware of any new information or data that materially affects the information provided above, the company confirms that all material assumptions and technical parameters underpinning the Mineral Resource estimate continue to apply and have not materially changed. For full details please refer to the 30 May 2018 announcement – Significant Kempfield Resource Update.

COMPETENT PERSON STATEMENTS

Previously Released Information

This ASX announcement contains information extracted from the following reports which are available for viewing on the Company's website <u>http://www.argentminerals.com.au</u> :

- 1. 12 April 2018 Separate Commercial Grade Concentrates Kempfield Milestone¹
- 2. 30 May 2018 Significant Kempfield Mineral Resource Update²
- 3. 6 June 2018 Significant Kempfield Exploration Target Revision²

Competent Person:

- 1. Roland Nice
- 2. Arnold van der Heyden

The Company confirms it is not aware of any new information or data that materially affects the information included in the original market announcements, and, in the case of estimates of Mineral Resources or Ore Reserves, that all material assumptions and technical parameters underpinning the estimates in the relevant market announcements continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcement

+Rule 5.5

Appendix 5B

Mining exploration entity and oil and gas exploration entity quarterly report

Introduced 01/07/96 Origin Appendix 8 Amended 01/07/97, 01/07/98, 30/09/01, 01/06/10, 17/12/10, 01/05/13, 01/09/16

me of entity					
ARGENT MINERALS LIMITED					
BN		Quarter ended ("current quarter")			
89 124 78	30 276	30 June 2018			
89 124 78	30 276	30 June 2018			

Con	solidated statement of cash flows	Current quarter \$A'000	Year to date (12 months) \$A'000
1.	Cash flows from operating activities		
1.1	Receipts from customers		
1.2	Payments for		
	(a) exploration & evaluation	(260)	(1,494)
	(b) development	-	-
	(c) production	-	-
	(d) staff costs	(33)	(108)
	(e) administration and corporate costs	(150)	(742)
1.3	Dividends received (see note 3)	-	-
1.4	Interest received	6	24
1.5	Interest and other costs of finance paid	-	-
1.6	Income taxes paid	-	-
1.7	Research and development refund	-	693
1.8	Other – NSW co-operative drilling grant	-	142
1.9	Net cash from / (used in) operating activities	(437)	(1,485)

2.	Cash flows from investing activities		
2.1	Payments to acquire:		
	(a) property, plant and equipment	-	(24)
	(b) tenements (see item 10)	-	(7)
	(c) investments	-	-
	(d) other non-current assets	-	-

+ See chapter 19 for defined terms

1 September 2016

Con	solidated statement of cash flows	Current quarter \$A'000	Year to date (12 months) \$A'000
2.2	Proceeds from the disposal of:		
	(a) property, plant and equipment	-	-
	(b) tenements (see item 10)	-	-
	(c) investments	-	-
	(d) other non-current assets	-	-
2.3	Cash flows from loans to other entities	-	-
2.4	Dividends received (see note 3)	-	-
2.5	Other – Security deposits	-	19
2.6	Net cash from / (used in) investing activities	-	(12)

3.	Cash flows from financing activities		
3.1	Proceeds from issues of shares	-	1,200
3.2	Proceeds from issue of convertible notes	-	-
3.3	Proceeds from exercise of share options	-	-
3.4	Transaction costs related to issues of shares, convertible notes or options	-	(84)
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)	-	-
3.10	Net cash from / (used in) financing activities	-	1,116

4.	Net increase / (decrease) in cash and cash equivalents for the period		
4.1	Cash and cash equivalents at beginning of period	2,086	2,030
4.2	Net cash from / (used in) operating activities (item 1.9 above)	(437)	(1,485)
4.3	Net cash from / (used in) investing activities (item 2.6 above)	-	(12)
4.4	Net cash from / (used in) financing activities (item 3.10 above)	-	1,116
4.5	Effect of movement in exchange rates on cash held	-	-
4.6	Cash and cash equivalents at end of period	1,649	1,649

+ See chapter 19 for defined terms 1 September 2016

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	134	170
5.2	Call deposits	1,515	1,916
5.3	Bank overdrafts	-	-
5.4	Other – Advance monies received from Placement.	-	-
5.5	Cash and cash equivalents at end of quarter (should equal item 4.6 above)	1,649	2,086

6.	Payments to directors of the entity and their associates	Current quarter \$A'000
6.1	Aggregate amount of payments to these parties included in item 1.2	50
6.2	Aggregate amount of cash flow from loans to these parties included in item 2.3	-
6.3	Include below any explanation necessary to understand the transaction items 6.1 and 6.2	ons included in
N/A		

7.	Payments to related entities of the entity and their
	associates

Current quarter \$A'000
-
-

- 7.1 Aggregate amount of payments to these parties included in item 1.2
- 7.2 Aggregate amount of cash flow from loans to these parties included in item 2.3
- 7.3 Include below any explanation necessary to understand the transactions included in items 7.1 and 7.2

N/A

8.	Financing facilities available Add notes as necessary for an understanding of the position	Total facility amount at quarter end \$A'000	Amount drawn at quarter end \$A'000	
8.1	Loan facilities	-	-	
8.2	Credit standby arrangements	-	-	
8.3	Other (please specify)	-	-	
8.4	Include below a description of each facility above, including the lender, interest rate and			

8.4 Include below a description of each facility above, including the lender, interest rate and whether it is secured or unsecured. If any additional facilities have been entered into or are proposed to be entered into after quarter end, include details of those facilities as well.

N/A

9.	Estimated cash outflows for next quarter	\$A'000
9.1	Exploration and evaluation	600
9.2	Development	-
9.3	Production	-
9.4	Staff costs	33
9.5	Administration and corporate costs	150
9.6	Other (provide details if material)	-
9.7	Total estimated cash outflows	783

10.	Changes in tenements (items 2.1(b) and 2.2(b) above)	Tenement reference and location	Nature of interest	Interest at beginning of quarter	Interest at end of quarter
10.1	Interests in mining tenements and petroleum tenements lapsed, relinquished or reduced	Nil			
10.2	Interests in mining tenements and petroleum tenements acquired or increased	<u>West Wyalong</u> WW8430	Exploration	77.89%	78.14%

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.

Sign here:

Company secretary

Date: 23 July 2018.

Print name: Vinod Manikandan

Notes

- 1. The quarterly report provides a basis for informing the market how the entity's activities have been financed for the past quarter and the effect on its cash position. An entity that wishes to disclose additional information is encouraged to do so, in a note or notes included in or attached to this report.
- 2. If this quarterly 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 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.