



ASX Release
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(Exploration Manager)

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(Company Secretary)

Mr. Paul Chare
(Project Manager)

ASX Symbol: HAW

Hawthorn Resources Limited

December 2015 Quarterly Report

EXPLORATION AND DEVELOPMENT

Kalgoorlie, Eastern Goldfields – Gold, Western Australia

- RC drilling continues to intersect gold mineralisation at **Box Well West - Yundamindera Project**
- Near surface and deeper drill intercepts of gold mineralised shear system recovered gold grades including
 - **10 metres @ 1.96 g/t Au from 19m – YMC120,**
 - **7 metres @ 2.60 g/t Au from 121m – YMC121 (incl. 3 metres @ 5.04 g/t Au from 123m),**
 - **12 metres @ 2.50 g/t Au from 31m – YMC124,**
 - **7 metres @ 6.60 g/t Au from 22m – YMC127 and (incl. 3 metres @ 11.99 g/t Au from 22m).**
- The gold mineralised system has now been intersected over 1200 metres of strike, at depth, and remains open both along strike and at depth. Drilling to resume during February 2016.
- Geophysical surveys to the north and south of the **Box Well West** gold mineralisation reveal anomalies of a similar amplitude to the known mineralisation. Drill testing scheduled for February-March 2016.
- At the **Deep South Project** substantial conductivity anomalies are identified adjacent to **Central Main Zone** gold mineralisation and are expected to be drilled in the upcoming quarter.
- **AngloSaxon Gold Mining Project - Mining Proposal** documentation submitted to West Australian Department of Mines and Petroleum remains under assessment.

Gold Exploration – Western Australia incorporating:

Deep South Project

Hawthorn Resources 80%, MetalsX 20%;

Trouser Legs Project

Hawthorn Resources 70%, Gel Resources 30%;

Yundamindera Project

Hawthorn Resources 100% and Edjudina-Pinjin JV Tenements (Hawthorn Resources 80%, MetalsX 20%); and

Whiteheads Project

Hawthorn Resources 100%

Hawthorn Resources' Western Australian gold exploration programs are primarily focussed in four major project areas where Hawthorn Resources holds in its own right or has earned equity from joint venture partners in over 70 granted exploration, mining, prospecting licences and applications. The Company believes that the major project areas, in close proximity to milling and transport infrastructure, hold both exploration upside and near term potential for development.

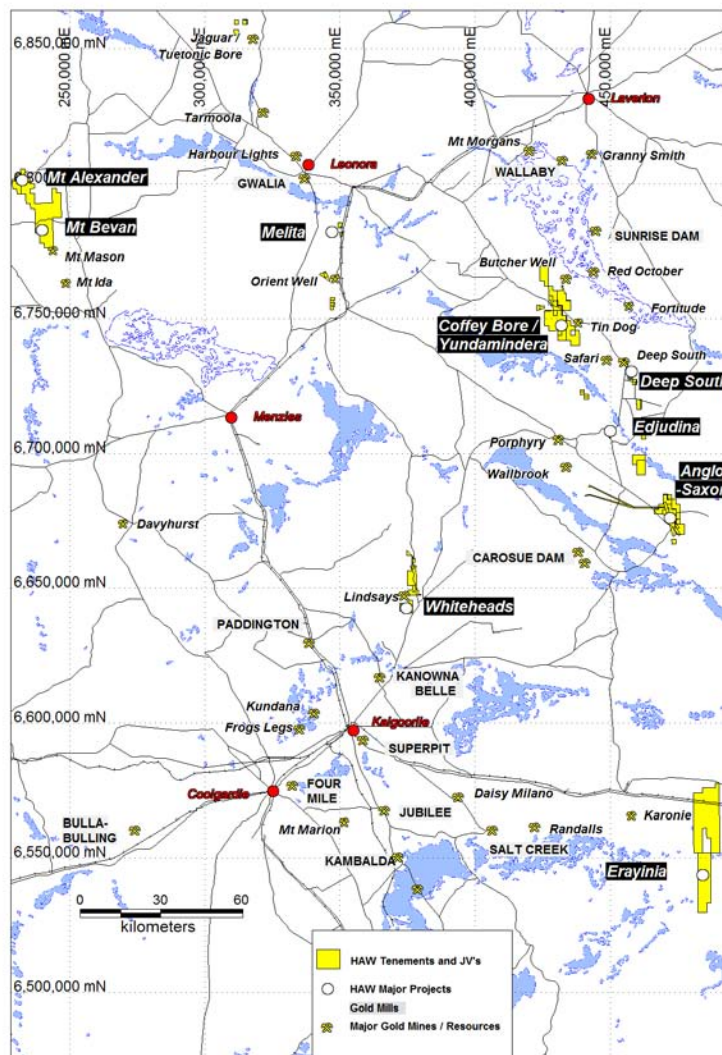


Figure 1. Eastern Goldfields, Western Australia – Project Locations

The major projects cover two geological and mineralogical domains.

- A substantial part of the Eastern Goldfields extending from the Lake Carey to the historic Pinjin Mining Centre – a strike length of approximately 125 kilometres. Hawthorn's tenement package is surrounded by major gold mines, deposits and advanced resources including **Sunrise Dam, Wallaby, Red October, Carosue Dam, Safari Bore, Deep South, Porphyry** and **Butchers Well Mines**. The gold endowment of these mines and resources currently exceeds 22 Million ounces.
- A contiguous group of 11 tenements ("Whiteheads") covering the historic Gindalbie Mining Centre that surrounds the **Lindsays** gold resource of KalNorth Gold Mines Limited ("KalNorth"), and only 50 kilometres from the mining infrastructure hub of Kalgoorlie.

Yundamindera Project

(Hawthorn 100% and Hawthorn Resources 80%, Metals X 20%).

In the **Yundamindera Project** area, located approximately 175 kilometres to the north east of Kalgoorlie, Western Australia exploration has focused on the discovery of gold associated with mineralised syenitic porphyry dykes, BIF's and shears. Significant gold mineralisation continues to be discovered within the project area both in outcrop and, perhaps more importantly, beneath extensive and pervasive, transported cover sequences.

Exploration in the **Yundamindera Project** area has been focused towards the discovery of shear and porphyry associated gold mineralisation – the host of major gold resources in the North East Goldfields of Western Australia at the **Wallaby (>7 Moz Au)**, **Jupiter – Heffernans (1.1 Moz Au)** and **Butcher Well (0.3 Moz)** mining centres.

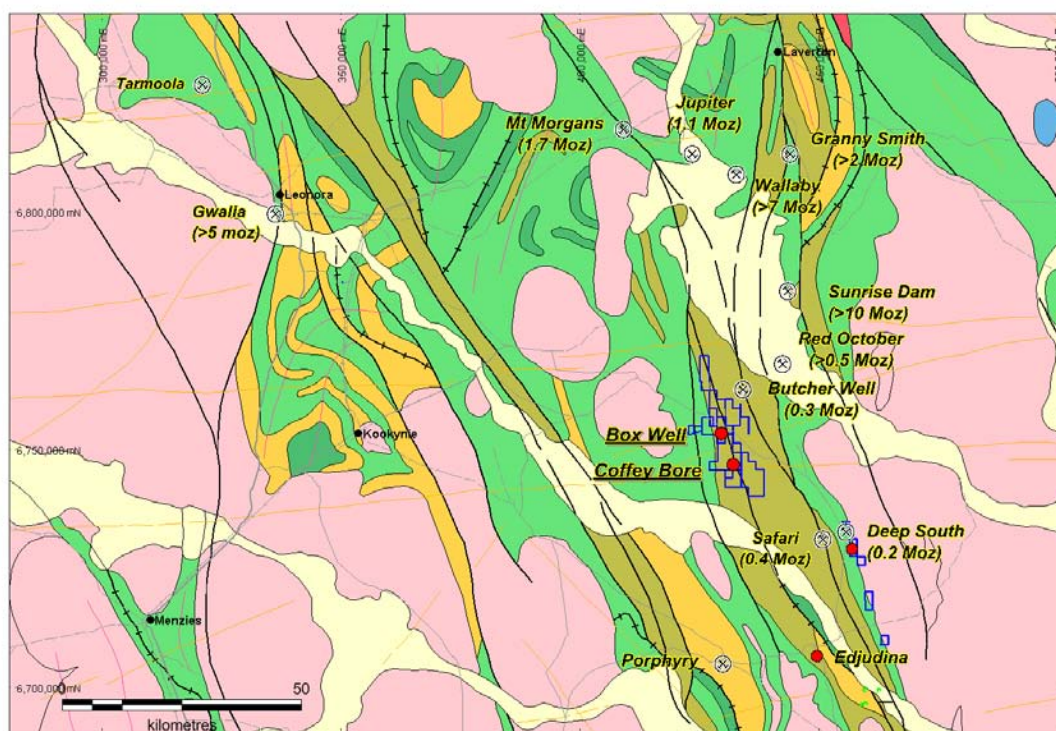


Figure 2. Box Well and Coffey Bore Prospects – Geology of North East Goldfields of Western Australia

At the **Box Well West Prospect** a strongly gold mineralised, silicified shear zone has been discovered within a broader, gold mineralised, stockwork quartz veined package of felsic volcanics and volcanoclastic sediments.

Despite an extensive history of modern exploration in the prospect area this newly identified mineralised unit had not previously been identified or drilled, prior to Hawthorn's current exploration program.

Drilling campaigns carried out at **Box Well West** and reported during the 2nd half of 2015, returned gold results including,

- o 13 metres @ 2.40 g/t Au from 20 metres in YMC068,
- o 35 metres @ 1.47 g/t Au from 6 metres in YMC070,
- o 26 metres @ 2.07 g/t Au from 19 metres in YMC075,
- o 15 metres @ 2.58 g/t Au from 112 metres in YMC076,
- o 27 metres @ 1.37 g/t Au from 24 metres in YMC085
(incl 10 metres @ 3.06 g/t Au from 24m),
- o 38 metres @ 1.62 g/t Au from 12 metres in YMC092
(incl 8 metres @ 3.37 g/t Au from 19m),
- o 36 metres @ 1.96 g/t Au from 42 metres in YMC093
(incl 21 metres @ 3.01 g/t Au from 57m),
- o 19 metres @ 2.13 g/t Au from 101 metres in YMC095,
- o 12 metres @ 2.04 g/t Au from 37 metres in YMC096, and
- o 15 metres @ 1.46 g/t Au from 46 metres in YMC099.

A further follow-up campaign was completed in December 2015 with 27 holes drilled for 2264 metres.

The program was designed to infill existing sections and obtain fresh rock observations of the mineralised silicified quartz-pyrite shear zone and silicified host felsic volcanic and volcanoclastic sequences. Results from this program are presented below in Table 1 and Figure 3.

Table 1. December Quarter 2015 – Box Well West RC Drill Assays

Hole No.	Prospect	Azimuth	Dip	Type	From (m)	To (m)	Width (m)	Au g/t
YMC102	Box Well West	272	-55	RC	65	70	5	1.41
YMC103	Box Well West	270	-55	RC	12	13	1	1.54
and					49	53	4	0.50
YMC104	Box Well West	271	-55	RC	83	91	8	0.48
YMC105	Box Well West	268	-55	RC	27	29	2	1.04
and					38	40	2	1.13
YMC106	Box Well West	268	-55	RC	57	60	3	0.47
YMC108	Box Well West	267	-55	RC	37	39	2	0.88
and					65	68	3	0.63
YMC109	Box Well West	267	-55	RC	5	9	4	0.51
and					25	29	4	2.22
YMC110	Box Well West	267	-55	RC	7	12	5	0.50
YMC113	Box Well West	267	-55	RC	18	20	2	0.88
and					27	31	4	0.78
YMC114	Box Well West	266	-55	RC	40	51	11	0.51
YMC115	Box Well West	267	-55	RC	36	39	3	0.81
YMC116	Box Well West	267	-55	RC	30	34	4	0.60
and					48	55	7	0.50
YMC117	Box Well West	269	-55	RC	105	106	1	1.10
and					138	144	6	1.37
YMC118	Box Well West	268	-55	RC	24	36*	12	1.09
YMC119	Box Well West	265	-55	RC	52	55#	3	1.35
YMC120	Box Well West	0	-90	RC	19	29	10	1.96
YMC121	Box Well West	269	-55	RC	84	101	17	0.90
incl.					84	86	2	2.56
and					121	128	7	2.60

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<i>incl.</i>					123	126	3	5.04
YMC122	Box Well West	270	-55	RC	26	43	17	0.44
<i>and</i>					90	95	5	0.51
YMC123	Box Well West	270	-70	RC	146	153	7	1.16
YMC124	Box Well West	267	-55	RC	31	43	12	2.50
YMC125	Box Well West	267	-55	RC	56	63	7	0.72
YMC126	Box Well West	270	-55	RC	32	35	3	0.72
YMC127	Box Well West	269	-55	RC	22	29	7	6.60
<i>incl.</i>					22	25	3	11.99
YMC128	Box Well West	270	-55	RC	27	29	2	0.90
<i>and</i>					39	47	8	0.61
<i>and</i>					53	56	3	1.44

All RC samples collected as 1 metre splits through rotating splitter.

RC Holes initially assayed as 4 metre spear composites if significant composite results >0.10 g/t Au over 4metres – 1 metre sample bags are submitted for assay. All RC Assays Bureau Veritas Laboratories, Kalgoorlie. 0.30 g/t Au lower cut - < consecutive 3.0m of internal waste for each intercept.

= EOH. * = 4 metre composite sampling only

The drilling program has continued to intercept the primary host a 5-12 metre wide north-northwest striking and east dipping (60-65°), quartz-pyrite±haematite shear zone along the 1200 metre of strike tested to date. Importantly the shear zone has been identified in each section drilled to date, including sections where only lower grade gold results have been returned, indicating the robust nature of this structural feature.

With drill testing of several sections at depth complete, it appears that the intersection of the primary mineralised shear zone with steep east dipping, strongly silicified felsic tuffs and lavas is conducive to the formation of broad zones of gold bearing breccia zones (e.g. **36 metres @ 1.96 g/t Au from 42 metres in YMC093 (incl 21 metres @ 3.01 g/t Au from 57m)** and **19 metres @ 2.13 g/t Au from 101 metres in YMC095**). Intercepts in more ductile units, including volcanoclastics, appear less able to brecciate and form broad gold bearing intercepts aside from within the primary mineralised shear zone.

The development of hangingwall gold mineralised zones has now been observed in drillhole **YMC121**, the most easterly hole drilled to date, with a zone of **17 metres @ 0.90 g/t Au** intercepted from a weakly brecciated silicified felsic tuff approximately 10-20 metres into the (eastern) hangingwall of the main mineralised shear zone. It is anticipated that this mineralised feature will intersect down dip with the primary shear zone.

This interpreted intersection of mineralised zones is to be drill tested during February – March 2016.

The most recent program has also seen the best near surface intercept of the main mineralised shear zone of **7 metres @ 6.60 g/t Au** from **22 metres** downhole depth in **YMC127** on the southern end of the Central Mineralised Zone. Follow-up drilling is planned during February – March 2016.

In order to assess the extent of the gold mineralised system at **Box Well West** beyond the current tested 1200 metres of strike, a Sub-Audio Magnetics (SAM) geophysical survey was commissioned testing potential strike extensions north and south of the known mineralised zone in areas of pervasive, transported alluvium.

This survey, covering approximately 1.6 and 2.0 kilometres of prospective strike to the north and south respectively, has identified 7 High Priority targets in the same lithological and structural package as the **Box Well West** gold mineralised zone. The most prospective of these targets, **BW_01**, **BW_02** and **BW_03** commence approximately 160 metres south of current drilling and extend for over 800 metres along strike (Figure 3). Further testwork and drilling is planned during February – March 2016.

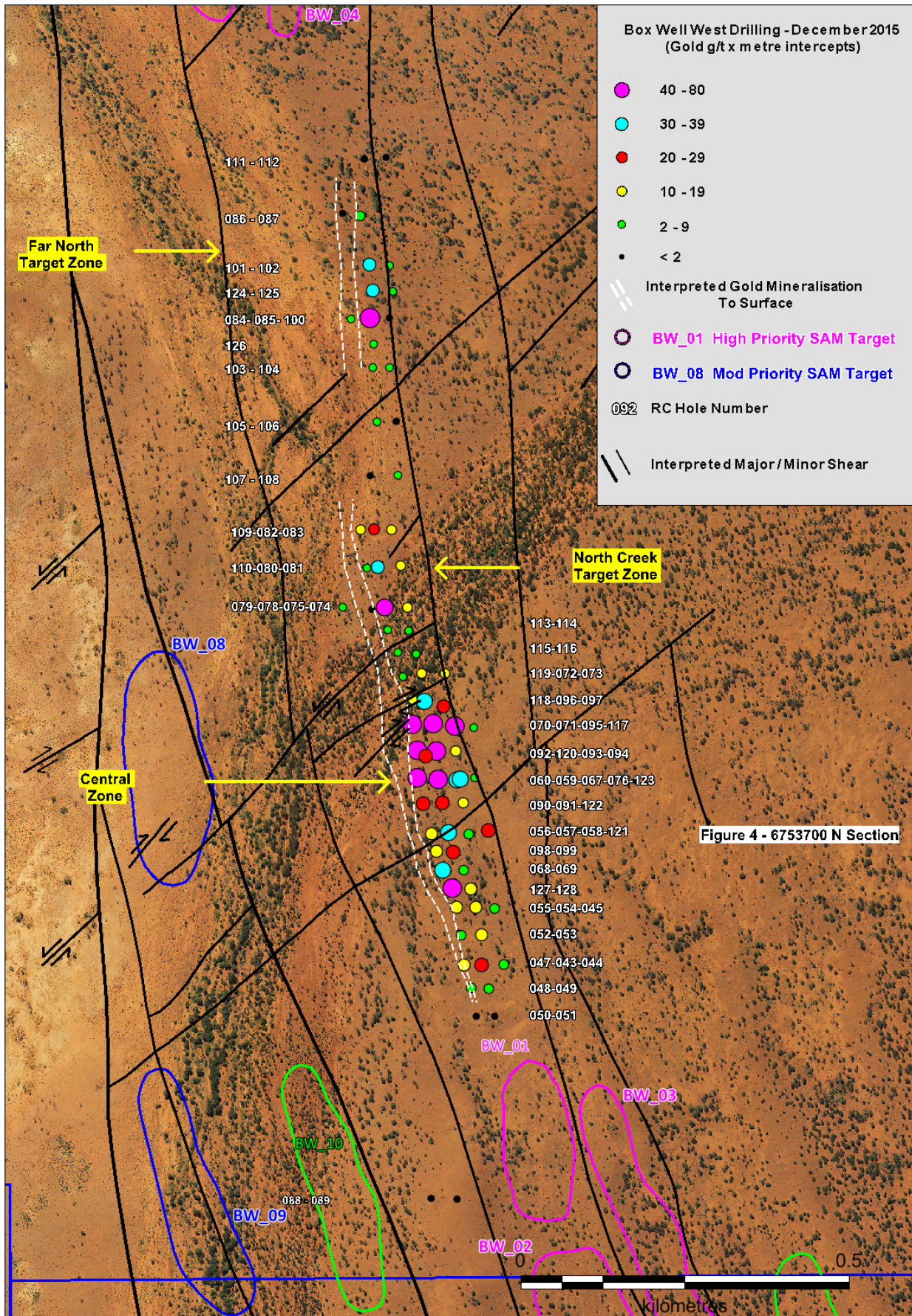


Figure 3. Box Well West Plan View of Gold Intercepts (g/t x m) and SAM Priority Targets

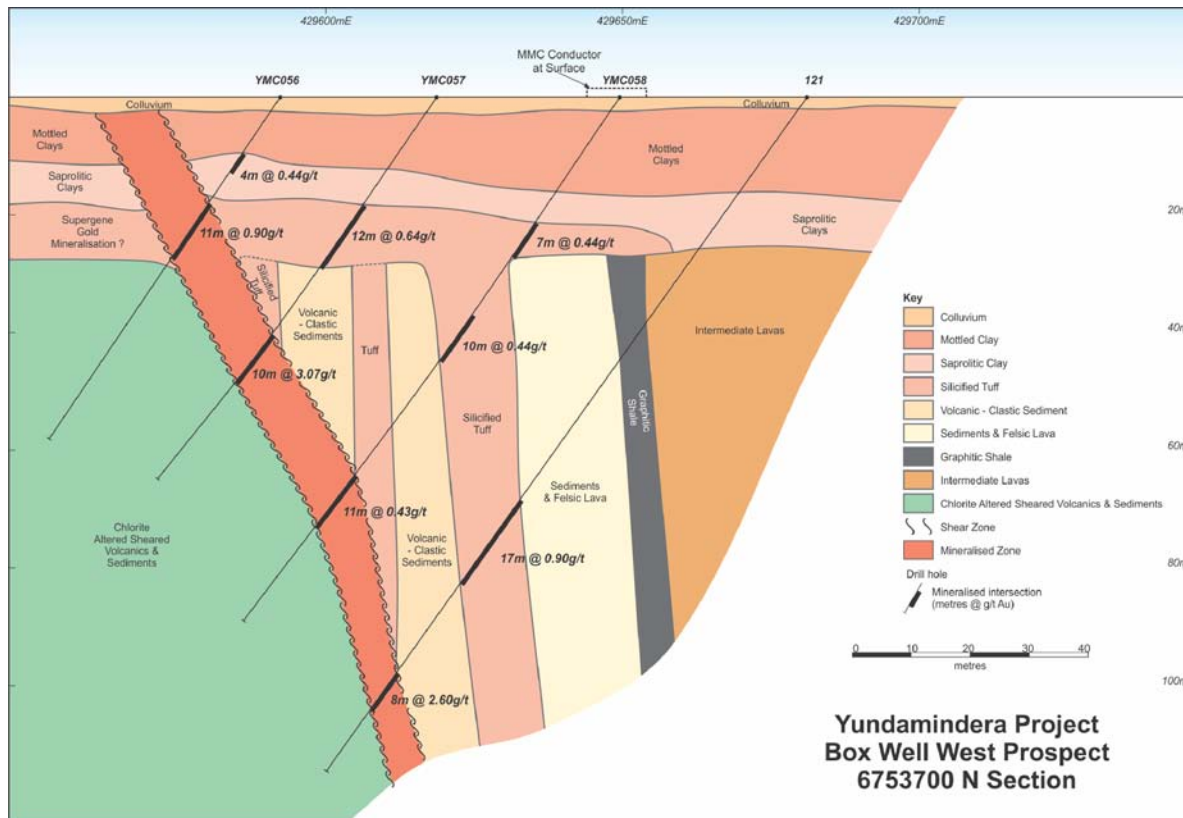


Figure 4. Box Well West – Section 6753700 N

Drilling continues to indicate that:

- **shallow, near surface, wide zones of gold mineralisation has been intersected in broad spaced drilling over 1200 metres of strike to date,**
- **the core silicified shear zone (+ pyrite – quartz veining) occurs within a wider zone of gold mineralised, stockwork quartz veined felsic tuffs and volcanics,**
- **gold mineralisation remains substantially untested to date below 100 metres vertical depth**

Full details of RC drill collar locations and program details are attached in Appendix 1 and 2.

In the upcoming quarter it is planned to complete Diamond drillcore programs to obtain material for physical testwork and structural controls of the known mineralisation at **Box Well West**, while drill testing of newly identified targets along strike and at depth will be tested by reverse circulation drilling.

Hawthorn continues to believe that a significant gold resource may be identified within the **Box Well West** prospect with further zones of gold mineralisation remaining to be discovered within the **Yundamindera** project area.

Trouser Legs – Anglo Saxon Project

(Hawthorn Resources 70%, Gel Resources 30%).

The **Trouser Legs Project** area is located 140 km north east of Kalgoorlie and is centred on the historic **Anglo Saxon Mine**. The **Trouser Legs - Anglo Saxon** project area is situated 35 kilometres to the east of the Carosue Dam Mill of Saracen Mineral Holdings Limited.

Hawthorn has announced a Mineral Resource Estimate at the Anglo Saxon Deposit of

- **Indicated Mineral Resource – 599,000t at 3.3 g/t gold for 63,700 oz of gold (Oxide and Transition Zones), and**
- **Inferred Mineral Resource – 1,687,000t at 4.1 g/t gold for 221,800 oz of gold (Oxide, Transition and Primary)**

Hawthorn Resources confirms that all material assumptions and technical parameters underpinning the Mineral Resource Estimate in the announcement, **Anglo Saxon – Indicated Mineral Resource Upgrade**; ASX Announcement: 30/10/2013, continue to apply and have not materially changed, and that the form and context in which the Competent Persons findings are presented have not been materially altered.

During the quarter the **Anglo Saxon Gold Mining Project - Mining Proposal, Mine Closure Plan and Environment Management Plan** documents continued to be assessed by the West Australian Department of Mines and Petroleum.

As in the previous quarter discussions with stakeholders regarding the proposed **Anglo Saxon Mine development**, and associated infrastructure have continued during the quarter.

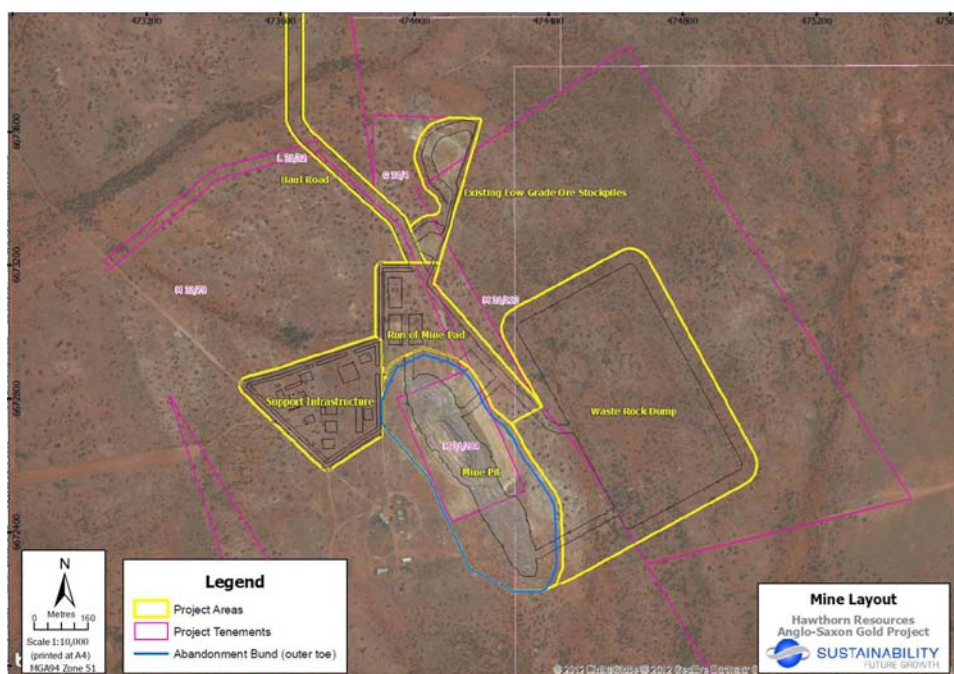


Figure 5. Anglo Saxon Deposit – Proposed Mine Layout

Deep South Project

(Hawthorn Resources 80%, Metals X 20%).

The **Deep South Project** is approximately 180 kilometres north east of Kalgoorlie with the project area situated along strike of known economic gold mineralisation hosted in the **Deep South-Mexico** gold orebodies owned by Saracen Mineral Holdings Limited ("Saracen"). Saracen has completed a Feasibility Study on the underground Probable Reserve at the deposit of 125,000 ounces of gold in a Mining Inventory of 174,000 ounces of gold. Saracen have reported that underground development of this deposit has commenced with production to start in the March 2016 quarter.

Hawthorn has identified a gold mineralised horizon analogous to the adjacent **Deep South** gold orebodies within its tenement package.

During the quarter Hawthorn evaluation of the SAM (Sub-Audio Magnetic) survey over the key tenements in the project area was completed. This geophysical technique, utilising off time EM data identifies conductive horizons within rock packages that may indicate significant sulphide, and potentially associated gold mineralisation, development.

A substantial conductivity anomaly with significant depth extent has been identified immediately to the east and in the footwall of the previously announced **Central Zone** of gold mineralisation where gold intercepts reported have included:

- o 5.0 metres @ 7.05 g/t Au – DSC049,
- o 6.0 metres @ 6.06 g/t Au – DSC 060
- o 3.0 metres @ 8.13 g/t Au – DSC072,
- o 17.0 metres @ 2.35 g/t Au – DSC073,
- o 14 metres @ 3.50 g/t Au – DSC123,

These intercepts are developed in a quartz-pyrite-pyrrhotite vein system believed to be analogous to the hangingwall Butler Lode currently mined in the Saracen Mine. By contrast the higher gold grade, footwall Scarlett Lode (a carbonate+/- variable pyrite-pyrrhotite-quartz-magnetite vein) has not been observed in Hawthorn's drilling to date.

It is believed that Scarlet Lode type mineralisation would generate a substantial EM anomaly. The, position, amplitude and depth extent of the conductor on Hawthorn's ground clearly requires drill testing. Figure 6.

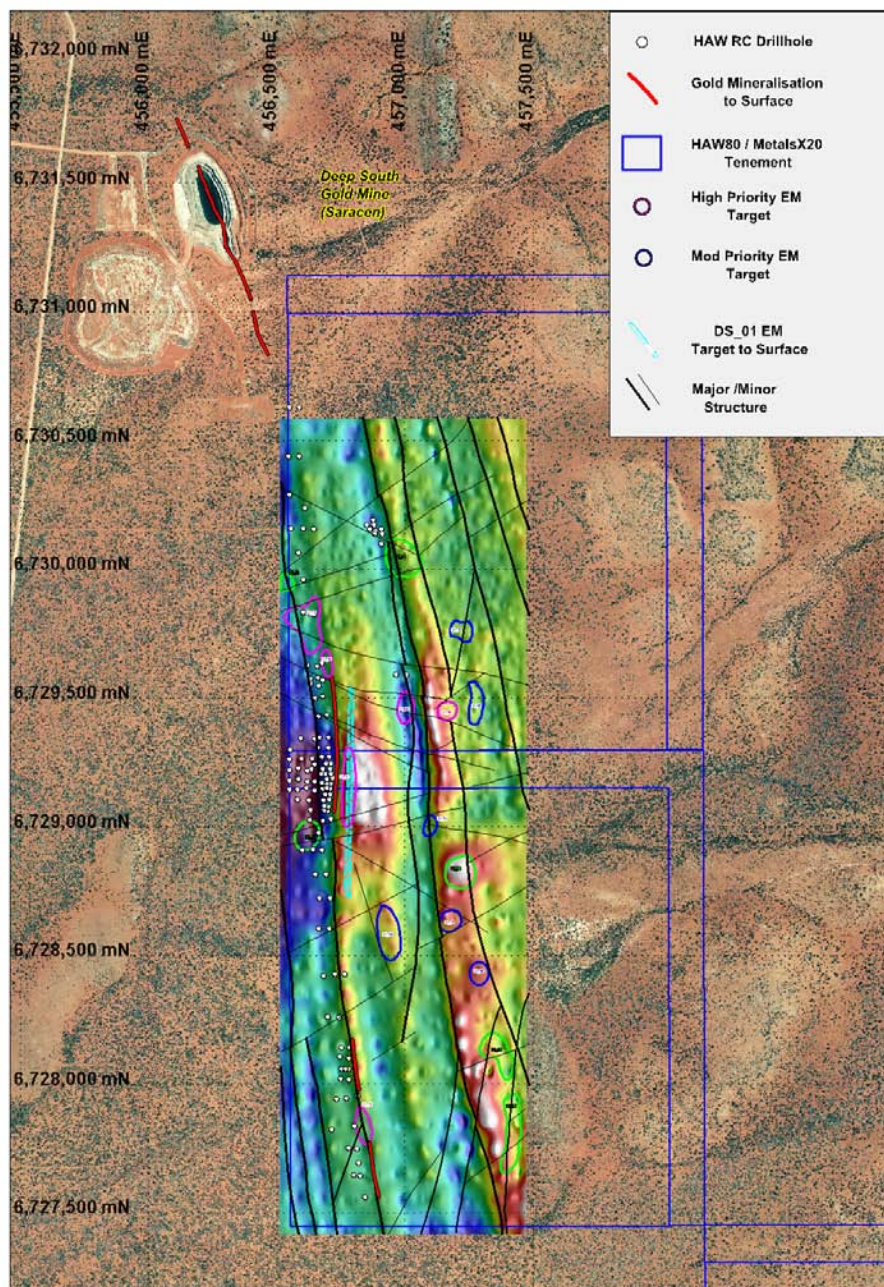


Figure 6. Deep South – EM1VDCh9 Data

Drilling will be undertaken in the upcoming quarter.

Joint Ventures – Western Australia

Mount Bevan Iron Ore Project

(Hawthorn 40%, Legacy 60%)

The **Mount Bevan Project**, comprising Exploration Licence 29/510, is located approximately 100 km west of Leonora in the central Yilgarn region of Western Australia.

The Project area is held in Joint Venture with Legacy Iron Ore (“Legacy”), with technical programs approved by a Technical Committee comprising representatives of each company and managed by Legacy.

Three substantial BIF horizons have been identified within the tenement to date that extend in a north-northwest orientation throughout the entire length of the tenement; a strike distance of more than 25 kilometres. The westernmost of these horizons hosts the substantial ***Mt Bevan Indicated Magnetite Resource*** of ***322Mt @ 34.7% Fe*** within a larger ***Inferred Magnetite Resource*** of ***1,117 Mt @ 34.9% Fe***.

In addition the northern extension of the Jupiter Mines Limited (“Jupiter”) ***Mt Mason Resource DSO Haematite Resource (9.4Mt @ 57.6% Fe)*** extends into the Joint Venture tenement.

The Joint Venture Manager, Legacy Iron Ore Limited (“Legacy”) has reported limited exploration has been undertaken during the quarter.

Erayinia Joint Venture – Western Australia

(Black Raven Mining 70%, Hawthorn Resources 30%).

The Joint Venture manager, Black Raven Mining Pty Ltd, has reported that detailed soil sampling on previously un-sampled areas within the JV tenements is now complete, with a number of Cu-Zn and Au anomalies requiring further assessment.

In addition Black Raven is shortly to commence drilling of the VTEM 24 anomaly approximately 3.5 kilometres north of the known prime prospect within the ***Erayinia Project*** the ***King VHMS Mineralised Prospect***. Black Raven successfully applied for co-funding for this drilling with the Western Australian Mines Department – with drilling to commence in the upcoming quarter.

CORPORATE

Board of Directors

In December 2015 Mr Ye, Xiaohui resigned as a director of the Company and Mr Liu, Zhensheng was appointed to replace Mr. Ye on the Board of Directors as a nominee of Feng Hua Mining Investment Holdings (HK) Limited.

Mr. Liu, a Geological Professor-level senior engineer and a Mineral Processing senior engineer is a Director and Deputy General Manager of Guangdong Rising Mining Investment Ltd

Funding/Cash Balance

As at 31 December 2015 the Company held “clear” funds-on-hand of A\$5.377 million (September 2015: A\$6.552 million) representing a cash backing of A\$0.0314 a share (September 2015: A\$0.0383).

Of these funds A\$5.082 million was invested in term deposits at an average annual rate of interest of 2.8 per cent.

Issued Securities

During the quarter ended 31 December 2015 there were no changes in the number or the Company’s securities on issue. Such securities being the 171,263,644 ordinary fully paid shares quoted on the official lists of the Australian Stock Exchange (ASX Limited) under the securities code of “HAW”.



Mourice R Garbutt
Company Secretary

The information in this report that relates to Exploration Results and Mineral Resources is based on information compiled by Mr Ian Moody, who is a member of the Australasian Institute of Mining and Metallurgy and a full time consultant geologist with First Principle Mineral Exploration Company Pty Ltd. Mr Moody has sufficient experience as a geologist which is relevant to the style of mineralization and the 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 of Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr Moody consents to the inclusion in this report of the matters based on his information in the form and context in which it appears

Hawthorn Resources Limited – December 2015 Activities Report

Appendix 1
December 2015 Quarter
Drillhole Collars

<u>Hole No.</u>	<u>Project</u>	<u>Prospect</u>	<u>MGD94N</u>	<u>MDA94E</u>	<u>Type</u>	<u>EOH (m)</u>	<u>Dip</u>	<u>Azimuth</u>
YMC102	Yundamindera	Box Well West	6754559	429530	RC	122	-55	272
YMC103	Yundamindera	Box Well West	6754404	429504	RC	73	-55	270
YMC104	Yundamindera	Box Well West	6754404	429530	RC	104	-55	271
YMC105	Yundamindera	Box Well West	6754322	429511	RC	73	-55	268
YMC106	Yundamindera	Box Well West	6754322	429539	RC	92	-55	268
YMC107	Yundamindera	Box Well West	6754239	429499	RC	79	-55	267
YMC108	Yundamindera	Box Well West	6754240	429543	RC	98	-55	267
YMC109	Yundamindera	Box Well West	6754158	429486	RC	54	-55	267
YMC110	Yundamindera	Box Well West	6754099	429495	RC	49	-55	267
YMC111	Yundamindera	Box Well West	6754721	429491	RC	62	-55	267
YMC112	Yundamindera	Box Well West	6754723	429523	RC	116	-55	269
YMC113	Yundamindera	Box Well West	6754005	429527	RC	61	-55	267
YMC114	Yundamindera	Box Well West	6754004	429559	RC	86	-55	266
YMC115	Yundamindera	Box Well West	6753971	429542	RC	43	-55	267
YMC116	Yundamindera	Box Well West	6753969	429571	RC	86	-55	267
YMC117	Yundamindera	Box Well West	6753857	429659	RC	158	-55	269
YMC118	Yundamindera	Box Well West	6753900	429565	RC	55	-55	268
YMC119	Yundamindera	Box Well West	6753934	429550	RC	55	-55	265
YMC120	Yundamindera	Box Well West	6753812	429585	RC	49	-90	0
YMC121	Yundamindera	Box Well West	6753699	429680	RC	140	-55	269
YMC122	Yundamindera	Box Well West	6753741	429642	RC	104	-55	270
YMC123	Yundamindera	Box Well West	6753781	429660	RC	159	-70	270
YMC124	Yundamindera	Box Well West	6754521	429505	RC	61	-55	267
YMC125	Yundamindera	Box Well West	6754520	429535	RC	85	-55	267
YMC126	Yundamindera	Box Well West	6754440	429505	RC	67	-55	270
YMC127	Yundamindera	Box Well West	6753612	429625	RC	55	-55	269
YMC128	Yundamindera	Box Well West	6753611	429653	RC	85	-55	270

Appendix 2 –Yundamindera – Box Well West December 2015 RC Drill Program

THE 2012 AUSTRALASIAN CODE FOR REPORTING EXPLORATION RESULTS, MINERAL RESOURCES AND ORE RESERVES (THE JORC CODE)

Table 1 Checklist of Assessment and Reporting Criteria

JORC Code, 2012 Edition – Table 1 report template

Section 1 Sampling Techniques and Data

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

Criteria	JORC Code explanation	Commentary
Sampling techniques	<i>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.</i> <i>Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.</i> <i>Aspects of the determination of mineralisation that are Material to the Public Report.</i> <i>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.</i>	Sampling technique discussed over page in sub sampling technique section.
Drilling techniques	<i>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).</i>	RC Drilling – 5.5 inch hole

Criteria	JORC Code explanation	Commentary
<i>Drill sample recovery</i>	• <i>Method of recording and assessing core and chip sample recoveries and results assessed.</i> • <i>Measures taken to maximise sample recovery and ensure representative nature of the samples.</i> • <i>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.</i>	Yundamindera RC Drilling. • Samples are generally dry with some damp samples at depth however compressor size maintains sample recovery. Recovery good from all holes returning expected volume of sample except in collar area 0-4m. Some lesser returns from a few holes at >100 metres downhole, but never less than 50% recovery • Metre sample volumes and moisture content is estimated and recorded by the geologist on site
<i>Logging</i>	• <i>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.</i> • <i>Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.</i> • <i>The total length and percentage of the relevant intersections logged.</i>	Yundamindera RC Drilling. • Chip samples have been geologically logged for all relevant geological and some structural data. Logging for this program has been digitally captured, and would be capable of being included in a Mineral Resource Estimation. Chips are retained in chip trays • Every metre is individually logged.
<i>Sub-sampling techniques and sample preparation</i>	• <i>If core, whether cut or sawn and whether quarter, half or all core taken.</i> • <i>If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.</i> • <i>For all sample types, the nature, quality and appropriateness of the sample preparation technique.</i> • <i>Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.</i> • <i>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.</i> • <i>Whether sample sizes are appropriate to the grain size of the material being sampled.</i>	Yundamindera RC Drilling. • Reverse circulation samples were split on site using a rig mounted Sandvik Rotaport Splitter. Approximately 98.5% of samples are dry. • Samples are collected in appropriate sized plastic bags • Initial "spear" samples to the corner of each bag was carried out with samples composited over 4 metres and sent for fire assay. • Composite Samples returning > 0.10 g/t Au over 4 metres, have had individual 1 metre split samples submitted for assay, or where geologic zones of interest are identified by the site geologist • Individual metre samples weigh approximately 25 kg with individual 1 metre splits of 2.5-3.5 kg obtained and stored on site. • CRM standards, blanks and duplicates submitted with assays.
<i>Quality of assay data and</i>	• <i>The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.</i> • <i>For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument</i>	Yundamindera RC Drilling • Samples are assayed by Fire Assay, 30 g charge at Bureau Veritas , Kalgoorlie • A range of five different gold grade CRM standards have been submitted at a rate of 6 / 100 samples.

Criteria	JORC Code explanation	Commentary
<i>laboratory tests</i>	<i>make and model, reading times, calibrations factors applied and their derivation, etc.</i> <i>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.</i>	- The number of each individual standard sample submitted is moderate - however at least one standard is submitted in each run of 1 metre reassays. - CRM standards submitted in 4 m composite sampling at the same rate - Analysis on individual standards is ongoing with each standard inserted performing reasonably well with no major variance observed. - Re-assay / umpire sampling program is underway - Blanks (1 / 100) submitted these have performed reasonably with results less than 0.01 g/t gold
<i>Verification of sampling and assaying</i>	<i>The verification of significant intersections by either independent or alternative company personnel.</i> <i>The use of twinned holes.</i> <i>Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.</i> <i>Discuss any adjustment to assay data.</i>	Yundamindera RC Drilling - No twinned holes have been drilled as this is an initial pass of RC drilling - Onsite geologist data verified by Exploration Manager - Laboratory data is supplied electronically to site and head office - Project data is currently stored at the head office of the company and in onsite laptops, with a weekly offsite backup of all data. - Geological logging is entered by technical staff and reviewed for correctness.
<i>Location of data points</i>	<i>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.</i> <i>Specification of the grid system used.</i> <i>Quality and adequacy of topographic control.</i>	Yundamindera RC Drilling - The grid used is GDA 94 Zone 51. - Collars collected on at least 3 cycling handheld GPS points.. - Surface land form in each prospect area drilled is gently sloping and is currently assumed equivalent for each hole drilled. - DGPS collection of collar data is planned - AHD survey to be carried out in addition to the DGPS survey of collars
<i>Data spacing and distribution</i>	<i>Data spacing for reporting of Exploration Results.</i> <i>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</i>	Yundamindera RC Drilling - Data collected to date is initial and will require follow-up drilling. - Current drill spaces are on 30m, 40m, 60m or 80 m sections, with approximately 30 m between holes along section.

Criteria	JORC Code explanation	Commentary
	<i>classifications applied.</i> <i>Whether sample compositing has been applied.</i>	- Drilling is not at sufficient spacing to compile Mineral Resource estimation at this time 1 m intervals sampled downhole. - Samples were composited for initial assay. Composite Samples returning > 0.10 g/t Au over 4 metres, had individual 1 metre samples submitted for assay.
Orientation of data in relation to geological structure	<i>Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.</i> <i>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.</i>	Yundamindera RC Drilling. - The drilling is between -50 and -60 ° drilled towards 265 - 270° at Box Well West with a single hole drilled at -70. Orientations are at or within 10 degrees to the interpreted right angle of the strike of mineralisation. Dip of mineralisation is believed to be at 60-70 degrees to the E or ENE - Drillhole surveys indicate holes deviate and surveys are undertaken at approximately 30m or 60m intervals downhole. A stainless steel head rod is used for each hole - It is unknown if there is a bias introduced by the drilling direction.
Sample security	<i>The measures taken to ensure sample security.</i>	- All RC samples submitted to the laboratory are collected directly from the splitter with the sample bag tied. During sample collection for all holes a staff member is always present. Samples are delivered to the laboratory by company staff. 1M Sample bags are kept on drill site until results of 4 m composite assays are completed. - Assay pulps are recovered from laboratory and stored in locked storage sheds
Audits or reviews	<i>The results of any audits or reviews of sampling techniques and data.</i>	There have been no audits or reviews of sampling techniques and data.

Section 2 Reporting of Exploration Results

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

Criteria	JORC Code explanation	Commentary
<i>Mineral tenement and land tenure status</i>	- 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.	Yundamindera RC Drilling. - Drilling is on a tenement solely held by Hawthorn Resource - There are no known issues and the tenements are in good standing
<i>Exploration done by other parties</i>	Acknowledgment and appraisal of exploration by other parties.	Yundamindera RC Drilling. - The Box Well West tenements were soil sampled by AngloGold Australia, WMC and Delta Gold between 1986 – 2000. - Some initial anomalous RC results were reported from the Coffey Bore region 7.5 km southeast of Box Well West - Targets were RAB drilled by Hawthorn in late 2014. Follow-up RC programs were drilled in April, July and August 2015.
<i>Geology</i>	Deposit type, geological setting and style of mineralisation.	Yundamindera RC Drilling Locally the geology consists of intermediate schists and igneous intrusives adjacent to sediments. Basaltic andesite, felsic volcanics and volcanoclastics trend in a north west- south east direction. The northern tenements are dominated by interbedded undifferentiated sediments and andesite. Differentiated doleritic sills intrude into conglomeritic and polymictic sands stones towards the east of the tenements. Interbedded ultramafic, peridotite-bearing intrusives and dolerite form a distinctive north-west trend in along the west of the tenements. These lithologies can be overlain by Cenozoic ferruginous clay, colluvium and silts. Several significant drainage systems in the licence are associated with alluvium, clay, silt and sand A key feature of several deposits in the area is the close association of

Criteria	JORC Code explanation	Commentary
		gold mineralisation on the margins of – if not outright hosted by – syenitic porphyries, which has been demonstrated in the Coffey Bore area of Hawthorn's tenement E39/1295, and now in the Box Well West area of tenement E39/1292. The area between these two prospects (7.5 km along strike) remains a prime target for exploration.
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 length. - 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.	All RC drillholes have been reported in Appendix 1.
Data aggregation methods	- 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. - 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.	- Intervals reported are general greater than 2.00 gram x metres – unless geologically significant - Intervals lowercut 0.30 g/t Au and with <3.0 metres of internal waste <0.30 g/t Au.
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 drill hole 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 (eg 'down hole length, true width not known').	Down hole lengths reported – true widths are estimated at approximately 80-90% of downhole reported width.

Criteria	JORC Code explanation	Commentary
<i>Diagrams</i>	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.	Refer to Figures 3-4 in the body of the report
<i>Balanced reporting</i>	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.	Not applicable as all significant grade intervals are reported
<i>Other substantive exploration data</i>	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.	Two rounds of SAM (Sub Audio Magnetics) Surveys have been carried out at Box Well West since July 2015 covering the main target zone and strike extensions to the North and South. A total of 138 line kilometres of data collected.
<i>Further work</i>	- The nature and scale of planned further work (eg 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.	Yundamindera RC Drilling - Further RC drilling and some Diamond drilling is likely to occur in the upcoming quarter at Box Well West as significant gold mineralisation has been intercepted. - The position of the proposed hole collars is likely to be commercially sensitive.

Appendix 5B

Mining exploration entity and oil and gas exploration entity quarterly report

Introduced 01/07/96 Origin Appendix 8 Amended 01/07/97, 01/07/98, 30/09/01, 01/06/10, 17/12/10, 01/05/2013

Name of entity

HAWTHORN RESOURCES LIMITED

ABN

44 009 157 439

Quarter ended ("current quarter")

31 December 2015

Consolidated statement of cash flows

		Current quarter	Year to date
		\$A'000	(6 months) \$A'000
Cash flows related to operating activities			
1.1	Receipts from product sales and related debtors	-	-
1.2	Payments for (a) exploration & evaluation	(796)	(1,148)
	(b) development	-	-
	(c) production	-	-
	(d) administration	(423)	(743)
1.3	Dividends received	-	-
1.4	Interest and other items of a similar nature received	44	94
1.5	Interest and other costs of finance paid	-	-
1.6	Income taxes paid	-	-
1.7	Other (provide details if material)		
	- GST (Refundable)	-	99
Net Operating Cash Flows		(1,175)	(1,698)
Cash flows related to investing activities			
1.8	Payment for purchases of: (a) prospects	-	-
	(b) equity investments	-	-
	(c) other fixed assets	-	-
1.9	Proceeds from sale of: (a) prospects	-	-
	(b) equity investments	-	-
	(c) other fixed assets	-	-
1.10	Loans to other entities	-	-
1.11	Loans repaid by other entities	-	-
1.12	Other (provide details if material)	-	-
Net investing cash flows		-	-
1.13	Total operating and investing cash flows (carried forward)	(1,175)	(1,698)

+ See chapter 19 for defined terms.

Appendix 5B**Mining exploration entity and oil and gas exploration entity quarterly report**

1.13	Total operating and investing cash flows (brought forward)	(1,175)	(1,698)
	Cash flows related to financing activities		
1.14	Proceeds from issues of shares, options, etc.	-	-
1.15	Proceeds from sale of forfeited shares	-	-
1.16	Proceeds from borrowings	-	-
1.17	Repayment of borrowings	-	-
1.18	Dividends paid	-	-
1.19	Other (provide details if material)	-	-
	Net financing cash flows	-	-
	Net increase (decrease) in cash held	(1,175)	(1,698)
1.20	Cash at beginning of quarter/year to date	6,552	7,075
1.21	Exchange rate adjustments to item 1.20	-	-
1.22	Cash at end of quarter	5,377	5,377

Payments to directors of the entity, associates of the directors, related entities of the entity and associates of the related entities

		Current quarter \$A'000
1.23	Aggregate amount of payments to the parties included in item 1.2	236
1.24	Aggregate amount of loans to the parties included in item 1.10	-
1.25	Explanation necessary for an understanding of the transactions Directors fees & salary \$140,421 (Previous Quarter \$80,422) Fully Serviced Office facility rental \$86,625 (Previous Quarter \$86,625) Company requested Consulting Fees \$9,075 (Previous Quarter \$6,600)	

Non-cash financing and investing activities

- 2.1 Details of financing and investing transactions which have had a material effect on consolidated assets and liabilities but did not involve cash flows

- 2.2 Details of outlays made by other entities to establish or increase their share in projects in which the reporting entity has an interest

+ See chapter 19 for defined terms.

Financing facilities available

Add notes as necessary for an understanding of the position.

	Amount available \$A'000	Amount used \$A'000
3.1 Loan facilities		
3.2 Credit standby arrangements		

Estimated cash outflows for next quarter

	\$A'000
4.1 Exploration and evaluation	480
4.2 Development	-
4.3 Production	-
4.4 Administration	320
Total	800

Reconciliation of cash

Reconciliation of cash at the end of the quarter (as shown in the consolidated statement of cash flows) to the related items in the accounts is as follows.

	Current quarter \$A'000	Previous quarter \$A'000
5.1 Cash on hand and at bank	295	477
5.2 Deposits at call	5,082	6,075
5.3 Bank overdraft	-	-
5.4 Other (provide details)	-	-
Total: cash at end of quarter (item 1.22)	5,377	6,552

Changes in interests in mining tenements and petroleum tenements

	Tenement reference and location	Nature of interest (note (2))	Interest at beginning of quarter	Interest at end of quarter
6.1	Interests in mining tenements and petroleum tenements relinquished, reduced or lapsed	See Attached		
6.2	Interests in mining tenements and petroleum tenements acquired or increased	See Attached		

+ See chapter 19 for defined terms.

Appendix 5B**Mining exploration entity and oil and gas exploration entity quarterly report****Issued and quoted securities at end of current quarter**

Description includes rate of interest and any redemption or conversion rights together with prices and dates.

		Total number	Number quoted	Issue price per security (see note 3) (cents)	Amount paid up per security (see note 3) (cents)
7.1	Preference ⁺securities (description)	-	-	-	-
7.2	Changes during quarter				
	(a) Increases through issues	-	-	-	-
	(b) Decreases through returns of capital, buy-backs, redemptions	-	-	-	-
7.3	⁺Ordinary securities	171,263,644	171,263,644	-	-
7.4	Changes during quarter				
	(a) Increases through issues	-	-	-	-
	(b) Decreases through returns of capital, buy-backs	-	-	-	-
7.5	⁺Convertible debt securities (description)	-	-	-	-
7.6	Changes during quarter				
	(a) Increases through issues	-	-	-	-
	(b) Decreases through securities matured, converted	-	-	-	-
7.7	Options (description and conversion factor)	-	-	Exercise price -	Expiry date -
7.8	Issued during quarter	-	-	-	-
7.9	Exercised during quarter	-	-	-	-
7.10	Expired during quarter	-	-	-	-
7.11	Debentures (totals only)	-	-		
7.12	Unsecured notes (totals only)	-	-		

+ See chapter 19 for defined terms.

Compliance statement

- 1 This statement has been prepared under accounting policies which comply with accounting standards as defined in the Corporations Act or other standards acceptable to ASX (see note 5).
- 2 This statement does give a true and fair view of the matters disclosed.



Sign here: Date: 29/01/2016
(Company secretary)

Print name: MOURICE GARBUTT

Notes

- 1 The quarterly report provides a basis for informing the market how the entity's activities have been financed for the past quarter and the effect on its cash position. An entity wanting to disclose additional information is encouraged to do so, in a note or notes attached to this report.
- 2 The "Nature of interest" (items 6.1 and 6.2) includes options in respect of interests in mining tenements and petroleum tenements acquired, exercised or lapsed during the reporting period. If the entity is involved in a joint venture agreement and there are conditions precedent which will change its percentage interest in a mining tenement or petroleum tenement, it should disclose the change of percentage interest and conditions precedent in the list required for items 6.1 and 6.2.
- 3 **Issued and quoted securities** The issue price and amount paid up is not required in items 7.1 and 7.3 for fully paid securities.
- 4 The definitions in, and provisions of, *AASB 6: Exploration for and Evaluation of Mineral Resources* and *AASB 107: Statement of Cash Flows* apply to this report.
- 5 **Accounting Standards** ASX will accept, for example, the use of International Financial Reporting Standards for foreign entities. If the standards used do not address a topic, the Australian standard on that topic (if any) must be complied with.

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Hawthorn Resources Limited
ACN 009 157 439

CHANGES IN INTERESTS IN MINING TENEMENTS

6.1 Interests in Mining Tenements relinquished, reduced or lapsed

Tenement Reference	Nature of Interest [note (4)]	Interest at beginning of quarter	Interest at end of quarter
E 28/1612	Surrendered	30%	0%

6.2 Interests in Mining Tenements acquired Or increased

Tenement Reference	Nature of Interest [note (4)]	Interest at beginning of quarter	Interest at end of quarter

+ See chapter 19 for defined terms.

Interests in Mining Tenements

Disclosure in accordance with ASX Listing Rule 5.3.3.

Project / Tenement	Location	Interest at beginning of quarter	Interest at end of quarter	Joint Venture Partner / Farm-In Partner / Farm Out Partner
Melita	West Australia			
P 40/1218		100%	100%	
P 40/1219		100%	100%	
P 40/1220		100%	100%	
P 40/1221		100%	100%	
P 40/1222		100%	100%	
P 40/1223		100%	100%	
P 40/1224		100%	100%	
Pinjin East	West Australia			
E 31/760		100%	100%	
E 31/781		100%	100%	
E 31/782		100%	100%	
E 31/783		100%	100%	
E 31/882		100%	100%	
E 31/1049		100%	100%	
E 31/1050		100%	100%	
Triumph	West Australia			
M 31/481		100%	100%	
Whiteheads	West Australia			
E 27/175		100%	100%	
P 27/1769		100%	100%	
P 27/1770		100%	100%	
P 27/1771		100%	100%	
P 27/1772		100%	100%	
P 27/1773		100%	100%	
P 27/1784		100%	100%	
P 27/1785		100%	100%	
P 27/1786		100%	100%	
Yundamindera	West Australia			
E 39/1292		100%	100%	
E 39/1297		100%	100%	
E 39/1351		100%	100%	
E 39/1673		100%	100%	
E 39/1674		100%	100%	
E 39/1791		100%	100%	
E 39/1804		100%	100%	
E 39/1810		100%	100%	
P 39/4697		100%	100%	
P 39/4700		100%	100%	
P 39/4701		100%	100%	
P 39/4713		100%	100%	
P 39/4714		100%	100%	
P 39/4875		100%	100%	
P 39/4876		100%	100%	

+ See chapter 19 for defined terms.

Appendix 5B

Mining exploration entity and oil and gas exploration entity quarterly report

Mt Bevan Iron Ore Joint Venture	West Australia			
E 29/510 -I		40%	40%	Legacy Iron Ore Limited
Deep South Edjudina - Pinjin Joint Venture	West Australia			
E 39/1298		80%	80%	Avoca Resources Ltd / Metals X Ltd
E 39/1299		80%	80%	Avoca Resources Ltd / Metals X Ltd
E 39/1300		80%	80%	Avoca Resources Ltd / Metals X Ltd
E 39/1301		80%	80%	Avoca Resources Ltd / Metals X Ltd
E 39/1302		80%	80%	Avoca Resources Ltd / Metals X Ltd
P 39/4703		80%	80%	Avoca Resources Ltd / Metals X Ltd
P 39/4704		80%	80%	Avoca Resources Ltd / Metals X Ltd
P 39/4705		80%	80%	Avoca Resources Ltd / Metals X Ltd
P 39/4706		80%	80%	Avoca Resources Ltd / Metals X Ltd
P 39/4707		80%	80%	Avoca Resources Ltd / Metals X Ltd
P 39/4709		80%	80%	Avoca Resources Ltd / Metals X Ltd
Pinjin – Trouser Legs Joint Venture	West Australia			
G 31/4		70%	70%	GEL Resources
L 31/32		70%	70%	GEL Resources
L 31/65		70%	70%	GEL Resources
L 31/66		70%	70%	GEL Resources
L 31/68		70%	70%	GEL Resources
M 31/78		70%	70%	GEL Resources
M 31/79		70%	70%	GEL Resources
M 31/88		70%	70%	GEL Resources
M 31/113		70%	70%	GEL Resources
M 31/284		70%	70%	GEL Resources
Edjudina - Pinjin Joint Venture	West Australia			
E 31/789		80%	80%	Avoca Resources Ltd / Metals X Ltd
Yundamindera Edjudina - Pinjin Joint Venture	West Australia			
E 39/1294		80%	80%	Avoca Resources Ltd / Metals X Ltd
E 39/1295		80%	80%	Avoca Resources Ltd / Metals X Ltd
P 39/4695		80%	80%	Avoca Resources Ltd / Metals X Ltd
P 39/4698		80%	80%	Avoca Resources Ltd / Metals X Ltd
P 39/4699		80%	80%	Avoca Resources Ltd / Metals X Ltd
Yindana - Erayinia Joint Venture	West Australia			
E 28/1228		30%	30%	Black Raven Mining
Teutonic Bore Royalty *	West Australia			
E 37/902		0%	0%	Jabiru Metals
P 37/7351		0%	0%	Jabiru Metals
	* Royalty up to a maximum of \$1m subject to conditions			

+ See chapter 19 for defined terms.