



Corporate Presentation
Denver Gold Forum - September 2019

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Silver Mines Limited Introduction

BOWDENS SILVER A MAJOR ASSET FOR DEVELOPMENT

Feasibility complete for 2.0 Mtpa development.

One of the largest undeveloped silver deposits in globally.

New South Wales, Australia is a safe quality jurisdiction.

UNLOCKING A MAJOR MINERALISED SYSTEM THROUGH EXPLORATION SUCCESS

Major Exploration Targets at Bowdens Silver and Barabolar:

Confirmed significant extensions to mineralisation close to mine.

Discovered new base-metal massive sulphide including gold.

Discovered porphyritic felsic intrusion under the current resource.

Discovered extensive mineralised skarn with copper/gold targets.

8000 METRES DRILLING PROGRAM 4TH QUARTER 2019

Silver Mines Limited Snapshot

<u>Capital Structure</u>		ASX:SVL		
Shares on Issue		867.5m	Options	
Current Share Price		A\$0.12	Sept 2021 @ \$0.06	118.1m
Undiluted Market Capitalisation		A\$104.1m	Aug 2021 @ \$0.10	8.5m
Cash (September 2019)		A\$10.6m	3 year milestone @ \$0.20	5.0m
<u>Directors</u>			<u>Institutional Shareholders</u>	
Keith Perrett, Chairman			Sprott	Konwave
Anthony McClure, Managing Director			Regal	Brick Lane
Peter Langworthy, Non Executive Director				
Jonathan Battershill, Non Executive Director				
<u>Assets</u>				
Bowdens Silver	Mineral Resources		163 Moz Silver	275 Moz Silver Equivalent
	Ore Reserve		66 Moz Silver	97 Moz Silver Equivalent
Major Exploration Package Central New South Wales, Australia, Bowdens Silver Extensions and the Barabolar Project, the exploration focus			High order targets include precious metals epithermal, base metal VMS, Orogenic Gold, Intrusion Related Porphyry.	

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- SILVER
MINES LIMITED**

Bowdens Silver – A Major Asset

- 100% owned.
- Mineral Resource 275 Moz Ag Eq
- One of the largest undeveloped silver deposits in the world.
- Feasibility complete.
- EIS to be submitted shortly along with application for development approvals.
- Primary aspects of EIS now complete with positive outcomes across the board.

Gold : Silver Ratio Since 2000



- A high Gold : Silver ratio (now at 80:1) precedes a very positive silver market.

Bowdens Silver Feasibility Study

September 2017

*Mineral Resource Complete
(275 Moz Ag Eq)*



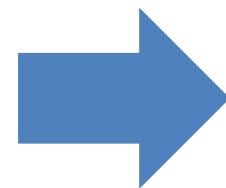
May 2018

*Ore Reserve Complete
(97 Moz Ag Eq)*



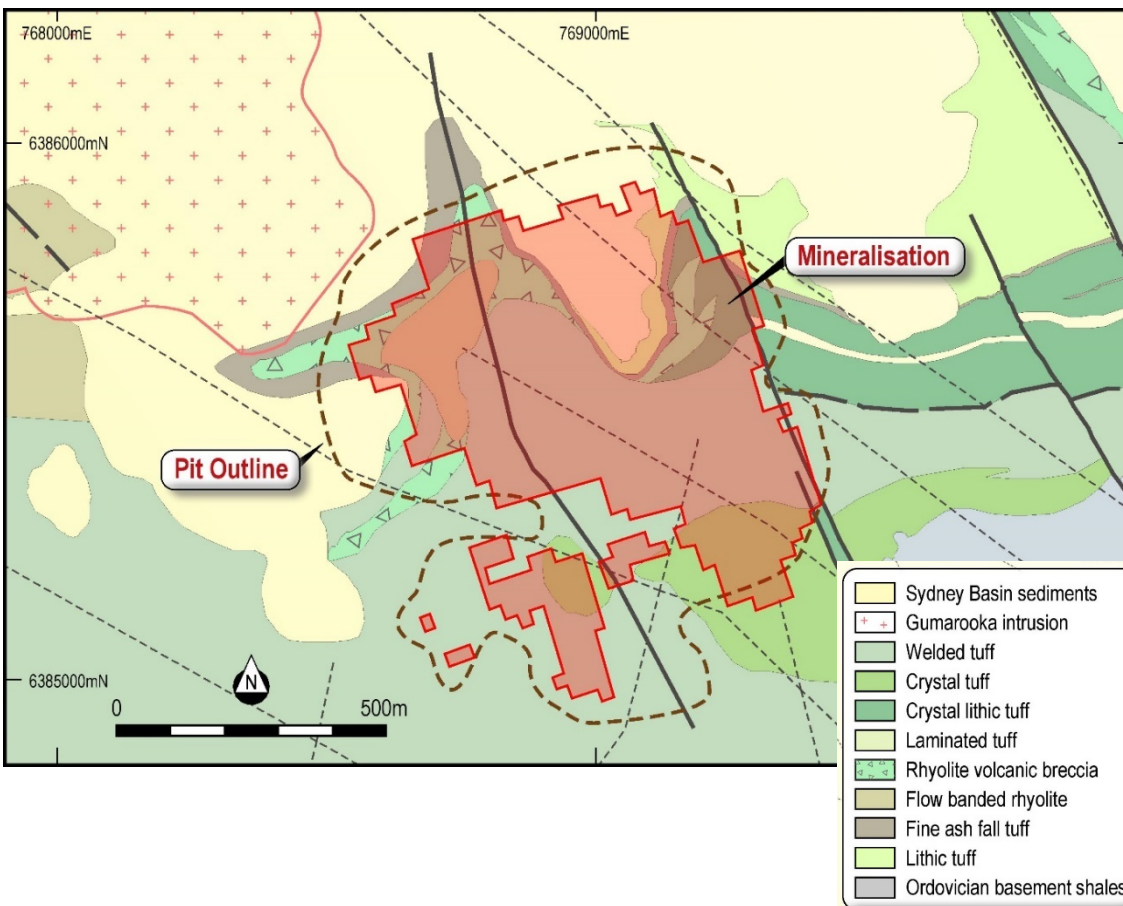
June 2018

Feasibility Study Complete



2019/2020

EIS and Approvals

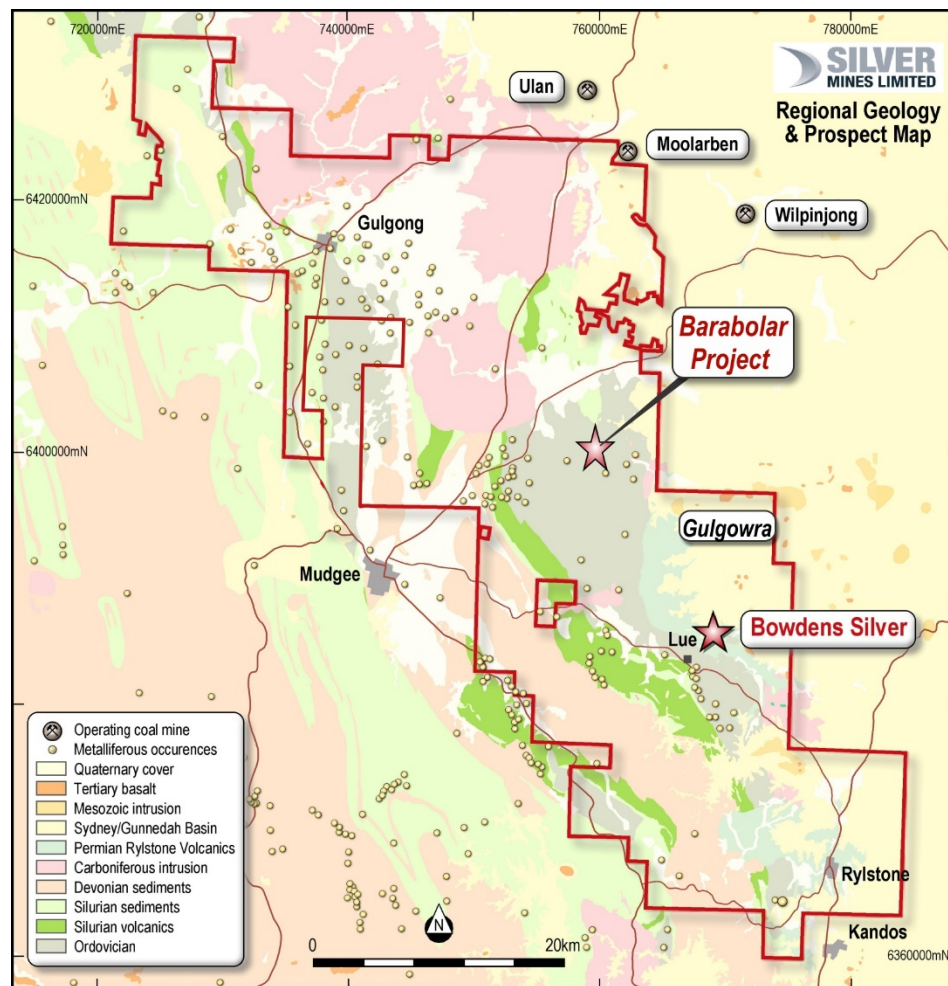


Bowdens Silver Feasibility Study

Physical Metrics	Unit	Value
Production Life	Years	15.5
Ore Mined	Mt	29.9
Waste Mined	Mt	48.2
W:O Strip Ratio	x	1.6
Ag Recovered in Concentrate	Moz	52.91
Zn Recovered in Concentrate	kt	108.0
Pb Recovered in Concentrate	kt	79.3
Financial Metrics	AUD M	USD M
Revenue	1,899.5	1,424.7
Operating Expenses	1,340.8	1,005.6
Operating Margin	558.7	419.0
Capital Costs	AUD M	USD M
Initial	246.0	184.5
LOM Sustaining	53.9	40.4
Unit Costs (Silver Basis)	AUD/ounce	USD/ounce
C1 Costs	15.47	11.60
All in Sustaining Cost (AISC)	17.25	12.94

Regional Geology

- Extensive tenement holding (2007 km² = 496,000 acres) controlled by Silver Mines.
- Northeast corner of Lachlan Fold Belt & Macquarie Arc.
- Wide range of prospective deposit types over different time periods (Ordovician, Siluro-Devonian, Carboniferous and Permian).
- Mineral deposit styles/potential include:
 - Cadia/Ridgeway style Porphyry (Cu-Au-Mo).
 - Epithermal (Au-Ag).
 - McPhillamy's style Shear hosted gold with base-metal association.
 - Woodlawn style Volcanogenic Massive Sulphide (VMS).
 - Bowdens Style epithermal (Ag-Zn-Pb).



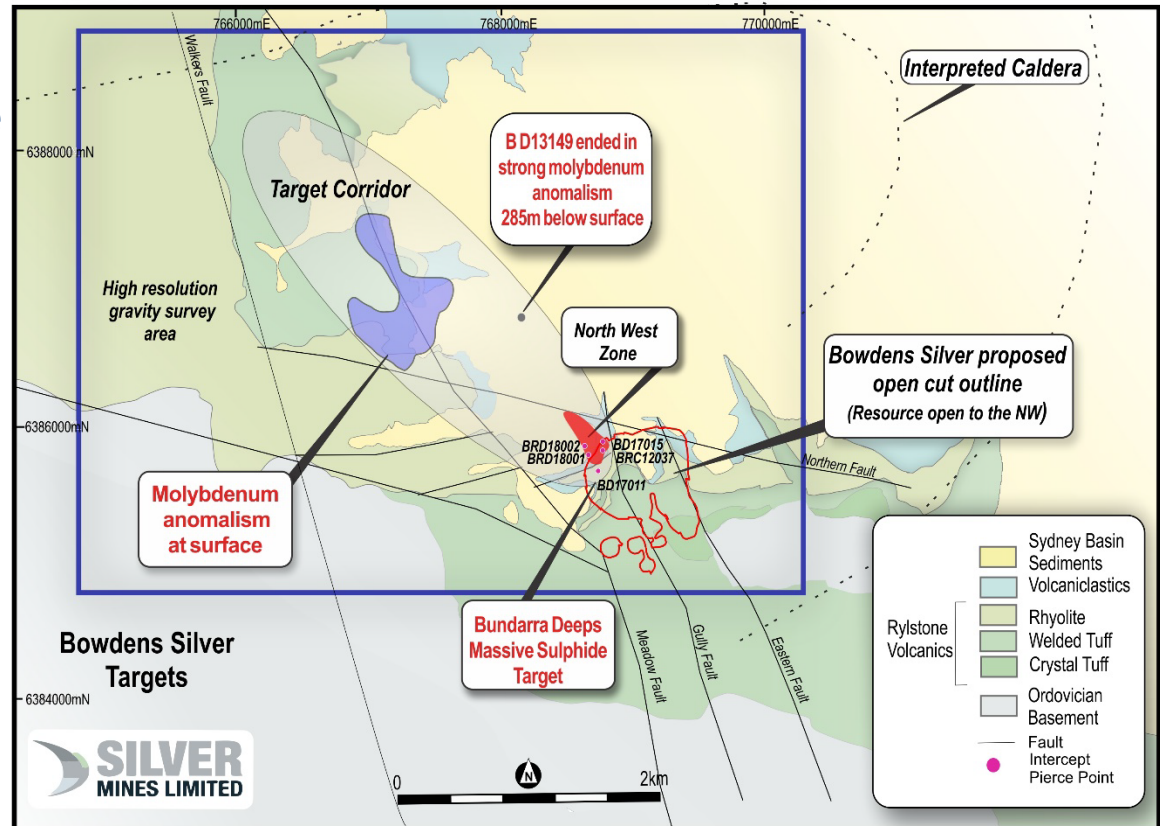
Bowdens Silver Exploration

A Major Silver System



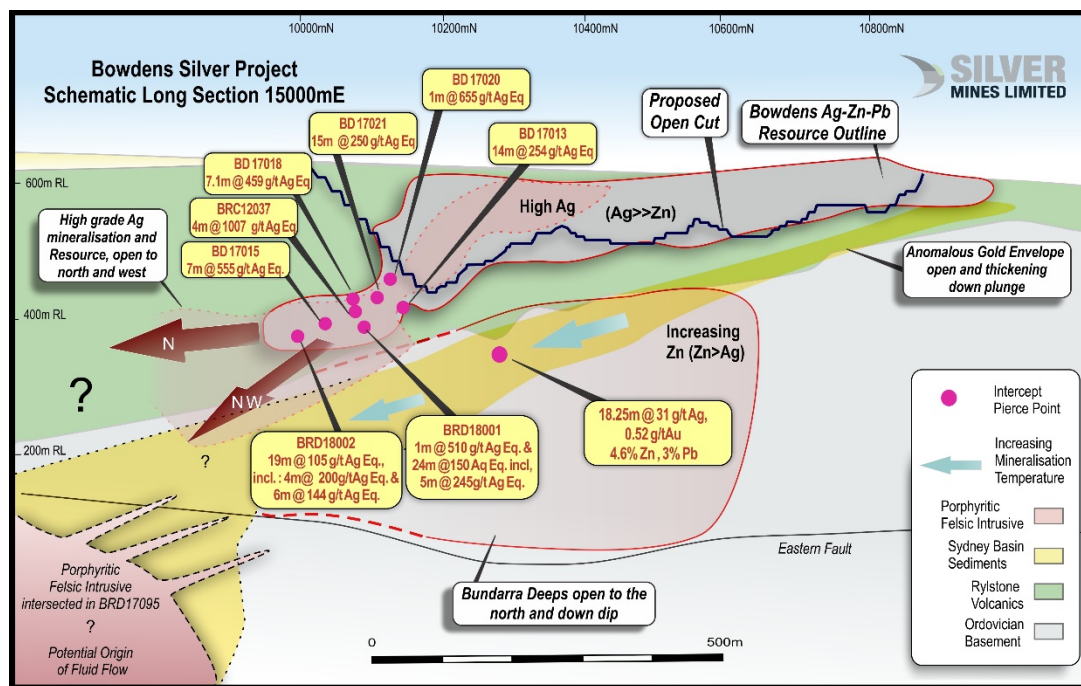
Bowdens Silver Extensions

- Commencement (Sept 2019) of expanded exploration program to assess along strike and depth extensions to the Bowdens Silver Deposit.
- Assess Bundarra Deeps where massive to semi-massive sulphide including gold has been discovered over +30m widths.
- Assess the discovery of porphyritic felsic intrusion associated with strong metal zonation consistent with porphyry associated gold-copper mineralisation.
- Assess the NW target corridor targeted with molybdenum anomaly, multivariate geochemistry, sulphur isotope work and geological modelling that indicates an intrusive source to the northwest of Bowdens.



Bowdens Silver Extensions

- Assess the Northwest Zone that contains high-grade silver and base metal mineralisation between 10 and 30 metres thick currently defined over a strike length of 150 metres and open in several directions.
- Conduct high resolution geophysical gravity program covering 30km² commencing Sept 2019
- To target buried porphyry source and structural control in the NW target corridor.
- Drilling of up to 4000 metres to commence in 4th quarter calendar 2019.



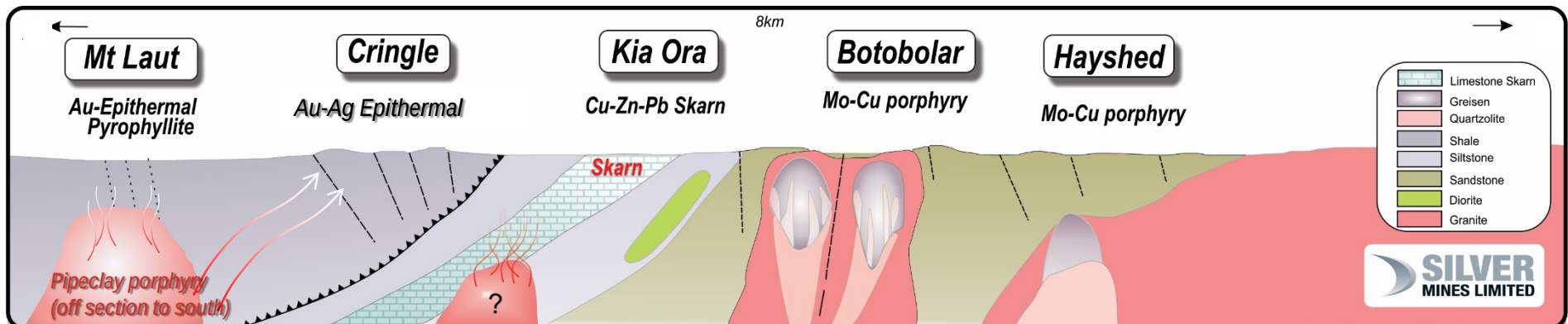
Barabolar Project

Unlocking a Major Mineralised System

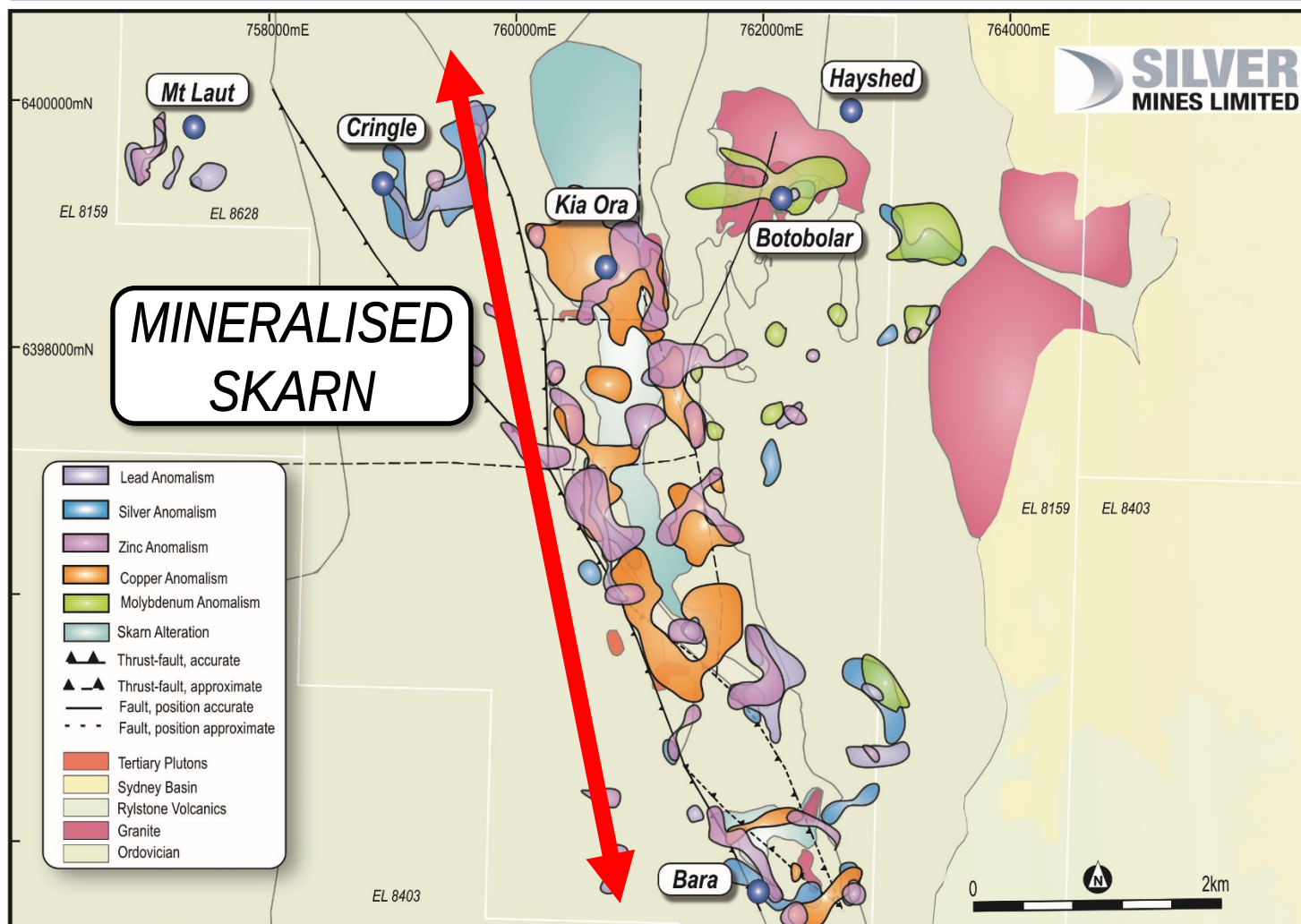


Unlocking a Major Mineralised System

- Barabolar Project area located 10 kilometres northwest of Bowdens.
- 9000 x 2000 metre corridor of base-metal and precious metal soil anomalies.
- Mineralised skarn mapped over 5000 by 800 metres.
- Porphyry system type alteration assemblages.
- Several high order prospects:
 - Cringle Au-Ag epithermal.
 - Kia Ora Skarn (and proximal porphyry): Cu-Ag-Zn-Au.
 - Botobolar / Hayshed: abundant coarse molybdenite in associated felsic porphyry.

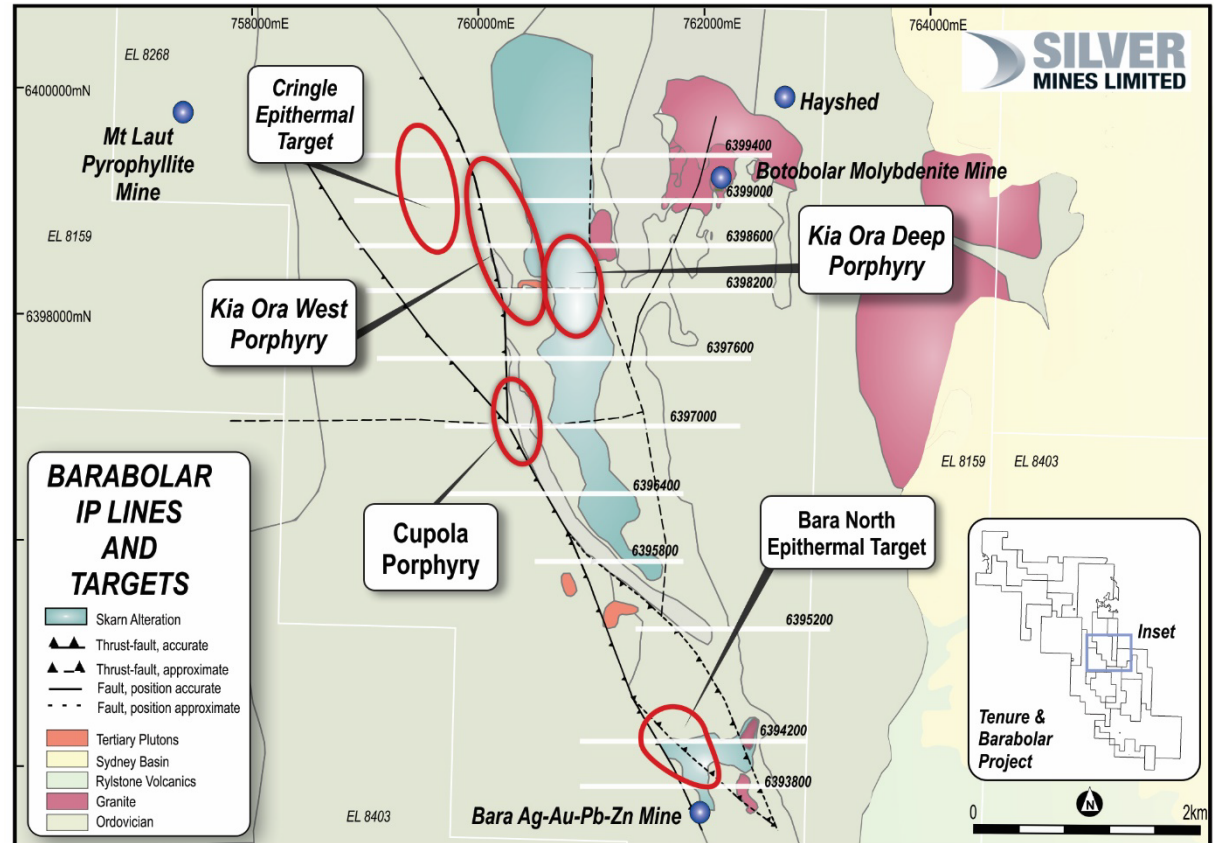


Unlocking a Major Mineralised System



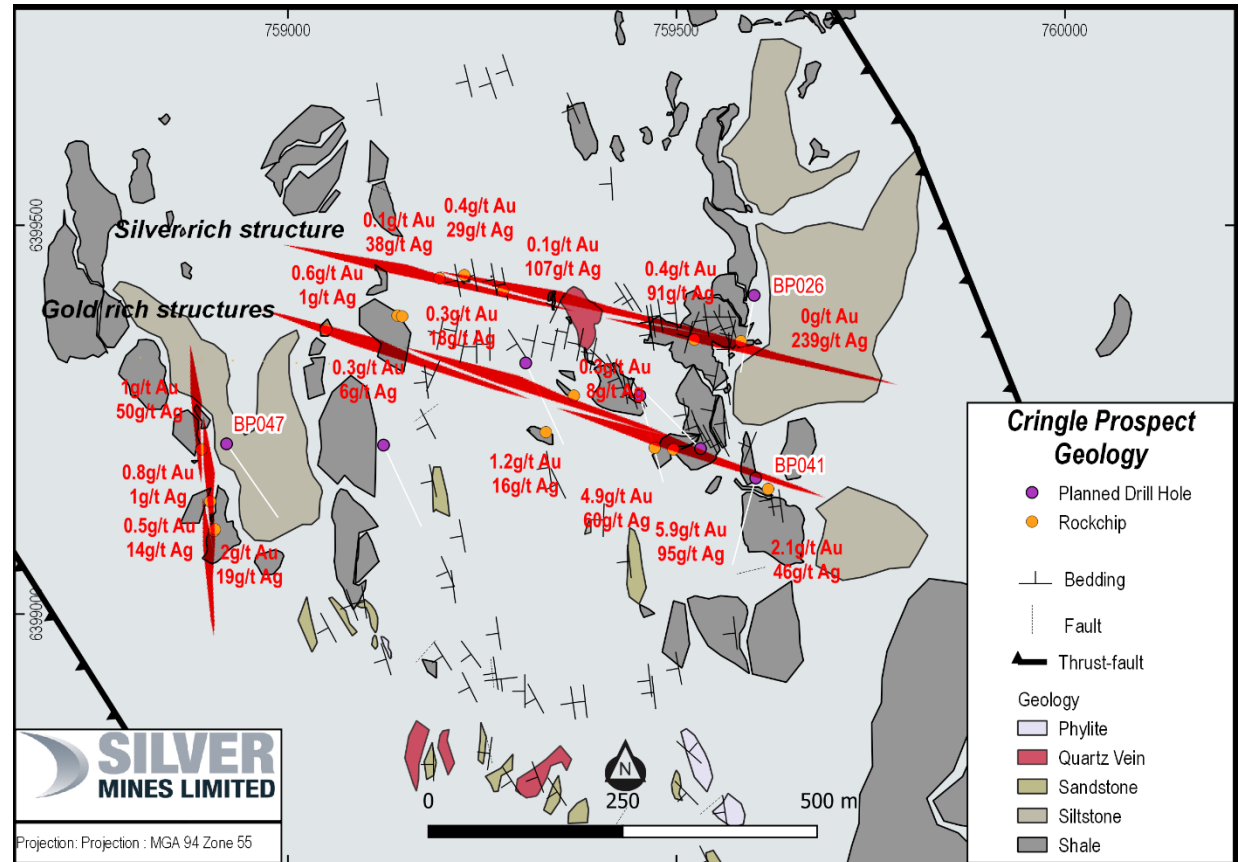
Geophysics and Drilling

- Induced Polarisation (IP) program (~30 line kms) completed.
- Substantial gravity survey commencing in September.
- Deep drilling program (up to 4000 metres) commencing 4th quarter 2019.



Recently Discovered Cringle Prospect

- Recent discovery of high-grade gold bearing structures at the Cringle Prospect within the Barabolar Project area.
- >500 metres of strike length inferred from mapped gossanous outcrop.
- Gold-rich surface rock assays include:
 - 5.9g/t gold and 95.2g/t silver;
 - 4.9g/t gold and 59.9g/t silver;
 - 2.1g/t gold and 45.8g/t silver;
 - 1.2g/t gold and 16.2g/t silver.
- Epithermal gold-silver exploration model.
- 900m x 400m chargeability (IP) anomaly from near surface.
- Initial program indicating the proximal porphyry system.
- Program now to be expanded with gravity survey (September 2019) and deeper drilling (4th quarter 2019).



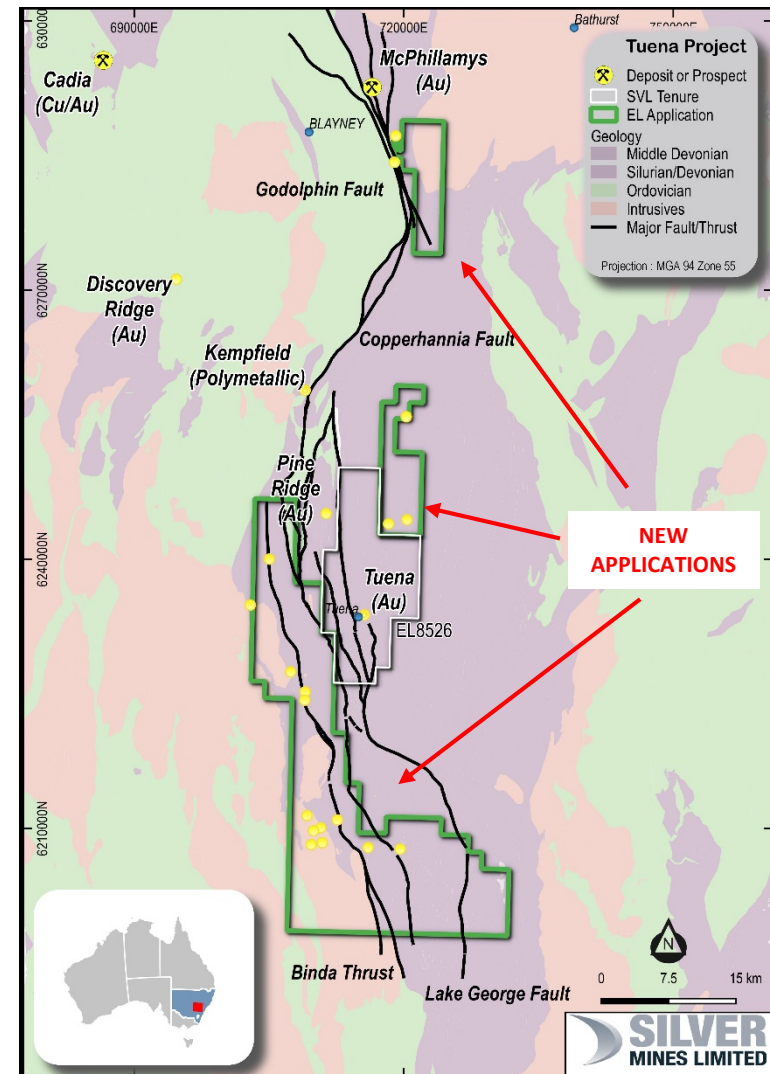
Tuena

Unlocking a New Mineralised System



Tuena

- Located south of Blayney in New South Wales.
- Historic goldfield with minimal exploration work in the modern era.
- Clear geological analogies to the McPhillamys Gold Project (2.0 Moz gold)
- Extensive regional soil sampling program underway.
- Mineral system and old workings extend over at least 6 kilometres of strike.
- Reconnaissance mapping is identifying previously unrecorded historic workings and shear zones with substantial width.
- Airborne magnetics and radiometrics survey planning advanced.
- Tenement position expanded with 634 km² of new exploration license applications.



Looking Forward

- **Completion of Bowdens Silver Environmental Impact Statement 4th quarter 2019.**
- **Submission for Development Consent.**
- **Stronger Market for Precious Metals.**
- **Bowdens Silver new expanded exploration program**
 - 275 Moz silver Eq system open to north and at depth.
 - High grade silver zones and massive sulphide zones exploration program commencing Sept. 2019.
 - Gravity survey commencing, up to 4000m deep drilling program 4th quarter 2019
- **Barabolar is an outstanding exploration play**
 - 9000 X 2000 metres corridor of base metals and precious metals anomalism.
 - Porphyry system with extensive Cu-Mo-Zn-Ag-Au anomalism to be expanded to the west.
 - Program will now be expanded with a gravity survey commencing Sept. 2019.
 - Up to 4000m deeper drilling program commencing 4th quarter 2019.
- **Tuena Gold Project is an exciting new gold exploration play.**



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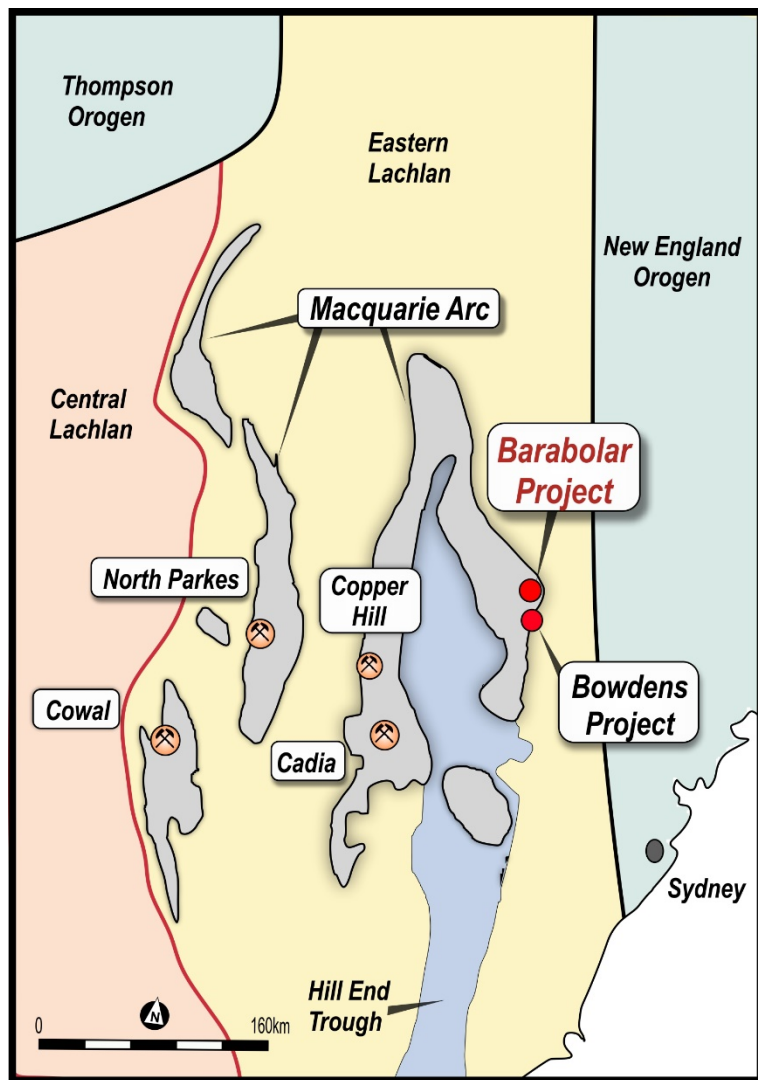




Appendices



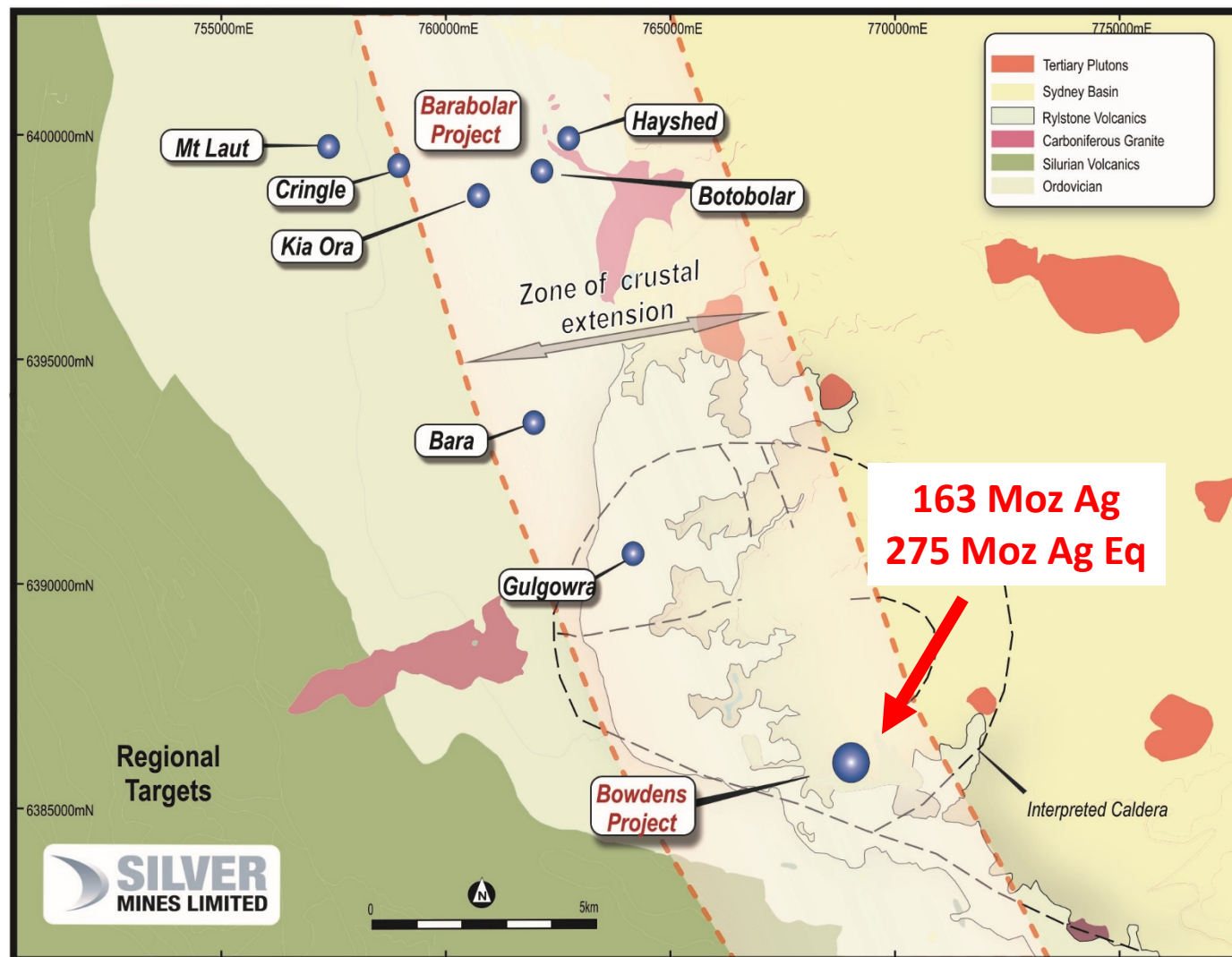
Regional Geology



Basement Paleozoic geology, Central NSW

- The Ordovician Macquarie Arc/Lachlan Fold Belt of Eastern Australia contains preserved porphyry volcanic arc environments.
- Macquarie Arc of NSW contains world-class;
 - Cadia/Ridgeway,
 - Cowal,
 - Northparkes and others.
- The Barabolar discovery demonstrates that the eastern limb of the Macquarie Arc has the potential for significant mineral systems.

Site Geology



Appendix 1 – Bowdens Silver Resource (as at September 2017)

30 g/t Ag Eq Cut	Tonnes (Mt)	Silver Eq. (g/t)	Silver (g/t)	Zinc (%)	Lead (%)	Million Ounces Silver	Million Ounces Silver Eq.
Measured	76	72	45	0.37	0.25	111	175
Indicated	29	59	31	0.38	0.25	29	55
Measured & Indicated	105	68	41	0.37	0.25	140	230
Inferred	23	60	31	0.40	0.28	23	45
Total	128	67	40	0.38	0.26	163	275

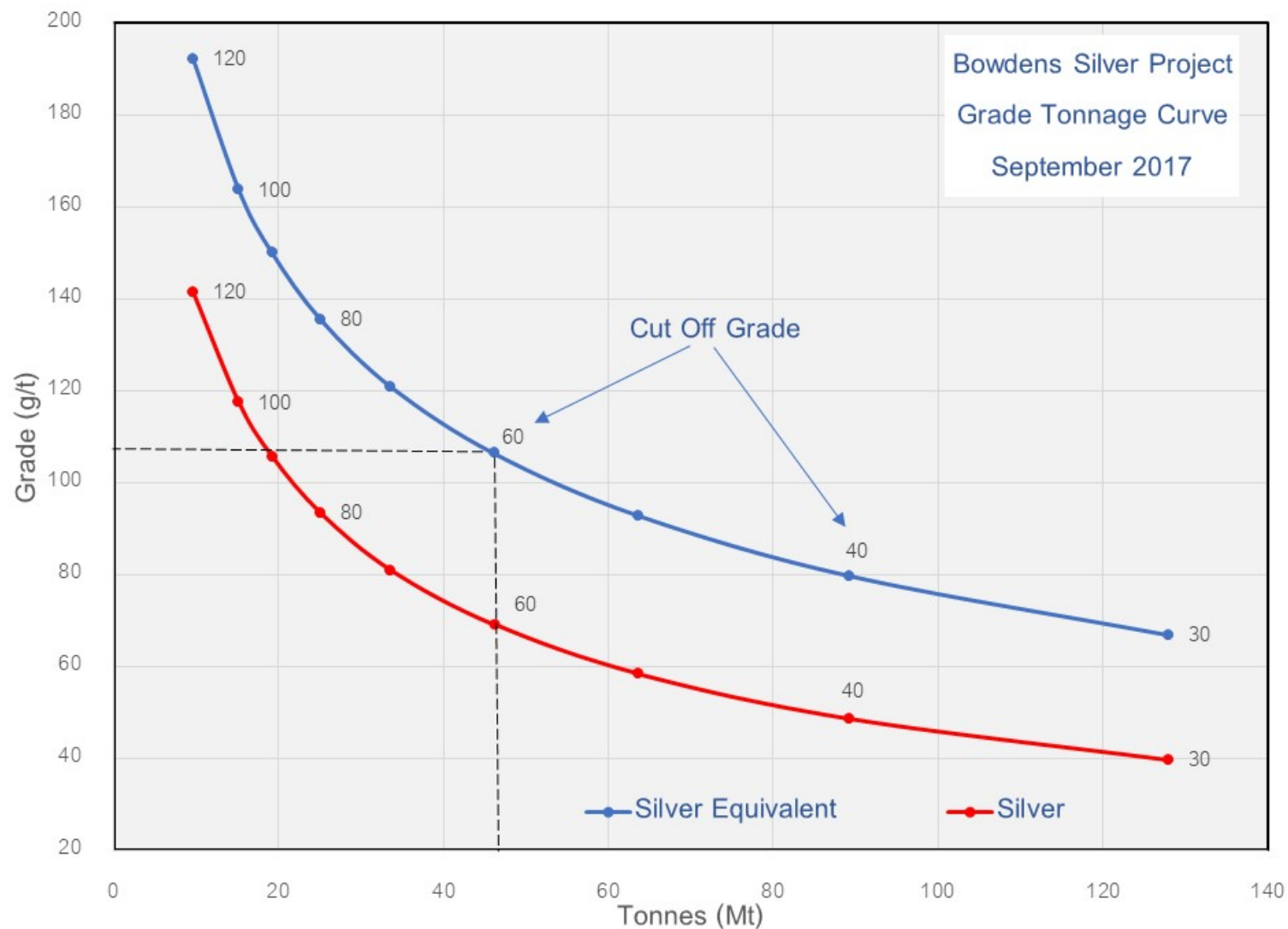
The Bowdens Mineral Resource Estimate has been compiled by H&S Consultants Pty Ltd using Multiple Indicator Kriging and the reporting is compliant with the 2012 JORC Code and Guidelines. For full disclosures refer to the Silver Mines Limited announcement of 19 September 2017.

1. Bowdens' silver equivalent: $\text{Ag Eq (g/t)} = \text{Ag (g/t)} + 33.48 \times \text{Pb (\%)} + 49.61 \times \text{Zn (\%)}$ calculated from prices of US\$20/oz silver, US\$1.50/lb zinc, US\$1.00/lb lead and metallurgical recoveries of 85% silver, 82% zinc and 83% lead estimated from test work commissioned by Silver Mines Limited.
2. Bowdens Silver Mineral Resource Estimate is reported to a 30g/t Ag Eq cut off and extends from surface and is trimmed to 300 metres RL which is approximately 320 metres below surface representing a potential volume for open-pit optimisation models.
3. In the Company's opinion, the silver, zinc and lead included in the metal equivalent calculations have a reasonable potential to be recovered and sold.
4. Variability of summation may occur due to rounding.

Appendix 2 - Bowdens Silver Resource (as at September 2017)

Cut off g/t Ag Eq	Tonnes (Mt)	Silver Eq. (g/t)	Silver (g/t)	Zinc (%)	Lead (%)	Million Ounces Silver	Million Ounces Silver Eq.
0	397.2	30.7	17.6	0.18	0.12	225	392
10	261.7	43.7	25.2	0.26	0.17	212	368
20	185.2	54.6	31.7	0.32	0.21	189	325
30	127.9	66.8	39.6	0.38	0.26	163	275
40	89.2	79.7	48.6	0.43	0.29	139	229
50	63.6	92.8	58.4	0.47	0.33	119	190
60	46.1	106.3	69.1	0.51	0.36	102	158
70	33.7	120.8	80.9	0.54	0.39	87	131
80	25.1	135.5	93.4	0.57	0.42	75	109
90	19.2	149.9	105.6	0.59	0.45	65	93
100	15.1	163.7	117.5	0.62	0.47	57	80
120	9.6	192.3	141.4	0.67	0.53	44	59

Bowdens Silver Resource



Appendix 3 - Silver Mines Resource Inventory

Deposit name	Tonnes (Mt)	Silver Eq. (g/t)	Silver (g/t)	Silver (Moz)	Silver Eq. (Moz)	Status
Bowdens Silver	128	67	40	163	275	100% owned
Webbs ¹	1.5	345	245	11.7	16.5	100% owned
Conrad ¹	2.6	206	105.4	9.0	17.5	100% owned
Total				184	309	

1. For further information on the Webbs and Conrad Projects refer to the Silver Mines Limited website.

Appendix 4 – Bowdens Silver Reserve (as at May 2018)

	Tonnes (Mt)	Silver Eq. (g/t)	Silver (g/t)	Zinc (%)	Lead (%)	Silver Eq. Million Ounces	Silver Million Ounces	Zinc Kilo- tonnes	Lead Kilo- tonnes
Proved	28.6	102.2	69.75	0.44	0.32	93.85	64.05	125.11	91.43
Probable	1.3	84.4	53.15	0.43	0.29	3.60	2.27	5.74	3.91
Total	29.9	101.4	69.01	0.44	0.32	97.45	66.32	130.84	95.33

The Bowdens Reserve has been compiled by AMC Consultants Pty Ltd and is based on the September 2017 Mineral Resource Estimate generated for Silver Mines by H & S Consultants Pty Ltd (see ASX announcement 19 September 2017). For full disclosures refer to the Silver Mines Limited announcement of 30 May 2018.

1. Calculations have been rounded to the nearest 100,000 t, 0.1 g/t silver and 0.01% zinc and lead grades respectively. The Ore Reserve is reported by economic cut-off grade with appropriate consideration of modifying factors including costs, geotechnical considerations, mining and process recoveries and metal pricing.
2. Bowdens' silver equivalent: $\text{Ag Eq (g/t)} = \text{Ag (g/t)} + 33.48 \times \text{Pb (\%)} + 49.61 \times \text{Zn (\%)}$ calculated from prices of US\$20/oz silver, US\$1.50/lb zinc, US\$1.00/lb lead and metallurgical recoveries of 85% silver, 82% zinc and 83% lead estimated from test work commissioned by Silver Mines Limited.

Competent Persons Statements

Ore Reserve

The information in this report that relates to Ore Reserves within the Bowdens Silver Project is based on information compiled or reviewed by Mr Adrian Jones of AMC Consultants Pty Ltd who is a consultant to the Company. Mr Jones is a member of the Member of the Australasian Institute of Mining and Metallurgy and has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration, and to the activity being undertaken, 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' (JORC code). Mr Jones consents to the inclusion in this report of the matters based on the information in the form and context in which it appears.

Mr Jones visited the Bowdens mine site during April 2017 to review the operations, consider the conditions of the site, and assess the data collection methods and techniques used by site personnel.

The Ore Reserve has been prepared by Mr Adrian Jones, AMC Consultants Pty Ltd, after peer review of the mining section of the Feasibility Study. Other experts relied upon include H & S Consultants Pty Ltd, GR Engineering Services Limited, ATC Williams Pty Limited. and Jacobs Australia Pty Limited, for Mineral Resources, Metallurgy & Process Design and Tailing Storage Facility design. Work on environmental, marketing and logistics and the financial modelling were undertaken by other consultants on behalf of the Company and certified by representatives of Silver Mines.

Mineral Resources

The information in this report that relates to Mineral Resources is based on work compiled by Mr Arnold van der Heyden who is a Director of H & S Consultants Pty Ltd. Mr van der Heyden is a Member and Chartered Professional (Geology) of the Australian Institute of Mining and Metallurgy and has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration, and to the activity being undertaken, 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' (JORC code). Mr van der Heyden consents to the inclusion in this report of the matters based on the information in the form and context in which it appears.

Exploration and Drill Results

The information in this report that relates to mineral exploration drill results from Bowdens Silver is based on information compiled or reviewed by Mr Darren Holden who is an advisor to the company. Mr Holden is a member of the Australasian Institute of Mining and Metallurgy and has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration, and to the activity being undertaken, 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' (JORC code). Mr Holden consents to the inclusion in this report of the matters based on the information in the form and context in which it appears.