

Broken Hill Prospecting Ltd (ASX: BPL)

An Australian Exploration company focussed on the discovery & development of strategic technology mineral resources

Commodity Exposure

Heavy Mineral Sands Cobalt Base & Precious Metals

Directors & Management

Creagh O'Connor

Non-Executive Chairman

Geoff Hill

Non-Executive Director

Matt Hill

Non-Executive Director

Denis Geldard

Non-Executive Director

Trangie Johnston

Chief Executive Officer

lan Morgan

Company Secretary

Capital Structure

Ordinary Shares on Issue (30/1/17) **148M** Options: Listed **47M**

Market Cap (undiluted at 5.1cps) \$7.5M

Broken Hill Prospecting Ltd

ARBN 003 453 503

Registered and Head Office Suite 1002 Level 10, 171 Clarence St, Sydney NSW 2000 GPO BOX 1546, Sydney NSW 2001

Tel +61 2 9238 1170 Email info@bhpl.biz Web: www.bhpl.biz

Latest Thackaringa Project Results, Broken Hill

Base & Precious Metals: Exploration Ramps up

- New sampling defines extensive Cu-Pb-Zn-Au-Ag mineralisation, setting targets for ongoing evaluation at Thackaringa
- Newly discovered prospects characterised by outcropping quartz gahnite a key vector for Broken Hill Pb-Zn-Aq style deposits:
 - Zinc up to 2.2% reported in rock chips
- Updated geology model has provided renewed focused on previously explored prospects, with rocks chips defining extensive Cu-Pb-Zn-Au-Ag mineralisation:
 - Pyramid Hill
 - 7.5% Cu, 40g/t Ag, 1g/t Au, 0.1% Ni & 0.2% Pb
 - Old Coolgardie West
 - 5.2% Cu, 140g/t Ag, 0.2g/t Au, 0.2% Ni & 0.1% Pb
 - Himalaya North
 - 2.6% Cu, 5.9% Pb, 62g/t Ag & 0.8% Zn
- Planning underway to conduct detailed ground geophysics (Induced Polarisation) in early 2018 to define drill targets over key prospects
- Latest works based on major recent field mapping campaign and newly acquired geophysics that greatly enhanced targeting, identifying multiple base and precious metal targets

Cobalt: Thackaringa JV Delivering Strong Drilling Results

- The Thackaringa Cobalt Project in JV with Cobalt Blue (ASX: COB) delivers latest drilling results from an extensive 13,000m program designed to upgrade the resource classification expected early 2018
 - 72m at 1,115ppm Co, 10.1% S & 9.8% Fe from 15m (17THR042)
 - -41m at 1,096ppm Co, 10.4% S & 10.0% Fe from 61m (17THR055)
- Cobalt mineralisation outcrops in prominent ridgelines that extend for 4.5km strike with widths ranging from 25 to 100m and open at depth. All deposits are undergoing extensive technical studies to support Pre-feasibility Studies due mid 2018

BPL's CEO Trangie Johnston commented:

"We are focusing much more intensely than ever before on the considerable base and precious metal potential at Thackaringa. Substantial work is planned in the year ahead based on an improved understanding gained by combining new work with earlier results. The Thackaringa Project contains all the key ingredients that are used to target world class deposits such as the 300Mt Broken Hill ore body located 25km to the northeast. We will advance the understanding of the best targets by undertaking further field work before we move drill rigs on site in about six months."



Base & Precious Metals

Recent geological mapping combined with newly acquired high resolution geophysics has greatly enhanced base and precious metal exploration at the Thackaringa Project. BPL retains the rights to all lead, zinc, copper, silver and gold minerals at Thackaringa under the terms of the Thackaringa Joint Venture with Cobalt Blue Holdings.

These targets can be broadly defined by stratigraphic host comprising the Thackaringa and Broken Hill Groups of the Willyama Supergroup (Figure 1).

The Broken Hill Group

The Broken Hill Group, hosts the world class Broken Hill Pb-Zn-Ag orebody comprising 300Mt of ore containing 30Mt Pb, 24Mt Zn, 1B oz Ag and 1M oz Au. This stratigraphic sequence is widely distributed across the Thackaringa Project with two prospects prioritised for further exploration (Figure 2):

Pyramid Hill

Pyramid Hill is hosted within the lower Broken Hill Group and defined by outcropping 'lode rocks' persistent over 500m of strike. Rock chip assays confirm anomalous geochemistry; returning a maximum of 7.5% Cu, 40g/t Ag, 1g/t Au, 0.1% Ni, 0.2% Pb & 0.4% W. Shallow reconnaissance drilling tested some 150m of the mapped extent with intersections including 5m at

0.23% Cu, 1g/t Ag, 0.66g/t Au, 0.04% Zn, 103ppm Co & 569ppm Ni from 64m (11RCPM01).

Himalaya North

Himalaya North is also hosted within the lower Broken Hill Group and is characterised by a stacked sequence of 'lode rocks' mapped over 1,500m strike. Rock chip sampling has confirmed anomalous geochemistry returning a maximum 2.6% Cu, 5.9% Pb, 62g/t Ag & 0.8% Zn coincident with multiple quartz gahnite occurrences. Shallow reconnaissance drilling tested some 200m of the mapped extent with intersections including 2m at 0.17% Cu, 0.17% Zn, 0.04% Pb & 7g/t Aq from 41m (11RCHN3).

The Thackaringa Group

The Thackaringa Group hosts the Thackaringa Cobalt-Pyrite deposits currently under the Thackaringa Joint Venture with Cobalt Blue Holdings (see details below). Additionally, BPL has identified numerous copper rich Broken Hill type targets within the Cues Formation (Figure 2) of the Thackaringa Group including:

Old Coolgardie West

Old Coolgardie West is defined by anomalous rock chip samples occurring over some 800m strike and returning a maximum 5.2% Cu, 140g/t Ag, 0.2g/t Au, 0.2% Ni & 0.1% Pb. The zone is broadly associated with extensive garnet amphibolites and laminated calc-silicates with strong magnetic signature.

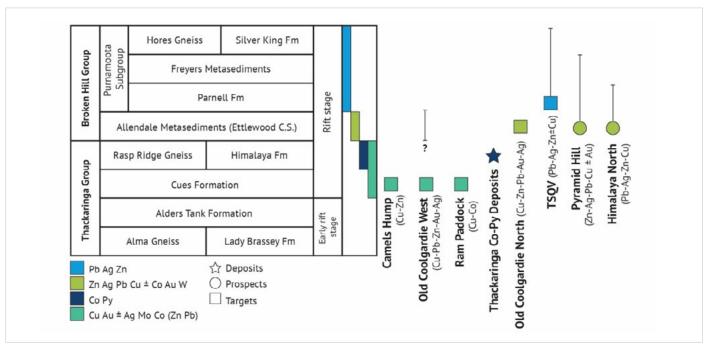


Figure 1. Thackaringa base and precious metal targets classified by stratigraphy, mineralisation style, metal affinity and stage of development.



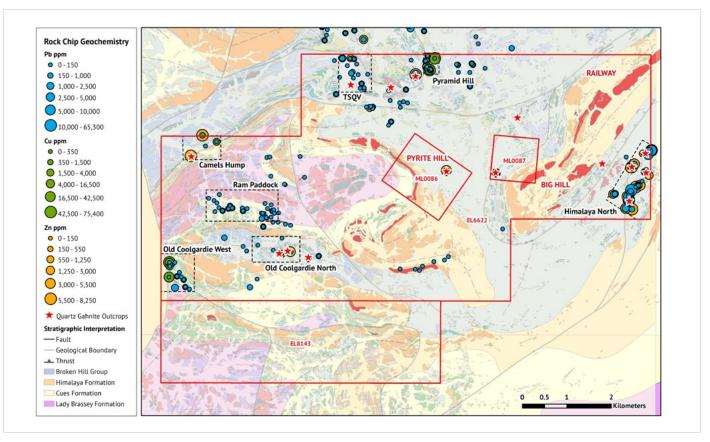


Figure 2 Thackaringa base and precious metal targets defined by regional rock chip geochemistry (Pb, Cu & Zn), and quartz-gahnite outcrops which are a key vector for Broken Hill style ore deposits.

Cobalt: Thackaringa Cobalt Project Delivering Strong Drilling Results (TJV)

The successful spin-off of Cobalt Blue Holdings Limited (ASX: COB) was completed in February 2017, with investors seeking shares exceeding the \$10 million maximum being offered. The deal was an important initiative for BPL to realise significant value from its Thackaringa Cobalt Project.

An important part of the spin-off was that BPL entered a detailed farm-in joint venture agreement with COB to finance and undertake an extensive exploration and development program at Thackaringa (the TJV).

Under the TJV, COB can earn 100% of the project if it completes a 4 stage farm-in by committing \$10.9 million project expenditure by 30 June 2020, and pays BPL \$7.5 million in cash. In addition, BPL will receive a 2% net smelter royalty on all cobalt produced from the Thackaringa tenements for the life of mine.

COB currently has 51% beneficial interest subject to completing Stage 1 milestones with BPL retaining 49% beneficial interest. In order for COB to retain 51% beneficial interest, key deliverables are a 40Mt Indicated Resource sufficient to support a Pre-feasibility

Study to JORC 2012 standard by 1 April 2018 and the Pre-feasibility study by 30 June 2018 (refer below for more details).

Importantly, under the terms of the TJV, BPL retains the rights to lead, zinc, copper, silver and gold minerals on the TJV tenements.

Resource Definition & Geotechnical Drilling

A significant drilling campaign commenced at the Thackaringa project in October 2017 comprising 75 holes for approximately 13,000m. The program is designed to infill and confirm geological continuity to support improved Mineral Resource classification. The revised Mineral Resource estimate will underpin Ore Reserve estimation to be completed during the Pre-feasibility study.

A dedicated geotechnical drilling program has also commenced with results to inform detailed pit optimisation and mine planning.

Initial results from current drilling were released by COB on 4 November 2017 and include:

- 17THR042
 - -72m at 1,115ppm Co, 10.1% S & 9.8% Fe from 15m;
- 17THR045
 - 25m at 1,204ppm Co, 9.5% S & 10.6% Fe from 154m;



■ 17THR047

- 18m at 1,145ppm Co, 7.5% S & 7.5% Fe from 11m;

■ 17THR049

- 67m at 906ppm Co, 9.5% S & 9.1% Fe from 64m;

■ 17THR052

- 20m at 982ppm Co, 12.2% S & 11.4% Fe from 10m; and
- 113m at 830ppm Co, 7.3% S & 7.8% Fe from 104m.

■ 17THR055

- 41m at 1,096ppm Co, 10.4% S & 10.0% Fe from 61m

Pre-feasibility Study

The Thackaringa project Pre-feasibility study is well advanced with the continuation of metallurgical testwork and ongoing geotechnical, hydrological and environmental assessments. Results to date have been positive and the joint venture remains on track to complete Stage two deliverables by 30 June 2018 as announced by COB on 26 October 2017.

| | Previous JV Agreement (31 October 2016) | New JV Agreement (30 June 2017) | Status |
|---------|--|---|-----------|
| Stage 1 | Requires at least \$2.0 million to be spent on an approved, in-ground exploration program to define an Inferred Mineral Resource of 100 Mt and com- | For COB to retain the 51% beneficial interest, then during the period ending no later than 1 April 2018, COB must: | |
| | pletion of a Scoping Study by 30 June 2017 to hold a 51% beneficial interest in the project. | (i) Complete prior to 30 June 2017 a minimum \$2.0 million exploration program to define an Inferred / Indicated Mineral Resource of 54.5 million tonnes | Completed |
| | | (ii) Complete after 30 June 2017 a further \$1.2 million exploration program to achieve an Indicated Resource of 40 million tonnes or such other tonnage as may be agreed unanimously by the JV committee | |
| | | (iii) Spend not less than \$0.2 million and not more than \$0.4 million to undertake an aerial geophysical survey of the JV mining tenements | |
| | | (iv) Expenditure under (ii) and (iii) in aggregate must be not less than \$1.4 million and not greater than \$1.6 million | |
| | | (v) Complete prior to 30 June 2017 a Scoping Study | Completed |
| Stage 2 | Requires COB to fund a minimum \$2.5 million inground exploration program to define an Indicated Mineral Resource and complete a Pre-feasibility | For COB to earn an additional 19% interest, COB must have completed Stage 1 earning obligations during the period commencing on 1 July 2017 and ending no later than 30 June 2018: | |
| | Study of the technical, commercial and economic feasibility of development and mining of cobalt by | (i) A \$2.5 million approved exploration program within the JV area | |
| | 30 June 2018. That work would earn COB an additional 19% interest. | (ii) Complete a Pre-feasibility Study | |
| Stage 3 | Stipulates COB can earn a further 15% interest by 30 June 2019 if it spends a minimum \$5 million on an in-ground exploration program to define a Measured Mineral Resource and Ore Reserve and complete a Bankable Feasibility Study. | No change | |
| Stage 4 | Enables COB to earn the final 15% interest in Thackaringa if it makes a decision to mine; procures necessary project approvals including financing; achieves financial close; and pays BPL \$7.5 million in cash no later than 30 June 2020. | No change | |
| | BPL has also been granted a 2% net smelter royalty on all cobalt produced from the Thackaringa tenements for the life of the mine. | No change | |



Alph

Anthony (Trangie) Johnston Chief Executive Officer

For further information, please contact



Tel: +61 2 9238 1170 Email: info@bhpl.biz

PREVIOUSLY RELEASED INFORMATION

This ASX announcement refers to information extracted from the following report, which is available for viewing on BPL's website http://www.bhpl.biz

- 22 November 2017 Multiple Large Base and Precious Metal Targets Found at Thackaringa Project
- 31 October 2017 Quarterly Activities and Cash Flow Reports September 2017
- 27 September 2017 Geophysical Survey and 3D Modelling Commences at Thackaringa

BPL 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, that all material assumptions and technical parameters underpinning the estimates in the relevant market announcements continue to apply and have not materially changed. BPL confirms that the form and context in which the Competent Person's findings presented have not been materially modified from the original market announcements.

COMPETENT PERSON'S STATEMENT

The information in this report that relates to Mineral Resources and Exploration Targets is based on information compiled by Mr Anthony Johnston, BSc (Hons), who is a Member of the Australian Institute of Mining and Metallurgy and is a full time employee of the Company. Mr Johnston has sufficient experience which is relevant to the style of mineralisation and type of deposits under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2004 & 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves.' Mr Johnston consents to the inclusion in the announcement of the matters based on his information in the form and context that the information appears.

ABOUT BROKEN HILL PROSPECTING LIMITED

Broken Hill Prospecting Limited (BPL) is an Australian exploration company focussed on the discovery and development of strategic mineral resources across two primary projects the Murray Basin Heavy Mineral Sands Project and the Thackaringa Cobalt & Base/Precious Metal Project.

MURRAY BASIN HEAVY MINERAL SANDS PROJECT

BPL has built a substantial portfolio of Heavy Mineral Sands (HMS; titanium & zircon) Projects within the world-class Murray Basin. BPL now holds the largest tenement portfolio in the Murray Basin.

Additional tenement applications and potential project acquisitions under review will continue to position the Company to take advantage of improving market conditions.

BPL is targeting the establishment of a sustainable pipeline of high grade, low tonnage deposits amendable to processing through mobile plant equipment that could be deployed across the broader project area.

THACKARINGA PROJECT

The Thackaringa Cobalt Project is strategically located 25km south-west of Broken Hill, New South Wales, adjacent to the main transcontinental railway line. Mineralised outcrop extends for over 10km, with less than a quarter of this trend having been drill tested. The project is currently undergoing Pre-feasibility Studies.

The Thackaringa Cobalt Project is under a Farm In and Royalty Agreement with Cobalt Blue Holdings Ltd (COB). COB



can earn 100% of the project if it completes a 4 stage farm-in by committing \$10.9 million project expenditure by 30 June 2020, and pays BPL \$7.5 million in cash.

In addition, BPL will receive a 2% net smelter royalty on all cobalt produced from the Thackaringa tenements for the life of mine. BPL retains the base and precious metal exploration rights over the Thackaringa tenements, where it is actively exploring for Broken Hill (Pb-Zn-Ag) style mineralisation.

Cobalt is a necessary metal for the production of the latest generation, high density Lithium-ion batteries. Due to its high run-time properties, the use of cobalt has risen dramatically as portable Li-ion battery usage accelerates and electric vehicles become a reality.

TENEMENT HOLDING

The interests in tenements held by Broken Hill Prospecting Limited (and fully owned subsidiaries) and the related percentage of ownership:

Thackaringa Cobalt Project

| EL 6622 | 100% legal interest Broken Hill Prospecting Ltd |
|---------|---|
| EL 8143 | 100% legal interest Broken Hill Prospecting Ltd |
| ML 86 | 100% legal interest Broken Hill Prospecting Ltd |
| ML 87 | 100% legal interest Broken Hill Prospecting Ltd |

Murray Basin Heavy Mineral Sands (HMS) Project

| EL 8558 | 100% Murray Basin Minerals Pty Ltd |
|----------------|------------------------------------|
| EL 8559 | 100% Murray Basin Minerals Pty Ltd |
| EL 8649 | 100% Murray Basin Minerals Pty Ltd |
| EL 8650 | 100% Murray Basin Minerals Pty Ltd |
| EL006583 | 100% Murray Basin Minerals Pty Ltd |
| EL006584 | 100% Murray Basin Minerals Pty Ltd |
| EL006585 | 100% Murray Basin Minerals Pty Ltd |
| ELA 2017/00201 | 100% Murray Basin Minerals Pty Ltd |



Appendix - JORC Code, 2012 Edition - Table 1

SECTION 1 SAMPLING TECHNIQUES AND DATA

(Criteria in this section apply to all succeeding sections.)

SAMPLING TECHNIQUES

- Nature and quality of sampling (e.g. 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.
- Aspects of the determination of mineralisation that are Material to the Public Report.
- 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.

Thackaringa Diamond Drilling (DDH)

Pre-1990

 Diamond drilling was used to obtain core from which irregular intervals, reflecting visual mineralisation and geological logging were hand-split or sawn. Samples were submitted for analysis using a mixed acid digestion and AAS methodology

Post-1990

Diamond drilling (one drill hole) was used to obtain core from which irregular intervals, reflecting visual mineralisation and geological logging were sawn (quarter core for HQ). Samples were submitted for analysis using a mixed acid digestion and ICP-OES methodology

2016 Metallurgical Drilling

■ Eight (8) HQ diameter diamond drill holes (DDH) were completed at the Thackaringa project in late 2016. They were

used as metallurgical reference holes and were designed to twin some of the previous reverse circulation percussion (RC) holes for QA/QC and assay comparison between DDH and RC. There were two (2) holes drilled at Pyrite Hill, two (2) at Big Hill and four (4) at Railway:

- Diamond drilling was used to obtain core from which regular (one-metre) intervals were sawn with:
 - one half core dispatched for analysis using a mixed acid digestion and ICP-MS methodology
 - the other half was further sawn such that one quarter-core was sent for metallurgical test work and the other quarter-core retained for archival purposes

Thackaringa Historical Reverse Circulation (RC) Drilling

- RC drilling was used to obtain a representative sample by means of riffle splitting with samples submitted for analysis using the above-mentioned methodologies
- Pre-2000 drill samples were assayed for a small and variable suite of elements (sometimes only cobalt). The post-2000 drill samples (5,095 samples) are all assayed by ICP-MS for a suite of 33 elements.

Thackaringa FY2017 Diamond Drilling Program

- Fourteen HQ diameter diamond drill holes (DDH) were completed and assayed. They were used as metallurgical reference holes designed to twin some historical reverse circulation percussion (RC) holes for QA/QC and assay comparison between DDH and RC. There were four (4) holes drilled at Pyrite Hill, two (2) at Big Hill and eight (8) at Railway:
- Diamond drilling (17THD01-03) was used to obtain core from which regular (one-metre) intervals were sawn with:
 - one half core dispatched for analysis using a mixed acid digestion and ICP-MS methodology for a suite of 48 elements
 - the other half was retained for future metallurgical test work and archival purposes
 - Diamond drilling (17THD04-14) was used to obtain core from which regular (one-metre) intervals were sawn with:



- one quarter core dispatched for analysis using a mixed acid digestion and ICP-MS methodology or a suite of 48 elements
- the other three quarters was retained for future metallurgical test work and archival purposes

Thackaringa FY2017 RC Drilling Program

- Thirty-eight (38) RC drill holes were completed and assayed to infill historic holes and allow re-estimation of the existing Mineral Resources. There were twelve (12) holes drilled at Pyrite Hill, three (3) at Big Hill and 23 at Railway:
 - RC drilling was used to obtain a representative sample by means of riffle splitting with samples submitted for analysis by ICP-MS for a suite of 48 elements

Thackaringa FY2018 RC Drilling Program

- Eighteen (18) RC drill holes were completed and assayed to infill historical holes and support re-estimation of the existing Mineral Resources. All completed drill holes were at the Railway deposit:
 - RC drilling was used to obtain a representative sample by means of riffle splitting with samples submitted for analysis by ICP-MS for a suite of 48 elements.
- These drill holes form part of an extensive resource definition drilling program currently being completed at the Thackaringa deposits. Additional results will be released in due course.

Pyramid Hill RC Drilling Program (2011)

- Six (6) RC drill holes were completed and assayed at the Pyramid Hill prospect:
 - RC drilling was used to obtain a representative sample by means of riffle splitting with samples submitted for analysis by ICP-MS for a reported suite of 8 elements

Himalaya North RC Drilling Program (2011)

- Six (6) RC drill holes were completed and assayed at the Himalaya North prospect:
 - RC drilling was used to obtain a representative sample by means of riffle splitting with samples submitted for analysis by ICP-MS for a reported suite of 8 elements

Rock Chip Sampling

- Reconnaissance geochemical sampling was undertaken in parallel with detailed geological mapping to obtain samples of a variable nature (gossan, sub-crop, out-crop) submitted for analysis using mixed acid digestion and ICP-OES methodology. Fire assay techniques were used for gold analysis where results for gold are reported.
- Rock chip samples are selective in nature and therefore not wholly representative of the underlying geology
- These sampling techniques are considered 'industry standard' for the respective periods.

DRILLING TECHNIQUES

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, facesampling bit or other type, whether core is oriented and if so, by what method, etc).

Thackaringa Drilling

- The Thackaringa drilling database comprises a total of sixty-four (64) diamond drill holes and 120 reverse circulation (RC) drill holes. The current resource definition drilling program (FY2018) is ongoing with details provided below incorporating drilling completed up to 28 November 2017. Diamond drilling was predominantly completed with standard diameter, conventional HQ and NQ with historical holes typically utilising RC and percussion pre-collars to an average 25 metres (see Drill hole Information for further details). Early (1960-1970) drill holes utilised HX AX diameters dependent on drilling depth. Reverse circulation drilling utilised standard hole diameters (4.8"-5.5") with a face sampling hammer.
- During 2013, a single diamond drill hole (13BED01) was completed at the Railway deposit using a triple tube system with a HQ3 diameter
- During 2016-2017, diamond drilling was completed using a triple tube system with a HQ3 diameter. Holes were drilled at angles between 40 and 60 degrees from horizontal and the resulting core was oriented as part of the logging process.

Pyramid Hill RC Drilling Program (2011)

Reverse circulation drilling utilised standard hole diameters (4.8"-5.5") with a face sampling hammer.



| Year | Drilling | Metres |
|--------|--|-----------------------------|
| 1967 | 1 diamond drill hole | 304.2 |
| 1970 | 4 diamond drill holes | 496.6 |
| 1980 | 18 diamond and 1 RC drill hole | 1,711.23 |
| 1993 | 2 diamond drill holes | 250 |
| 1998 | 11 RC drill holes | 1,093.25 |
| 2011 | 11 RC drill holes | 1,811 |
| 2012 | 20 RC drill holes | 2,874.25 |
| 2013 | 1 diamond drill hole | 349.2 |
| 2016 | 8 diamond drill holes | 1,484.8 |
| FY2017 | 14 diamond drill holes and 38 RC drill holes | 6,467.5 |
| FY2018 | 16 diamond drill holes and 39 RC drill holes (completed to date) | 9,189.2 (completed to date) |
| Total | 64 diamond and 120 RC drill holes | 26,031.23 |

Himalaya North RC Drilling Program (2011)

Reverse circulation drilling utilised standard hole diameters (4.8"-5.5") with a face sampling hammer.

DRILL SAMPLE RECOVERY

- 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.
- 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.

Diamond Drilling

- Historical core recoveries were accurately quantified through measurement of actual core recovered versus drilled intervals
- Historical diamond drilling employed conventional drilling techniques while diamond drilling completed by Broken Hill Prospecting utilised a triple-tube system to maximise sample recovery
- Core recovery of 99.7% was achieved during completion of drill hole 13BED01

- Core recovery of 98% was achieved during the 2016 diamond drilling program
- Core recovery of 93.3% was achieved during the 2017 (January – June) diamond drilling program
- No relationship between sample recovery and grade has been observed

Reverse Circulation Drilling

- Reverse circulation sample recoveries were visually estimated during drilling programs. Where the estimated sample recovery was below 100% this was recorded in field logs by means of qualitative observation
- Reverse circulation drilling employed adequate air (using a compressor and booster) to maximise sample recovery
- No relationship between sample recovery and grade has been observed

Logging

Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.



- Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.
- The total length and percentage of the relevant intersections logged.
 - A qualified geoscientist has logged all reported drill holes in their entirety. This logging has been completed to a level of detail considered to accurately support Mineral Resource estimation and metallurgical studies. The parameters logged include lithology, alteration, mineralisation and oxidation. These parameters are both qualitative and quantitative in nature.
- Diamond drilling completed in FY2017 by Broken Hill Prospecting/Cobalt Blue Holdings has been subject to geotechnical logging with parameters recorded including rock-quality designation (RQD), fracture frequency and hardness
- During 2013, a considerable amount of historical drilling was re-logged through review of available core stored at Broken Hill as well the re-interpretation of historical reports where core or percussion samples no longer exist. A total of eight (8) diamond drill holes and sixteen (16) diamond drill holes with pre-collars were re-logged as detailed below:

| Hole ID | Deposit | Max Depth | Hole Type | Pre-Collar Depth (m) |
|---------|-------------|-----------|-----------|----------------------|
| 67TH01 | Pyrite Hill | 304.2 | DDH | |
| 70TH02 | Pyrite Hill | 148.6 | DDH | |
| 70TH03 | Pyrite Hill | 141.4 | DDH | |
| 70BH01 | Big Hill | 102.7 | DDH | |
| 70BH02 | Big Hill | 103.9 | DDH | |
| 80PYH13 | Pyrite Hill | 77 | DDH | |
| 80PYH14 | Pyrite Hill | 300.3 | DDH | |
| 80BGH09 | Big Hill | 100.5 | DDH | |
| 80PYH01 | Pyrite Hill | 24.53 | PDDH | 6 |
| 80PYH02 | Pyrite Hill | 51.3 | PDDH | 33.58 |
| 80PYH04 | Pyrite Hill | 55 | PDDH | 38.7 |
| 80PYH05 | Pyrite Hill | 93.6 | PDDH | 18 |
| 80PYH06 | Pyrite Hill | 85.5 | PDDH | 18 |
| 80PYH07 | Pyrite Hill | 94.5 | PDDH | 12 |
| 80PYH08 | Pyrite Hill | 110 | PDDH | 8 |
| 80PYH09 | Pyrite Hill | 100.5 | PDDH | 8 |
| 80PYH10 | Pyrite Hill | 145.3 | PDDH | 25.5 |
| 80PYH11 | Pyrite Hill | 103.1 | PDDH | 18 |
| 80PYH12 | Pyrite Hill | 109.5 | PDDH | 4.2 |
| 80BGH05 | Big Hill | 54.86 | RCDDH | 45.5 |
| 80BGH06 | Big Hill | 68.04 | RCDDH | 58 |
| 80BGH08 | Big Hill | 79.7 | RCDDH | 69.9 |
| 93MGM01 | Pyrite Hill | 70 | RDDH | 24 |
| 93MGM02 | Pyrite Hill | 180 | RDDH | 48 |

DDH - Diamond drill hole

PDDH - Diamond drill hole with percussion pre-collar
RCDDH - Diamond drill hole with reverse circulation pre-collar
RDDH - Diamond drill hole with rotary air blast pre-collar

RC - Reverse Circulation drill hole



- Litho-geochemistry has been used to verify geological logging where available for drilling completed by Broken Hill Prospecting post 2010
- Representative reference trays of chips from reverse circulation drilling completed post 2010 have been retained by Broken Hill Prospecting

Rock Chip Sampling

- A qualified geoscientist has reviewed all reported rock chip samples during collection. Geological observations are general in nature and considered appropriate for the sample type. Typically, geological parameters recorded include lithology, alteration, mineralisation and oxidation
- Rock chip samples are NOT included or considered during Mineral Resource estimation

SUB-SAMPLING TECHNIQUES AND SAMPLE PREPARATION

- If core, whether cut or sawn and whether quarter, half or all core taken.
- If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.
- For all sample types, the nature, quality and appropriateness of the sample preparation technique.
- Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.
- 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.
- Whether sample sizes are appropriate to the grain size of the material being sampled.

Thackaringa Diamond Drilling (DDH)

Pre-1990

- Core samples were hand-split or sawn with re-logging of available historical core (see Logging) indicating a 70:30 (retained:assayed) split was typical. The variation of sample ratios noted are considered consistent with the sub-sampling technique (hand-splitting)
- No second half samples were submitted for analysis
- It is considered water used for core cutting is unprocessed

- and unlikely to have introduced sample contamination
- Procedures relating to the definition of the line of cutting or splitting are not available. It is expected that 'standard industry practice' for the period was applied to maximize sample representivity

Post-1990

- NQ drilling core was sawn with half core submitted for assay
- HQ drilling core was sawn with quarter core submitted for assay
- No second half samples were submitted for analysis
- It is considered water used for core cutting is unprocessed and unlikely to have introduced sample contamination
- Procedures relating to the definition of the line of cutting or splitting are not available. It is expected that 'standard industry practice' for the period was applied to maximise sample representivity

2016 Metallurgical Drilling

- All HQ drill core was sawn into halves, with each half then re-sawn to provide 4 lengths of quarter core for each interval.
- One half core was submitted for assay
- One quarter core was submitted for metallurgical test work
- One quarter core was retained for archive
- It is considered that the water used for core cutting is most unlikely to have introduced sample contamination
- Sample sawing and processing for test work were undertaken according to 'standard industry practice' to maximise sample representivity

2017 Diamond Drilling

- All HQ drill core was sawn into halves, with each half then re-sawn to provide 4 lengths of quarter core for each interval.
- One quarter one half core was submitted for assay
- One quarter three quarter core was retained for archive
- It is considered that the water used for core cutting is most unlikely to have introduced sample contamination
- Sample sawing and processing for test work were undertaken according to 'standard industry practice' to maximise sample representivity



Thackaringa Historical Reverse Circulation Drilling

- Sub-sampling of reverse circulation/percussion chips was achieved using a cyclone with cone or riffle splitter
- During drilling operations, the sample cyclone and splitter were regularly cleaned to prevent down hole sample contamination
- Dry sampling was achieved with the use of adequate air, using a compressor and booster, where groundwater was encountered
- During reverse circulation drilling completed by Broken Hill Prospecting, duplicate samples were collected at the time of drilling. These were obtained by spearing the bulk material held in the PVC sacks using a spear made of 40mm diameter PVC pipe; three samples were speared through the full depth of the bulk material and these were combined to form one sample
- The Thackaringa drilling database includes a total of 139 historical field duplicates collected during reverse circulation drilling. This reflects a ratio of approximately one field duplicate in every 32 samples (3.1%) for drill holes where duplicates were collected (31 drill holes for 4469 metres) and an overall ratio of one field duplicate in every 42 samples (2.4%) for all reverse circulation drill holes (43 drill holes for 5801.5 metres).
- o Statistical analysis of field duplicates collected during drilling completed by Broken Hill Prospecting (119 duplicates representing 86% of all field duplicates) considered 18 elements of which only chromium, lanthanum and titanium show some bias in the duplicate samples. For cobalt, the confidence limits were evenly placed either side of zero and the duplicates are deemed to be representative of the original samples.

FY2017/18 RC Drilling

- Sub-sampling of reverse circulation chips was achieved using a riffle splitter
- During drilling operations, the splitter was regularly cleaned to prevent down hole sample contamination
- Dry sampling was achieved with the use of adequate air, using a compressor and booster, where groundwater was encountered

- During reverse circulation drilling completed by Broken Hill Prospecting/Cobalt Blue Holdings, duplicate samples were collected at the time of drilling. These were obtained by riffle splitting the remnant bulk sample following collection of the primary split
- During the current program (FY2018), field duplicate samples were collected at a rate of 1:25

Historical Pyramid Hill & Himalaya North RC Drilling (2011)

- Sub-sampling of reverse circulation chips was achieved using a riffle splitter
- During drilling operations, the splitter was regularly cleaned to prevent down hole sample contamination
- Dry sampling was achieved with the use of adequate air, using a compressor and booster, where groundwater was encountered
- No field duplicates were collected during the Pyramid Hill and Himalaya North RC drilling

Rock Chip Sampling

- No sub-sampling techniques are implemented during preparation of rock chip samples
- The nature of rock chip sampling does not support field duplicates and no second half samples were submitted for analysis
- Sample sizes for the above-mentioned techniques are considered appropriate for the targeted mineralisation and intended data application

QUALITY OF ASSAY DATA AND LABORATORY TESTS

- The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.
- 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.
- 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.



Thackaringa DDH & RC Drilling Samples

- The nature and quality of all assaying and laboratory procedures employed for samples obtained through drilling (diamond and reverse circulation) are considered 'industry standard' for the respective periods
- The assay techniques employed for drilling (diamond and reverse circulation) include mixed acid digestion with ICP-OES and AAS finishes. These methods are considered appropriate for the targeted mineralisation and regarded as a 'near total' digestion technique with resistive phases not expected to affect cobalt analyses
- All samples have been processed at independent commercial laboratories including AMDEL, Australian Laboratory Services (ALS), Analabs and Genalysis
- Prospecting during 2011-2012 were processed at ALS in Orange, New South Wales. All samples from drilling completed by Broken Hill Prospecting/Cobalt Blue Holdings during 2016-2017 were processed at ALS Adelaide, South Australia. ALS is a NATA Accredited Laboratory and qualifies for JAS/ANZ ISO9001:2008 quality systems. ALS maintains robust internal QAQC procedures (including analysis of standards, repeats and blanks).
- To monitor the accuracy of assay results from the FY2017/18 Thackaringa drilling, CRM standards were included in the assay sample stream at an average rate of 1:25. The CRM samples were purchased from Ore Research & Exploration Pty Ltd and the results are summarised below:

| Standard Count | Cobalt ± 5% ± 10% | | Ire | on | Sulphur | | |
|----------------|--------------------------|--|------------|-----|---------|-------|--|
| | | | ± 5% ± 10% | | ± 5% | ± 10% | |
| 496 | 75% 18% | | 44% | 46% | 57% 27% | | |

Pyramid Hill & Himalaya North RC Drilling Samples (2011)

- The nature and quality of all assaying and laboratory procedures employed for samples obtained through drilling (diamond and reverse circulation) are considered 'industry standard' for the respective periods
- The assay techniques employed for drilling include mixed acid digestion with ICP-OES and AAS finishes. These methods are considered appropriate for the targeted mineralisation and regarded as a 'near total' digestion technique with resistive phases not expected to affect targeted elements
- All samples have been processed at AMDEL; an independent commercial laboratory

Rock Chip Samples

Historical rock chip samples were submitted for analysis using a mixed acid digestion and ICP-OES methodology. Fire assay techniques were used for gold analysis where results for gold are reported. Samples collected in 2007 - 2011 were processed at AMDEL Laboratories in Adelaide, South Australia while samples collected during 2012 were processed at ALS with the laboratory location not recorded.

- Rock chip samples collected in 2017 were submitted for analysis using a mixed acid digestion and ICP-MS methodology. Samples were processed at ALS in Orange, New South Wales.
- The assay methodologies used for the rock chip samples are considered appropriate for the targeted mineralisation and regarded as 'near total' digestion techniques; however, it is noted digestion may not be complete for garnet and gahnite.
- ALS is a NATA Accredited Laboratory and qualifies for JAS/ANZ ISO9001:2008 quality systems. ALS maintains robust internal QAQC procedures (including analysis of standards, repeats and blanks).

VERIFICATION OF SAMPLING AND ASSAYING

- The verification of significant intersections by either independent or alternative company personnel.
- The use of twinned holes.
- Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.
- Discuss any adjustment to assay data.



- Historical drilling intersections and rock chip results were internally verified by personnel employed by previous explorers including CRAE Pty Limited, Central Austin Pty Limited, Hunter Resources and Broken Hill Prospecting. Broken Hill Prospecting has completed a systematic review of the related data.
- The Thackaringa drilling database exists in electronic form as a Microsoft Access database. Information related to individual drill holes and rock chip samples is stored in digital files as extracted from historical reports (typically including location plan, section, logs, photos, surveys, assays and petrology as appropriate to the sample type)
- Historical drilling data available in electronic form has been re-formatted and imported into the drilling database.
- Samples returning assays below detection limits are assigned half detection limit values in the database.
- Historical rock chip data available in electronic form has been re-formatted and compiled by an independent geological consultant
- Quantitative historical drilling and rock chip data, including assays, have been captured electronically during systematic data compilation and validation completed by Broken Hill Prospecting
- All significant intersections/results are verified by the Company's Exploration Manager and an independent geological consultant

LOCATION OF DATA POINTS

- 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.
- *Specification of the grid system used.*
- Quality and adequacy of topographic control.

Thackaringa Drilling

- Historical drill collars have been relocated and surveyed using a differential GPS (DGPS). In the instances where no collar could be located the position has been derived from georeferenced historical plans.
- During systematic data validation completed in 2016, three (3) drill holes at Big Hill were found to be incorrectly located. One collar was located and surveyed by GPS and two were digitised from georeferenced historical plans (reported to the nearest metre) as the collars had been destroyed.

- Down hole surveys using digital cameras were completed on all post 2000 drilling. Down hole surveys for some earlier drilling were estimated from hole trace and section data where raw survey data was not reported
- All FY2017 drill hole collars were located and surveyed with DGPS by an independent surveyor with reported accuracy of ±0.05m in horizontal and vertical measurement
- All FY2018 drill hole collars presented in this release (17THR039-56) have been located by handheld GPS with reported accuracy of ±5m pending final survey at the completion of the program
- Downhole surveys using digital cameras were completed on all FY2017/18 drill-holes.
- All data is recorded in the GDA94 datum; UTM Zone 54 (MGA54).
- 3D validation of drilling data has been completed by independent geological consultants to support detailed geological modelling in Micromine™ software
- The quality of topographic control is deemed adequate in consideration of the results presented in this release

Pyramid Hill & Himalaya North RC Drilling (2011)

- All 2011 Pyramid Hill & Himalaya North drilling is assumed to have been located by handheld GPS deemed standard industry practice for the respective period
- The quality of topographic control is deemed adequate in consideration of the results presented in this release
- No downhole surveys were recorded
- All data is recorded in the GDA94 datum; UTM Zone 54 (MGA54).
- No Mineral Resources have been estimated.

Rock Chip Samples

- All rock chip samples were located by handheld GPS with reported accuracy of ±5m
- All data is recorded in the GDA94 datum; UTM Zone 54 (MGA54).
- The quality of topographic control is deemed adequate in consideration of the results presented in this release
- Rock chip samples are NOT included or considered during Mineral Resource estimation



DATA SPACING AND DISTRIBUTION

- 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.

Thackaringa Drilling

- The data density of existing drill holes at Thackaringa has been materially increased by the FY2018 drilling program
- Detailed geological mapping is supported by drillhole data of sufficient spacing and distribution to establish a 3D geological model.
- No sample compositing has been applied to reported intersections

Pyramid Hill & Himalaya North RC Drilling (2011)

- The data density of drilling at the Pyramid Hill and Himalaya North prospects is insufficient to establish a degree of geological and grade continuity appropriate for the Mineral Resource
- No sample compositing has been applied to reported intersections

Rock Chip Samples

- Rock chip sampling is selective in nature; the distribution of sampling is primarily influenced by the occurrence of outcrop
- No sample compositing has been applied to reported intersections
- Rock chip samples are NOT included or considered during Mineral Resource estimation

ORIENTATION OF DATA IN RELATION TO GEOLOGICAL STRUCTURE

- Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.
- 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.

Thackaringa Drilling

- The FY2018 drill holes at the Thackaringa project were typically angled at -550 or -600 to the horizontal and drilled perpendicular to the mineralised trend.
- Drilling orientations are adjusted along strike to accommodate folded geological sequences.
- Mineralisation at the Big Hill and Railway prospects is steeply dipping and consequently mineralised intersections will be greater than true width. At Pyrite Hill mineralisation is gently dipping and mineralised intersections will be close to true width.
- The drilling orientation is not considered to have introduced a sampling bias on assessment of the current geological interpretation

Pyramid Hill & Himalaya North RC Drilling (2011)

- The drill holes at the Pyramid Hill & Himalaya North prospects were typically angled at -600 or -700 to the horizontal and drilled perpendicular to the mineralised trend.
- Mineralisation at Pyramid Hill is moderately-steeply dipping and consequently drilling intersections are potentially greater than true width
- Mineralisation at Himalaya North is steeply dipping and consequently drilling intersections are potentially greater than true width
- The drilling orientation is not considered to have introduced a sampling bias on assessment of the current geological interpretation

Rock Chip Samples

 Rock chip samples are selective in nature and therefore not wholly representative of the underlying geology

Sample security

- The measures taken to ensure sample security.
- Sample security procedures are considered to be 'industry standard' for the respective periods
- Following recent drilling completed by Broken Hill Prospecting/Cobalt Blue Holdings, samples were trucked by an independent courier directly from Broken Hill to ALS, Adelaide.



■ The Company considers that risks associated with sample security are limited given the nature of the targeted mineralisation

AUDITS OR REVIEWS

- The results of any audits or reviews of sampling techniques and data.
- In late 2016 an independent validation of the Thackaringa drilling database was completed:
 - The data validation process consisted of systematic review of drilling data (collars, assays and surveys) for identification of transcription errors
 - Following review, historical drill hole locations were also validated against georeferenced historical maps to confirm their location
 - Three (3) drill holes at Big Hill were found to be incorrectly located. One collar was located and surveyed by GPS and two were digitised from georeferenced historical plans (reported to the nearest metre) as the collars had been destroyed. These corrections were captured in the Big Hill Mineral Resource estimate
 - Total depths for all holes were checked against original reports
 - Final 3D validation of drilling data has been completed by independent geological consultants to support detailed geological modelling in Micromine™ software
- Audits and reviews of QAQC results and procedures are further described in preceding sections of this table including Quality of assay data and laboratory tests, Sub-sampling techniques and sample preparation and Logging

Section 2 Reporting of Exploration Results

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

MINERAL TENEMENT AND LAND TENURE STATUS

- 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.
- 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.
- The Thackaringa Cobalt project is located approximately 25 kilometres west-southwest of Broken Hill and comprises four tenements with a total area of 63 km2:

| Tenement | Grant Date | Expiry Date |
|----------|------------|-------------|
| EL6622 | 30/08/2006 | 30/08/2020 |
| EL 8143 | 26/07/2013 | 26/07/2020 |
| ML86 | 05/11/1975 | 05/11/2022 |
| ML87 | 05/11/1975 | 05/11/2022 |

- The project tenure is subject to a Farm-In agreement between Cobalt Blue Holdings Limited (COB) and Broken Hill Prospecting Limited (BPL). The nature of this agreement is detailed in the COB Replacement Prospectus (as released 4 January 2017).
- The nearest residence (Thackaringa Station) is located approximately three kilometres west of EL6622.
- EL6622 is transected by the Transcontinental Railway; the Barrier Highway is located the north of the licence boundaries.
- The majority of the project tenure is covered by Western Lands Lease which is considered to extinguish native title interest. However, Native Title Determination NC97/32 (Barkandji Traditional Owners 8) is current over the area and may be relevant to Crown Land parcels (e.g. public roads) within the project area.
- The project tenure is more than 90 kilometres from the nearest National Park and or Wilderness Area (Kinchega National Park) and approximately 20 kilometres south of



the nearest Water Supply Reserve (Umberumberka Reservoir Water Supply Reserve)

 The Company is not aware of any impediments to obtaining a licence to operate in the area

EXPLORATION DONE BY OTHER PARTIES

- Acknowledgment and appraisal of exploration by other parties.
- A detailed and complete record of all exploration activities is appended to the JORC Table 1 which forms part of the Cobalt Blue Prospectus Document, available on the BPL website.

GEOLOGY

Deposit type, geological setting and style of mineralisation.

Regional Geological Setting

- The Thackaringa project is located in a deformed and metamorphosed Proterozoic supracrustal succession named the Willyama Supergroup, which crops out as several inliers in western New South Wales, including the Broken Hill Block (Willis, et al., 1982).
- Exploration by BPL Limited has been focused on the discovery of cobaltiferous pyrite deposits and Broken Hill type basemetal mineralisation both of which are known from historical exploration in the district.
- The project area covers portions of the Broken Hill and Thackaringa group successions which host the majority of mineralisation in the region, including the Broken Hill base-metal deposit. The Sundown Group suite is also present. The extensive sequence of quartz-albite-plagioclase rock that hosts the cobaltiferous pyrite mineralisation is interpreted as belonging to the Himalaya Formation, which is stratigraphically at the top of the Thackaringa Group.

Local Geological Setting

- The oldest rocks in the region belong to the Curnamona Craton which outcrops on the Broken Hill and Euriowie blocks.
- The overlying Proterozoic rocks have been broadly subdivided into three major groupings, of which the oldest groups are the highly deformed metasediments and igneous derived rocks of the Thackaringa and Broken Hill groups. They comprise a major part of the Willyama Supergroup and host the giant Broken Hill massive Pb-Zn-Aq sulphide ore body. EL6622 is

within the Broken Hill block of the Curnamona Craton.

Mineralisation Style

- The Thackaringa Mineral deposits (Pyrite Hill, Big Hill and Railway) are characterised by large tonnage cobaltiferouspyrite mineralisation hosted within siliceous albitic gneisses and schists of the Himalaya Formation
- Cobalt mineralisation exists within stratabound pyritic horizons where cobalt is present within the pyrite lattice.
 Mineralogical studies have indicated the majority of cobalt (~85%) is found in solid solution with primary pyrite (Henley 1998)).
- A strong correlation between pyrite content and cobalt grade is observed
- The regional geological setting indicates additional mineralisation targets such as that intersected at Pyramid Hill and Himalaya North, including:
 - Stratiform Broken Hill Type (BHT) Copper-Lead-Zinc-Silver deposits
 - Copper-rich BHT deposits
 - Stratiform to stratabound Copper-Cobalt-Gold deposits
 - Epigenetic Gold and Base metal deposits

DRILL HOLE INFORMATION

- 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:
 - easting and northing of the drill hole collar
 - elevation or RL (Reduced Level elevation above sea level in metres) of the drill hole collar
 - dip and azimuth of the hole
 - down hole length and interception depth



| Hole ID | Deposit | Max Depth (m) | NAT Grid ID | Easting | Northing | RL | Dip | Azimuth | Hole Type | Pre-Collar Depth |
|---------|-------------|------------------|-------------|---------|----------|-----|-------|---------|-----------|---------------------|
| 67TH01 | Pyrite Hill | 304.2 | MGA94_54 | 518565 | 6449460 | 281 | -55 | 261 | DDH | |
| 70TH02 | Pyrite Hill | 148.6 | MGA94_54 | 518272 | 6449681 | 284 | -61 | 219 | DDH | |
| 70TH03 | Pyrite Hill | 141.4 | MGA94_54 | 518450 | 6449212 | 290 | -62 | 284 | DDH | |
| 70BH01 | Big Hill | 102.7 | MGA94_54 | 520851 | 6449309 | 285 | -47 | 319 | DDH | |
| 70BH02 | Big Hill | 103.9 | MGA94_54 | 520786 | 6449264 | 280 | -50 | 319 | DDH | |
| 80PYH13 | Pyrite Hill | 77 | MGA94_54 | 518358 | 6449038 | 290 | -50 | 281 | DDH | |
| 80PYH14 | Pyrite Hill | 300.3 | MGA94_54 | 518661 | 6449288 | 278 | -60 | 281 | DDH | |
| 80PYH03 | Pyrite Hill | 35 | MGA94_54 | 518252 | 6449570 | 299 | -60 | 221 | PDDH | 22 |
| 80BGH09 | Big Hill | 100.5 | MGA94_54 | 520657 | 6449293 | 273 | -50 | 145 | DDH | |
| 80PYH01 | Pyrite Hill | 24.53 | MGA94_54 | 518246 | 6449566 | 301 | -60 | 203 | PDDH | 6 |
| 80PYH02 | Pyrite Hill | 51.3 | MGA94_54 | 518261 | 6449574 | 298 | -60 | 221 | PDDH | 33.58 |
| 80PYH04 | Pyrite Hill | 55 | MGA94_54 | 518367 | 6449232 | 308 | -60 | 296 | PDDH | 38.7 |
| 80PYH05 | Pyrite Hill | 93.6 | MGA94_54 | 518227 | 6449678 | 285 | -49 | 223 | PDDH | 18 |
| 80PYH06 | Pyrite Hill | 85.5 | MGA94_54 | 518163 | 6449757 | 284 | -54.4 | 223 | PDDH | 18 |
| 80PYH07 | Pyrite Hill | 94.5 | MGA94_54 | 518084 | 6449818 | 285 | -55 | 223 | PDDH | 12 |
| 80PYH08 | Pyrite Hill | 110 | MGA94_54 | 518010 | 6449885 | 286 | -60 | 223 | PDDH | 8 |
| 80PYH09 | Pyrite Hill | 100.5 | MGA94_54 | 517917 | 6449932 | 287 | -48.5 | 223 | PDDH | 8 |
| 80PYH10 | Pyrite Hill | 145.3 | MGA94_54 | 518393 | 6449566 | 286 | -50 | 223 | PDDH | 25.5 |
| 80PYH11 | Pyrite Hill | 103.1 | MGA94_54 | 518441 | 6449330 | 297 | -50 | 281 | PDDH | 18 |
| 80PYH12 | Pyrite Hill | 109.5 | MGA94_54 | 518407 | 6449137 | 293 | -50 | 281 | PDDH | 4.2 |
| 80BGH05 | Big Hill | 54.86 | MGA94_54 | 520955 | 6449534 | 289 | -60 | 164 | RCDDH | 45.5 |
| 98TC01 | Railway | 100 | MGA94_54 | 522750 | 6451340 | 267 | -60 | 159 | RC | |
| 98TC02 | Railway | 100 | MGA94_54 | 522392 | 6451387 | 267 | -60 | 141 | RC | |
| 98TC03 | Big Hill | 84 | MGA94_54 | 520816 | 6449369 | 313 | -60 | 136 | RC | |
| 98TC04 | Big Hill | 138.25 | MGA94_54 | 520860 | 6449451 | 304 | -60 | 141 | RC | |
| 98TC05 | Big Hill | 70 | MGA94_54 | 520728 | 6449328 | 289 | -50 | 123 | RC | |
| 98TC06 | Big Hill | 108 | MGA94_54 | 520715 | 6449343 | 285 | -60 | 126 | RC | |
| 98TC07 | Big Hill | 120 | MGA94_54 | 520786 | 6449388 | 299 | -50 | 134 | RC | |
| 98TC08 | Big Hill | 90 | MGA94_54 | 520802 | 6449478 | 291 | -60 | 151 | RC | |
| 98TC09 | Big Hill | 114 | MGA94_54 | 520822 | 6449461 | 296 | -60 | 134 | RC | |
| 98TC10 | Big Hill | 134 | MGA94_54 | 521018 | 6449576 | 282 | -50 | 173 | RC | |
| 98TC11 | Railway | 35 | MGA94_54 | 522411 | 6451374 | 267 | -60 | 133 | RC | |
| 80BGH06 | Big Hill | 68.04 | MGA94_54 | 520880 | 6449472 | 299 | -60 | 171 | RCDDH | 58 |
| 80BGH08 | Big Hill | 79.7 | MGA94_54 | 520769 | 6449391 | 296 | -60 | 127 | RCDDH | 69.9 |
| 80BGH07 | Big Hill | 23 | MGA94_54 | 521137 | 6449599 | 274 | -60 | 178 | RC | |
| 93MGM01 | Pyrite Hill | 70 | MGA94_54 | 518185 | 6449714 | 286 | -60 | 223 | RDDH | 24 |
| 93MGM02 | Pyrite Hill | 180 | MGA94_54 | 518515 | 6449455 | 285 | -60 | 259 | RDDH | 48 |
| 11PHR01 | Pyrite Hill | 150 | MGA94_54 | 518435 | 6449073 | 285 | -60 | 279 | RC | |



| Hole ID | Deposit | Max Depth (m) | NAT Grid ID | Easting | Northing | RL | Dip | Azimuth | Hole Type | Pre-Collar Depth |
|---------|-------------|------------------|---------------|---------|----------|-----|-----|---------|-----------|---------------------|
| 11PHR02 | Pyrite Hill | 198 | MGA94_54 | 518500 | 6449159 | 284 | -60 | 279 | RC | |
| 11PHR03 | Pyrite Hill | 240 | MGA94_54 | 518560 | 6449190 | 280 | -60 | 279 | RC | |
| 11PHR04 | Pyrite Hill | 186 | MGA94_54 | 518529 | 6449257 | 284 | -60 | 279 | RC | |
| 11PHR05 | Pyrite Hill | 234 | MGA94_54 | 518584 | 6449398 | 280 | -60 | 259 | RC | |
| 11PHR06 | Pyrite Hill | 180 | MGA94_54 | 518491 | 6449523 | 284 | -60 | 234 | RC | |
| 11PHR07 | Pyrite Hill | 174 | MGA94_54 | 518413 | 6449593 | 283 | -60 | 219 | RC | |
| 11PHR08 | Pyrite Hill | 180 | MGA94_54 | 518343 | 6449656 | 283 | -60 | 218 | RC | |
| 11PSR01 | Pyrite Hill | 59 | MGA94_54 | 518743 | 6448864 | 268 | -60 | 258 | RC | |
| 11PSR02 | Pyrite Hill | 132 | MGA94_54 | 518719 | 6448960 | 270 | -60 | 255 | RC | |
| 11PSR03 | Pyrite Hill | 78 | MGA94_54 | 518687 | 6449055 | 273 | -60 | 255 | RC | |
| 12BER01 | Railway | 157 | MGA94_54 | 521667 | 6449893 | 278 | -60 | 141 | RC | |
| 12BER02 | Railway | 132 | MGA94_54 | 521213 | 6449691 | 274 | -60 | 162 | RC | |
| 12BER03 | Railway | 151 | MGA94_54 | 521879 | 6450435 | 289 | -60 | 102 | RC | |
| 12BER04 | Railway | 148 | MGA94_54 | 522354 | 6451268 | 274 | -60 | 131 | RC | |
| 12BER05 | Railway | 145 | MGA94_54 | 522439 | 6451168 | 300 | -60 | 124 | RC | |
| 12BER06 | Railway | 169 | MGA94_54 | 522481 | 6451091 | 296 | -60 | 118 | RC | |
| 12BER07 | Railway | 115 | MGA94_54 | 522324 | 6450749 | 278 | -60 | 144 | RC | |
| 12BER08 | Railway | 193 | MGA94_54 | 522221 | 6450812 | 273 | -60 | 129 | RC | |
| 12BER09 | Railway | 139.75 | MGA94_54 | 522101 | 6450881 | 276 | -60 | 129 | RC | |
| 12BER10 | Railway | 151 | MGA94_54 | 521953 | 6450716 | 284 | -60 | 129 | RC | |
| 12BER11 | Railway | 193 | MGA94_54 | 522737 | 6451377 | 266 | -60 | 153 | RC | |
| 12BER12 | Railway | 111 | MGA94_54 | 522910 | 6451517 | 277 | -60 | 153 | RC | |
| 12BER13 | Railway | 205 | MGA94_54 | 522884 | 6451558 | 271 | -60 | 156 | RC | |
| 12BER14 | Railway | 151 | MGA94_54 | 523125 | 6451637 | 288 | -60 | 152 | RC | |
| 12BER15 | Railway | 109 | MGA94_54 | 523311 | 6451842 | 284 | -60 | 154 | RC | |
| 12BER16 | Railway | 115 | MGA94_54 | 522994 | 6451592 | 276 | -60 | 156 | RC | |
| 12BER17 | Railway | 115.5 | MGA94_54 | 522517 | 6451315 | 269 | -60 | 153 | RC | |
| 12BER18 | Railway | 157 | MGA94_54 | 522333 | 6451281 | 272 | -60 | 129 | RC | |
| 12BER19 | Railway | 97 | MGA94_54 | 522241 | 6451067 | 276 | -60 | 135 | RC | |
| 12BER20 | Railway | 120 | MGA94_54 | 521292 | 6449734 | 277 | -60 | 165 | RC | |
| 13BED01 | Railway | 349.2 | _ MGA94_54 | 522480 | 6451092 | 296 | -60 | 301 | DDH | |
| 16DM01 | Pyrite Hill | 161.6 | MGA94_54 | 518411 | 6449594 | 283 | -60 | 216 | DDH | |
| 16DM02 | Pyrite Hill | 183.4 | MGA94_54 | 518527 | 6449262 | 284 | -60 | 285 | DDH | |
| 16DM03 | Big Hill | 126.5 | MGA94_54 | 521037 | 6449567 | 283 | -60 | 159 | DDH | |
| 16DM04 | Big Hill | 105.4 | MGA94 54 | 520815 | 6449464 | 296 | -55 | 129 | DDH | |
| 16DM05 | Railway | 246.5 | MGA94_54 | 522104 | 6450882 | 277 | -60 | 129 | DDH | |
| 16DM06 | Railway | 160.4 | MGA94_54 | 522912 | 6451519 | 279 | -60 | 153 | DDH | |
| 16DM07 | Railway | 242.5 | MGA94 54 | 522995 | 6451598 | 276 | -60 | 156 | DDH | |



| Hole ID | Deposit | Max Depth (m) | NAT Grid ID | Easting | Northing | RL | Dip | Azimuth | Hole Type | Pre-Collar Depth |
|----------|-------------|------------------|-------------|---------|----------|-----|-----|---------|-----------|---------------------|
| 16DM08 | Railway | 258.5 | MGA94_54 | 522351 | 6451273 | 274 | -60 | 131 | DDH | |
| 17THD01 | Pyrite Hill | 124.2 | MGA94_54 | 518382 | 6449551 | 289 | -40 | 222 | DDH | |
| 17THD02 | Pyrite Hill | 149.7 | MGA94_54 | 518475 | 6449445 | 291 | -40 | 258 | DDH | |
| 17THD03 | Pyrite Hill | 78.5 | MGA94_54 | 518370 | 6449190 | 303 | -40 | 285 | DDH | |
| 17THD04 | Big Hill | 119.8 | MGA94_54 | 521078 | 6449589 | 278 | -45 | 155 | DDH | |
| 17THD05 | Big Hill | 99.5 | MGA94_54 | 521669 | 6449889 | 279 | -40 | 131 | DDH | |
| 17THD06 | Railway | 165.5 | MGA94_54 | 521970 | 6450705 | 287 | -45 | 128 | DDH | |
| 17THD07 | Railway | 274.6 | MGA94_54 | 522569 | 6451282 | 271 | -45 | 157 | DDH | |
| 17THD08 | Railway | 132.5 | MGA94_54 | 522784 | 6451280 | 269 | -45 | 326 | DDH | |
| 17THD09 | Railway | 120.5 | MGA94_54 | 522905 | 6451511 | 278 | -40 | 153 | DDH | |
| 17THD10 | Railway | 84.2 | MGA94_54 | 522992 | 6451569 | 280 | -45 | 130 | DDH | |
| 17THD11 | Railway | 111.5 | MGA94_54 | 523109 | 6451682 | 281 | -40 | 161 | DDH | |
| 17THD12 | Railway | 126.5 | MGA94_54 | 522796 | 6451419 | 273 | -40 | 141 | DDH | |
| 17THD13 | Railway | 105.5 | MGA94_54 | 522836 | 6451456 | 277 | -40 | 139 | DDH | |
| 17THD14 | Pyrite Hill | 99 | MGA94_54 | 518375 | 6449089 | 294 | -60 | 285 | DDH | |
| 17THR001 | Railway | 156 | MGA94_54 | 522615 | 6451277 | 268 | -60 | 120 | RC | |
| 17THR002 | Railway | 160 | MGA94_54 | 522573 | 6451299 | 269 | -60 | 120 | RC | |
| 17THR003 | Railway | 96 | MGA94_54 | 522124 | 6450868 | 277 | -60 | 130 | RC | |
| 17THR004 | Railway | 150 | MGA94_54 | 522387 | 6451319 | 271 | -60 | 120 | RC | |
| 17THR005 | Railway | 72 | MGA94_54 | 522024 | 6450783 | 282 | -60 | 120 | RC | |
| 17THR006 | Railway | 114 | MGA94_54 | 522049 | 6450780 | 284 | -58 | 125 | RC | |
| 17THR007 | Railway | 180 | MGA94_54 | 521965 | 6450699 | 287 | -59 | 125 | RC | |
| 17THR008 | Railway | 132 | MGA94_54 | 521917 | 6450562 | 292 | -56 | 105 | RC | |
| 17THR009 | Railway | 120 | MGA94_54 | 521906 | 6450496 | 293 | -58 | 105 | RC | |
| 17THR010 | Railway | 72 | MGA94_54 | 521959 | 6450398 | 286 | -56 | 285 | RC | |
| 17THR011 | Railway | 126 | MGA94_54 | 522302 | 6451169 | 277 | -56 | 120 | RC | |
| 17THR012 | Railway | 180 | MGA94_54 | 522440 | 6451304 | 275 | -58 | 173 | RC | |
| 17THR013 | Big Hill | 102 | MGA94_54 | 521750 | 6449942 | 285 | -60 | 131 | RC | |
| 17THR014 | Big Hill | 104 | MGA94_54 | 521628 | 6449796 | 278 | -53 | 130 | RC | |
| 17THR015 | Big Hill | 108 | MGA94_54 | 521793 | 6449918 | 285 | -58 | 310 | RC | |
| 17THR016 | Pyrite Hill | 138 | MGA94_54 | 518446 | 6449209 | 290 | -57 | 283 | RC | |
| 17THR017 | Pyrite Hill | 120 | MGA94_54 | 518449 | 6449263 | 293 | -56 | 282 | RC | |
| 17THR018 | Pyrite Hill | 78 | MGA94_54 | 518027 | 6449806 | 290 | -60 | 222 | RC | |
| 17THR019 | Pyrite Hill | 72 | MGA94_54 | 518105 | 6449754 | 288 | -55 | 222 | RC | |
| 17THR020 | Pyrite Hill | 66 | MGA94_54 | 518166 | 6449695 | 289 | -60 | 222 | RC | |
| 17THR021 | Pyrite Hill | 78 | MGA94_54 | 518183 | 6449717 | 286 | -60 | 222 | RC | |
| 17THR022 | Pyrite Hill | 156 | MGA94_54 | 518510 | 6449306 | 287 | -55 | 281 | RC | |
| 17THR023 | Pyrite Hill | 150 | MGA94_54 | 518506 | 6449377 | 289 | -57 | 265 | RC | |



| Hole ID | Deposit | Max Depth (m) | NAT Grid ID | Easting | Northing | RL | Dip | Azimuth | Hole Type | Pre-Collar Depth |
|----------|-------------|------------------|-------------|---------|----------|-----|-------|---------|-----------|---------------------|
| 17THR024 | Pyrite Hill | 150 | MGA94_54 | 518457 | 6449498 | 288 | -59.5 | 229 | RC | |
| 17THR025 | Pyrite Hill | 114 | MGA94_54 | 518311 | 6449609 | 287 | -60 | 222 | RC | |
| 17THR026 | Pyrite Hill | 114 | MGA94_54 | 518268 | 6449681 | 284 | -60 | 222 | RC | |
| 17THR027 | Pyrite Hill | 72 | MGA94_54 | 518243 | 6449646 | 287 | -60 | 222 | RC | |
| 17THR028 | Railway | 150 | MGA94_54 | 522457 | 6451167 | 301 | -60 | 350 | RC | |
| 17THR029 | Railway | 162 | MGA94_54 | 522482 | 6451084 | 296 | -60 | 175 | RC | |
| 17THR030 | Railway | 138 | MGA94_54 | 522783 | 6451423 | 271 | -55 | 140 | RC | |
| 17THR031 | Railway | 120 | MGA94_54 | 522945 | 6451566 | 276 | -55 | 145 | RC | |
| 17THR032 | Railway | 132 | MGA94_54 | 522819 | 6451473 | 274 | -53 | 140 | RC | |
| 17THR033 | Railway | 120 | MGA94_54 | 522501 | 6451315 | 270 | -60 | 175 | RC | |
| 17THR034 | Railway | 132 | MGA94_54 | 522321 | 6451214 | 276 | -55 | 127 | RC | |
| 17THR035 | Railway | 156 | MGA94_54 | 522259 | 6451120 | 276 | -55.2 | 130 | RC | |
| 17THR036 | Railway | 92 | MGA94_54 | 522186 | 6450998 | 275 | -61.2 | 130 | RC | |
| 17THR037 | Railway | 126 | MGA94_54 | 522148 | 6450941 | 274 | -55 | 126 | RC | |
| 17THR038 | Railway | 168 | MGA94_54 | 521927 | 6450619 | 290 | -55 | 108 | RC | |
| 17THR039 | Railway | 210 | MGA94_54 | 522475 | 6451299 | 274 | -55.8 | 162 | RC | |
| 17THR040 | Railway | 276 | MGA94_54 | 522530 | 6451304 | 269 | -55 | 156 | RC | |
| 17THR041 | Railway | 210 | MGA94_54 | 522689 | 6451245 | 265 | -55 | 331 | RC | |
| 17THR042 | Railway | 234 | MGA94_54 | 522586 | 6451163 | 283 | -55 | 336 | RC | |
| 17THR043 | Railway | 200 | MGA94_54 | 522535 | 6451185 | 289 | -55 | 341 | RC | |
| 17THR044 | Railway | 180 | MGA94_54 | 522419 | 6451168 | 297 | -55 | 311 | RC | |
| 17THR045 | Railway | 210 | MGA94_54 | 522529 | 6451172 | 290 | -55 | 311 | RC | |
| 17THR046 | Railway | 216 | MGA94_54 | 522502 | 6451202 | 291 | -56 | 311 | RC | |
| 17THR047 | Railway | 246 | MGA94_54 | 522432 | 6451124 | 296 | -55 | 311 | RC | |
| 17THR048 | Railway | 122 | MGA94_54 | 522482 | 6451125 | 297 | -55 | 310 | RC | |
| 17THR049 | Railway | 138 | MGA94_54 | 522379 | 6451135 | 292 | -55 | 310 | RC | |
| 17THR050 | Railway | 154 | MGA94_54 | 522655 | 6451138 | 274 | -63 | 344 | RC | |
| 17THR051 | Railway | 174 | MGA94_54 | 522367 | 6451073 | 285 | -55 | 308 | RC | |
| 17THR052 | Railway | 246 | MGA94_54 | 522644 | 6451175 | 275 | -55 | 334 | RC | |
| 17THR053 | Railway | 156 | MGA94_54 | 522315 | 6451031 | 278 | -55 | 314 | RC | |
| 17THR054 | Railway | 180 | MGA94_54 | 522671 | 6451232 | 268 | -60 | 333 | RC | |
| 17THR055 | Railway | 114 | MGA94_54 | 522259 | 6450991 | 278 | -55 | 313 | RC | |
| 17THR056 | Railway | 102 | MGA94_54 | 522555 | 6451285 | 272 | -55 | 158 | RC | |

DDH - Diamond drill hole

PDDH - Diamond drill hole with percussion pre-collar
RCDDH - Diamond drill hole with reverse circulation pre-collar
RDDH - Diamond drill hole with rotary air blast pre-collar

RC - Reverse Circulation drill hole



Pyramid Hill & Himalaya North RC Drillholes (2011)

| Hole ID | Deposit | Max Depth (m) | NAT Grid ID | Easting | Northing | RL | Dip | Azimuth | Hole Type | Pre-Collar Depth |
|---------|----------------|------------------|-------------|---------|----------|-----|-----|---------|-----------|---------------------|
| 11RCPM1 | Pyramid Hill | 91 | MGA94_54 | 518724 | 6451806 | 299 | -60 | 225 | RC | |
| 11RCPM2 | Pyramid Hill | 88 | MGA94_54 | 518699 | 6451832 | 299 | -60 | 225 | RC | |
| 11RCPM3 | Pyramid Hill | 91 | MGA94_54 | 518670 | 6451861 | 298 | -60 | 225 | RC | |
| 11RCPM4 | Pyramid Hill | 85 | MGA94_54 | 518653 | 6451903 | 299 | -60 | 225 | RC | |
| 11RCPM5 | Pyramid Hill | 88 | MGA94_54 | 518623 | 6451936 | 300 | -60 | 225 | RC | |
| 11RCPM6 | Pyramid Hill | 46 | MGA94_54 | 518747 | 6452083 | 310 | -70 | 270 | RC | |
| 11RCHN1 | Himalaya North | 94 | MGA94_54 | 523053 | 6448949 | 253 | -60 | 110 | RC | |
| 11RCHN2 | Himalaya North | 97 | MGA94_54 | 523069 | 6448983 | 255 | -60 | 110 | RC | |
| 11RCHN3 | Himalaya North | 96 | MGA94_54 | 523083 | 6449023 | 256 | -60 | 110 | RC | |
| 11RCHN4 | Himalaya North | 97 | MGA94_54 | 523099 | 6449059 | 255 | -60 | 110 | RC | |
| 11RCHN5 | Himalaya North | 94 | MGA94_54 | 523108 | 6449099 | 254 | -60 | 110 | RC | |
| 11RCHN6 | Himalaya North | 97 | MGA94_54 | 523123 | 6449135 | 254 | -60 | 110 | RC | |

RC - Reverse Circulation drill hole

Rock Chip Samples

| Sample ID | Target/Prospect | NAT Grid ID | Easting | Northing |
|-----------|------------------------|-------------|---------|----------|
| R131 | Himalaya North | MGA94_54 | 523155 | 6449103 |
| R134 | Himalaya North | MGA94_54 | 523136 | 6449052 |
| R137 | Himalaya North | MGA94_54 | 523103 | 6448880 |
| R025 | Old Coolgardie West | MGA94_54 | 512768 | 6447481 |
| R196 | Old Coolgardie West | MGA94_54 | 512782 | 6447428 |
| R200 | Old Coolgardie West | MGA94_54 | 512897 | 6446913 |
| R082 | Pyramid Hill | MGA94_54 | 518617 | 6451794 |
| R084 | Pyramid Hill | MGA94_54 | 518558 | 6451880 |
| R085 | Pyramid Hill | MGA94_54 | 518735 | 6452067 |
| R155 | Pyramid Hill | MGA94_54 | 518193 | 6452740 |
| RA14109 | Quartz-Gahnite Outcrop | MGA94_54 | 518945 | 6449597 |

Relevant Significant Intersections

| Hole ID | From (m) | To (m) | Interval (m) | Co (ppm) | S (%) | Fe (%) |
|-----------|----------|--------|--------------|----------|-------|--------|
| 12BER06 | 131 | 169 | 38 | 844 | 8.3 | 12.8 |
| 13BED01 | 266 | 291.5 | 25.5 | 872 | 8.5 | 7.8 |
| 17THR011 | 30 | 83 | 53 | 1116 | 12 | 10.9 |
| including | 31 | 62 | 31 | 1423 | 15.5 | 13.5 |
| 17THR029 | 18 | 90 | 72 | 766 | 7.4 | 9.5 |
| including | 43 | 75 | 32 | 1043 | 9.2 | 12.3 |
| 17THR034 | 38 | 94 | 56 | 1036 | 10.2 | 10.6 |
| including | 38 | 74 | 36 | 1217 | 12.1 | 11.5 |
| 17THR039 | 16 | 62 | 46 | 719 | 6.5 | 6.7 |
| 1/108039 | 157 | 183 | 26 | 693 | 5.3 | 7.9 |



| 17THR040 | 47 | 86 | 39 | 852 | 7.6 | 7.6 |
|----------|-----|-----|-----|------|------|------|
| | 169 | 174 | 5 | 863 | 7.9 | 9.1 |
| 17THR041 | 48 | 54 | 6 | 791 | 9.8 | 14.5 |
| | 164 | 178 | 14 | 710 | 7.8 | 11.9 |
| | 194 | 204 | 10 | 870 | 7.9 | 10.0 |
| 17THR042 | 15 | 87 | 72 | 1115 | 10.1 | 9.8 |
| | 135 | 146 | 11 | 794 | 8.1 | 10.2 |
| 17THR043 | 176 | 188 | 12 | 732 | 6.6 | 6.7 |
| | 116 | 135 | 19 | 663 | 5.7 | 9.6 |
| 17THR044 | 145 | 167 | 22 | 715 | 9.1 | 11.7 |
| 17THR045 | 154 | 179 | 25 | 1204 | 9.5 | 10.6 |
| 47710046 | 100 | 106 | 6 | 981 | 6.7 | 7.3 |
| 17THR046 | 119 | 146 | 27 | 744 | 7.7 | 9.4 |
| 17THR047 | 11 | 29 | 18 | 1145 | 7.5 | 7.5 |
| | 205 | 246 | 41 | 682 | 7.6 | 8.4 |
| 17THR049 | 64 | 131 | 67 | 906 | 9.5 | 9.1 |
| 17THR050 | 25 | 49 | 24 | 851 | 8.5 | 14.1 |
| 17THR051 | 107 | 161 | 54 | 792 | 8.0 | 7.8 |
| 17THR052 | 10 | 30 | 20 | 982 | 12.2 | 11.4 |
| | 104 | 217 | 113 | 830 | 7.3 | 7.8 |
| 17THR053 | 21 | 28 | 7 | 765 | 6.7 | 6.1 |
| | 103 | 143 | 40 | 886 | 9.2 | 9.8 |
| 17THR054 | 84 | 92 | 8 | 838 | 9.2 | 13.6 |
| | 138 | 152 | 14 | 637 | 6.8 | 11.2 |
| | 160 | 166 | 6 | 711 | 7.4 | 9.2 |
| 17THR055 | 61 | 102 | 41 | 1096 | 10.4 | 10.0 |
| 17THR056 | 19 | 34 | 15 | 842 | 6.5 | 7.8 |
| | 75 | 102 | 27 | 787 | 7.8 | 7.6 |
| | | | | | | |

DATA AGGREGATION METHODS

- In reporting Exploration Results, weighting averaging 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.

Drilling

Drill hole intercept grades are typically reported as down-hole length-weighted averages with any non-recovered sample within the reported intervals treated as no grade. The cut-off used for selecting significant intersections is selected to reflect the overall tenor of mineralisation

- No top cuts have been applied when calculating average grades for reported significant intersections
- No metal equivalent values are reported

Rock Chip Sampling

- Where sample results have been reported as 'returning maxima' or 'maximum values', results may be aggregated from multiple samples and reflect the maximum assay for each reported element within the context of the sampling programs (i.e. per individual prospect)
- Example: 'Old Coolgardie West is defined by anomalous rock chip samples occurring over some 800m strike and returning a maximum 5.2% Cu, 140g/t Ag, 0.2g/t Au, 0.2% Ni & 0.1% Pb.'. These 'maxima' results have been aggregated from three individual samples:
 - R025: 5.2% Cu, 0.2g/t Au & 0.2% Ni and
 - R196: 140g/t Ag and
 - R200: 0.1% Pb'



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 drillhole 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').

Thackaringa Drilling

- Drill holes at the Thackaringa project are typically angled at 50° or 60° and drilled perpendicular to the mineralised trend with drilling orientations adjusted along strike to accommodate folded geological sequences
- Mineralisation at the Big Hill and Railway prospects is steeply dipping and consequently mineralised intersections will be greater than true width. At Pyrite Hill mineralisation is gently dipping and mineralised intersections will be close to true width.
- There is insufficient geological knowledge to accurately estimate true widths and as such all drill intersections are reported as down hole lengths

Pyramid Hill & Himalaya North RC Drilling (2011)

- The drill holes at the Pyramid Hill & Himalaya North prospects were typically angled at -60° or -70° to the horizontal and drilled perpendicular to the mineralised trend.
- Mineralisation at Pyramid Hill is moderately-steeply dipping and consequently drilling intersections are potentially greater than true width
- Mineralisation at Himalaya North is steeply dipping and consequently drilling intersections are potentially greater than true width
- There is insufficient geological knowledge to accurately estimate true widths and as such all drill intersections are reported as down hole lengths

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

- Appropriate maps and sections are presented in the accompanying ASX release.
- Rock chip samples in Figure 2 have been filtered to show only the samples collected across the base and metal targets/ prospects. Samples collected from Pyrite Hill, Big Hill and Railway are not shown.

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.
- Only mineralised drill hole intersections regarded as highly anomalous and of economic interest are reported. The proportion of each hole represented by the reported intervals can be ascertained from the sum of the reported intervals divided by the total drill hole depth.
- Only rock chip sample results regarded as anomalous and indicating potential prospectivity are reported whereby these results are NOT considered during Mineral Resource estimation

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; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.
- Shallow reconnaissance drilling material to the Pyramid Hill and Himalaya North prospects is further described in preceding sections of this table

Further work

- The nature and scale of planned further work (e.g. 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.
- The nature and scale of planned further work is outlined in the accompanying ASX release.