

ARGENT MINERALS LIMITED ASX:ARD

PRESENTATION TO 8TH ANNUAL MINING NSW CONFERENCE, ORANGE GAINING A BETTER UNDERSTANDING OF A MUCH LARGER SYSTEM 27 AUGUST 2014

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 grades and recovery rates, production and prices, recovery costs and results, capital expenditures, and are or may be based on assumptions and estimates
 related to future technical, economic, market, political, social and other conditions;
- are necessarily based upon a number of estimates and assumptions that, while considered reasonable by Argent Minerals, are inherently subject to significant technical, business, economic, competitive, political and social uncertainties and contingencies; and,
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All forward-looking statements made in this Presentation are qualified by the foregoing cautionary statements. In particular, the corporate mission and strategy of the Company set forth in this Presentation represents aspirational long-term goals based on current expectations. Investors are cautioned that forward-looking statements are not guarantees of future performance and accordingly investors are cautioned not to put undue reliance on forward-looking statements due to the inherent uncertainty therein.

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ARGENT AT A GLANCE

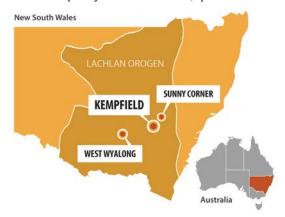


Capital Structure	
Ordinary shares (ASX:ARD)	153.6M
Share price ¹	\$0.03
Market capitalisation ¹	\$4.6M
Cash ¹	\$893,000
Listed Options (ASX:ARDO) ²	53M
ASX Listing	3 April 2008
Top 20 shareholders ³	40.3%

^{1.} As at 30/6/14 2. \$0.175, expiry 31/3/16 3. As at 24/9/13 (2013 Annual Report)

Board & Manageme	ent
Stephen Gemell	Chairman (Non-exec) B.Eng (Hons), FAusIMM (CP)
David Busch	Managing Director B.Eng, BSc, MAusIMM
Marcus Michael	Director (Non-exec) B.Bus, CA
Sarah Shipway	Company Secretary B.Com, CA
	Chief Geologist ogy), PhD (Economic Geology), ional Geoscientist (RPG), MAIM

Three projects in rich, productive geological terrane, featuring:



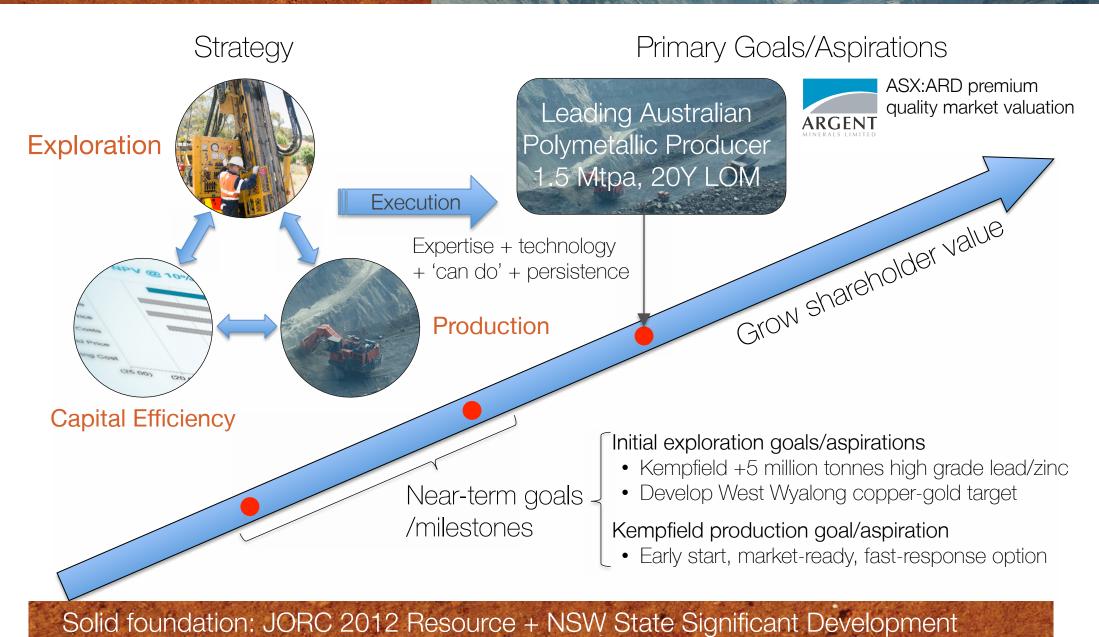
Kempfield Polymetallic Project (Argent 100%)

- Near-term cash generation potential NSW State Significant status
- 22 million tonne JORC 2012 Resource silver, lead, zinc & gold
- World-class growth potential identified, rich targets to be drilled

West Wyalong (now 51%): large porphyry copper-gold target identified

BUSINESS MODEL





ARGENT STRATEGY: THREE KEY ELEMENTS





Initial goals/aspirations:

- Kempfield: +5 million tonnes, high grade lead/zinc focus
 - Feeder zone and multiple VMS lens potential
- West Wyalong: drill large identified porphyry copper-gold target

Feedstock

Funding (self-sustaining)

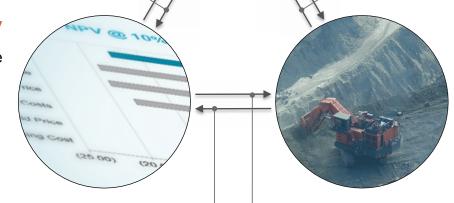
Efficient funding

Market valuation of Argent

Capital Efficiency

Goal: Competitive capital structure

- Approx. \$1.8 M in Government R&D claims over last 12 months
- Only 10% dilution in ordinary shares since August 2011



Production

Kempfield: Key goals/aspirations

- Early start, market-ready, fast-response option
- Reduction of economic viability threshold to \$15-20/oz silver (2012 PFS based on \$30/oz)
- Progress regulatory approvals for readiness
 - Environmental Impact Statement submitted, feedback received

Income

Expansion/maintenance capital

KEMPFIELD ADVANCING FIRMLY AS A POLYMETALLIC PROJECT



INCREASED EXPOSURE TO ZINC AS MARKETS PRICE IN SUPPLY OUTLOOK

HISTORICAL LME ZINC SPOT AND STOCKS - 12 MONTHS ACTUAL



UBS FORECAST¹ LME ZINC SPOT + 150,000 \$2,500 (\$/t, RHS) 100,000 \$2,300 50,000 \$2,100 -50,000 -100,000 surplus/-deficit -150,000 \$1,900 (tonnes, LHS) -200,000 \$1,700 -250,000 2012 2014e 2017e 2013 2015e 2018e 2016e

Mine	Production (ktpa) ²	Closing Date ²
Century	455-470	2015
Lisheen	180	FY2014-15
Skorpion	125	2016-17
Tara	166	2019
Rosebery	80-85	2024

^{1.} UBS Global I/O®: Miner's Price Review 9 July 2014

^{2.} Company public reports as at the date of this presentation (most recent production). Investors must not rely on this information. Please refer directly to the individual company reports.

^{3.} Based on world usage rate forecast of 13.58 million tonnes for 2014. Source: International Lead and Zinc Study Group: 'ILZSG Spring 2014 Meetings/Forecasts' 2 April 2014.

JORC 2012 RESOURCE ANNOUNCED 6 MAY 2014

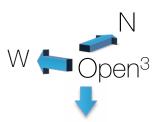


52 MILLION OUNCES SILVER EQUIVALENT OF SILVER, LEAD, ZINC & GOLD

At cutoff grades 25 g/t (Oxide/Transitional) and 50 g/t Ag Eq (Primary):

		Silver (Ag)		Gold (Au)		Lead (Pb)		Zinc (Zn)		In-situ Contained Ag Equivalent ¹	
	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 (Ag Eq g/t)	Contained Ag Eq (Moz)
Oxide/ Transitional*	6.0	55	10.7	0.11	21	N/A	N/A	N/A	N/A	-	11.7
Primary**	15.8	44	22.3	0.13	66	0.62	97	1.3	200	-	40.5
TOTAL***	21.8	47	33.0 M	0.12	86	N/A	97	N/A	200	75	52 M
								Υ	J		

^{86%} Measured or Indicated



^{2:1} Zinc:Lead

^{1.} See Appendix A for further detail.

^{2. * 90% ** 79% *** 82%:} Percentage of Resource tonnes in Measured or Indicated Category (86% of the total contained silver metal ounces is in either Measured or Indicated Category.

^{3.} Mineralisation is open to the West, North and at depth

^{4.} The data on which the Mineral Resource estimate is based does not yet include the drilling intercepts announced 10 March 2014

ABOUT THE JORC 2012 RESOURCE UPGRADE



EXCELLENT RESULT FOR ARGENT

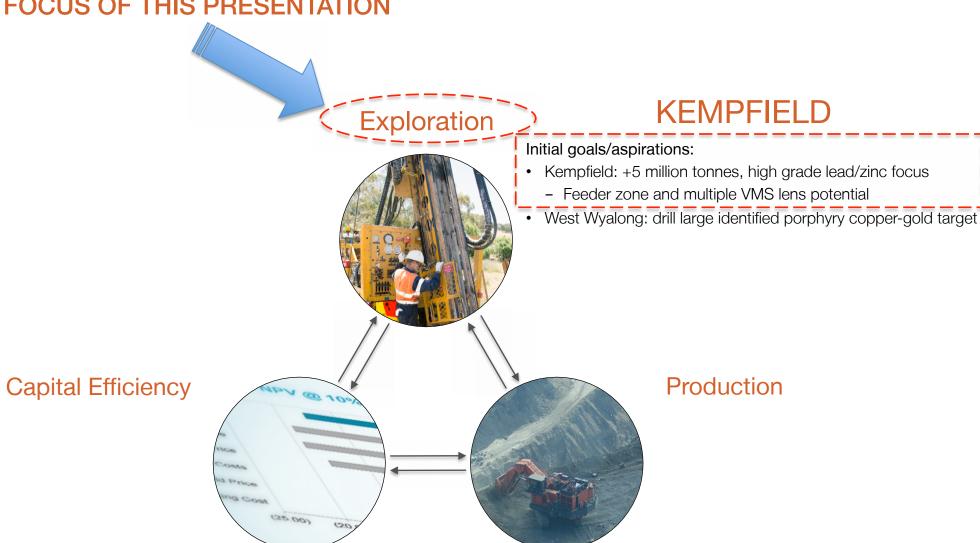
- Review process conducted by H&S Consultants
- Database: clean bill of health through excellent QAQC
- No change in Resource categories 'High Distinction' score: 86% Measured/Indicated
- Kempfield Resource ready for next phase of exploration
- Solid foundation for growth



KEMPFIELD EXPLORATION



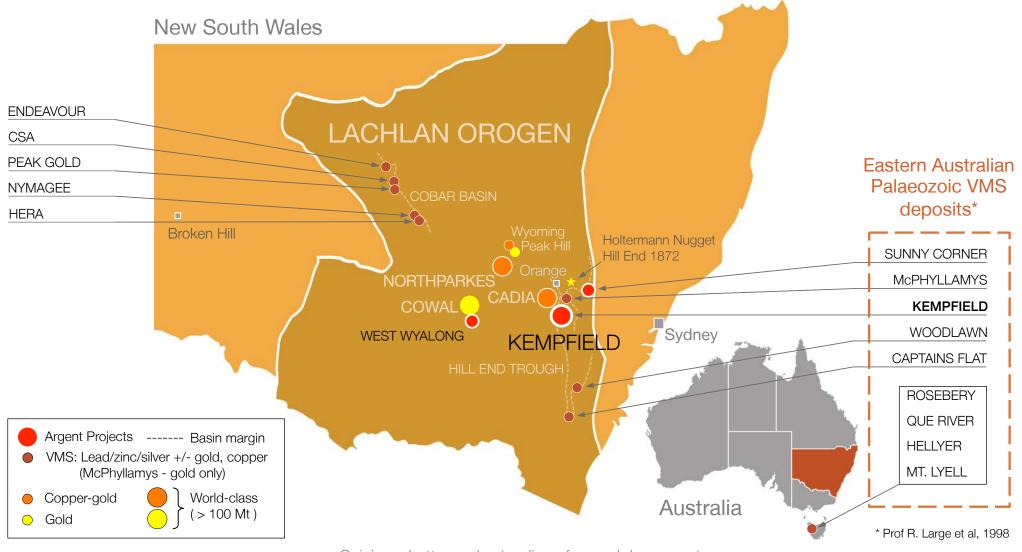
KEY FOCUS OF THIS PRESENTATION



STRATEGICALLY POSITIONED IN WORLD-CLASS NEIGHBOURHOOD



- HIGHLY PRODUCTIVE GEOLOGICAL TERRANE
- COMPELLING PEER GROUP: RICH VMS DEPOSITS AT BASIN MARGINS



STRONG PEER GROUP IMPLIES SIGNIFICANT UPSIDE POTENTIAL



RESEARCH LED BY PROFESSOR ROSS LARGE

Centre of Excellence in Ore Deposit Research (CODES)¹:

Key Features: Palaeozoic VMS Dep	oosits Target					
Major deposit size	15-90 Mt					
Average grade (Cu-Pb-Zn deposits)	1.0% Cu, 12% Zn, 5% Pb					
High Ag and Au credits	120 g/t Ag, 2.0 g/t Au					
Zn-Pb massive sulphide lens is stratiform						
Vertical (up-stratigraphy) zonation of Cu/	/Au -> Pb/Zn/Ag/Au -> Ba					

Kempfield Comparison²

✓ 21.8 Mt + significant potential

Exploration focus. Similar grades intercepted at West McCarron.

- Multiple lenses
- ✓ Increasing Pb-Zn-Ag-Au grades

EASTERN AUSTRALIAN PALAEOZOIC VMS DEPOSITS

- Strong evidence that all belong to the one genetic group of ore deposits¹
- Similarities noted by Prof Ross Large between Kempfield Causeway Zone and the rich Que River deposit³
- Major source of Cu ± Au, and significant source of Pb-Zn-Ag over the last 100 years (ref 1998)¹

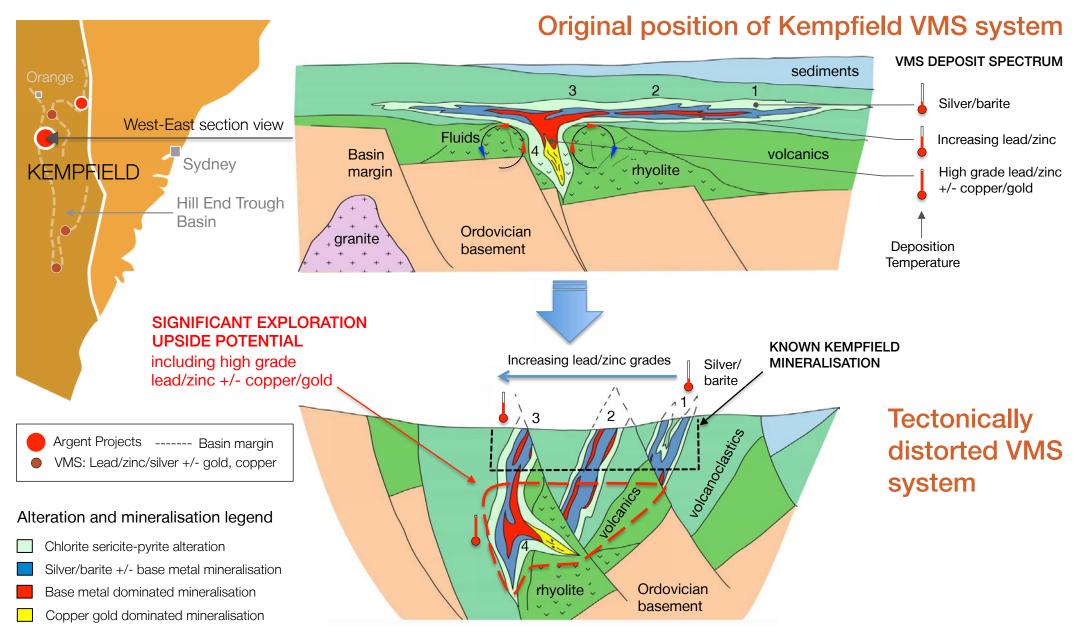
^{1.} Summary information has been extracted by Argent from the following scientific publication: J. Bruce Gemmell, Ross R. Large & Khin Zaw, Centre of Excellence in Ore Deposits, University of Tasmania, 1998. Palaeozoic volcanic-hosted massive sulphide deposits. AGSO Journal of Australian Geology & Geophysics 17(4). 129-137.

^{2.} Comparisons made by Argent Minerals based on the above referenced scientific paper

^{3.} See ASX Announcement 21 February 2013

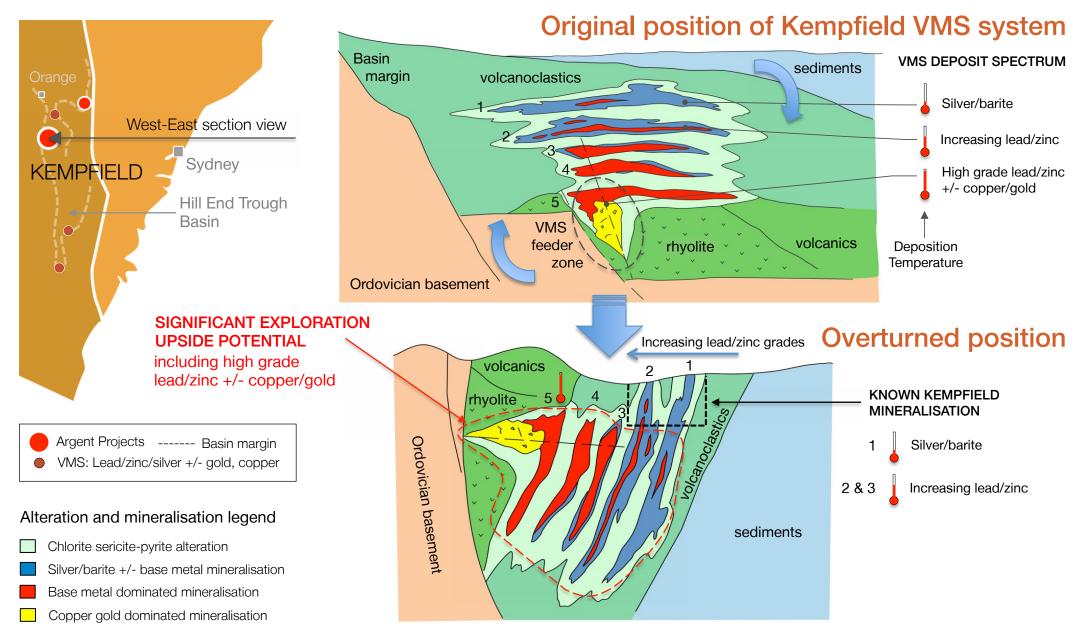
GENESIS MODEL 1 - TECTONICALLY DISTORTED VMS COMPLEX





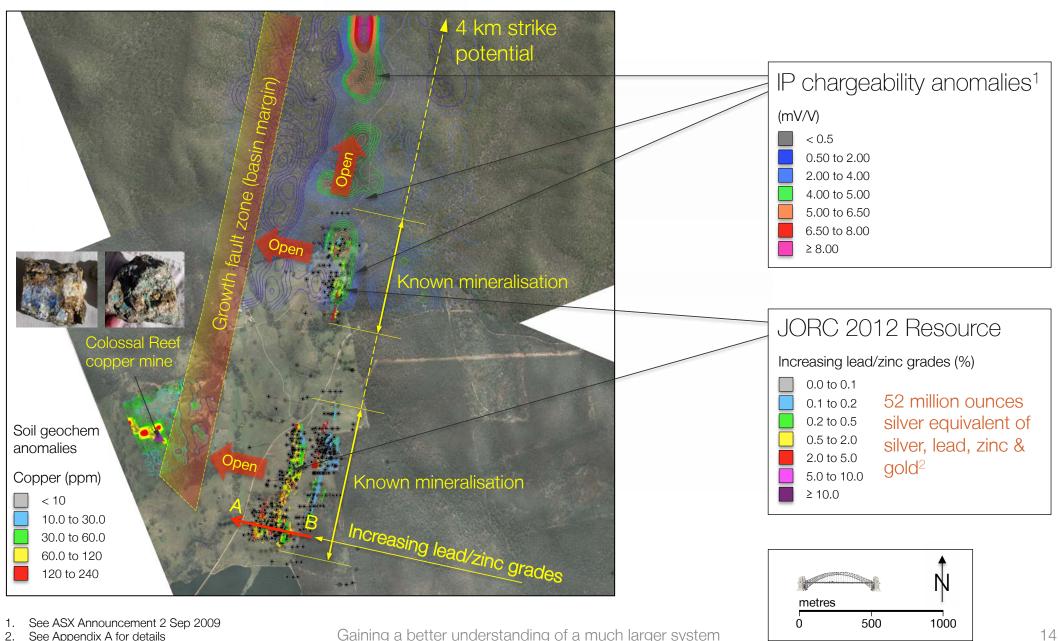
GENESIS MODEL 2 (FAVOURED) - OVERTURNED VMS MOUND





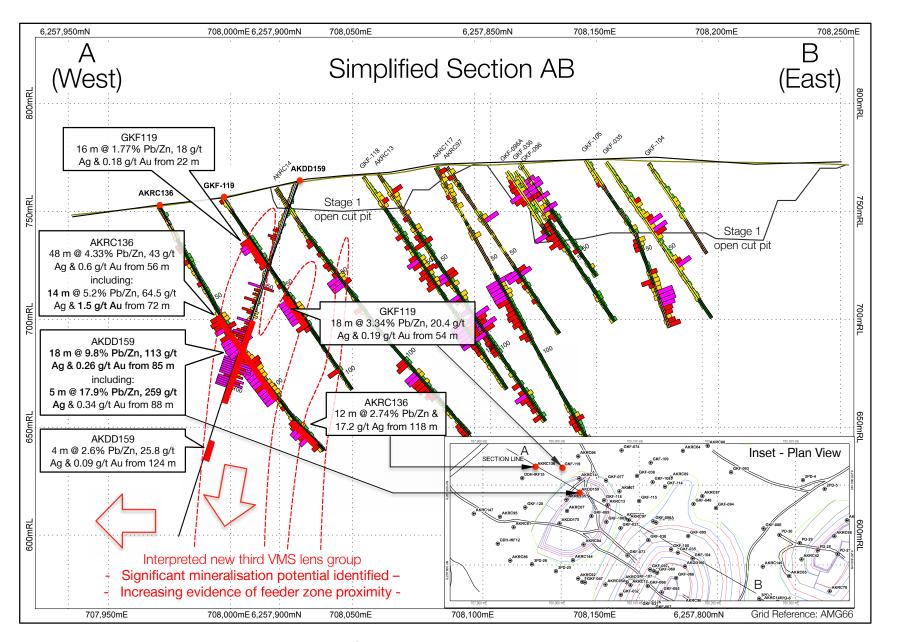
SUBSTANTIAL OPEN, HIGHLY PROSPECTIVE, UNTESTED AREAS





RICH INTERCEPTS - NEW THIRD VMS LENS



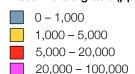


HISTOGRAM LEGEND

Base metals grade (Zn)

Histograms on left hand side of drillholes

Base metals grade (ppm)

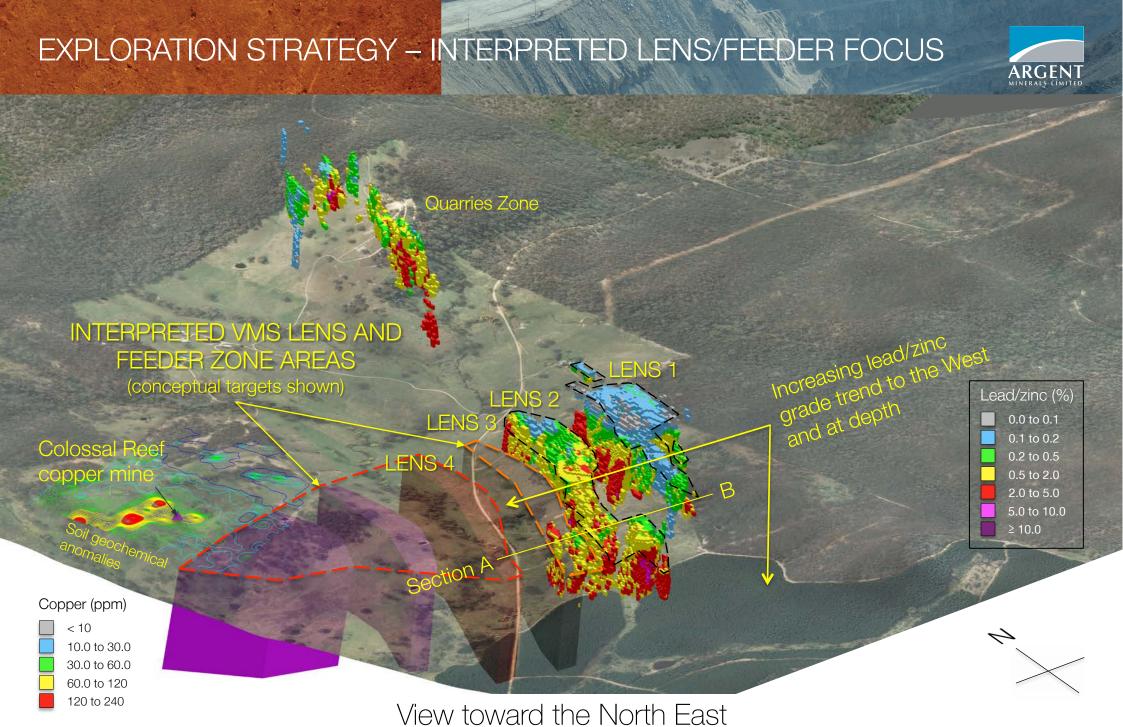


Precious metals grade (Ag)

Histograms on right hand side of drillholes

Ag Grade (ppm)



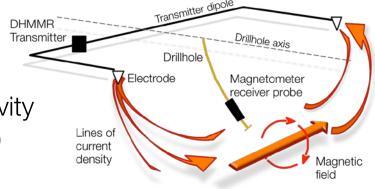


EXPLORATION PLAN



NEW GEOPHYSICAL TOOL IDENTIFIED FOR KEMPFIELD

- DHMMR¹ for lead/zinc target definition (July 2014)
- Confirmed complement to existing geophysics
- ✓ Clear, strong response to known rich, low conductivity Kempfield lead/zinc mineralisation (West McCarron)
- ✓ Peers: Perilya Potosi and North Mine Zinc Lodes



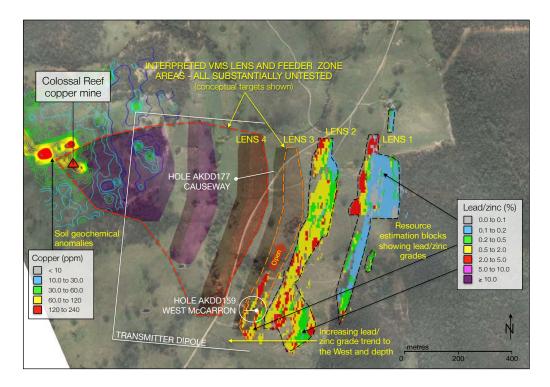
Source: Kate Hine/Mitre Geophysics

TARGET DELINEATION

Conduct surface MMR over interpreted
 VMS lens and feeder zone

IN PROGRESS

DRILL TEST



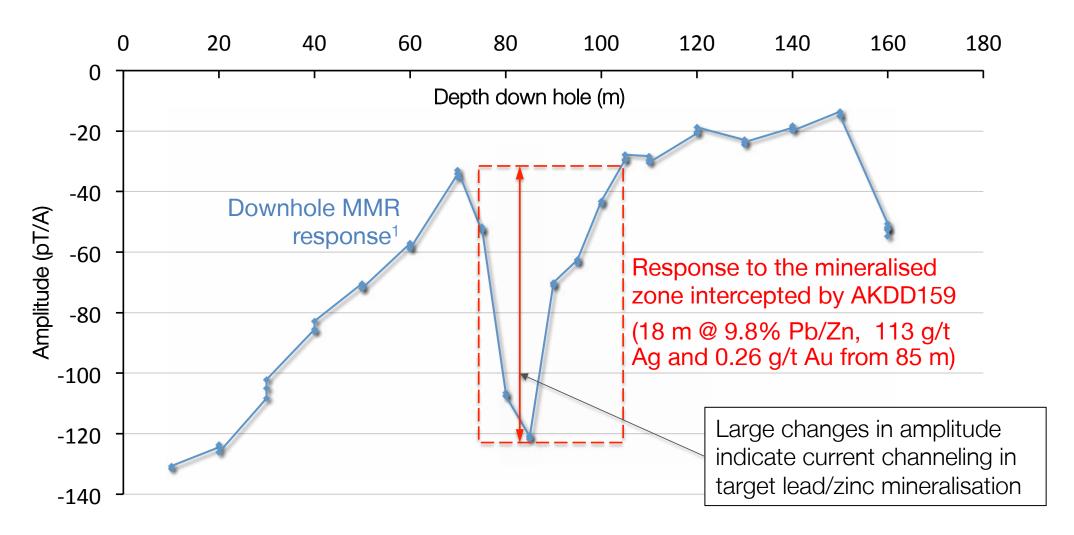
^{1.} Downhole MagnetoMetric Resistivity survey – see 24 June 2014 ASX Announcement

^{2.} Reverse circulation (RC) to water table (approximately 50 m)

SIGNIFICANT GEOPHYSICS BREAKTHROUGH FOR KEMPFIELD



CLEAR, STRONG DOWNHOLE MMR RESPONSE TO LEAD/ZINC MINERALISATION

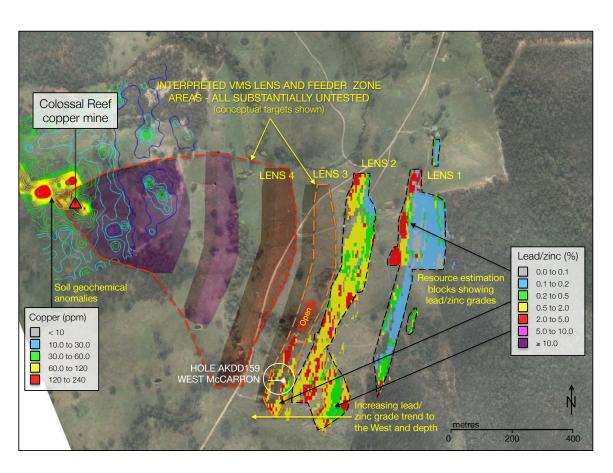


^{1.} See 31 July 2014 ASX Announcement

SURFACE MMR SUCCESS



- STRONG CURRENT CHANNELING OBSERVED
 - ✓ Correlating with known lead/zinc mineralisation (Lens 2 and western edge of Lens 1)¹
- POTENTIAL NEW LEAD/ZINC LENS RESPONSES OBSERVED
 - Lens 4 and Lens 3



PROGRAM:

TARGET DELINEATION

- Complete surface MMR over interpreted VMS lens and feeder zone (August 2014)
- Geophysics analysis (September 2014)

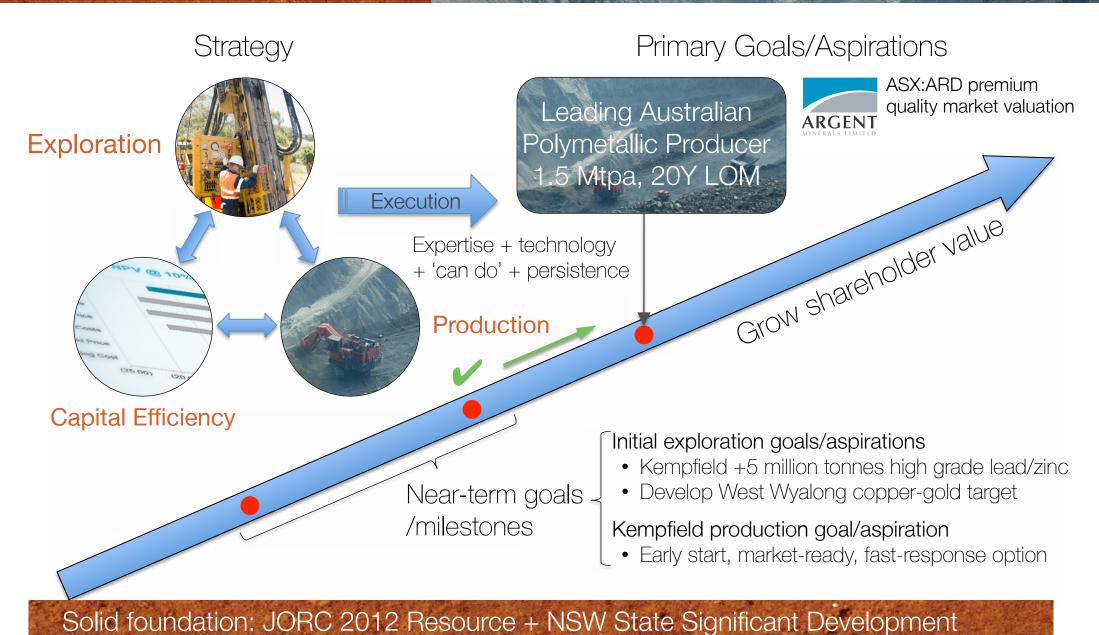
DRILL-TEST THE GENERATED TARGETS

- Colossal Reef area priority
- Test interpreted VMS lens and feeder
- Deep holes envisaged (eg. > 400m)
- RC pre-collar/diamond tails²
- Targeting commencement Oct 2014

- 1. See 15 August 2014 ASX Announcement
- 2. Reverse circulation (RC) to water table (approximately 50 m)

SUCCESS WILL BE A GAME CHANGER & 'COMPANY MAKER'





AND FOR THE LOCAL AND REGIONAL ECONOMIES....



EMPLOYMENT

- Up to 150 jobs in the construction year
- Up to 80 jobs during production years
- Training/skills enhancement

FLOW-ON EFFECTS TO LOCAL INDUSTRIES

- 'Multiplier effect' estimates range to 3X
- WEALTH CREATION
- ROYALTIES
- TAXES





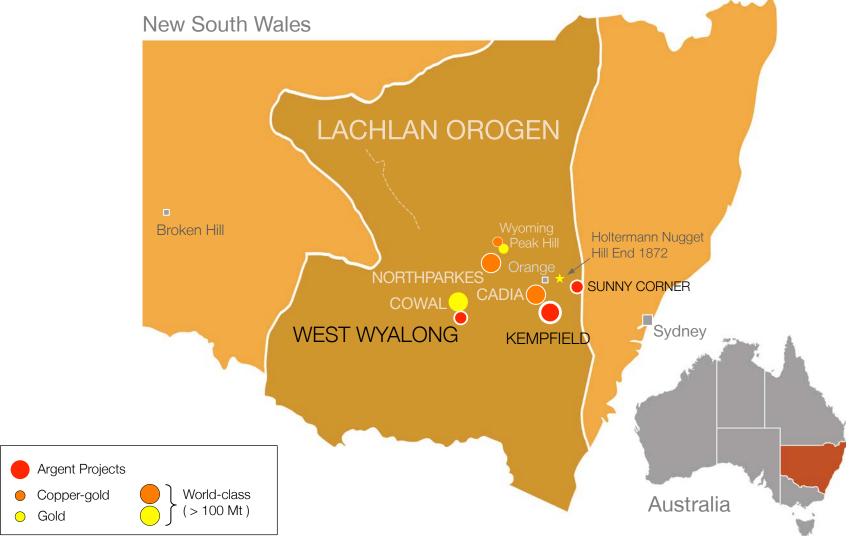
KEY FOCUS OF THIS PRESENTATION



WEST WYALONG PROJECT LEAPS FORWARD



- MAJOR DEPOSIT POTENTIAL INDICATED IN PROVEN PORPHYRY COPPER-GOLD AREA
- WEST WYALONG PROJECT NOW ON THE MAP

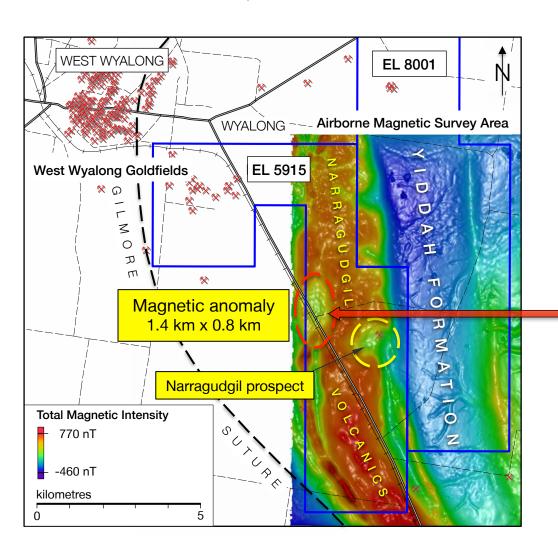


WEST WYALONG PROJECT LEAPS FORWARD

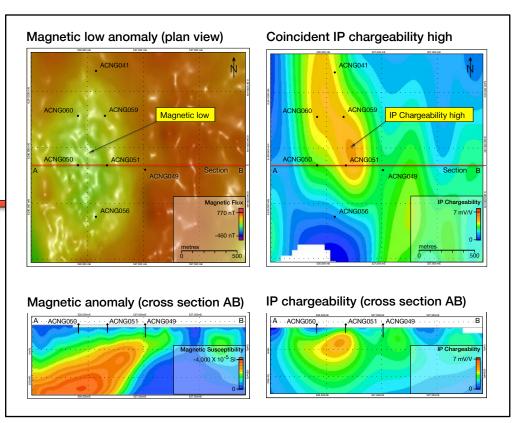


MAGNETIC SURVEY REVEALS LARGE PORPHYRY COPPER-GOLD TARGET

ARGENT PROJECT EQUITY NOW 51%



- Porphyry copper-gold signature indicated: coincident magnetic low and IP chargeability high anomalies in Ordovician volcanics
- Strong copper-gold geochemistry intersected by shallow aircore drilling
- Similarities to Northparkes system observed



ARGENT IN SUMMARY





Two strong projects with significant 'Company Maker' potential:

- Kempfield: +5 million tonnes goal, high grade lead/zinc focus
 - Feeder zone and multiple VMS lens potential
- West Wyalong: large identified porphyry copper-gold target

Feedstock

Funding (self-sustaining)

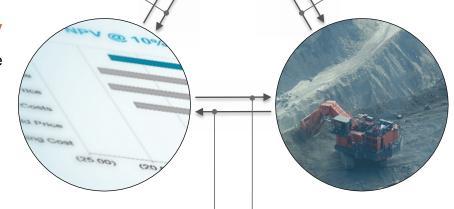
Efficient funding

Market valuation of Argent

Capital Efficiency

Goal: Competitive capital structure

- Approx. \$1.8 M in Government R&D claims over last 12 months
- Only 10% dilution in ordinary shares since August 2011



Production

Kempfield: NSW State Significant Development

- Market-ready, fast-response option preparation
- Key goal: Reduction of economic viability threshold to \$15-20/oz silver
- Progress regulatory approvals for readiness
 - Environmental Impact Statement submitted, feedback received

Income

Expansion/maintenance capital

THANK YOU

APPENDIX A - KEMPFIELD JORC 2012 RESOURCE STATEMENT SUMMARY



KEMPFIELD JORC 2012 RESOURCE STATEMENT SUMMARY

Table 1.0 is a summary of the Kempfield mineral resource announced on 6 May, 2014. Table 2.0 shows the Resource tonnes and grades by Measured, Indicated and Inferred categories, whilst Table 3.0 provides details of tonnes and contained metal in the Measured and Indicated categories.

At cutoff grades 25 g/t Ag (Oxide/Transitional) and for 50 g/t Ag equivalent¹ (Primary):

Table 1.0 - Kempfield Resource Summary

		Silver (Ag)		Gold (Au)		Lead (Pb)		Zinc (Zn)		In-situ Contained Ag Equivalent 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 (Ag Eq g/t)	Contained Ag Eq (Moz)
Oxide/ Transitional*	6.0	55	10.7	0.11	21	N/A	N/A	N/A	N/A	-	11.7
Primary**	15.8	44	22.3	0.13	66	0.62	97	1.3	200	-	40.5
TOTAL***	21.8	47	33.0 M	0.12	86	N/A	97	N/A	200	75	52 M

^{* 90% ** 79% *** 82%:} Percentage of Resource tonnes in Measured or Indicated Category. See Table 3.0 for details.

Note 1 - 50 g/t Silver Equivalent Cutoff Grade

This Resource is only reported in Resource tonnes and contained metal (ounces of silver and gold, and tonnes for lead and zinc). The Resource estimation for the Primary material was based on a silver equivalent cutoff grade of 50 g/t.

A silver equivalent was not employed for the oxide/transitional material estimation and was based on a 25 g/t silver only cutoff grade.

The contained metal equivalence formula is based on the following assumptions made by Argent Minerals:

Silver price: \$US 30/oz (\$US 0.9645/g)

Gold price: \$US 1,500/oz
Lead & zinc price: \$US 2,200/tonne
Silver and gold recoverable and payable: 80% of head grade
Lead & zinc recoverable & payable: 55% of head grade

Based on metallurgical testing to date, Argent Minerals is of the opinion that recoverable and payable silver and gold of 80% is achievable, and recoverable and payable lead and zinc at 55% of the head grade. Argent Minerals is also of the opinion that this is consistent with current industry practice. These metallurgical recoveries were included in the calculation of silver equivalent cutoff grades used for reporting of Mineral Resources. Please note that Ag Eq is reported as in-situ contained ounces and grade ie. not recoverable & payable ounces and grade, and in accordance with the JORC Code 2012 Code for the Reporting of Exploration Results, Mineral Resources and Ore Reserves.

APPENDIX A - KEMPFIELD JORC 2012 RESOURCE STATEMENT SUMMARY



Table 2.0 - Resource by Category

		Grade	e (g/t)	Grade (%)		In-situ Grade (Contained Ag Eq g/t)	
Category	Resource Tonnes (Mt)	Silver (Ag)	Gold (Au)	Lead (Pb)	Zinc (Zn)	Silver Equivalent (Ag Eq)	
Oxide/Transitional							
Measured	2.7	68	0.11	-	-	73	
Indicated	2.7	47	0.11	-	-	52	
Inferred	0.6	39	0.08	=	-	43	
Total Oxide/Transitional	6.0	55	0.11	-	-	60	
Primary							
Measured	4.1	57	0.12	0.66%	1.2%	93	
Indicated	8.4	41	0.13	0.58%	1.2%	76	
Inferred	3.2	35	0.13	0.66%	1.4%	74	
Total Primary	15.8	44	0.13	0.62%	1.3%	80	
Total Resource	21.8	47	0.12	N/A	N/A	75	

Note 2 - Contained Silver Equivalent ('Ag Eq') Calculation Details

- (i) A revenue figure was calculated for each metal by category and material class (r) as follows:
 - r = tonnes * head grade * recoverable and payable %.
 - Eg. For Measured Oxide/Transitional silver: r = 2.7 Mt * 68 g/t * 80% / 31.1 g/oz * \$US 30/oz = \$US 142 M.
 - Eg. For Measured Primary Zinc: r = 4.1Mt * 1.2% * 55% *\$US 2,200/t = \$US 59.5M.
- (ii) Total revenue R was calculated for each resource category and material class as the sum of all the individual (r) revenues for that category and class.
- (iii) Contained silver metal equivalent ounces was then calculated as follows:
 - Ag Eq (oz) = R / Ag recoverable and payable % / Ag price = R / 80% /\$US 30.
- (iv) Contained silver metal grade was calculated as follows: Grade (Contained Ag Eq g/t) = Ag Eq (oz) * 31.1 / tonnes.

APPENDIX A - KEMPFIELD JORC 2012 RESOURCE STATEMENT SUMMARY



Table 3.0 - Kempfield Resource tonnes and contained metal in Measured and Indicated categories

	Contained Metal							
	Resource Tonnes (Mt)	Moz Silver (Ag)	000 oz Gold (Au)	000 t Lead (Pb)	000 t Zinc (Zn)	In-situ Moz Silver Equivalent (Ag Eq)		
Oxide/Transitional								
Measured	2.7	5.8	9.3	-	-	6.3		
Indicated	2.7	4.1	9.9	-	-	4.6		
Measured + Indicated	5.4	10	19	-	-	11		
As % of Total Oxide/Transitional	90%	93%	93%	-	-	93%		
Primary								
Measured	4.1	7.5	16	27	51	12		
Indicated	8.4	11	36	49	103	21		
Measured + Indicated	13	19	51	76	154	33		
As % of Total Primary	79%	83%	79%	78%	77%	81%		
Oxide/Transitional + Primary								
Measured	6.8	13	25	27	51	19		
Indicated	11	15	46	49	103	25		
Total Measured + Indicated	18	28	71	76	154	44		
As % of Total Resource	82%	86%	82%	78%	77%	84%		

Note 3 – Rounding and Significant Figures

Figures in the tables in this Appendix may not sum precisely due to rounding; the number of significant figures does not imply an added level of precision.

COMPETENT PERSON STATEMENTS



COMPETENT PERSON STATEMENTS

Previously Released Information

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

- 2 September 2009 Presentation to Mining NSW Conference;
- 21 February 2013 Argent Minerals Identifies Major Upside Potential at Kempfield Silver Project;
- 10 March 2014 Assays Confirm Third VMS Lens Group at Kempfield Revised;
- 6 May 2014 Kempfield Resource Statement Upgraded to JORC 2012 Standard;
- 24 June 2014 Kempfield Exploration Update Drill Target Delineation;
- 17 July 2014 Mag Survey Reveals Large Copper-Gold Target at West Wyalong;
- 24 July 2014 Geophysics Team Mobilises for Kempfield DHMMR Survey;
- 31 July 2014 Geophysics Breakthrough in Kempfield Lead/zinc Detection; and
- 15 August 2014 Kempfield Drill Target Update Surface MMR Success.

The Company confirms that 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 announcements.