### **Aeon Metals Ltd**

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**ASX Code - AQR** 

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Company Announcements Office Australian Securities Exchange Level 4, Exchange Centre 20 Bridge Street Sydney NSW 2000

## Acquisition of Aston Metals (Qld) Ltd

# • \$8m capital raised to fund future drilling

- Aeon Metals is to acquire Aston Metals (Qld) Limited, which includes the large Walford Creek Project (previously Nathan Tinkler's flagship base metals project) and interests in four exploration joint ventures in the Mt Isa area
- Aston Metals has an extensive (3,600km²) tenement package located in the worldclass Mt Isa minerals province in North West Queensland
- Includes the large base metals Resource (previously unannounced) within the Walford Creek Project:
  - 2012 JORC Indicated and Inferred Resource<sup>1</sup> containing:
    - 187kt of copper
    - 402kt of lead
    - 426kt of zinc
    - 31.7m ounces of silver
    - 35kt of cobalt
  - o Resource depth from 20m to approximately 200m.
  - Substantial Resource upside with only 5km of a potential 25km mineralised fault corridor drilled.
- Details of acquisition are:
  - A\$20m non-recourse loan with 12%pa capitalised interest payable after 3 years, secured over Aston Metals
  - o 48.275m AQR shares at 14.5c
  - o Options (unlisted, 3 year) with face value of A\$10m<sup>2</sup>
- Value-accretive acquisition provides Aeon with significant scale and sustained growth potential in complementary Queensland base metals projects
- Aeon has raised A\$8 million capital via an equity placement of 66.7m ordinary shares at A\$0.12 per share
- Proceeds from raising to include:
  - o Walford Creek 12,000m drill program, infrastructure study, metallurgical flowsheet, environmental studies, pre-feasibility status.
  - o 7B and Ben Hur drill programs.

<sup>&</sup>lt;sup>1</sup> See Appendix 1 for Resource details.

<sup>&</sup>lt;sup>2</sup> Exercise Price to be a 20% premium to the daily VWAP of Aeon shares over the 30 trading days immediately preceding the date of issue of the options. Number of Options will be A\$10 million divided by the foregoing exercise price.

Aeon Metals Limited (ASX: AQR, "Aeon") is pleased to announce it has agreed to acquire Aston Metals (Qld) Ltd ("Aston") from Receivers and Managers. Aston, an unlisted public company, holds an extensive (3,600km²) exploration tenement portfolio, linked by significant fault architecture, in the world-class Mt Isa mineral province in North West Queensland. The most advanced project within the Aston portfolio is the Walford Creek Project, which is a large base metals project with a significant JORC Indicated and Inferred Resource of 48Mt at 1.42% Cu Equiv³.

#### **Transaction Overview**

- Through a series of complex arrangements due to the involvement of secured creditors and receivers and managers, Aeon will acquire Aston. Consideration payable by Aeon is:
  - \$20m non-recourse loan with 12% pa capitalised interest payable after 3 years, secured over Aston Metals
  - o 48.275 million AQR shares at \$0.145 per share; and
  - o Options (unlisted, 3 year) with face value of \$10m<sup>2</sup>

#### **Transaction Rationale**

- Value-accretive acquisition that provides Aeon with significant scale and sustained long-term growth potential
- Acquisition includes the 100% owned Walford Creek Project with significant JORC Indicated and Inferred Resources of 48Mt at 1.42% Equiv - Potential for a world scale base metals operation
- Strategic and extensive exploration tenement portfolio in proven, producing base metals province of North West Queensland
- Attractive price and transaction structure plus favourable market timing; leveraged to any base metals upswing
- Continuity of management: Aston's CEO/Exploration Manager to join Aeon; Aeon Managing Director previously familiar with assets
- Complementary asset base adds to growth in Queensland-focused base metals portfolio

Aeon Managing Director Hamish Collins said, "The addition of the Walford Creek Project and the Mt Isa tenement package to our portfolio forms a highly complementary asset base, and will significantly increase our scale and long-term growth potential. This is a major deal for a junior like us and will transform Aeon into a premier base metals focussed company.

"The resources industry is all about market timing and quality of asset base – this transaction has both of these attributes."

#### **\$8 Million Capital Raising**

Aeon has raised, subject to shareholder approval, \$8 million capital via an equity placement to institutional and sophisticated investors of 66.7m ordinary shares at \$0.12 per share.

The placement issue price of \$0.12 per share represents a 20.0% discount to the closing price at 26 March 2014. The placement was oversubscribed as a result of strong investor demand. Palladion Partners have been the Corporate Advisors and Arrangers with Ord Minnett acting as Lead Managers to the placement.

The proceeds from the placement will be used principally to advance the Walford Creek Project with activities to include drilling, infrastructure study, metallurgical flowsheet assessment and environmental studies – as well as for drill programs at Aeon's existing Ben Hur and 7B projects in south east Queensland.

<sup>&</sup>lt;sup>3</sup> See Appendix 1 for Resource details and current metal equivalent calculation.

Importantly, as a result of the placement Aeon will be fully funded for these activities to the end of December 2015, at which point the Company is targeting completion of a pre-feasibility study for the Walford Creek Project.

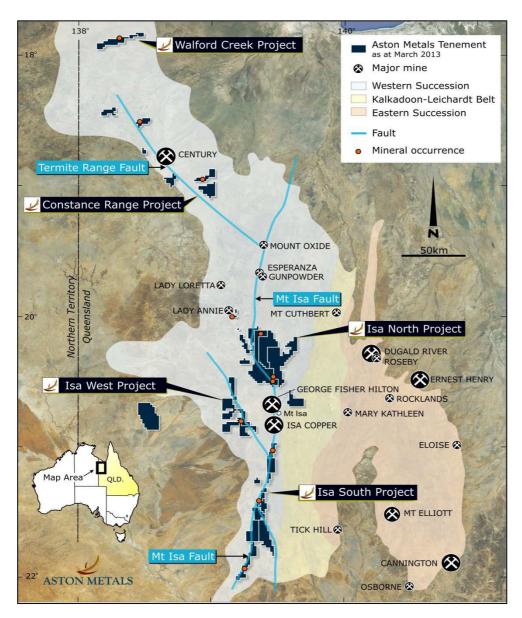
Aeon Managing Director Hamish Collins said, "We are very pleased with the success of the capital raising, which demonstrates strong support for the Aston acquisition and Aeon's strategy for delivering value. We welcome our new shareholders as we enter an exciting phase of fully funded activity at the Walford Creek Project and Aeon's existing Queensland base metals projects through to the end of 2015".

The placement and issue of shares and options to the vendors are subject to shareholder approval which will be sought at an Extraordinary General Meeting on or around 8 May 2014. New shares will be issued shortly thereafter.

A Notice of Meeting will be mailed to shareholders and announced to the ASX shortly.

#### **About Aston**

Aston holds interests in an extensive portfolio of mineral exploration tenements covering approximately 3,600km² in the proven base metals producing province of the Mt Isa Inlier in North West Queensland. The Mt Isa Inlier is one of the most prospective regions in the world for base metal mineralisation. The tenements Aeon is acquiring through Aston include a contiguous land holding (170km) along the Mt Isa fault, north and south of Glencore Xstrata's Isa Mine.



#### Walford Creek Project, North West Queensland

The flagship asset and highest priority tenement holding of the Aston assets being acquired is the 100% owned Walford Creek Project, which is a large base metals project with significant 2012 JORC Indicated and Inferred Resources of 48Mt at 1.42% Cu Equiv.

Since 2010, Walford Creek has been held in private hands, with 14,992 metres of drilling undertaken along a 5km zone. The current JORC Resource has been defined along this 5km strike length of the Fish River Fault Zone, which extends for 25km within the Walford Creek Project tenements. The mineralisation is largely structurally controlled thus there is substantial potential for Resource extensions along the strike-length of the fault.

The Walford Creek Project has a clear pathway to project development with the potential for open pit mine development of world scale. Aeon is planning to drill an additional 12,000 metres with the target to increase the Walford Creek Resource by at least 50% to more than 75Mt and complete a pre-feasibility study (PFS) by December 2015.<sup>4</sup>

#### Combined Aston and Aeon Queensland Assets



<sup>&</sup>lt;sup>4</sup> This target is based on exploration work and results to date at Walford Creek. The potential quantity and grade is conceptual in nature. There has been insufficient exploration to estimate the current reported Indicated and Inferred Resource beyond the current 48 Mt at 1.42%Cu Equiv and it is uncertain if further exploration will result in the estimation of additional Mineral Resources.

For further information, please contact:

#### **Aeon Metals Limited**

Hamish Collins, Managing Director info@aeonmetals.com.au

#### **Corporate Advisor**

Andrew Bald, Palladion Partners +61 409 758 229 bald@palladion.com.au

Yours sincerely,

Hamish Collins

Managing Director

Aeon Metals Limited

#### **Competent Person Statement**

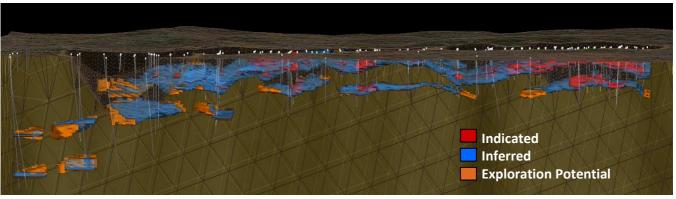
The data in this report that relates to Mineral Resource Estimates for the Walford Creek Deposit is based on information evaluated by Mr Simon Tear who is a Member of The Australasian Institute of Mining and Metallurgy (MAusIMM) and who has sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as Competent Persons as defined in the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (the "JORC Code"). Mr Tear is a Director of H&S Consultants Pty Ltd and he consents to the inclusion in the presentation of the Mineral Resources in the form and context in which they appear.

The information in this report that relates to Exploration Targets and Exploration Results for the Walford Creek Deposit is based on information compiled Mr Dan Johnson who is a Member of the Australian Institute of Geoscientists and who has sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking 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 (the "JORC Code"). Mr Dan Johnson is a full-time employee of Aston Metals Queensland Limited and consents to the inclusion in the presentation of the Exploration Targets and Exploration Results in the form and context in which they appear.

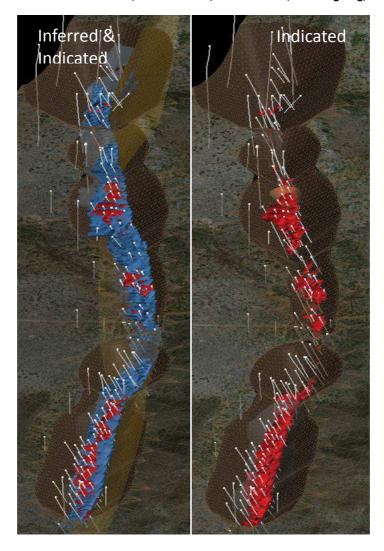
Appendix 1 - Walford Creek 2012 JORC Indicated & Inferred Resource

Mineral	Category	Tonnes (mt)	Cu (%)	Pb (%)	Zn (%)	Ag (gpt)	Co (ppm)
Combined	Indicated	14.7	0.46	0.83	1.04	20.1	920
	Inferred	33.6	0.36	0.83	0.81	20.5	648
	Total	48.3	0.39	0.83	0.88	20.4	731

At 0.5% Cu-Eq cut off based on A\$3.00/lb - Cu, A\$0.75 /lb - Pb, A\$0.75 /lb - Zn, A\$30/oz - Ag. Recovery %: Cu - 95%, Pb/ Zn/ Ag / Co - 75%. The resource estimates are reported at a 0.5% copper equivalent above the -100mRL ie in the top 200m.



Exploration Potential: 20-30mt at 0.3 to 0.5% Cu, 0.8 to 1.3% Pb, 0.8 to 1.4% Zn, 20 to 40g/t Ag, 500 to 1000ppm Co



#### **Contained Metal Equivalents**

It is the Company's opinion that all the elements included in the metal equivalents calculation below have a reasonable potential to be recovered. The following metal prices were used for the calculation of copper equivalent - 4\$3.53/lb - Cu, 4\$1.05/lb - Pb, 4\$1.06/lb - Zn, 4\$23/oz - Ag, 4\$15.7/lb - Co.

Cu Equiv Formula = Copper grade + (Pb grade\*(Pb price/Cu price) + (Zn grade\*(Zn price/Cu price) + Ag grade\*((Ag price/0.0625)/Cu price) + (Co grade\*(Co price/Cu price).

# **JORC Code, 2012 Edition – Table 1 Walford Creek**

### **Section 1 Sampling Techniques and Data**

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

Criteria	JORC Code explanation	Commentary
Sampling techniques	<ul> <li>Nature and quality of sampling (eg cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling.</li> <li>Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.</li> <li>Aspects of the determination of mineralisation that are Material to the Public Report.</li> <li>In cases where 'industry standard' work has been done this would be relatively simple (eg '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 (eg submarine nodules) may warrant disclosure of detailed information.</li> </ul>	<ul> <li>WMC: 1986-1994 completed diamond core and RC drilling on nominal 400 x 40m grid spacing. The holes were generally drilled vertically to appropriately target the stratabound Pb-Zn mineralisation. Sampling procedures were in line with industry standards of the day (as documented in historic reports); all RC drilling was sampled at 1m intervals and drill core was split/sawn into approximately 1m half-core samples. All samples were analysed inhouse by Atomic Absorption Spectrometry.</li> <li>Copper Strike: 2004-2005 RC drilling was completed to infill the existing grid by WMC. RC drilling was used to obtain continuous 1m samples. Dry samples were split at the rig and wet samples speared. Approximately 2kg samples were weighed, dried, crushed and pulverised at a commercial laboratory for analysis by 4 acid digest with an ICP finish.</li> <li>Aston: 2010-2012 infill and extension diamond drilling with some RC precollars; good quality core was obtained from which 1m sawn half-core samples were collected and weighed, dried, crushed and pulverised at a commercial laboratory for analysis by 4 acid digest with an ICP finish. Drill core sample recoveries were recorded in the database.</li> </ul>
Drilling techniques	<ul> <li>Drill type (eg core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (eg core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc).</li> </ul>	<ul> <li>1986 to 1994 WMC: 45 Diamond holes 12,735m &amp; 49 RC holes 3,678m; NQ &amp; minor BQ Diamond drilling and RC, no mention of core orientation in any historic WMC report.</li> <li>2004 to 2005 Copper Strike: 30 Reverse Circulation ("RC") holes 3,162m; RC drilling bit type/size not reported by CSE.</li> <li>2010 to 2012 Aston Metals: 92 Diamond holes 14,929m; HQ Triple Tube Diamond drilling with some RC pre-collars. Core oriented, where possible, by Reflex ACT tool and structural data recorded in</li> </ul>

Criteria	JORC Code explanation	Commentary
		the database.
Drill sample recovery	<ul> <li>Method of recording and assessing core and chip sample recoveries and results assessed.</li> <li>Measures taken to maximise sample recovery and ensure representative nature of the samples.</li> <li>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.</li> </ul>	<ul> <li>WMC: No known written record (however, any core loss intervals were recorded graphically in geological logs).</li> <li>Copper Strike: No written record. Copper strike have noted some areas of poor sample recovery through mineralised zones due to high water pressure, but noted that grades were comparable to WMC diamond drilling and therefore assumed any bias based on drilling technique and / or sample type was low.</li> <li>Aston: HQ Triple Tube drilling to improve recovery. Generally &gt;90%; detailed analysis shows 88% is mean recovery for mineral zones; lower recoveries can be associated with higher mineral grades attributed to hydrothermal brecciation &amp; dissolution in the Dolomite Unit rather than drilling or sampling practice.</li> <li>There was no obvious evidence of bias in the samples.</li> </ul>
Logging	<ul> <li>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.</li> <li>Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.</li> <li>The total length and percentage of the relevant intersections logged.</li> </ul>	<ul> <li>WMC: Detailed hard-copy lithological logging of all holes transcribed by AML into an Access Database with a full set of logging codes acquired from BHP Billiton. Core photographs were taken but could not be recovered from the data archives. A few core photographs were made available to AML as scans.</li> <li>Copper Strike: Digital logging of all holes loaded into AML's Access database with a full set of logging codes acquired from Copper Strike. No chip tray photographs were made available.</li> <li>Aston: Detailed digital geological and geotechnical logging of all holes with a full set of logging codes transcribed into an Access database; full set of core photographs.</li> <li>All logging has been converted to quantitative codes in the Access database.</li> <li>All relevant intersections were logged.</li> </ul>
Sub-sampling techniques and sample preparation	<ul> <li>If core, whether cut or sawn and whether quarter, half or all core taken.</li> <li>If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.</li> <li>For all sample types, the nature, quality and appropriateness of the sample preparation technique.</li> </ul>	<ul> <li>WMC: Split/sawn half core under geological control and no record for RC; 1m RC samples and half core samples of typically 1m, but as small as 0.25m sent for in-house lab assay.</li> <li>Copper Strike: Dry RC samples were riffle split and wet samples speared; 1m samples (of approximately 2kg) sent to commercial laboratory with appropriate sample prep process.</li> </ul>

Criteria	JORC Code explanation	Commentary
	<ul> <li>Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.</li> <li>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.</li> <li>Whether sample sizes are appropriate to the grain size of the material being sampled.</li> </ul>	<ul> <li>Aston: Company procedure for core handling documented in a flow sheet; sawn half core under geological control; 1m samples sent to commercial laboratory with appropriate sample prep. Company procedure for RC sample handling documented in flow-sheet; bulk 1m samples riffle split; sample dried, crushed and pulverised to appropriate levels; use of field duplicates and quarter core checks were completed and indicated comparable results with the original samples.</li> <li>All sampling methods and sample sizes are deemed appropriate.</li> </ul>
Quality of assay data and laboratory tests	<ul> <li>The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.</li> <li>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.</li> <li>Nature of quality control procedures adopted (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established.</li> </ul>	<ul> <li>WMC: In-house analysis by Atomic Absorption Spectrometry (digest recorded as PBKRS) as cited in annual reports of the day by WMC. The relevant QA/QC was not reported and the drill core is no longer available.</li> <li>Copper Strike: Appropriate analytical method using a 4 acid digest with ICP finish with ore grade analysis for Cu, Pb, Zn &amp; Ag. Assaying was carried out by ALS, an accredited laboratory. CSE did not make use of any standards or run duplicate samples for QA/QC. Aston metals drilled 4 HQ Triple Tube diamond core twin holes with comparable results.</li> <li>Aston: Company has the analytical procedure documented as a flow-sheet; Appropriate analytical method using a 4 acid digest with ICP finish. Ore grade analysis for Cu, Pb, Zn &amp; Ag. Assaying was carried out by ALS, an accredited laboratory. Extensive QA/QC programme with standards, blanks, laboratory duplicates &amp; secondary lab checks. Acceptable outcomes.</li> <li>All assay methods were appropriate at the time of undertaking.</li> </ul>
Verification of sampling and assaying	<ul> <li>The verification of significant intersections by either independent or alternative company personnel.</li> <li>The use of twinned holes.</li> <li>Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.</li> <li>Discuss any adjustment to assay data.</li> </ul>	<ul> <li>WMC: Hardcopy sampling and assay data has been compared with recent drilling work by AML. AML considers the data reliability to be reasonable.</li> <li>Copper Strike: AML twinned 4 CSE holes to assess grade repeatability and continuity; results are comparable. All samples were submitted to an accredited laboratory, ALS. 1 hole was removed from the database because the geological logging and assay results appeared significantly at odds with several surrounding holes.</li> </ul>

Criteria	JORC Code explanation	Commentary
		<ul> <li>Aston: Site visit to review core confirms mineral intercepts; Twinned holes (4) to test RC drilling by Copper Strike; results are comparable. AML have core handling procedures as flow-sheets.</li> </ul>
Location of data points	<ul> <li>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.</li> <li>Specification of the grid system used.</li> <li>Quality and adequacy of topographic control.</li> </ul>	<ul> <li>WMC: Survey pickup of collar locations by EDM in 1992 and tied to the datum grid point at drillhole WFDD1. The precision of pickups was ±100mm with respect to the datum on average. Downhole survey method not recorded; database contains azimuth and dip readings every 30-50m.</li> <li>Copper Strike: Drill hole location and orientation data determined by CSE staff. Collars were buried and therefore validation by AML is not possible. Downhole survey method not recorded; database contains azimuth and dip readings based on collar and end of hole measurement.</li> <li>Aston: DGPS on all AML holes in MGA94 Zone 54 grid projection by MH Lodewyk Surveyors, Mount Isa. AML also had WMC drill hole collar locations validated by DGPS with good accuracy. Down hole surveys were taken every 30m by REFLEX EZ-SHOT.</li> <li>A detailed Digital Elevation Model (DEM) was generated by David McInnes, consulting geophysicist, as part of the process of developing the 2010 3D geological model. The DEM was generated using a combination of data from the drillhole collars (DGPS), the WMC Gravity survey (with a 3cm accuracy), with variable data point spacing of 100x100m – 500x500m, and high resolution satellite data with an estimated 80m accuracy.</li> </ul>
Data spacing and distribution	<ul> <li>Data spacing for reporting of Exploration Results.</li> <li>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.</li> <li>Whether sample compositing has been applied.</li> </ul>	<ul> <li>Drillhole section spacing is 50m in the eastern section of the deposit becoming 100m in the west. On section spacing is approximately 40 to 80m. 100m spacing is appropriate for geological continuity, 50m spacing allows for reasonable assessment of grade continuity.</li> <li>No sample compositing.</li> </ul>
Orientation of data in relation to	- i i i	<ul> <li>Drilling generally achieved a high angle of intercept with the stratabound mineralisation.</li> <li>Any mineralisation related directly to structures with the same strike and dip of the Fish River Fault, has been intersected at a moderate angle.</li> </ul>

Criteria	JORC Code explanation	Commentary
geological structure	sampling bias, this should be assessed and reported if material.	<ul> <li>A broad alteration zone (with variable mineralisation) associated with both the stratabound mineral and the mineral proximal to the Fish River Fault has been intersected at reasonable angles.</li> <li>Drilling orientations are appropriate with no bias.</li> </ul>
Sample security	The measures taken to ensure sample security.	<ul> <li>WMC: All assaying in-house. No documentation available on sample security.</li> <li>Copper Strike: All assaying completed by ALS Townsville. No documentation available on sample security.</li> <li>Aston: RC chip samples in calico bags are sealed in polyweave bags. Drillcore is contained in lidded core trays, strapped down and transported by a dedicated truck to Mount Isa. The core is cut and sampled by AML employees in the Mount Isa core yard and sent directly to ALS Mount Isa where assaying is completed. After analysis all samples are returned to AML, stored in a lock up shed and digitally archived. Core is stored in Mount Isa in AML's lock up shed with sections of massive sulphide being kept in secure cool storage. Visual inspection of drillcore showed that assay grades matched mineral distribution.</li> </ul>
Audits or reviews	The results of any audits or reviews of sampling techniques and data.	<ul> <li>WMC: Data transcribed from historic reports and subsequently validated by AML with no material inconsistencies evident.</li> <li>Copper Strike: Supplied digital database checked by AML against hard copy with no material discrepancies found.</li> <li>Aston: All data checked and validated prior to loading into the internal database by AML geologists and external database managers. As part of the process of developing the geological model AML reviewed all of the recent and historic data and consider it suitable for the purposes of resource estimation. A QA/QC audit by ALS found no major discrepancies in the assay data.</li> <li>A substantial QA/QC review has been completed by H&amp;S Consultants as part of the resource estimate.</li> </ul>

## **Section 2 Reporting of Exploration Results**

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

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	<ul> <li>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.</li> <li>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.</li> </ul>	<ul> <li>Walford Creek is located wholly within EPM 14220. The EPM is located 65km west-northwest of Doomadgee township and 340km north-northwest of Mount Isa.</li> <li>Following a transfer of title (dated 12 March 2013) EPM 14220 is held 100% by Aston Metals (Qld) Limited and the previous Joint Venture Agreements no longer apply. The tenement currently consists of 41 sub-blocks. The tenement is a granted Exploration Permit for Minerals and no known impediments exist.</li> <li>As it currently stands, no Native Title claim is in existence over EPM 14220, however AML continue to operate under the premises of the previous agreements negotiated with the Carpentaria Land Council Aboriginal Corporation "CLCAC" representing the Waanyi and Gangalidda-Garawa peoples and signed prior to commencement of exploration.</li> </ul>
Exploration done by other parties	Acknowledgment and appraisal of exploration by other parties.	<ul> <li>Numerous companies have explored within the tenement area, largely concentrating on the discovery of a significant stratabound lead-zinc system.</li> <li>More recently, companies have been focused on targeting copper mineralisation in the hanging wall of the Fish River Fault.</li> <li>All exploration is considered to have been completed to a reasonable standard by experienced companies in a professional manner. Most exploration work has been appropriate but there are minor issues on historic documentation.</li> <li>Previous exploration of the Walford Creek Prospect is summarised below:</li> <li>1984-1996 WMC</li> <li>Re-evaluation of the Walford Creek area resulting in a major exploration program targeting Pb-Zn mineralisation near the Fish River Fault:</li> <li>Systematic grid-based mapping, rock chip and soil sampling.</li> </ul>

Criteria	JORC Code explanation	Commentary
		<ul> <li>Detailed Tempest EM and aeromagnetic survey; gravity survey, 600 line km of SIROTEM.</li> <li>45 diamond and 49 percussion holes totalling approximately 16,500m of drilling on 400 and 800 m spaced drill hole fences.</li> <li>Isolated higher grade Pb-Zn-Cu-Ag intersections but no coherent economic Pb-Zn resource.</li> <li>Brief JV with MIMEX from 1995-1996. MIMEX completed CSAMT, EM and IP over 9 conceptual targets but no drilling.</li> <li>2004-2006 Copper Strike</li> <li>Exploration program targeting copper mineralisation at the Walford Creek Prospect in and along the Fish River Fault:</li> <li>A small RC drilling program was commenced in 2004 but curtailed prematurely due to the 2004-2005 wet season.</li> <li>A significant RC drill program was completed during 2005.</li> <li>30 holes were drilled for a total of 3,162m, of which 60.7m was diamond cored.</li> <li>Estimation of an Inferred Mineral Resource for the Walford Creek Project of 6.5 million tonnes at 0.6% Cu, 1.6% Pb, 2.1% Zn, 25 g/t</li> </ul>
Geology	Deposit type, geological setting and style of mineralisation.	<ul> <li>At the Walford Creek Prospect structurally controlled, vein/breccia hosted or replacement Cu ± Co mineralisation, with minor Pb-Zn-Ag and stratabound, diagenetic Pb-Zn-Ag ± Cu mineralisation, are hosted in dolomitic and argillaceous sediments of the Palaeoproterozoic Fickling Group, forming part of the Lawn Hill Platform stratigraphic sequence, along the east-west to east-northeast trending, steeply south-dipping Fish River Fault.</li> <li>The mineralisation typically occurs as early diagenetic sphalerite-galena-(chalcopyrite) to late epigenetic chalcopyrite-(galena-sphalerite) associated with three stacked massive pyrite lenses and talus, hydrothermal and tectonic breccias in the hanging wall of the Fish River Fault.</li> </ul>

Criteria	JORC Code explanation	Commentary
		<ul> <li>Mineralisation shows affinities to both early sediment-hosted SEDEX-type and late Mississippi Valley-type mineralisation styles.</li> <li>The wide diversity of mineralisation styles reflects multiple events in a long-lived re-activated structural setting that originated as a growth fault.</li> </ul>
Drill hole Information	<ul> <li>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:         <ul> <li>easting and northing of the drill hole collar</li> <li>elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar</li> <li>dip and azimuth of the hole</li> <li>down hole length and interception depth</li> <li>hole length.</li> </ul> </li> <li>If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.</li> </ul>	<ul> <li>Exploration results have not previously been reported in the public domain as the current holding company is privately listed.</li> <li>Information of the drillholes is included in the 2013 Resource Estimate Report.</li> </ul>
Data aggregation methods	<ul> <li>In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (eg cutting of high grades) and cut-off grades are usually Material and should be stated.</li> <li>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.</li> <li>The assumptions used for any reporting of metal equivalent values should be clearly stated.</li> </ul>	Exploration results have not previously been reported in the public domain as the current holding company is privately listed.
Relationship between mineralisatio n widths and intercept	<ul> <li>These relationships are particularly important in the reporting of Exploration Results.</li> <li>If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.</li> <li>If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (eg 'down hole length, true</li> </ul>	<ul> <li>Exploration results have not previously been reported in the public domain as the current holding company is privately listed.</li> <li>Drillhole angle relative to mineralisation has been a compromise to accommodate the flat-lying stratabound massive sulphide bodies with associated replacement breccias and the steeper dipping</li> </ul>

Criteria	JORC Code explanation	Commentary
lengths	width not known').	epigenetic mineralisation proximal to the Fish River Fault. Generally the stratabound intercepts are close to true width whereas the epigenetic mineralisation intercepts are apparent widths.
Diagrams	<ul> <li>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.</li> </ul>	<ul> <li>Appropriate maps showing the nature and extent of the mineralisation are included in the 2013 Resource Estimation report by H&amp;SC</li> </ul>
Balanced reporting	<ul> <li>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.</li> </ul>	<ul> <li>Exploration results have not previously been reported in the public domain as the current holding company is privately listed.</li> </ul>
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.	Exploration results have not been previously reported in the public domain as the current holding company is privately listed.
Further work	<ul> <li>The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling).</li> <li>Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.</li> </ul>	AML's future exploration will focus on upgrading and expanding upon the current Inferred and Indicated Resource Estimates at the Walford Creek Prospect, through further drilling within and immediately outside the resource area.

### **Section 3 Estimation and Reporting of Mineral Resources**

(Criteria listed in section 1, and where relevant in section 2, also apply to this section.)

Criteria	JORC Code explanation	Commentary
Database integrity	<ul> <li>Measures taken to ensure that data has not been corrupted by, for example, transcription or keying errors, between its initial collection and its use for Mineral Resource estimation purposes.</li> <li>Data validation procedures used.</li> </ul>	<ul> <li>All relevant data were entered into an Access database where various validation checks were performed including duplicate entries, sample overlap, unusual assay values and missing data.</li> <li>Data linked to Surpac for wireframing and resource estimation.</li> <li>Visual reviews were conducted to confirm consistency in logging and drillhole trajectories.</li> <li>Assessment of the data confirms that it is suitable for resource estimation.</li> </ul>
Site visits	<ul> <li>Comment on any site visits undertaken by the Competent Person and the outcome of those visits.</li> <li>If no site visits have been undertaken indicate why this is the case.</li> </ul>	<ul> <li>No site visit to the property was completed due to the remoteness of the area and the removal of the camp facilities post-drilling. However H&amp;SC is familiar with the general area of NW Queensland.</li> <li>Satellite imagery of the project area was reviewed in 3D.</li> <li>H&amp;SC visited AML's core handling facility in Mt Isa and reviewed 5 diamond drillholes from the AML 2011 drilling.</li> </ul>
Geological interpretation	<ul> <li>Confidence in (or conversely, the uncertainty of ) the geological interpretation of the mineral deposit.</li> <li>Nature of the data used and of any assumptions made.</li> <li>The effect, if any, of alternative interpretations on Mineral Resource estimation.</li> <li>The use of geology in guiding and controlling Mineral Resource estimation.</li> <li>The factors affecting continuity both of grade and geology.</li> </ul>	<ul> <li>The Walford Creek Deposit is characterised by several different mineralisation styles dependent on the host rock and stratigraphic position.</li> <li>Primary base metal mineralisation is hosted in relatively flat lying stratigraphic units. Sulphide mineralisation is dominant.</li> <li>Some oxidation of mineralisation has occurred but no supergene enrichment is noted.</li> <li>Mineralisation wireframes were designed on a nominal 0.1% Cu/Cu equiv cut-off grade and geological criteria including host lithology, alteration and geological sense.</li> <li>Wireframe extrapolation is 50m beyond the last drillhole for both the 50m and 100m spacing; termination of wireframes is due to a lack of drilling rather than any geological termination.</li> </ul>

Criteria	JORC Code explanation	Commentary
		<ul> <li>The existing interpretation honours all the available data; an alternative interpretation is unlikely to have a significant impact on the resource estimates.</li> </ul>
Dimensions	The extent and variability of the Mineral Resource expressed as length (along strike or otherwise), plan width, and depth below surface to the upper and lower limits of the Mineral Resource.	<ul> <li>Mineralisation can be modelled for 4.2km of strike length, with an average horizontal width of 200m and an approximate average overall thickness of the complete mineralised sequence of 160m. The individual mineral lodes have thicknesses ranging from 2m to 80m where the lodes coalesce.</li> <li>The depths below surface to the top of the mineralisation vary for the different lodes but an approximate overall range is from 5m to 120m for the uppermost lode and 100 to 250 for the lowermost lode. These depths become much greater at the western end of the deposit.</li> </ul>
Estimation and modelling techniques	<ul> <li>The nature and appropriateness of the estimation technique(s) applied and key assumptions, including treatment of extreme grade values, domaining, interpolation parameters and maximum distance of extrapolation from data points. If a computer assisted estimation method was chosen include a description of computer software and parameters used.</li> <li>The availability of check estimates, previous estimates and/or mine production records and whether the Mineral Resource estimate takes appropriate account of such data.</li> <li>The assumptions made regarding recovery of by-products.</li> <li>Estimation of deleterious elements or other non-grade variables of economic significance (eg sulphur for acid mine drainage characterisation).</li> <li>In the case of block model interpolation, the block size in relation to the average sample spacing and the search employed.</li> <li>Any assumptions behind modelling of selective mining units.</li> <li>Any assumptions about correlation between variables.</li> <li>Description of how the geological interpretation was used to control the resource estimates.</li> <li>Discussion of basis for using or not using grade cutting or capping.</li> <li>The process of validation, the checking process used, the comparison</li> </ul>	<ul> <li>Mineral interpreted wireframes and geological surfaces are based on interpretations completed on sections with strings snapped to drill holes.</li> <li>Surpac mining software was used for the interpretation and block model reporting. GS3 was used for modelling.</li> <li>3D wireframes and surfaces constructed include: Mineral zones (Chert Unit, PY1 Unit, Dolomite Unit and PY3 Unit), Fish River Fault, Chert Marker &amp; HW Chromite Marker, BOPO and BOCO.</li> <li>Wireframes were used to control the composite selection and the loading of subsequently modelled data into the block model.</li> <li>Geostatistics were performed for copper, lead, zinc, silver and cobalt within individual mineralised lenses.</li> <li>1 metre assay composites were used.</li> <li>Correlation between the main economic elements was weak indicating possible mineral zonation, which is not an uncommon feature with the type of mineralisation.</li> <li>Drillhole spacing ranges along strike from 50 to 100m and 40-80m on section.</li> </ul>

Criteria	JORC Code explanation	Commentary
	of model data to drill hole data, and use of reconciliation data if available.	<ul> <li>Parent block sizes were 20m in the X (east) direction, 15m in the Y (north) direction and 5m in the Z (RL) direction with no sub-blocking.</li> <li>Ordinary Kriging estimation was used.</li> <li>5,531 1m composites, for 4 mineral units, were selected by wireframes; residuals &lt;0.5m were discarded.</li> <li>No top cutting applied; the coefficients of variation for the relevant composite datasets suggest that the data is not sufficiently skewed to warrant top cutting.</li> <li>4 estimation search passes with an increasing search radius and decreasing number of data points were run for all domains.</li> <li>Search size: 60 by 60 by 15m (Indicated) to 120m by 120m by 30m (Inferred) with 12 minimum data decreasing to 6. Additional search of 180m by 180m by 45m with a minimum number of 6 data (Inferred).</li> <li>The first and second passes used an octant based search where at least 4 octants had to be estimated; the remaining passes used a 2 octant based search.</li> <li>Variography was poor to modest in all zones mainly due to a lack of drilling in combination with the thinness of the mineral zones.</li> <li>Search ellipses were orientated to follow the trend of the individual units. 2 spatial domains were used to account for the variable strike of the mineralised units.</li> <li>Cobalt was modelled separately due to not having been assayed with the WMC drilling. The cobalt grades have been related to particular styles of pyrite mineralisation (visually recognisable), which was recorded in the WMC drill logs. Hence confidence in including the cobalt in the reporting of the resource estimates together with the other elements.</li> <li>Model validation has consisted of visual comparison of block grades and composite values and indicated a reasonable match. Comparison of summary statistics for block grades and composite</li> </ul>

Criteria	JORC Code explanation	Commentary
		<ul> <li>values has indicated a small risk of overestimation of grade for certain elements for certain lodes (no consistent pattern).</li> <li>There are relatively limited changes between the 2011 H&amp;SC resource estimates and the current model despite a substantial amount of infill drilling and provides a good level of confidence of the resource estimates and their classification.</li> </ul>
Moisture	Whether the tonnages are estimated on a dry basis or with natural moisture, and the method of determination of the moisture content.	Tonnages are estimated on a dry weight basis.
Cut-off parameters	The basis of the adopted cut-off grade(s) or quality parameters applied.	<ul> <li>Resource estimates have been estimated at cut-off grade of 0.5% Cu equivalent above the -100mRL.</li> <li>Copper equivalent cut off equation includes assumed recovery factors based on similar types of mineralisation and price assumptions of \$3.52/lb for Cu, \$1.0/lb for Pb, \$0.95/lb for Zn, \$34/oz for Ag, \$10/lb for Co. Recoveries 90% for copper with 75% for Pb, Zn, Ag and Co.</li> <li>Cu Equiv = (0.9*Cu_pc) + (0.24*Pb_pc) + (0.22*Zn_pc) + (0.012*Ag_ppm) + (0.000237*Co_ppm).</li> <li>The cut-off grade at which the resource is quoted reflects the intended bulk-mining approach.</li> <li>Initial metallurgical testwork suggests the recovery assumptions are reasonable.</li> </ul>
Mining factors or assumptions	<ul> <li>Assumptions made regarding possible mining methods, minimum mining dimensions and internal (or, if applicable, external) mining dilution. It is always necessary as part of the process of determining reasonable prospects for eventual economic extraction to consider potential mining methods, but the assumptions made regarding mining methods and parameters when estimating Mineral Resources may not always be rigorous. Where this is the case, this should be reported with an explanation of the basis of the mining assumptions made.</li> </ul>	H&SC's understanding based on information supplied by AML is for an open pit mining scenario. Minimum mining dimensions is the parent block size of 20x15x5m.
Metallurgical factors or	<ul> <li>The basis for assumptions or predictions regarding metallurgical amenability. It is always necessary as part of the process of determining reasonable prospects for eventual economic extraction to</li> </ul>	<ul> <li>Metallurgical testwork was in progress during compilation of resource estimates.</li> <li>Initial metallurgical testwork suggests the recovery assumptions for</li> </ul>

Criteria	JORC Code explanation	Commentary
assumptions	consider potential metallurgical methods, but the assumptions regarding metallurgical treatment processes and parameters made when reporting Mineral Resources may not always be rigorous. Where this is the case, this should be reported with an explanation of the basis of the metallurgical assumptions made.	<ul> <li>various metals are reasonable.</li> <li>There is some evidence of metal zonation for Cu, Pb, Zn &amp; Ag. The dominant minerals are chalcopyrite, galena &amp; sphalerite for copper, lead and zinc respectively.</li> <li>Mineralogical testwork has identified that a majority of the cobalt resides within distinctive types of pyrite and is not necessarily linked to copper grades.</li> <li>The deposit type is similar to Mt Isa style.</li> </ul>
Environmen- tal factors or assumptions	<ul> <li>Assumptions made regarding possible waste and process residue disposal options. It is always necessary as part of the process of determining reasonable prospects for eventual economic extraction to consider the potential environmental impacts of the mining and processing operation. While at this stage the determination of potential environmental impacts, particularly for a greenfields project, may not always be well advanced, the status of early consideration of these potential environmental impacts should be reported. Where these aspects have not been considered this should be reported with an explanation of the environmental assumptions made.</li> </ul>	<ul> <li>No studies have been undertaken by AML</li> <li>The area contains large flat areas suitable for waste dumps and tailings facilities.</li> <li>No large river systems pass through the area.</li> <li>Water courses are generally restricted.</li> <li>There are abundant carbonate rocks, the Walford Dolomite, in the vicinity to provide material for control of any acid mine drainage.</li> </ul>
Bulk density	<ul> <li>Whether assumed or determined. If assumed, the basis for the assumptions. If determined, the method used, whether wet or dry, the frequency of the measurements, the nature, size and representativeness of the samples.</li> <li>The bulk density for bulk material must have been measured by methods that adequately account for void spaces (vugs, porosity, etc), moisture and differences between rock and alteration zones within the deposit.</li> <li>Discuss assumptions for bulk density estimates used in the evaluation process of the different materials.</li> </ul>	<ul> <li>2,472 single 10cm pieces of core had SG values determined using the "Archimedes Principle" on dry weight basis.</li> <li>Localised vuggy material may have an overstated density due to samples not sealed in wax prior to measuring the weight in water.</li> <li>Density was modelled using the Inverse Distance Squared modelling technique using 1m composites extracted for the individual mineral wireframes (total 1,172 composites) and waste rock.</li> </ul>
Classification	<ul> <li>The basis for the classification of the Mineral Resources into varying confidence categories.</li> <li>Whether appropriate account has been taken of all relevant factors (ie relative confidence in tonnage/grade estimations, reliability of input data, confidence in continuity of geology and metal values, quality, quantity and distribution of the data).</li> <li>Whether the result appropriately reflects the Competent Person's</li> </ul>	<ul> <li>Mineral resources have been classified on the estimation search pass category subject to assessment of other impacting factors such as drillhole spacing (variography), core handling and sampling procedures, QAQC outcomes, density measurements, geological model and previous resource estimates.</li> <li>The classification appropriately reflects the Competent Person's view</li> </ul>

Criteria	JORC Code explanation	Commentary
	view of the deposit.	of the deposit.
Audits or reviews	The results of any audits or reviews of Mineral Resource estimates.	An internal peer review of the model has been completed by H&SC.
Discussion of relative accuracy/confidence	<ul> <li>Where appropriate a statement of the relative accuracy and confidence level in the Mineral Resource estimate using an approach or procedure deemed appropriate by the Competent Person. For example, the application of statistical or geostatistical procedures to quantify the relative accuracy of the resource within stated confidence limits, or, if such an approach is not deemed appropriate, a qualitative discussion of the factors that could affect the relative accuracy and confidence of the estimate.</li> <li>The statement should specify whether it relates to global or local estimates, and, if local, state the relevant tonnages, which should be relevant to technical and economic evaluation. Documentation should include assumptions made and the procedures used.</li> <li>These statements of relative accuracy and confidence of the estimate should be compared with production data, where available.</li> </ul>	<ul> <li>The Mineral Resources have been classified using a qualitative assessment of a number of factors including the complexity of mineralisation (including metal zonation), the drillhole spacing, QA/QC data, undocumented historical RC sampling methods, and missing cobalt grades from the historical drilling.</li> <li>The Mineral Resource estimates are considered to be accurate globally, but there is some uncertainty in the local estimates due to the current drillhole spacing.</li> <li>The geological understanding has been substantially improved with the AML drilling campaign and has allowed for the inclusion of cobalt in the reported resources.</li> <li>No mining of the deposit has taken place so no production data is available for comparison.</li> </ul>