## HIGH G RADE COPPER AND GOLD INTERSECTIONS CONTINUE AT BLUEBIRD



Figure 1 - Phase II RC drilling operations, Bluebird Prospect, Tennant Creek

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- Phase II RC drilling has returned more very high grade Tennant Creek style gold-bismuth-copper mineralisation
- New drill results include:
- BBRC0012: 31m at 2.48\% Cu, 0.21g/t Au and 0.03\% Bi from 116m Including 12 m at $4.41 \% \mathrm{Cu}, 0.23 \mathrm{~g} / \mathrm{t}$ Au and $0.02 \%$ Bi from 125 m And 1 m at $11.50 \% \mathrm{Cu}, 1.44 \mathrm{~g} / \mathrm{t}$ Au and $0.04 \%$ Bi from 142m
- BBRC0010: 11m at 0.98g/t Au, 0.68\% Cu and 0.03\% Bi from 77m Including 2 m at $3.54 \mathrm{~g} / \mathrm{t} \mathrm{Au}, 0.25 \% \mathrm{Cu}$ and $0.06 \%$ Bi from 77m
- Diamond drilling of five holes underway to penetrate through to the high grade gold target position
- New footwall zone of mineralisation identified, increasing prospectivity
- Mineralisation still remains open along strike and down dip
- Width and grades continue to increase
- First signs of significant primary copper sulphide mineralisation observed in diamond core


## PHASE II DRILLING RESULTS

The RC component of the phase II drilling program at Bluebird is complete and final assay results have been received. Four holes were completed and a further five holes were partially completed with the RC rig. The most significant intersections for phase II so far are:

- BBRC0012: 31m at 2.48\% Cu 0.21g/t, Au and 0.03\% Bi from 116m including 12 m at $4.41 \% \mathrm{Cu}, 0.23 \mathrm{~g} / \mathrm{t} \mathrm{Au}$ and $0.02 \% \mathrm{Bi}$ from 125m); and
- BBRC0010: 11 m at $0.98 \mathrm{~g} / \mathrm{t} \mathrm{Au}, 0.68 \% \mathrm{Cu}$ and $0.03 \% \mathrm{Bi}$ from 77m including 2 m at $3.54 \mathrm{~g} / \mathrm{t} \mathrm{Au}, 0.25 \% \mathrm{Cu}$ and $0.06 \% \mathrm{Bi}$ from 77 m

These very impressive results were achieved from four mostly lower priority holes of the program. Five of the highest priority holes for phase II have not yet been completed and are yet to penetrate the high grade gold target position, which is located further downhole from the copper-gold zone. Only four of the nine phase II holes, mostly located around the margins of the mineralised system, penetrated through the high grade gold target position and reached final planned depth. The other five unfinished holes will be completed by diamond drilling from the RC pre-collars. The Company looks forward to reporting the remainder of the results as soon as possible after diamond drilling is completed. Diamond drilling is completed for BBDD0006 and BBDD0004, but logging and assay results are awaited. A summary of all intersections in this phase II program, irrespective of grade, is included in Appendix 2 of this report.

During the program, the diamond drill rig experienced a number of mechanical issues which has led to a delay in the completion of the program. These issues resulting in poor performance of the diamond rig have now been largely resolved. A change of crew and a double shift have been implemented, resulting in much improved production levels. Drilling conditions continue to be challenging due to broken ground, but the team are working hard to overcome this issue.

Figure 2 shows the status of the drilling so far at the Bluebird Prospect. The successfully completed phase II holes are BBDD0003, BBDD0004, BBDD0006, BBRC0009, BBRC0010, and BBRC0011 (results awaited for BBDD0004 and BBDD0006). The remaining holes will be diamond tailed to penetrate through the lower contact, which is the anticipated high grade gold position. Diamond drilling is in progress.


Figure 2 - Long section of Bluebird, looking north, showing recent and historic drilling. Note BBIDD0004 is completed, but marked as in progress as sampling and logging are yet to be completed

## METAL ZONATION AND PROSPECTIVITY

The new results indicate that the metal zonation between copper and gold at Bluebird is more significant and complex than previously interpreted. The high grade copper intersected in BBRC0012 is located at a similar depth and close to the very high grade gold intersection in BBDD-2. However it should be noted that BBRC0012 is one of the holes yet to penetrate through the lower ironstone contact where the high grade gold is expected to be located (Figure 3).


BBDD0003 was originally planned as a RC pre-collar with a diamond tail, but was re-entered and completed by the RC rig due to the breakdown and delay with the diamond rig. The hole was extended well beyond designed depth as it intersected several zones of elevated copper and iron in the footwall hematite shale sequence. This significantly enhances prospectivity by demonstrating the potential for additional zones of footwall mineralisation not previously targeted or intersected by drilling at Bluebird (Figure 4). The remaining phase II holes will be pushed deeper to test for this potential footwall mineralisation.


## IRONSTO NE GEOMETRY AND ALTERATION

The new results indicate that the ironstone host geometry and the chlorite-hematite breccia alteration patterns are more complex than previously interpreted. Drilling is identifying significant changes in the ironstone composition from magnetite dominant, to jasper-quartz dominant, to hematite-chlorite dominant as new areas are drilled at Bluebird. These observations and their relationships with metal zonation and structural architecture are greatly enhancing the Company's understanding of the geometry and controls on mineralisation. Prospectivity is significantly improved as areas of favourable alteration and structural complexity are identified by drilling.

An important aspect of the ongoing changes in geological interpretation is demonstrated in Figure 5. BBRC0013 was designed to test the western edge of and possibly close off the mineralised system (also refer to Figure 2). The hole returned a much broader zone of strong copper mineralisation and thicker ironstone than anticipated. It was eventually terminated in strongly mineralised ironstone at least 20 m beyond the expected footwall contact of the ironstone, where the high grade gold zone is expected. This result may represent a blanket of supergene enriched mineralisation. BBRC0013 will be diamond tailed in the coming days. The supergene target will be further explored as part of the next drilling program.


Another observation from the recent drilling results is the spatial and geochemical relationship between mineralisation, alteration and a hematite rich shale unit (Hematite Shale). The Hematite Shale appears to be more common as deeper drilling tests the system. It is generally located below the footwall contact of the ironstone body, but is sometimes intermingled with the ironstone and the chlorite-hematite breccia. The Hematite Shale can be highly chloritehematite altered, and mineralised, assaying up to $25 \% \mathrm{Fe}$ and over $1 \% \mathrm{Cu}$ as observed in BBDD0003. Future drill programs will aim to penetrate through the hematite shale and fully explore its potential to host significant mineralisation.

An early interpretation was that the ironstone body was flattening in dip with depth has been proven not to be the case by further drilling on all cross sections other than 448420E. This apparent change in dip is still evident on the 448420E cross section, but it is possibly related to thrust fault offsets rather that changes in dip (Figure 6).


Figure 6 - Cross section at 448420 mE , looking west. Note the apparent change in dip, and BBRC0008 stopping in mineralised ironstone

## DISC OVERY OF PRIMARY SULPHIDES

Although sulphide minerals have been observed in much of the drilling at Bluebird, they have only been in minor concentrations. The mineralisation has generally been strongly weathered, with malachite being the dominant visible copper mineral. Figure 7 shows a HQ3 core sample from approximately 150m downhole of BBDD0004. This is the first significant amount of primary sulphide mineralisation intersected at Bluebird. Based on these observations there is good potential for significant primary sulphide mineralisation at depth.


Figure 7 - Strong primary sulphide mineralisation intersected by BBDD000.4

## DISC USSION AND FOLLO W-UP PLANS

Phase II diamond drilling is in progress and scheduled for completion by late October. Final assay results can be expected by the third week of November.

3D models will be re-interpreted and updated following the receipt of the final results. The aim of this work will be to generate an initial resource model, determine if a JORC 2012 mineral resource estimate can be published, and to initiate a high level scoping study for the project.

The diamond rig will remain in the Tennant Creek region to drill for other clients. If the results of Phase II are supportive, there are provisions for at least two deeper holes in the current Barkly Mine Management Plan. These holes have been pegged and prepared ready for drilling. The diamond rig will be able to return to drill these extra holes at very short notice.

## HIGH GRADE CHECKS

Due to the very high grades and coarse grained nature of the mineralisation, the laboratory continues to experience challenges with the repeatability of the assay results. Extra QAQC and checks have been required to ensure that the results are correct and repeatable before they can be released. This has been a reason for the delay in reporting of assay results, but is necessary given the exceptionally high grades identified in the program so far.

## BARKLY COPPER-GOLD PROJECT

Blaze International Limited is in a Farm-In Joint Venture Agreement with Meteoric Resources NL over the highly prospective Barkly Copper-Gold project. Blaze has the right to earn up to an $80 \%$ interest in the project. The project is located around 30 km east of the town of Tennant Creek in the Northern Territory (Figure 8).

The Bluebird copper-gold prospect at the Barkly Project comprises a 1.6 km -long gravity ridge open to the east where shallow geochemical drilling by Meteoric Resources identified a 600m-long copper anomaly, also open to the east. Previously reported follow-up drilling confirmed Tennant Creek-style copper-gold mineralisation associated with ironstone. The ironstones and mineralisation are often discordant to the host sediments and are considered to be a high-grade variant of the iron oxide-copper-gold (IOCG) deposits found in Proterozoic terranes in Australia.


Figure 8 - Location of the Barkly Cu-Au project

As part of the earn-in to the Barkly Project, Blaze has recently completed two RC and diamond drilling programs targeting copper-gold mineralisation at the Bluebird prospect. The Company has also completed a re interpretation of the geophysics and generated a series of magnetic and gravity targets within the Barkly JV area (Figure 9)

## DRILL RESULTS SUMMARY TABLE

Table 1 below contains summary intersections using nominal $0.2 \% \mathrm{Cu}$ and $0.2 \mathrm{~g} / \mathrm{t}$ Au cut-off grade. These cut-off grades were selected as they best represent the overall mineralised envelope at the Bluebird Prospect. The full set of results contained in Appendix 2 of this report.

| Hole ID | Length | Collar Location GDA94 |  |  | Dip | Azimuth | $\begin{gathered} \text { From } \\ \mathrm{m} \end{gathered}$ | $\begin{aligned} & \text { To } \\ & \text { m } \end{aligned}$ | $\begin{array}{\|c\|} \hline \text { Cu Grade } \\ \% \end{array}$ | Au Grade g/t | $\begin{array}{\|c} \hline \text { Bi Grade } \\ \% \end{array}$ | Width <br> m | Intersection Description |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | East | North | RL |  |  |  |  |  |  |  |  |  |
| BBDD-1 | 129.2 | 448400 | 7827075 | 328 | -60 | 0 | 89 | 92.8 | 1.26 | 0.08 | 0.01 | 3.8 | 3.8m @ 1.26\% Cu, 0.08g/t Au, 0.01\% Bi |
|  |  |  |  |  |  |  | 107.2 | 114 | 0.45 | 0.08 | 0.01 | 6.8 | $6.8 \mathrm{~m} @ 0.45 \% \mathrm{Cu}, 0.08 \mathrm{~g} / \mathrm{t} \mathrm{Au}, 0.01 \% \mathrm{Bi}$ |
| BBDD-2 | 198 | 448400 | 7827025 | 324 | -60 | 0 | 135.5 | 140 | 1.35 | 0.22 | 0.03 | 4.5 | $4.5 \mathrm{~m} @ 1.35 \% \mathrm{Cu}, 0.22 \mathrm{~g} / \mathrm{t} \mathrm{Au}, 0.03 \% \mathrm{Bi}$ |
|  |  |  |  |  |  |  | 157 | 177 | 0.61 | 8.17 | 0.22 | 20 | $20 \mathrm{~m} @ 8.17 \mathrm{~g} / \mathrm{t} \mathrm{Au}, 0.61 \% \mathrm{Cu}, 0.22 \% \mathrm{Bi}$ |
|  |  |  |  |  |  | includes | 169 | 173 | 0.66 | 37.90 | 0.80 | 4 | $4 \mathrm{~m} @ 37.90 \mathrm{~g} / \mathrm{t} \mathrm{Au}, 0.66 \% \mathrm{Cu}, 0.80 \% \mathrm{Bi}$ |
|  |  |  |  |  |  | and | 171 | 172 | 0.94 | 62.30 | 1.11 | 1 | 1 m @ $62.30 \mathrm{~g} / \mathrm{t} \mathrm{Au}, 0.94 \% \mathrm{Cu}, 1.11 \% \mathrm{Bi}$ |
| BBDD0003 | 251 | 448400 | 7826997 | 328 | -60 | 0 | 163 | 179 | 0.44 | 0.06 | 0.00 | 16 | $16 \mathrm{~m} @ 0.44 \% \mathrm{Cu}, 0.06 \mathrm{~g} / \mathrm{t} \mathrm{Au}$ |
|  |  |  |  |  |  |  | 188 | 195 | 0.64 | 0.07 | 0.02 | 7 | $7 \mathrm{~m} @ 0.64 \% \mathrm{Cu}, 0.07 \mathrm{~g} / \mathrm{t} \mathrm{Au}, 0.02 \% \mathrm{Bi}$ |
|  |  |  |  |  |  |  | 228 | 235 | 0.34 | 0.02 | 0.00 | 7 | $7 \mathrm{~m} @ 0.34 \% \mathrm{Cu}, 0.02 \mathrm{~g} / \mathrm{t} \mathrm{Au}$ |
| BBDD0004 | 240.7 | 448420 | 7827013 | 329 | -60 | 0 |  |  |  |  |  |  | In Progress |
| BBDD0005 | 50* | 448420 | 7827085 | 329 | -60 | 0 |  |  |  |  |  |  | In Progress |
| BBDD0006 | 113.2 | 448380 | 7827104 | 330 | -60 | 0 |  |  |  |  |  |  | In Progress |
| BBRC-1 | 100 | 448329 | 7827204 | 326 | -60 | 90 |  |  |  |  |  |  | Meteroric Resources Hole NSI |
| BBRC-2 | 137 | 448400 | 7827050 | 323 | -60 | 0 | 115 | 119 | 4.69 |  |  | 4 | Meteroric Resources Hole 4m @ $4.69 \% \mathrm{Cu}, 0.38 \mathrm{~g} / \mathrm{t} \mathrm{Au}, 170 \mathrm{~g} / \mathrm{t} \mathrm{Bi}$ |
| BBRC-3 | 155 | 448519 | 7827033 | 323 | -60 | 0 |  |  |  |  |  |  | Meteroric Resources Hole NSI |
| BBRC-4 | 77 | 448400 | 7827120 | 331 | -60 | 0 |  |  |  |  |  |  | Anomalous Zone 37-55m @ 213ppm Cu |
| BBRC-5 | 113 | 448400 | 7827097 | 328 | -60 | 0 | 62 | 87 | 1.89 | 0.27 | 0.03 | 25 | $25 \mathrm{~m} @ 1.89 \% \mathrm{Cu}, 0.27 \mathrm{~g} / \mathrm{t} \mathrm{Au}, 0.03 \% \mathrm{Bi}$ |
|  |  |  |  |  |  | includes | 66 | 68 | 2.98 | 0.42 | 0.12 | 2 | $2 \mathrm{~m} @ 2.98 \% \mathrm{Cu}, 0.42 \mathrm{~g} / \mathrm{t}$, 0.12\% Bi |
|  |  |  |  |  |  | and | 74 | 78 | 8.93 | 1.05 | 0.01 | 4 | $4 \mathrm{~m} @ 8.93 \% \mathrm{Cu}, 1.05 \mathrm{~g} / \mathrm{t} \mathrm{Au}, 0.01 \% \mathrm{Bi}$ |
|  |  |  |  |  |  | includes | 75 | 77 | 16.50 | 0.15 | 0.01 | 2 | $2 \mathrm{~m} @ 16.50 \% \mathrm{Cu}, 0.15 \mathrm{~g} / \mathrm{t} \mathrm{Au}, 0.01 \% \mathrm{Bi}$ |
|  |  |  |  |  |  | and | 75 | 76 | 24.20 | 0.21 | 0.01 | 1 | $1 \mathrm{~m} @ 24.2 \% \mathrm{Cu}, 0.21 \mathrm{~g} / \mathrm{t} \mathrm{Au}, 0.01 \% \mathrm{Bi}$ |
|  |  |  |  |  |  | and | 76 | 77 | 1.20 | 3.81 | 0.01 | 1 | $1 \mathrm{~m} @ 3.81 \mathrm{~g} / \mathrm{t} \mathrm{Au}, 1.20 \% \mathrm{Cu}, 0.01 \% \mathrm{Bi}$ |
| BBRC-6 | 203 | 448440 | 7827030 | 328 | -60 |  | 126 | 135 | 0.89 | 0.36 | 0.04 | 9 | $9 \mathrm{~m} @ 0.89 \% \mathrm{Cu}, 0.36 \mathrm{~g} / \mathrm{t} \mathrm{Au}, 0.04 \% \mathrm{Bi}$ |
|  |  |  |  |  |  | includes | 126 | 128 | 0.09 | 1.21 | 0.01 | 2 | $2 \mathrm{~m} @ 1.21 \mathrm{~g} / \mathrm{t}$ Au, $0.09 \% \mathrm{Cu}, 0.01 \% \mathrm{Bi}$ |
|  |  |  |  |  |  | and | 128 | 130 | 2.50 | 0.13 | 0.06 | 2 | $2 \mathrm{~m} @ 2.50 \% \mathrm{Cu}, 0.13 \mathrm{~g} / \mathrm{t} \mathrm{Au}, 0.06 \% \mathrm{Bi}$ |
|  |  |  |  |  |  |  | 146 | 149 | 0.80 | 1.57 | 0.02 | 3 | $3 \mathrm{~m} @ 1.57 \mathrm{~g} / \mathrm{t}$ Au, $0.80 \% \mathrm{Cu}, 0.02 \% \mathrm{Bi}$ |
|  |  |  |  |  |  |  | 154 | 160 | 0.05 | 0.56 | 0.03 | 6 | $6 \mathrm{~m} @ 0.56 \mathrm{~g} / \mathrm{t} \mathrm{Au}, 0.05 \% \mathrm{Cu}, 0.03 \% \mathrm{Bi}$ |
| BBRC-7 | 137 | 448360 | 7827081 | 328 | -60 | 0 | 87 | 90 | 0.38 | 0.69 | 0 | 3 | $3 \mathrm{~m} @ 0.69 \mathrm{~g} / \mathrm{t} \mathrm{Au}, 0.38 \% \mathrm{Cu}$ |
|  |  |  |  |  |  |  | 100 | 105 | 0.29 | 0.06 | 0 | 5 | $5 \mathrm{~m} @ 0.29 \% \mathrm{Cu}, 0.06 \mathrm{~g} / \mathrm{t} \mathrm{Au}$ |
| BBRC0008 | 140* | 448420 | 7827052 | 329 | -60 | 0 | 110 | 134 | 0.73 | 0.31 | 0.05 | 24 | 24m @ 0.73\% Cu, 0.31g/t Au, $0.05 \% \mathrm{Bi}$ |
|  |  |  |  |  |  | includes | 111 | 113 | 1.85 | 1.29 | 0.16 | 2 | $2 \mathrm{~m} @ 1.29 \mathrm{~g} / \mathrm{t} \mathrm{Au}, 1.85 \% \mathrm{Cu}, 0.16 \% \mathrm{Bi}$ |
|  |  |  |  |  |  | and | 121 | 123 | 2.72 | 0.04 | 0.01 | 2 | $2 \mathrm{~m} @ 2.72 \% \mathrm{Cu}, 0.04 \mathrm{~g} / \mathrm{t} \mathrm{Au}, 0.01 \% \mathrm{Bi}$ |
| BBRC0009 | 100 | 448420 | 7827106 | 330 | -60 | 0 | 73 | 76 | 0.43 | 0.04 | 0 | 3 | $3 \mathrm{~m} @ 0.43 \% \mathrm{Cu}, 0.04 \mathrm{~g} / \mathrm{t} \mathrm{Au}$ |
| BBRC0010 | 120 | 448380 | 7827082 | 329 | -60 | 0 | 77 | 88 | 0.68 | 0.98 | 0.03 | 11 | $11 \mathrm{~m} @ 0.98 \mathrm{~g} / \mathrm{t} \mathrm{Au}, 0.68 \% \mathrm{Cu}, 0.03 \% \mathrm{Bi}$ |
|  |  |  |  |  |  | Includes | 77 | 79 | 0.25 | 3.54 | 0.06 | 2 | $2 \mathrm{~m} @ 3.54 \mathrm{~g} / \mathrm{t} \mathrm{Au}, 0.25 \% \mathrm{Cu}, 0.06 \% \mathrm{Bi}$ |
| BBRC0011 | 245 | 448380 | 7827009 | 329 | -60 | 0 | 167 | 169 | 1.2 | 0.07 | 0.05 | 2 | 2m@ 1.20\% Cu, $0.07 \mathrm{~g} / \mathrm{t}$ Au |
|  |  |  |  |  |  |  | 206 | 209 | 0.35 | 0.08 | 0 | 3 | $3 \mathrm{~m} @ 0.35 \% \mathrm{Cu}, 0.08 \mathrm{~g} / \mathrm{t} \mathrm{Au}$ |
| BBRC0012 | 149* | 448380 | 7827049 | 329 | -60 | 0 | 116 | 147 | 2.48 | 0.21 | 0.03 | 31 | 31m @ 2.48\% Cu, 0.21g/t Au, $0.03 \% \mathrm{Bi}$ |
|  |  |  |  |  |  | includes | 125 | 137 | 4.41 | 0.23 | 0.02 | 12 | 12 m @ 4.41\% Cu, 0.23g/t Au, 0.02\% Bi |
|  |  |  |  |  |  | and | 142 | 143 | 11.5 | 1.44 | 0.04 | 1 | $1 \mathrm{~m} @ 11.50 \% \mathrm{Cu}, 1.44 \mathrm{~g} / \mathrm{t} \mathrm{Au}, 0.04 \% \mathrm{Bi}$ |
| BBRC0013 | 179* | 448360 | 7827040 | 329 | -60 | 0 | 124 | 130 | 1.44 | 0.05 | 0.01 | 6 | $6 \mathrm{~m} @ 1.44 \% \mathrm{Cu}, 1.05 \mathrm{~g} / \mathrm{t} \mathrm{Au}$ |
|  |  |  |  |  |  |  | 161 | 179 | 1.09 | 0.43 | 0.02 | 18 | $18 \mathrm{~m} @ 1.09 \% \mathrm{Cu}, 0.43 \mathrm{~g} / \mathrm{t} \mathrm{Au}, 0.02 \% \mathrm{Bi}$ |
|  |  |  |  |  |  | includes | 166 | 167 | 3.91 | 0.78 | 0.02 | 1 | 1 m @ 3.91\% Cu, 0.78g/t Au, 0.02\% Bi |

Table 1 - Drill hole intersection summary results, Bluebird prospect. Copper cut-off grade $0.2 \%$. Gold cut-off grade $0.2 \mathrm{~g} / \mathrm{t}$.

Reverse circulation ( $R C$ ) drilling samples are collected as 1 m composite samples through a cyclone which are cone split for analysis. Each 1 m split sample is analysed with a handheld XRF analyser. Anomalous 1 m split samples are submitted to Bureau Veritas Laboratory in Perth for more precise analysis. All other samples are sampled as 4 m composites by sampling with a spear and submitted to the laboratory. Diamond drill core is cut in half with an Almonte core saw and sampled on nominal 1m intervals for analysis.

All drill samples submitted to the laboratory are crushed and pulverised followed by a four acid total digest and multielement analysis by inductively coupled plasma optical emission spectrometry (ICP-OES) and inductively coupled plasma mass spectrometry (ICP-MS). Gold and precious metal analysis are completed by a 40 g fire assay collection and inductively coupled plasma optical emission spectrometry (ICP-OES). Sample preparation and analysis are undertaken at Bureau Veritas Laboratory in Darwin, NT and Perth, WA.


Figure 9 - Regional prospectivity map of the Barkly Cu-Au project. Blue lines show ironstone trends throughout the licence. Ironstones are prospective for other high-grade Tennant Creek style deposits. The white stars show the high priority exploration targets based on magnetic and gravity data interpretation

## Competent Person Declaration

The information in this report that relates to Exploration Results, Mineral Resources or Ore Reserves is based on information compiled by Luke Marshall, who is a Full time employee of Golden Deeps Limited, consulting to Blaze International Limited, and a member of The Australasian Institute of Geoscientists. Mr Marshall has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity that 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 Resource and Ore Reserves". Mr Marshall consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

## Forward-Looking Statements

This document may include forward-looking statements. Forward-looking statements include, but are not limited to, statements concerning Blaze International Limited"s planned exploration programme and other statements that are not historical facts. When used in this document, the words such as "could," "plan," "estimate," "expect," "intend," "may", "potential," "should," and similar expressions are forward-looking statements. Although Blaze International Limited believes that its expectations reflected in these forward-looking statements are reasonable, such statements involve risks and uncertainties and no assurance can be given that actual results will be consistent with these forward-looking statements.

## APPENDIX 1 - JORC 2012

JORC TABLE 1, Section 1 Sampling Techniques and Data
\(\left.$$
\begin{array}{|l|l|}\hline \text { Criteria } & \text { Explanation } \\
\hline \begin{array}{l}\text { Sampling } \\
\text { techniques }\end{array} & \begin{array}{l}\text { Exploration results are based on industry best practices, including sampling, assay methods, } \\
\text { and appropriate quality assurance quality control (QAQC) measures. } \\
\text { Reverse circulation (RC) drilling samples are collected as 1m composite samples through a } \\
\text { cyclone which are cone split for analysis. Each 1m bulk sample is analysed with a handheld } \\
\text { XRF analyser. Anomalous 1m split samples are submitted to Bureau Veritas Laboratory in } \\
\text { Perth for more precise analysis. } \\
\text { Core samples are taken as half NQ core and sampled on nominal 1m intervals, with sampling } \\
\text { breaks adjusted to geological boundaries where appropriate. }\end{array} \\
\hline \begin{array}{l}\text { All drill samples submitted to the laboratory are crushed and pulverised followed by a four } \\
\text { acid total digest and multi-element analysis by inductively coupled plasma optical emission } \\
\text { spectrometry (ICP-OES) and inductively coupled plasma mass spectrometry (ICP-MS). Gold } \\
\text { and precious metal analysis are completed by a 40g fire assay collection with inductively } \\
\text { coupled plasma optical emission spectrometry (ICP-OES) finish. Sample preparation and } \\
\text { analysis are undertaken at Bureau Veritas Laboratory in Darwin, NT and Perth, WA. }\end{array} \\
\hline \text { Drilling } \\
\text { techniques } & \begin{array}{l}\text { RC drilling is completed by a 5 1/4 inch diameter hole drilled with a face sampling hammer. } \\
\text { Diamond drillholes are collared using RC and switch to NQ2 approximately 30m before the } \\
\text { target position is intersected. All coordinates are quoted in GDA94 datum unless otherwise } \\
\text { stated. }\end{array} \\
\hline \text { Drill Sample } \\
\text { Recovery } & \begin{array}{l}\text { The quality of RC drilling samples is optimised by the use of cone splitters and the logging of } \\
\text { various criteria designed to record sample size, recovery and contamination, and use of field } \\
\text { duplicates to measure sample precision. }\end{array}
$$ <br>
The quality of diamond core samples is monitored by the logging of various geotechnical <br>

parameters, and logging of core recovery and competency.\end{array}\right\}\)| Sue quality of analytical results is monitored by the use of internal laboratory procedures |
| :--- |
| tegether with certified standards, duplicates and blanks and statistical analysis on a monthly |
| basis to ensure that results are representative and within acceptable ranges of accuracy and |
| precision. |


|  | standards and duplicates, and laboratory accuracy and precision. <br> Sample sizes are appropriate to the grain size of the material being sampled. |
| :---: | :---: |
| Quality of assay data and laboratory tests | The samples have been sorted, dried, crushed and pulverised. Primary preparation has been by crushing the whole sample. The samples have been split with a riffle splitter, if required, to obtain a 3 kg sub-fraction which has then been pulverised in a vibrating pulveriser. <br> The sample(s) have been digested with a mixture of four Acids including Hydrofluoric, Nitric, Hydrochloric and Perchloric Acids for a total digest. <br> Ag, As, Cd, Co, Bi, In, Mo, Sn, W have been determined by Inductively Coupled Plasma (ICP) Mass Spectrometry. <br> $\mathrm{Al}, \mathrm{Ca}, \mathrm{Cu}, \mathrm{Fe}, \mathrm{K}, \mathrm{Mg}, \mathrm{Mn}, \mathrm{Na}, \mathrm{Pb}, \mathrm{S}, \mathrm{V}, \mathrm{Zn}$ have been determined by Inductively Coupled Plasma (ICP) Optical Emission Spectrometry. <br> Au and PGEs are determined by a 40 g fire assay collection with Inductively Coupled Plasma (ICP) Optical Emission Spectrometry finish. <br> Field Standards and Blanks are inserted every 20 samples, Laboratory inserts its own standards and blanks at random intervals, but several are inserted per batch regardless of the size of the batch. |
| Verification of sampling and assaying | All significant intercepts are reviewed and confirmed by at least three senior personnel before release to the market. <br> No adjustments are made to the raw assay data. Data is imported directly to Datashed in raw original format. <br> All data are validated using the QAQCr reporter validation tool with Datashed. Visual validations are then carried out by senior staff members. |
| Location of data points | Holes are set out using a sub 20 mm RTDGPS. Collars are picked up by a licenced surveyor by RTDGPS on completion of the hole. |
| Data spacing and distribution | Data spacing and distribution used to determine geological continuity is dependent on the deposit type and style under consideration. Where a mineral resource is estimated, the appropriate data spacing and density is decided and reported by the competent person. <br> For mineral resource estimations, grades are estimated on composited assay data. The composite length is chosen based on the statistical average, usually 1m. Sample compositing is never applied to interval calculations reported to market. A sample length weighted interval is calculated as per industry best practice. |
| Orientation of data in relation to geological structure | Orientation of sampling is as unbiased as possible based on the dominating mineralised structures and interpretation of the deposit geometry. <br> If structure and geometry is not well understood, sampling is orientated to be perpendicular to the general strike of stratigraphy and/or regional structure. <br> If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this would be assessed and reported if considered material. <br> Drilling is at an angle to surface and drilled to maximise perpendicular intersection with the known interpretation of the strike of previously intersected mineralisation. |


| Sample security | All samples remain in the custody of company geologists, and are fully supervised from point <br> of field collection to transport depot drop-off. |
| :--- | :--- |
| Audits and <br> reviews | None yet undertaken for this dataset. |

## Section 2 Reporting of Exploration Results

| Criteria | Explanation |
| :---: | :---: |
| Mineral tenement and land tenure status | The Company controls one Exploration Licences, EL28620 in the Tennant Creek area. All tenure was in good standing at the time of reporting. There are no known impediments with respect to obtaining a licence to operate in the area. <br> The Company is earning an $80 \%$ interest in the EL28620. There are no known native title interests, historical sites, and wilderness or national park areas of environmental impediments. |
| Exploration done by other parties | Several other parties have undertaken exploration in the area between the 1930's through to 2007. These parties include Posgold and Meteoric Resources. |
| Geology | At Bluebird, copper-gold-bismuth mineralisation is concentrated in an east west striking ironstone host unit. The host unit cross cuts stratigraphy which is mostly made up of siltstone and greywacke sediments. |
| Drill hole Information | All relevant drillhole information is supplied in appendix 1 of the announcement. |
| Data aggregation methods | All exploration results are reported by a length weighted average. This ensures that short lengths of high grade material receive less weighting than longer lengths of low grade material. <br> No high grade cut-offs are applied. A nominal low grade cut-off of $0.2 \% \mathrm{Cu}$ and $0.2 \mathrm{~g} / \mathrm{t}$ Au are used with a maximum internal dilution of 5 m for reporting of results. These cut-off grades give the best representation of the overall mineralised envelope at Bluebird. |
| Relationship between mineralisation widths and intercept lengths | Mineralisation at Bluebird is interpreted to be striking at east west with a dip of -70 to -80 degrees towards the south. <br> All holes are drilled to be as perpendicular as practicable to the above orientation. |
| Diagrams | A comprehensive set of relevant diagrams are included in the body of the announcement. |
| Balanced reporting | All background available information is discussed in the body of the announcement. No data is excluded. Full drilling results for copper and gold assay information are shown in Appendix 2 of the report. |
| Further work | Plans for further work are outined in the body of the announcement. |

APPENDIX 2 - Detailed Drilling Laboratory Assay Results. BDL - Indicates results below assay detection limit

| Hole ID | Easting | Northing | RL | mFrom | mTo | Au ppm | Cu \% | Bi ppm |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| BBDD0003 | 448400 | 7826997 | 325 | 160 | 161 | BDL | 0.002 | 2.6 |
| BBDD0003 |  |  |  | 161 | 162 | BDL | 0.0012 | 1.4 |
| BBDD0003 |  |  |  | 162 | 163 | BDL | 0.0254 | 3.3 |
| BBDD0003 |  |  |  | 163 | 164 | 0.045 | 0.499 | 21.1 |
| BBDD0003 |  |  |  | 164 | 165 | 0.035 | 0.164 | 206 |
| BBDD0003 |  |  |  | 165 | 166 | 0.023 | 0.0146 | 13.6 |
| BBDD0003 |  |  |  | 166 | 167 | 0.06 | 0.0054 | 11 |
| BBDD0003 |  |  |  | 167 | 168 | 0.167 | 0.0736 | 139 |
| BBDD0003 |  |  |  | 168 | 169 | 0.343 | 1.08 | 188 |
| BBDD0003 |  |  |  | 169 | 170 | 0.189 | 0.287 | 127 |
| BBDD0003 |  |  |  | 170 | 171 | 0.012 | 0.095 | 23.5 |
| BBDD0003 |  |  |  | 171 | 172 | 0.005 | 0.478 | 38 |
| BBDD0003 |  |  |  | 172 | 173 | 0.005 | 0.302 | 27.1 |
| BBDD0003 |  |  |  | 173 | 174 | 0.012 | 0.906 | 27.3 |
| BBDD0003 |  |  |  | 174 | 175 | 0.026 | 1.19 | 30.4 |
| BBDD0003 |  |  |  | 175 | 176 | 0.001 | 0.252 | 7 |
| BBDD0003 |  |  |  | 176 | 177 | 0.026 | 0.411 | 21.4 |
| BBDD0003 |  |  |  | 177 | 178 | 0.016 | 1.15 | 156 |
| BBDD0003 |  |  |  | 178 | 179 | 0.033 | 0.206 | 37.8 |
| BBDD0003 |  |  |  | 179 | 180 | 0.001 | 0.0322 | 11.1 |
| BBDD0003 |  |  |  | 180 | 181 | BDL | 0.016 | 4.9 |
| BBDD0003 |  |  |  | 181 | 182 | BDL | 0.0052 | 2.5 |
| BBDD0003 |  |  |  | 182 | 183 | BDL | 0.005 | 2 |
| BBDD0003 |  |  |  | 183 | 184 | 0.001 | 0.0062 | 2.7 |
| BBDD0003 |  |  |  | 184 | 185 | 0.002 | 0.003 | 2.8 |
| BBDD0003 |  |  |  | 185 | 186 | 0.002 | 0.013 | 4.5 |
| BBDD0003 |  |  |  | 186 | 187 | BDL | 0.0066 | 6.6 |
| BBDD0003 |  |  |  | 187 | 188 | BDL | 0.0072 | 3.2 |
| BBDD0003 |  |  |  | 188 | 189 | 0.201 | 0.774 | 1160 |
| BBDD0003 |  |  |  | 189 | 190 | 0.057 | 0.886 | 100 |
| BBDD0003 |  |  |  | 190 | 191 | 0.017 | 0.308 | 55.2 |
| BBDD0003 |  |  |  | 191 | 192 | 0.065 | 1.01 | 91.3 |
| BBDD0003 |  |  |  | 192 | 193 | 0.068 | 0.551 | 17.6 |
| BBDD0003 |  |  |  | 193 | 194 | 0.01 | 0.21 | 9.1 |
| BBDD0003 |  |  |  | 194 | 195 | 0.056 | 0.726 | 65.6 |
| BBDD0003 |  |  |  | 195 | 196 | 0.027 | 0.126 | 64.3 |
| BBDD0003 |  |  |  | 196 | 197 | 0.004 | 0.048 | 19.7 |
| BBDD0003 |  |  |  | 197 | 198 | 0.016 | 0.0782 | 75.4 |
| BBDD0003 |  |  |  | 198 | 199 | 0.005 | 0.0706 | 13.2 |
| BBDD0003 |  |  |  | 199 | 200 | 0.123 | 0.753 | 53.8 |


| BBDD0003 |  |  |  | 200 | 201 | 0.048 | 0.323 | 110 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| BBDD0003 |  |  |  | 201 | 202 | 0.002 | 0.0062 | 29.2 |
| BBDD0003 |  |  |  | 202 | 203 | 0.143 | 0.0374 | 204 |
| BBDD0003 |  |  |  | 203 | 204 | 0.774 | 0.396 | 1830 |
| BBDD0003 |  |  |  | 204 | 205 | 0.065 | 0.0704 | 130 |
| BBDD0003 |  |  |  | 205 | 206 | 0.024 | 0.0366 | 202 |
| BBDD0003 |  |  |  | 206 | 207 | 0.015 | 0.0326 | 89.5 |
| BBDD0003 |  |  |  | 207 | 208 | 0.009 | 0.02 | 37.5 |
| BBDD0003 |  |  |  | 208 | 209 | 0.03 | 0.138 | 111 |
| BBDD0003 |  |  |  | 209 | 210 | 0.249 | 0.099 | 1810 |
| BBDD0003 |  |  |  | 210 | 211 | 0.054 | 0.0998 | 210 |
| BBDD0003 |  |  |  | 211 | 212 | 0.049 | 0.118 | 54.5 |
| BBDD0003 |  |  |  | 212 | 213 | 0.005 | 0.0114 | 10.5 |
| BBDD0003 |  |  |  | 213 | 214 | 0.018 | 0.108 | 39.2 |
| BBDD0003 |  |  |  | 214 | 215 | BDL | 0.008 | 21.1 |
| BBDD0003 |  |  |  | 215 | 216 | 0.004 | 0.182 | 72 |
| BBDD0003 |  |  |  | 216 | 217 | 0.006 | 0.147 | 29.5 |
| BBDD0003 |  |  |  | 217 | 218 | 0.006 | 0.0848 | 13.5 |
| BBDD0003 |  |  |  | 218 | 219 | 0.015 | 0.135 | 10.9 |
| BBDD0003 |  |  |  | 219 | 220 | BDL | 0.022 | 14.7 |
| BBDD0003 |  |  |  | 220 | 221 | 0.002 | 0.0032 | 2.9 |
| BBDD0003 |  |  |  | 221 | 222 | BDL | 0.0024 | 7 |
| BBDD0003 |  |  |  | 222 | 223 | BDL | 0.0016 | 9.3 |
| BBDD0003 |  |  |  | 223 | 224 | BDL | 0.0012 | 16.1 |
| BBDD0003 |  |  |  | 224 | 225 | BDL | 0.0014 | 2.9 |
| BBDD0003 |  |  |  | 225 | 226 | BDL | 0.0022 | 6.8 |
| BBDD0003 |  |  |  | 226 | 227 | BDL | 0.0016 | 4.3 |
| BBDD0003 |  |  |  | 227 | 228 | 0.002 | 0.0284 | 10.5 |
| BBDD0003 |  |  |  | 228 | 229 | 0.007 | 1.05 | 66.2 |
| BBDD0003 |  |  |  | 229 | 230 | 0.038 | 0.334 | 51.1 |
| BBDD0003 |  |  |  | 230 | 231 | 0.004 | 0.119 | 56.6 |
| BBDD0003 |  |  |  | 231 | 232 | 0.001 | 0.0444 | 30.4 |
| BBDD0003 |  |  |  | 232 | 233 | 0.004 | 0.15 | 61.1 |
| BBDD0003 |  |  |  | 233 | 234 | 0.017 | 0.445 | 109 |
| BBDD0003 |  |  |  | 234 | 235 | 0.066 | 0.244 | 114 |
| BBDD0003 |  |  |  | 235 | 236 | 0.008 | 0.127 | 54.7 |
| BBDD0003 |  |  |  | 236 | 237 | 0.003 | 0.132 | 11.6 |
| BBDD0003 |  |  |  | 237 | 238 | 0.006 | 0.0878 | 8.5 |
| BBDD0003 |  |  |  | 238 | 239 | 0.002 | 0.0464 | 6.8 |
| BBDD0003 |  |  |  | 239 | 240 | 0.001 | 0.0078 | 3.2 |
| BBRC0008 | 448420 | 7827052 | 325 | 99 | 100 | 0.023 | 0.0384 | 14.9 |
| BBRC0008 |  |  |  | 100 | 101 | 0.108 | 0.0764 | 40.6 |
| BBRC0008 |  |  |  | 101 | 102 | 0.062 | 0.096 | 53.4 |
| BBRC0008 |  |  |  | 102 | 103 | 0.105 | 0.0834 | 38.4 |


| BBRC0008 |  |  |  | 103 | 104 | 0.012 | 0.183 | 120 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| BBRC0008 |  |  |  | 104 | 105 | 0.028 | 0.0744 | 34.5 |
| BBRC0008 |  |  |  | 105 | 106 | 0.01 | 0.064 | 12.9 |
| BBRC0008 |  |  |  | 106 | 107 | 0.012 | 0.062 | 13.2 |
| BBRC0008 |  |  |  | 107 | 108 | 0.05 | 0.201 | 54.4 |
| BBRC0008 |  |  |  | 108 | 109 | 0.143 | 0.155 | 33.4 |
| BBRC0008 |  |  |  | 109 | 110 | 0.193 | 0.148 | 126 |
| BBRC0008 |  |  |  | 110 | 111 | 0.485 | 0.156 | 737 |
| BBRC0008 |  |  |  | 111 | 112 | 0.358 | 2.52 | 1690 |
| BBRC0008 |  |  |  | 112 | 113 | 2.22 | 1.18 | 1580 |
| BBRC0008 |  |  |  | 113 | 114 | 0.201 | 0.252 | 921 |
| BBRC0008 |  |  |  | 114 | 115 | 1.5 | 0.247 | 2260 |
| BBRC0008 |  |  |  | 115 | 116 | 0.662 | 0.225 | 1450 |
| BBRC0008 |  |  |  | 116 | 117 | 0.653 | 0.165 | 1310 |
| BBRC0008 |  |  |  | 117 | 118 | 0.602 | 0.114 | 561 |
| BBRC0008 |  |  |  | 118 | 119 | 0.378 | 0.158 | 456 |
| BBRC0008 |  |  |  | 119 | 120 | 0.126 | 0.137 | 131 |
| BBRC0008 |  |  |  | 120 | 121 | 0.068 | 0.841 | 138 |
| BBRC0008 |  |  |  | 121 | 122 | 0.044 | 2.44 | 152 |
| BBRC0008 |  |  |  | 122 | 123 | 0.036 | 3 | 150 |
| BBRC0008 |  |  |  | 123 | 124 | 0.059 | 0.63 | 182 |
| BBRC0008 |  |  |  | 124 | 125 | 0.022 | 1.09 | 130 |
| BBRC0008 |  |  |  | 125 | 126 | 0.022 | 0.486 | 59.3 |
| BBRC0008 |  |  |  | 126 | 127 | 0.024 | 0.603 | 97.1 |
| BBRC0008 |  |  |  | 127 | 128 | 0.02 | 0.386 | 111 |
| BBRC0008 |  |  |  | 128 | 129 | 0.012 | 0.203 | 83.9 |
| BBRC0008 |  |  |  | 129 | 130 | 0.007 | 0.242 | 50 |
| BBRC0008 |  |  |  | 130 | 131 | 0.013 | 0.251 | 56.1 |
| BBRC0008 |  |  |  | 131 | 132 | 0.009 | 0.675 | 88 |
| BBRC0008 |  |  |  | 132 | 133 | 0.018 | 0.752 | 112 |
| BBRC0008 |  |  |  | 133 | 134 | 0.01 | 0.837 | 175 |
| BBRC0008 |  |  |  | 134 | 135 | 0.004 | 0.174 | 78 |
| BBRC0008 |  |  |  | 135 | 136 | 0.002 | 0.143 | 109 |
| BBRC0008 |  |  |  | 136 | 137 | 0.004 | 0.11 | 66.2 |
| BBRC0008 |  |  |  | 137 | 138 | 0.002 | 0.0612 | 48.1 |
| BBRC0008 |  |  |  | 138 | 139 | BDL | 0.0868 | 83.6 |
| BBRC0008 |  |  |  | 139 | 140 | BDL | 0.078 | 30.5 |
| BBRC0008 |  |  |  | 96 | 97 | 0.001 | 0.003 | 2.4 |
| BBRC0008 |  |  |  | 97 | 98 | BDL | 0.0022 | 2 |
| BBRC0008 |  |  |  | 98 | 99 | 0.002 | 0.0232 | 7.3 |
| BBRC0009 | 448420 | 7827106 | 325 | 44 | 45 | BDL | 0.0022 | 4.3 |
| BBRC0009 |  |  |  | 45 | 46 | 0.001 | 0.0048 | 14.2 |
| BBRC0009 |  |  |  | 46 | 47 | 0.012 | 0.0288 | 112 |
| BBRC0009 |  |  |  | 47 | 48 | 0.007 | 0.023 | 114 |


| BBRC0009 |  |  |  | 48 | 49 | 0.009 | 0.0286 | 66.2 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| BBRC0009 |  |  |  | 49 | 50 | 0.01 | 0.0236 | 47.4 |
| BBRC0009 |  |  |  | 50 | 51 | 0.009 | 0.055 | 21.9 |
| BBRC0009 |  |  |  | 51 | 52 | 0.005 | 0.128 | 12.5 |
| BBRC0009 |  |  |  | 52 | 53 | 0.002 | 0.12 | 24.8 |
| BBRC0009 |  |  |  | 53 | 54 | 0.01 | 0.124 | 26.3 |
| BBRC0009 |  |  |  | 54 | 55 | 0.007 | 0.0608 | 27.1 |
| BBRC0009 |  |  |  | 55 | 56 | 0.009 | 0.04 | 22.6 |
| BBRC0009 |  |  |  | 56 | 57 | 0.003 | 0.0574 | 18 |
| BBRC0009 |  |  |  | 57 | 58 | 0.063 | 0.0494 | 43.5 |
| BBRC0009 |  |  |  | 58 | 59 | 0.041 | 0.0288 | 31.1 |
| BBRC0009 |  |  |  | 59 | 60 | 0.037 | 0.0182 | 33.4 |
| BBRC0009 |  |  |  | 60 | 61 | 0.195 | 0.0096 | 20.7 |
| BBRC0009 |  |  |  | 61 | 62 | 0.027 | 0.0078 | 40.1 |
| BBRC0009 |  |  |  | 62 | 63 | 0.011 | 0.0076 | 129 |
| BBRC0009 |  |  |  | 63 | 64 | 0.026 | 0.0104 | 547 |
| BBRC0009 |  |  |  | 64 | 65 | 0.016 | 0.0184 | 1950 |
| BBRC0009 |  |  |  | 65 | 66 | 0.005 | 0.0208 | 103 |
| BBRC0009 |  |  |  | 66 | 67 | 0.013 | 0.0216 | 106 |
| BBRC0009 |  |  |  | 67 | 68 | 0.018 | 0.0078 | 41 |
| BBRC0009 |  |  |  | 68 | 69 | 0.03 | 0.0046 | 88.7 |
| BBRC0009 |  |  |  | 69 | 70 | 0.018 | 0.0078 | 68.1 |
| BBRC0009 |  |  |  | 70 | 71 | 0.016 | 0.0176 | 558 |
| BBRC0009 |  |  |  | 71 | 72 | 0.008 | 0.0552 | 374 |
| BBRC0009 |  |  |  | 72 | 73 | 0.156 | 0.115 | 60.8 |
| BBRC0009 |  |  |  | 73 | 74 | 0.051 | 0.458 | 37.6 |
| BBRC0009 |  |  |  | 74 | 75 | 0.03 | 0.484 | 60.3 |
| BBRC0009 |  |  |  | 75 | 76 | 0.045 | 0.337 | 25.1 |
| BBRC0009 |  |  |  | 76 | 77 | 0.012 | 0.0906 | 24.6 |
| BBRC0009 |  |  |  | 77 | 78 | 0.039 | 0.0946 | 13.5 |
| BBRC0009 |  |  |  | 78 | 79 | 0.036 | 0.0438 | 7.8 |
| BBRC0009 |  |  |  | 79 | 80 | 0.001 | 0.0256 | 6.2 |
| BBRC0010 | 448380 | 7827082 | 325 | 76 | 77 | 0.001 | 0.0166 | 2.5 |
| BBRC0010 |  |  |  | 77 | 78 | 3.56 | 0.218 | 761 |
| BBRC0010 |  |  |  | 78 | 79 | 3.52 | 0.286 | 462 |
| BBRC0010 |  |  |  | 79 | 80 | 0.571 | 0.753 | 278 |
| BBRC0010 |  |  |  | 80 | 81 | 0.502 | 0.465 | 158 |
| BBRC0010 |  |  |  | 81 | 82 | 0.982 | 0.451 | 204 |
| BBRC0010 |  |  |  | 82 | 83 | 0.319 | 0.332 | 93.9 |
| BBRC0010 |  |  |  | 83 | 84 | 0.337 | 0.333 | 58.6 |
| BBRC0010 |  |  |  | 84 | 85 | 0.224 | 0.679 | 61.5 |
| BBRC0010 |  |  |  | 85 | 86 | 0.313 | 1.2 | 145 |
| BBRC0010 |  |  |  | 86 | 87 | 0.056 | 0.136 | 279 |
| BBRC0010 |  |  |  | 87 | 88 | 0.427 | 2.67 | 648 |


| BBRC0010 |  |  |  | 88 | 89 | 0.046 | 0.129 | 14.1 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| BBRC0010 |  |  |  | 89 | 90 | 0.042 | 0.14 | 14.6 |
| BBRC0010 |  |  |  | 90 | 91 | 0.04 | 0.117 | 17 |
| BBRC0010 |  |  |  | 91 | 92 | 0.011 | 0.0926 | 3.6 |
| BBRC0010 |  |  |  | 92 | 93 | 0.01 | 0.0232 | 3.6 |
| BBRC0010 |  |  |  | 93 | 94 | 0.022 | 0.0148 | 8 |
| BBRC0010 |  |  |  | 94 | 95 | 0.017 | 0.0034 | 4.8 |
| BBRC0010 |  |  |  | 95 | 96 | 0.116 | 0.018 | 27.6 |
| BBRC0011 | 448380 | 7827009 | 325 | 163 | 164 | 0.002 | 0.004 | 3.2 |
| BBRC0011 |  |  |  | 164 | 165 | BDL | 0.0058 | 4.1 |
| BBRC0011 |  |  |  | 165 | 166 | BDL | 0.006 | 4.7 |
| BBRC0011 |  |  |  | 166 | 167 | 0.011 | 0.0086 | 7 |
| BBRC0011 |  |  |  | 167 | 168 | 0.087 | 2.09 | 528 |
| BBRC0011 |  |  |  | 168 | 169 | 0.05 | 0.316 | 492 |
| BBRC0011 |  |  |  | 169 | 170 | 0.035 | 0.0544 | 21.9 |
| BBRC0011 |  |  |  | 170 | 171 | 0.008 | 0.0262 | 16.1 |
| BBRC0011 |  |  |  | 171 | 172 | 0.033 | 0.0174 | 16.9 |
| BBRC0011 |  |  |  | 192 | 193 | 0.004 | 0.052 | 40.9 |
| BBRC0011 |  |  |  | 193 | 194 | 0.004 | 0.099 | 15.1 |
| BBRC0011 |  |  |  | 194 | 195 | 0.004 | 0.063 | 19.8 |
| BBRC0011 |  |  |  | 195 | 196 | BDL | 0.0274 | 12.5 |
| BBRC0011 |  |  |  | 196 | 197 | 0.001 | 0.012 | 7.1 |
| BBRC0011 |  |  |  | 197 | 198 | 0.007 | 0.0254 | 5.5 |
| BBRC0011 |  |  |  | 198 | 199 | 0.014 | 0.07 | 12.4 |
| BBRC0011 |  |  |  | 199 | 200 | 0.011 | 0.126 | 26.3 |
| BBRC0011 |  |  |  | 200 | 201 | 0.051 | 0.186 | 42.1 |
| BBRC0011 |  |  |  | 201 | 202 | 0.117 | 0.117 | 255 |
| BBRC0011 |  |  |  | 202 | 203 | 0.089 | 0.21 | 338 |
| BBRC0011 |  |  |  | 203 | 204 | 0.024 | 0.0334 | 179 |
| BBRC0011 |  |  |  | 204 | 205 | 0.006 | 0.161 | 100 |
| BBRC0011 |  |  |  | 205 | 206 | 0.014 | 0.118 | 81.6 |
| BBRC0011 |  |  |  | 206 | 207 | 0.073 | 0.449 | 104 |
| BBRC0011 |  |  |  | 207 | 208 | 0.051 | 0.121 | 61.9 |
| BBRC0011 |  |  |  | 208 | 209 | 0.118 | 0.491 | 40 |
| BBRC0011 |  |  |  | 209 | 210 | 0.021 | 0.113 | 14.4 |
| BBRC0011 |  |  |  | 210 | 211 | 0.01 | 0.115 | 24.4 |
| BBRC0011 |  |  |  | 211 | 212 | 0.007 | 0.0584 | 18.2 |
| BBRC0012 | 448380 | 7827082 | 325 | 107 | 108 | BDL | 0.0056 | 1.4 |
| BBRC0012 |  |  |  | 108 | 109 | BDL | 0.0026 | 1.7 |
| BBRC0012 |  |  |  | 109 | 110 | BDL | 0.004 | 2.5 |
| BBRC0012 |  |  |  | 110 | 111 | 0.001 | 0.0172 | 3.5 |
| BBRC0012 |  |  |  | 111 | 112 | BDL | 0.0176 | 7.6 |
| BBRC0012 |  |  |  | 112 | 113 | 0.003 | 0.029 | 8 |
| BBRC0012 |  |  |  | 113 | 114 | 0.001 | 0.0188 | 9.8 |


| BBRC0012 |  |  |  | 114 | 115 | 0.002 | 0.0178 | 14.2 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| BBRC0012 |  |  |  | 115 | 116 | 0.002 | 0.0588 | 11.7 |
| BBRC0012 |  |  |  | 116 | 117 | 0.159 | 0.401 | 959 |
| BBRC0012 |  |  |  | 117 | 118 | 0.149 | 1.69 | 218 |
| BBRC0012 |  |  |  | 118 | 119 | 0.096 | 0.856 | 167 |
| BBRC0012 |  |  |  | 119 | 120 | 0.007 | 0.104 | 14.2 |
| BBRC0012 |  |  |  | 120 | 121 | 0.055 | 0.362 | 781 |
| BBRC0012 |  |  |  | 121 | 122 | 0.096 | 0.663 | 912 |
| BBRC0012 |  |  |  | 122 | 123 | 0.229 | 1.52 | 1350 |
| BBRC0012 |  |  |  | 123 | 124 | 0.147 | 1.09 | 1010 |
| BBRC0012 |  |  |  | 124 | 125 | 0.049 | 0.62 | 130 |
| BBRC0012 |  |  |  | 125 | 126 | 0.224 | 5.84 | 381 |
| BBRC0012 |  |  |  | 126 | 127 | 0.054 | 3.11 | 62.3 |
| BBRC0012 |  |  |  | 127 | 128 | 0.091 | 6.2 | 182 |
| BBRC0012 |  |  |  | 128 | 129 | 0.649 | 11.1 | 515 |
| BBRC0012 |  |  |  | 129 | 130 | 0.381 | 3.7 | 246 |
| BBRC0012 |  |  |  | 130 | 131 | 0.341 | 3.19 | 261 |
| BBRC0012 |  |  |  | 131 | 132 | 0.216 | 2.01 | 181 |
| BBRC0012 |  |  |  | 132 | 133 | 0.086 | 0.919 | 75.9 |
| BBRC0012 |  |  |  | 133 | 134 | 0.215 | 2.36 | 49.3 |
| BBRC0012 |  |  |  | 134 | 135 | 0.241 | 7.92 | 123 |
| BBRC0012 |  |  |  | 135 | 136 | 0.073 | 1.79 | 87.2 |
| BBRC0012 |  |  |  | 136 | 137 | 0.193 | 4.77 | 302 |
| BBRC0012 |  |  |  | 137 | 138 | 0.03 | 1.05 | 82.4 |
| BBRC0012 |  |  |  | 138 | 139 | 0.005 | 0.169 | 46.3 |
| BBRC0012 |  |  |  | 139 | 140 | 0.005 | 0.114 | 37.1 |
| BBRC0012 |  |  |  | 140 | 141 | 0.058 | 0.743 | 31.7 |
| BBRC0012 |  |  |  | 141 | 142 | 0.025 | 0.201 | 43.5 |
| BBRC0012 |  |  |  | 142 | 143 | 1.44 | 11.5 | 383 |
| BBRC0012 |  |  |  | 143 | 144 | 0.669 | 1.51 | 230 |
| BBRC0012 |  |  |  | 144 | 145 | 0.405 | 0.867 | 168 |
| BBRC0012 |  |  |  | 145 | 146 | 0.085 | 0.38 | 113 |
| BBRC0012 |  |  |  | 146 | 147 | 0.037 | 0.226 | 104 |
| BBRC0012 |  |  |  | 147 | 148 | 0.037 | 0.199 | 81.8 |
| BBRC0012 |  |  |  | 148 | 149 | 0.011 | 0.063 | 46.3 |
| BBRC0013 | 448360 | 7827040 | 325 | 124 | 125 | 0.13 | 2.38 | 348 |
| BBRC0013 |  |  |  | 125 | 126 | 0.047 | 2.7 | 178 |
| BBRC0013 |  |  |  | 126 | 127 | 0.021 | 0.958 | 52.6 |
| BBRC0013 |  |  |  | 127 | 128 | 0.023 | 0.473 | 27.6 |
| BBRC0013 |  |  |  | 128 | 129 | 0.033 | 1.07 | 23 |
| BBRC0013 |  |  |  | 129 | 130 | 0.044 | 1.08 | 18.5 |
| BBRC0013 |  |  |  | 130 | 131 | 0.006 | 0.111 | 3.7 |
| BBRC0013 |  |  |  | 131 | 132 | 0.008 | 0.175 | 3.4 |
| BBRC0013 |  |  |  | 132 | 133 | 0.018 | 0.273 | 9 |



| BBRC0013 |  |  |  | 177 | 178 | 0.039 | 0.397 | 41.4 |
| :--- | :--- | :--- | :--- | ---: | ---: | ---: | ---: | ---: |
| BBRC0013 |  |  |  | 178 | 179 | 0.038 | 0.283 |  |

