ASX Announcement/Press Release
Zenith Minerals Limited (ASX:ZNC)
29 August 2023

# SIGNIFICANT WIDTHS OF GOLD AND SILVER MINERALISATION INTERSECTED

## Red Mountain Project – Central Queensland

### Investment Highlights

- Significant diamond drilling results returned from Zenith's Red Mountain Project in central Queensland including:
  - **118m at 0.54 g/t Au + 11.9 g/t Ag from 225m in ZRMDD052, including 12m at 1.36 g/t Au + 4.93 g/t Ag from 288m and 9m at 1.24 g/t Au + 6.30 g/t Ag from 323m**
  - **11m at 0.45 g/t Au + 4.54 g/t Ag from 183m, and 11m at 1.16 g/t Au + 1.08 g/t Ag from 224m in ZRMDD051**
- Zenith is targeting its Intrusion Related Gold Breccia Pipe (IRG) discovery down to 400m below surface.
- Previous shallow high-grade intersections returned by Zenith include: **13m at 8.0 g/t Au, 15m at 3.5 g/t Au, 12m at 4.9 g/t Au** and **5m at 10.4 g/t Au ***

Zenith Minerals (ASX:ZNC) ("**Zenith**", **or the "Company**") is pleased to announce that assay results are now available from a deep diamond drill program consisting of 3 holes for 1,450m completed within the Company's 100% owned Red Mountain Project between May and July this year.

Drilling was following up previous shallow high-grade gold intersections at Red Mountain including:

- **13m @ 8.0 g/t Au from surface in ZRMRC001, incl 6m @ 16.7 g/t Au from surface**
- **15m @ 3.5 g/t Au from 57m in ZRMRC019, incl 2m @ 22.4 g/t Au from 70m**
- **12m @ 4.9 g/t Au from 102m in ZRMRC021, incl 6m @ 9.4 g/t Au from 103m**
- **5m @ 10.4 g/t Au from 67m in ZRMRC023, incl 1m @ 49.9 g/t Au from 67m, and**
- **7.7m @ 4.4 g/t Au from 63m in ZRMCD041, incl 1m @ 19.3 g/t Au from 63m**

**Executive Chair David Ledger said:** *"We are excited by these gold and silver intersections that now demonstrate not only the excellent continuity of mineralisation at Red Mountain within 400m from surface, but also a significant increase in mineralised widths at depth, as predicted by our modelling".*

* Refer to Zenith ASX Release 19-May-21

## Exploration Rationale

The diamond drilling program has confirmed the depth continuity of gold and silver mineralisation occurring as stockwork, sheeted and extensional quartz and minor base metal veins hosted primarily within rhyolite and granodiorite. Base metal minerals include chalcopyrite (max 0.12% Cu from 353-354m), sphalerite (max 0.91% Zn from 327-328m) and galena (max 0.46% Pb from 398-399m) within ZRMDD052. See Figures 1 to 4 and Table 3 for a complete list of gold and base metal intersections. While true widths remain undetermined at this stage, the scale of the mineralisation encountered confirms there is excellent potential for a large mineralised system at Red Mountain.

An Induced Polarisation (IP) anomaly, previously untested at depth, was the focus of the current drilling program, reflecting a likely westerly dip to the breccia pipe. The pipe has now been confirmed to dip east and the IP anomalism can be attributed to the expansive sulphidic, flow banded rhyolite (flow dome) intrusion extending westward, away from the mapped breccia pipe.

Follow-up drilling will now be planned to scope the lateral and depth extents of the rhyolite hosted mineralisation.

## Background

The Red Mountain Project is located 160km southwest of Bundaberg and 390km northwest of Brisbane in Queensland. It covers approximately 48km$^2$ and comprises a single Exploration Permit for Minerals (EPM 26384).

The Red Mountain Project is located within the Conners and Auburn Arc in central Queensland. The Arc plays host to the 1.5Moz Cracow gold mine, located 60km to the west which is defined as a low sulphidation epithermal vein array and stockwork gold system (www.aerisresources.com.au). Cracow is currently owned and mined by Aeris Resources (ASX: AIS). The Arc also hosts Evolution Mining's (ASX: EVN) Mount Rawdon gold mine, a plus 2Moz intrusion related (IRG), low-grade gold deposit located 80km southwest of Bundaberg (www.evolutionmining.com.au).

The geology at Red Mountain is interpreted to be comparable to Mount Rawdon and the deep underground Mt Wright gold mine, located to the east of Charters Towers in north Queensland. At Red Mountain a felsic diatreme brecciated IRG system offering considerable untested vertical extent has intruded into the Colodon Granodiorite of the Rawbelle Batholith.

Gold mineralisation is hosted within flow banded rhyolite, felsic tuff and volcanic breccia close to the contact with the granodiorite as well as in quartz healed stockwork developed within the granodiorite.

Better intersections returned from Zenith's previous drilling programs include:

- **13m at 8.0 g/t Au from surface in ZRMC001**

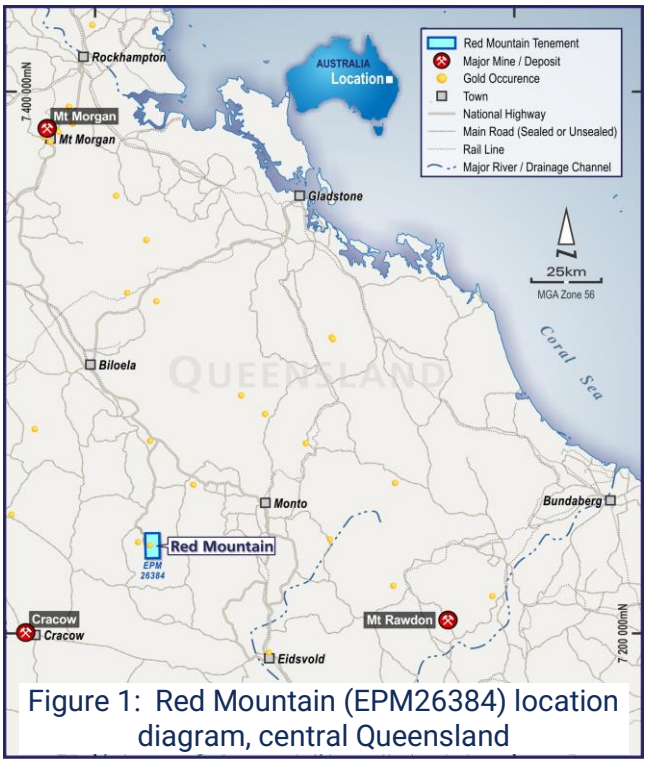

Figure 1: Red Mountain (EPM26384) location diagram, central Queensland

- **15m at 3.5 g/t Au from 70m in ZRMC019, and**
- **21m at 1.9 g/t Au from 204m in ZRMDD042**

See Zenith's ASX Releases dated: 03-Aug-20, 13-Oct-20, 09-Nov-20, 21-Jan-21 and 19-May-21 for details on the previous drilling. Note: to define geological continuity these results have been recalculated using a 0.1g/t Au lower cut off (0.5 g/t Au previously reported).

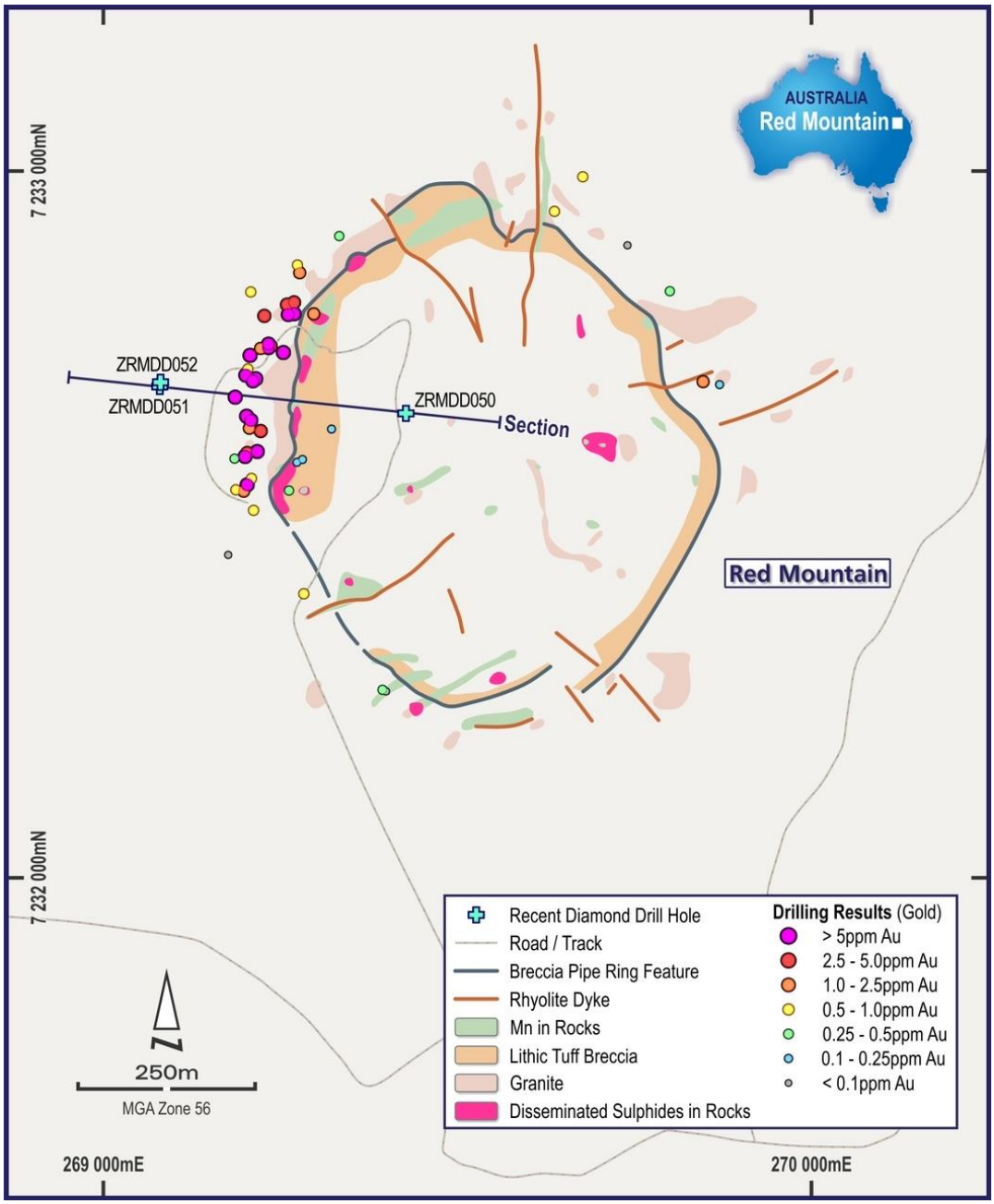


**Figure 2:** Maximum Downhole Gold Intersections along the North-Western Flank of the Red Mountain IRG Breccia Pipe

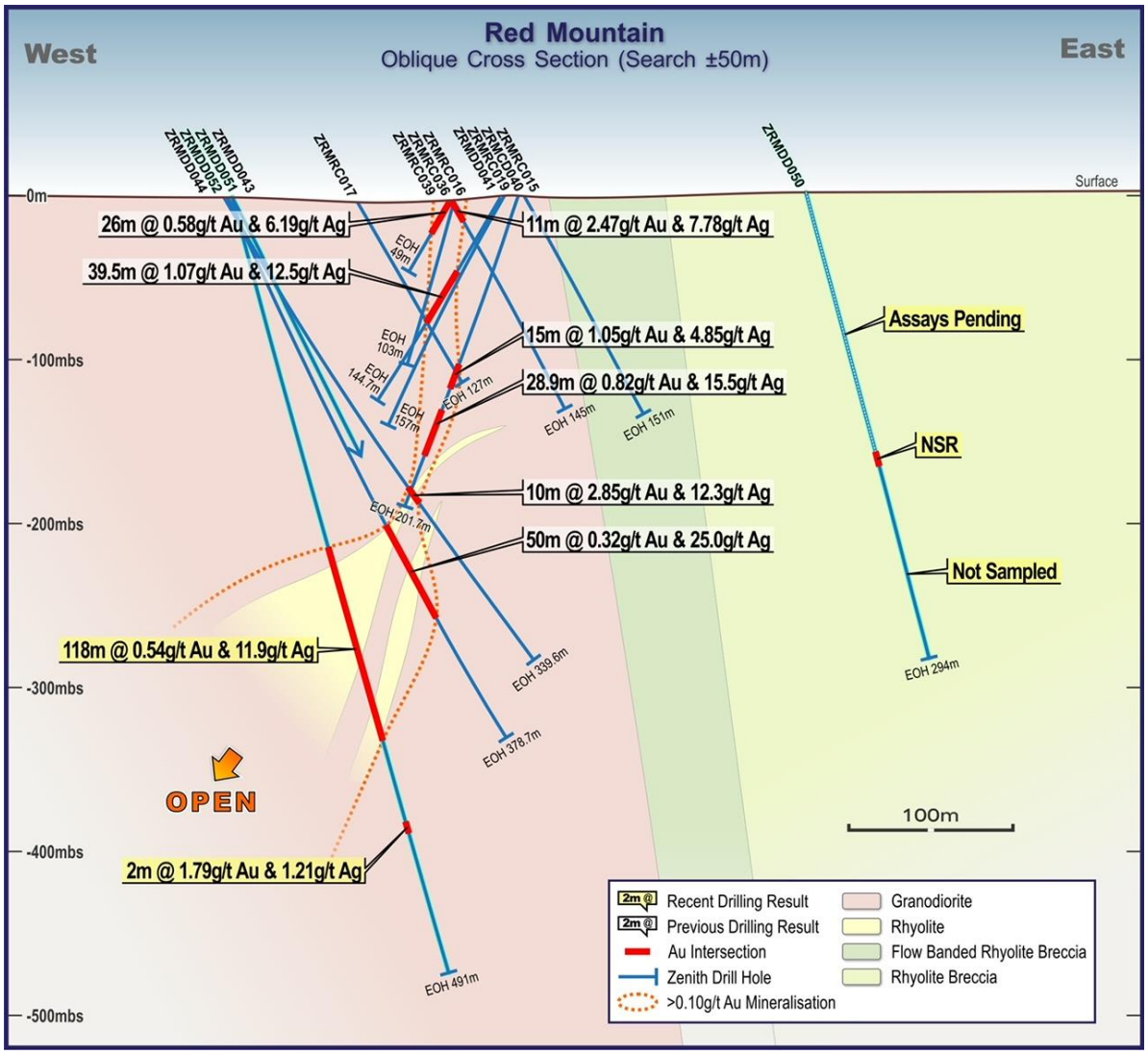


**Figure 3:** Cross Section Through ZRMDD050 – ZRMDD052, using a 0.10 g/t Au lower cut-off

**Table 1:** Diamond Drill Hole Collar Locations

| Hole ID | Drill Type | GDA Easting (Zone-56) | GDA Northing (Zone-56) | RL | Az/ Dip | HQ Diamond (m) | NQ Diamond (m) | F/Depth (m) |
|---|---|---|---|---|---|---|---|---|
| ZRMDD050 | DD | 269433 | 7232659 | 369 | 090/-75 | 102 | 192 | 294 |
| ZRMDD051 | DD | 269079 | 7232695 | 419 | 125/-60 | 78.6 | 586.4 | 665 |
| ZRMDD052 | DD | 269080 | 7232701 | 419 | 100/-75 | 95.9 | 395.1 | 491 |

DD –HQ/NQ diamond drill holes from surface.

**Table 2:** Red Mountain Gold Prospect - Significant (>0.1 g/t Au) Diamond Drill Hole Results

| Hole ID | GDA Easting | GDA Northing | RL | F/Depth (m) | From (m) | To (m) | Interval (m) | g/t Au | g/t Ag |
|---|---|---|---|---|---|---|---|---|---|
| ZRMDD050 | 269433 | 7232659 | 369 | 294 | 0 | 165.5 | 165.5 | Assays Awaited | |
| | | | | | 165.5 | 170 | 4.5 | NSR | NSR |
| ZRMDD051 | 269079 | 7232695 | 419 | 665 | **183** | **194** | **11** | **0.45** | **4.54** |
| | | | | | **224** | **235** | **11** | **1.16** | **1.08** |
| ZRMDD052 | 269080 | 7232701 | 419 | 491 | 197 | 201 | 4 | 0.60 | 5.81 |
| | | | | | 212 | 213 | 1 | 1.13 | 29.9 |
| | | | | | **225** | **343** | **118** | **0.54** | **11.9** |
| | | | | Incl. | **288** | **300** | **12** | **1.36** | **4.93** |
| | | | | + | **323** | **332** | **9** | **1.24** | **6.30** |
| | | | | | 347 | 354 | 7 | 0.10 | 3.72 |
| | | | | | **388** | **389** | **1** | **1.20** | **6.23** |
| | | | | | **399** | **401** | **2** | **1.79** | **1.21** |
| | | | | | 460 | 491 | 31 | Assays Awaited | |

Notes: Significant gold-silver intersections are reported using a 0.1 g/t Au lower cut with up to 5m internal dilution to define geological continuity. Gold determination was by fire assay on a 50 g charge with AAS finish. Base metal determination was for a full suite of elements using a four-acid digest and MS finish. NSR denotes no significant results. Table 3 shows the complete list of single metre Au-Ag-Cu-Pb+Zn assays received. Assay awaited are lower priority samples that are yet to be cut and/or despatched to the laboratory.

ZRMDD052 – Extensional base metal veins in altered granodiorite reporting 1.13 g/t Au, 29.9 g/t Ag, 501ppm Cu, 254ppm Pb, 628ppm Zn from 212-213m

ZRMDD052 – Acid leached (pitted) rhyolite with course-grained (black) sphalerite at 258.8m, reporting 0.4 g/t Au, 19.6 g/t Ag, 534ppm Cu, 574ppm Pb, 0.30% Zn from 258-259m

**Figure 4:** Red Mountain Diamond Core Mineralised Examples

## About Zenith Minerals

Zenith Minerals Limited (ASX:ZNC) is an Australian-based minerals exploration company leveraged to the increasing global demand for metals critical to the production processes of new energy industrial sectors.

The Company currently has four lithium projects all located in Western Australia. Two projects, Split Rocks and Waratah Well, are being explored under the terms of a joint venture between Zenith and EV Metals Group (EVM). Split Rocks covers landholdings of approximately 660 $km^2$ in the Forrestania greenstone belt immediately north of the established Mt Holland lithium deposit. Waratah Well, located approximately 20km northwest of the regional town of Yalgoo in the Murchison Region holds a lithium pegmatite with ongoing exploration required.

In January 2022, Zenith entered into a joint venture with EV Metals Group (EVM), a company with plans to develop a Battery Chemicals Complex in Saudi Arabia. EVM can earn a 60% interest in the lithium rights on two lithium projects, Split Rocks and Waratah Well, with Zenith retaining a 40% project share. Under the terms of the agreement Zenith is fully funded by EVM through to a bankable feasibility on any project development, such a study must be completed by January 2024.

Zenith has an additional two lithium projects. In January 2023, Zenith secured an option to acquire 100% of the Hayes Hill lithium – nickel project, located in the Norseman – Widgiemooltha area of Western Australia. A further project Yilmia, covers an 8 km long lithium prospective area in the Coolgardie district, some 13 km southeast of the recent Kangaroo Hills lithium discovery by ASX:FBM. Zenith may earn up to a 100% interest in the lithium rights at the Yilmia project.

In addition to its battery metal assets Zenith owns a portfolio of gold and base metal projects. It retains a 25% free carried interest (to end bankable feasibility study) on the Earaheedy Zinc discovery, in Western Australia, with Rumble Resources Limited (ASX:RTR) and two main gold projects – Red Mountain in Queensland and Split Rocks in Western Australia.

To learn more, please visit www.zenithminerals.com.au

**This ASX announcement has been authorised by the Board of Zenith Minerals Limited.**

**Competent Persons Statement**

The information in this report that relates to Exploration Results is based on information compiled by Mr Kevin Seymour, who is a Member of the Australian Institute of Geoscientists and a full-time employee of Seymour Rock Consulting Pty Ltd. Mr Seymour has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr Seymour consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

**Material ASX Releases Previously Released**

The Company has released all material information that relates to Exploration Results, Mineral Resources and Reserves, Economic Studies and Production for the Company's Projects on a continuous basis to the ASX and in compliance with JORC 2012. The Company confirms that it is not aware of any new information that materially affects the content of this ASX release and that the material assumptions and technical parameters remain unchanged.

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**Table 3:** Red Mountain Gold-Silver Project – Single Metre Assay Data

| Hole ID | From | To | Interval | Au ppm | Ag ppm | Cu ppm | Pb ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|
| ZRMDD052 | 195 | 196 | 1 | 0.04 | 0.95 | 27.5 | 54.5 | 226 |
| ZRMDD052 | 196 | 197 | 1 | -0.01 | 0.17 | 10.7 | 31.7 | 97 |
| ZRMDD052 | 197 | 198 | 1 | 0.13 | 2.65 | 187 | 55.1 | 315 |
| ZRMDD052 | 198 | 199 | 1 | -0.01 | 0.14 | 11.4 | 26.9 | 104 |
| ZRMDD052 | 199 | 200 | 1 | 1.90 | 0.15 | 9.9 | 30.9 | 120 |
| ZRMDD052 | 200 | 201 | 1 | 0.39 | 20.3 | 846 | 92 | 219 |
| ZRMDD052 | 201 | 202 | 1 | -0.01 | 0.15 | 17.8 | 34.3 | 161 |
| ZRMDD052 | 205 | 206 | 1 | -0.01 | 2.54 | 113.5 | 60.5 | 168 |
| ZRMDD052 | 206 | 207 | 1 | 0.06 | 1.66 | 42.5 | 81.2 | 158 |
| ZRMDD052 | 212 | 213 | 1 | 1.13 | 29.9 | 501 | 254 | 628 |
| ZRMDD052 | 213 | 214 | 1 | 0.01 | 0.31 | 35.3 | 21.6 | 131 |
| ZRMDD052 | 216 | 217 | 1 | 0.01 | 0.41 | 40 | 33 | 111 |
| ZRMDD052 | 217 | 218 | 1 | 0.08 | 0.75 | 45.5 | 44.4 | 360 |
| ZRMDD052 | 218 | 219 | 1 | 0.03 | 0.35 | 6.1 | 32.8 | 69 |
| ZRMDD052 | 219 | 220 | 1 | 0.06 | 1.86 | 38.9 | 62.8 | 459 |
| ZRMDD052 | 220 | 221 | 1 | -0.01 | 0.13 | 7.7 | 38.1 | 63 |
| ZRMDD052 | 221 | 222 | 1 | -0.01 | 0.14 | 8.9 | 41.1 | 72 |
| ZRMDD052 | 222 | 223 | 1 | -0.01 | 0.16 | 19.6 | 29 | 78 |
| ZRMDD052 | 223 | 224 | 1 | -0.01 | 0.24 | 23.8 | 39.6 | 104 |
| ZRMDD052 | 224 | 225 | 1 | -0.01 | 0.22 | 5.6 | 37 | 58 |
| ZRMDD052 | 225 | 226 | 1 | 0.69 | 0.39 | 10.6 | 34.8 | 61 |
| ZRMDD052 | 226 | 227 | 1 | 0.05 | 0.41 | 8.2 | 39 | 62 |
| ZRMDD052 | 227 | 228 | 1 | 0.32 | 0.93 | 34.1 | 40.4 | 314 |
| ZRMDD052 | 228 | 229 | 1 | 0.01 | 0.4 | 61.6 | 20.4 | 136 |
| ZRMDD052 | 229 | 230 | 1 | -0.01 | 0.21 | 6.9 | 20 | 115 |
| ZRMDD052 | 230 | 231 | 1 | 1.03 | 1.28 | 34.3 | 30.1 | 303 |
| ZRMDD052 | 231 | 232 | 1 | 1.09 | 1.94 | 23.4 | 77.2 | 155 |
| ZRMDD052 | 232 | 233 | 1 | 0.35 | 4.14 | 48.1 | 152.5 | 520 |
| ZRMDD052 | 233 | 234 | 1 | 0.17 | 2.88 | 44 | 135 | 394 |
| ZRMDD052 | 234 | 235 | 1 | 0.26 | 5.97 | 108 | 94.3 | 265 |
| ZRMDD052 | 235 | 236 | 1 | 0.20 | 17.55 | 476 | 147.5 | 157 |
| ZRMDD052 | 236 | 237 | 1 | 0.62 | 19.5 | 546 | 266 | 105 |
| ZRMDD052 | 237 | 238 | 1 | 1.03 | 28.4 | 784 | 232 | 145 |

| Hole ID | From | To | Interval | Au ppm | Ag ppm | Cu ppm | Pb ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|
| ZRMDD052 | 238 | 239 | 1 | 1.07 | 41.8 | 1325 | 294 | 232 |
| ZRMDD052 | 239 | 240 | 1 | 0.78 | 48.5 | 1290 | 438 | 556 |
| ZRMDD052 | 240 | 241 | 1 | 1.15 | 69 | 1715 | 538 | 277 |
| ZRMDD052 | 241 | 242 | 1 | 1.42 | 36.2 | 1185 | 390 | 668 |
| ZRMDD052 | 242 | 243 | 1 | 1.08 | 21.2 | 707 | 219 | 1340 |
| ZRMDD052 | 243 | 244 | 1 | 0.74 | 29.8 | 999 | 254 | 1440 |
| ZRMDD052 | 244 | 245 | 1 | 0.45 | 21.7 | 752 | 109.5 | 432 |
| ZRMDD052 | 245 | 246 | 1 | 0.44 | 6.45 | 247 | 64.1 | 140 |
| ZRMDD052 | 246 | 247 | 1 | 0.71 | 18.05 | 625 | 161 | 140 |
| ZRMDD052 | 247 | 248 | 1 | 0.93 | 16.1 | 477 | 155.5 | 171 |
| ZRMDD052 | 248 | 249 | 1 | 0.39 | 16.05 | 439 | 119.5 | 103 |
| ZRMDD052 | 249 | 250 | 1 | 0.32 | 26.3 | 711 | 282 | 167 |
| ZRMDD052 | 250 | 251 | 1 | 0.99 | 24.5 | 651 | 296 | 889 |
| ZRMDD052 | 251 | 252 | 1 | 0.76 | 30.8 | 702 | 377 | 453 |
| ZRMDD052 | 252 | 253 | 1 | 0.52 | 77.9 | 1400 | 1310 | 245 |
| ZRMDD052 | 253 | 254 | 1 | 0.93 | 34.9 | 1300 | 441 | 250 |
| ZRMDD052 | 254 | 255 | 1 | 0.47 | 31 | 1120 | 633 | 328 |
| ZRMDD052 | 255 | 256 | 1 | 0.52 | 29 | 735 | 864 | 2660 |
| ZRMDD052 | 256 | 257 | 1 | 0.44 | 37.4 | 810 | 825 | 835 |
| ZRMDD052 | 257 | 258 | 1 | 0.43 | 14.7 | 366 | 361 | 1900 |
| ZRMDD052 | 258 | 259 | 1 | 0.40 | 19.6 | 534 | 574 | 3040 |
| ZRMDD052 | 259 | 260 | 1 | 0.73 | 100 | 1795 | 2060 | 561 |
| ZRMDD052 | 260 | 261 | 1 | 0.24 | 16.45 | 785 | 182 | 304 |
| ZRMDD052 | 261 | 262 | 1 | 0.71 | 8.36 | 85.7 | 598 | 884 |
| ZRMDD052 | 262 | 263 | 1 | 0.43 | 1.32 | 32.1 | 129 | 1270 |
| ZRMDD052 | 263 | 264 | 1 | 0.18 | 1.52 | 57.3 | 60.3 | 458 |
| ZRMDD052 | 264 | 265 | 1 | 0.36 | 0.62 | 13.9 | 66.6 | 476 |
| ZRMDD052 | 265 | 266 | 1 | 0.22 | 1.58 | 80.9 | 141.5 | 673 |
| ZRMDD052 | 266 | 267 | 1 | 0.11 | 4.84 | 263 | 103 | 347 |
| ZRMDD052 | 267 | 268 | 1 | 0.27 | 11.65 | 409 | 448 | 457 |
| ZRMDD052 | 268 | 269 | 1 | 0.16 | 13.85 | 314 | 498 | 451 |
| ZRMDD052 | 269 | 270 | 1 | 0.15 | 21.2 | 436 | 496 | 424 |
| ZRMDD052 | 270 | 271 | 1 | 0.20 | 14.8 | 286 | 453 | 367 |
| ZRMDD052 | 271 | 272 | 1 | 0.41 | 15.8 | 478 | 683 | 219 |
| ZRMDD052 | 272 | 273 | 1 | 0.30 | 18.9 | 572 | 722 | 1015 |
| ZRMDD052 | 273 | 274 | 1 | 0.33 | 18.55 | 323 | 1005 | 1845 |
| ZRMDD052 | 274 | 275 | 1 | 0.50 | 40.1 | 1245 | 991 | 1310 |
| ZRMDD052 | 275 | 276 | 1 | 0.81 | 12.3 | 611 | 1190 | 2840 |
| ZRMDD052 | 276 | 277 | 1 | 1.15 | 19.85 | 690 | 1200 | 1985 |
| ZRMDD052 | 277 | 278 | 1 | 0.32 | 16.75 | 503 | 381 | 164 |
| ZRMDD052 | 278 | 279 | 1 | 0.43 | 15.1 | 630 | 336 | 563 |
| ZRMDD052 | 279 | 280 | 1 | 0.18 | 10.75 | 423 | 263 | 768 |
| ZRMDD052 | 280 | 281 | 1 | 0.02 | 2.18 | 28.7 | 88.5 | 295 |
| ZRMDD052 | 281 | 282 | 1 | 0.01 | 2.67 | 28.2 | 95.9 | 99 |

| Hole ID | From | To | Interval | Au ppm | Ag ppm | Cu ppm | Pb ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|
| ZRMDD052 | 282 | 283 | 1 | -0.01 | 1.86 | 39.6 | 75.1 | 126 |
| ZRMDD052 | 283 | 284 | 1 | 0.01 | 4.15 | 143.5 | 52.9 | 83 |
| ZRMDD052 | 284 | 285 | 1 | 0.02 | 8.69 | 243 | 73.9 | 130 |
| ZRMDD052 | 285 | 286 | 1 | 0.31 | 28.3 | 839 | 454 | 181 |
| ZRMDD052 | 286 | 287 | 1 | 0.12 | 11.1 | 429 | 259 | 107 |
| ZRMDD052 | 287 | 288 | 1 | 0.23 | 5.4 | 230 | 309 | 1630 |
| ZRMDD052 | 288 | 289 | 1 | 0.57 | 37.1 | 814 | 764 | 3790 |
| ZRMDD052 | 289 | 290 | 1 | 0.03 | 0.83 | 18.6 | 125.5 | 198 |
| ZRMDD052 | 290 | 291 | 1 | 0.03 | 0.85 | 14.8 | 130.5 | 57 |
| ZRMDD052 | 291 | 292 | 1 | 2.81 | 1.95 | 51.9 | 531 | 1890 |
| ZRMDD052 | 292 | 293 | 1 | 0.48 | 1.41 | 24.5 | 778 | 1060 |
| ZRMDD052 | 293 | 294 | 1 | 1.42 | 3.14 | 70.9 | 1290 | 1805 |
| ZRMDD052 | 294 | 295 | 1 | 0.37 | 1.17 | 32.5 | 547 | 852 |
| ZRMDD052 | 295 | 296 | 1 | 6.20 | 6.37 | 264 | 853 | 1400 |
| ZRMDD052 | 296 | 297 | 1 | 3.61 | 3.77 | 67 | 1155 | 882 |
| ZRMDD052 | 297 | 298 | 1 | 0.20 | 0.74 | 14 | 118.5 | 265 |
| ZRMDD052 | 298 | 299 | 1 | 0.14 | 0.85 | 18.8 | 251 | 406 |
| ZRMDD052 | 299 | 300 | 1 | 0.52 | 0.98 | 28 | 168 | 365 |
| ZRMDD052 | 300 | 301 | 1 | 0.25 | 2.69 | 85.1 | 126 | 227 |
| ZRMDD052 | 301 | 302 | 1 | 0.04 | 4.22 | 82.7 | 81.4 | 203 |
| ZRMDD052 | 302 | 303 | 1 | 0.18 | 2.02 | 47.4 | 198.5 | 185 |
| ZRMDD052 | 303 | 304 | 1 | 0.05 | 1.74 | 116.5 | 91.9 | 587 |
| ZRMDD052 | 304 | 305 | 1 | 0.12 | 11.1 | 228 | 350 | 1215 |
| ZRMDD052 | 305 | 306 | 1 | 0.05 | 2.07 | 119 | 57.4 | 1670 |
| ZRMDD052 | 306 | 307 | 1 | 0.01 | 0.45 | 18.6 | 32.3 | 163 |
| ZRMDD052 | 307 | 308 | 1 | 0.31 | 4.87 | 289 | 159.5 | 2590 |
| ZRMDD052 | 308 | 309 | 1 | 0.08 | 2.55 | 39.1 | 99.3 | 957 |
| ZRMDD052 | 309 | 310 | 1 | 0.17 | 2.25 | 77.2 | 115.5 | 780 |
| ZRMDD052 | 310 | 311 | 1 | 0.20 | 2.51 | 86.8 | 355 | 921 |
| ZRMDD052 | 311 | 312 | 1 | 0.04 | 7.68 | 286 | 1950 | 4730 |
| ZRMDD052 | 312 | 313 | 1 | 2.00 | 7.46 | 247 | 2620 | 3800 |
| ZRMDD052 | 313 | 314 | 1 | 0.04 | 0.33 | 9.4 | 44.5 | 121 |
| ZRMDD052 | 314 | 315 | 1 | 0.40 | 1.13 | 44.8 | 118.5 | 842 |
| ZRMDD052 | 315 | 316 | 1 | 0.60 | 2.86 | 57.4 | 1040 | 959 |
| ZRMDD052 | 316 | 317 | 1 | 0.05 | 0.64 | 19.2 | 214 | 203 |
| ZRMDD052 | 317 | 318 | 1 | -0.01 | 0.15 | 8.4 | 30.5 | 105 |
| ZRMDD052 | 318 | 319 | 1 | 0.02 | 0.9 | 11.2 | 52.8 | 122 |
| ZRMDD052 | 319 | 320 | 1 | 0.06 | 0.8 | 45.4 | 83.8 | 151 |
| ZRMDD052 | 320 | 321 | 1 | 0.24 | 0.63 | 26 | 153 | 531 |
| ZRMDD052 | 321 | 322 | 1 | 0.11 | 2.52 | 139.5 | 279 | 1225 |
| ZRMDD052 | 322 | 323 | 1 | 0.16 | 1.86 | 13.8 | 141 | 135 |
| ZRMDD052 | 323 | 324 | 1 | 0.10 | 0.47 | 11.6 | 98.2 | 805 |
| ZRMDD052 | 324 | 325 | 1 | 0.93 | 3.28 | 49.3 | 1125 | 1165 |
| ZRMDD052 | 325 | 326 | 1 | 0.77 | 18.25 | 281 | 2010 | 2490 |

| Hole ID | From | To | Interval | Au ppm | Ag ppm | Cu ppm | Pb ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|
| ZRMDD052 | 326 | 327 | 1 | 2.90 | 6.27 | 168 | 791 | 1710 |
| ZRMDD052 | 327 | 328 | 1 | 4.19 | 17 | 529 | 1235 | 9100 |
| ZRMDD052 | 328 | 329 | 1 | 0.85 | 4.46 | 108.5 | 227 | 341 |
| ZRMDD052 | 329 | 330 | 1 | 0.44 | 3.16 | 116 | 158.5 | 994 |
| ZRMDD052 | 330 | 331 | 1 | 0.23 | 1.94 | 42.3 | 123.5 | 449 |
| ZRMDD052 | 331 | 332 | 1 | 0.81 | 1.88 | 26.5 | 172 | 335 |
| ZRMDD052 | 332 | 333 | 1 | 0.18 | 1.2 | 12.2 | 118 | 242 |
| ZRMDD052 | 333 | 334 | 1 | 0.45 | 2.73 | 18.6 | 217 | 341 |
| ZRMDD052 | 334 | 335 | 1 | 0.13 | 6.06 | 16.4 | 321 | 657 |
| ZRMDD052 | 335 | 336 | 1 | 0.09 | 3.98 | 19.6 | 157.5 | 209 |
| ZRMDD052 | 336 | 337 | 1 | 0.15 | 6.15 | 169.5 | 188 | 1485 |
| ZRMDD052 | 337 | 338 | 1 | 0.40 | 15.4 | 432 | 388 | 487 |
| ZRMDD052 | 338 | 339 | 1 | 0.40 | 15.15 | 538 | 518 | 2180 |
| ZRMDD052 | 339 | 340 | 1 | 0.19 | 8.29 | 218 | 230 | 92 |
| ZRMDD052 | 340 | 341 | 1 | 0.07 | 3.87 | 149 | 103 | 200 |
| ZRMDD052 | 341 | 342 | 1 | 0.01 | 0.78 | 143.5 | 14.7 | 59 |
| ZRMDD052 | 342 | 343 | 1 | 0.16 | 2.5 | 172.5 | 46 | 115 |
| ZRMDD052 | 343 | 344 | 1 | 0.01 | 0.93 | 50.2 | 18.9 | 100 |
| ZRMDD052 | 344 | 345 | 1 | 0.03 | 10.8 | 567 | 91.8 | 439 |
| ZRMDD052 | 345 | 346 | 1 | 0.03 | 1.56 | 99.3 | 42.9 | 165 |
| ZRMDD052 | 346 | 347 | 1 | 0.02 | 1.68 | 82.5 | 55 | 194 |
| ZRMDD052 | 347 | 348 | 1 | 0.22 | 4.69 | 374 | 111.5 | 462 |
| ZRMDD052 | 348 | 349 | 1 | 0.02 | 0.98 | 127 | 29.6 | 225 |
| ZRMDD052 | 349 | 350 | 1 | 0.04 | 2.37 | 187.5 | 35 | 633 |
| ZRMDD052 | 350 | 351 | 1 | 0.01 | 0.37 | 54.3 | 25.9 | 39 |
| ZRMDD052 | 351 | 352 | 1 | 0.09 | 0.8 | 75.6 | 46.4 | 71 |
| ZRMDD052 | 352 | 353 | 1 | 0.24 | 1.66 | 108.5 | 77.8 | 144 |
| ZRMDD052 | 353 | 354 | 1 | 0.14 | 15.15 | 1275 | 55.2 | 2380 |
| ZRMDD052 | 354 | 355 | 1 | 0.04 | 10.7 | 918 | 56.6 | 4320 |
| ZRMDD052 | 355 | 356 | 1 | 0.06 | 8.99 | 836 | 52.9 | 4560 |
| ZRMDD052 | 356 | 357 | 1 | 0.01 | 0.61 | 61.7 | 16.4 | 161 |
| ZRMDD052 | 357 | 358 | 1 | 0.01 | 0.33 | 38.8 | 15.6 | 122 |
| ZRMDD052 | 358 | 359 | 1 | 0.01 | 1.52 | 76.8 | 24.3 | 160 |
| ZRMDD052 | 359 | 360 | 1 | -0.01 | 0.79 | 96.3 | 13.4 | 247 |
| ZRMDD052 | 360 | 361 | 1 | -0.01 | 0.38 | 31.3 | 17.2 | 106 |
| ZRMDD052 | 361 | 362 | 1 | 0.01 | 0.54 | 65.4 | 23.1 | 316 |
| ZRMDD052 | 362 | 363 | 1 | 0.14 | 43.5 | 260 | 180.5 | 718 |
| ZRMDD052 | 363 | 364 | 1 | 0.21 | 41.8 | 606 | 151 | 911 |
| ZRMDD052 | 364 | 365 | 1 | 0.05 | 14.55 | 258 | 73.7 | 372 |
| ZRMDD052 | 365 | 366 | 1 | -0.01 | 0.26 | 47.1 | 19.8 | 108 |
| ZRMDD052 | 366 | 367 | 1 | -0.01 | 0.11 | 27.3 | 14.7 | 74 |
| ZRMDD052 | 367 | 368 | 1 | -0.01 | 0.08 | 17.2 | 13.8 | 71 |
| ZRMDD052 | 368 | 369 | 1 | -0.01 | 0.09 | 23.1 | 16 | 84 |
| ZRMDD052 | 369 | 370 | 1 | -0.01 | 0.06 | 12.4 | 17.7 | 64 |

| Hole ID | From | To | Interval | Au ppm | Ag ppm | Cu ppm | Pb ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|
| ZRMDD052 | 370 | 371 | 1 | -0.01 | 0.12 | 13.5 | 21.9 | 56 |
| ZRMDD052 | 371 | 372 | 1 | -0.01 | 0.21 | 37.6 | 24 | 88 |
| ZRMDD052 | 372 | 373 | 1 | -0.01 | 0.15 | 24.5 | 18.7 | 74 |
| ZRMDD052 | 373 | 374 | 1 | -0.01 | 0.16 | 33.3 | 22.2 | 58 |
| ZRMDD052 | 374 | 375 | 1 | 0.01 | 4.38 | 263 | 55.9 | 45 |
| ZRMDD052 | 375 | 376 | 1 | 0.02 | 2.39 | 249 | 35.2 | 72 |
| ZRMDD052 | 376 | 377 | 1 | -0.01 | 0.16 | 27 | 18.2 | 82 |
| ZRMDD052 | 377 | 378 | 1 | -0.01 | 0.08 | 10.8 | 12.7 | 92 |
| ZRMDD052 | 378 | 379 | 1 | -0.01 | 0.09 | 12 | 12.6 | 95 |
| ZRMDD052 | 379 | 380 | 1 | -0.01 | 0.12 | 21.7 | 17.6 | 81 |
| ZRMDD052 | 380 | 381 | 1 | -0.01 | 0.1 | 13 | 24.9 | 78 |
| ZRMDD052 | 381 | 382 | 1 | -0.01 | 0.11 | 18.9 | 22 | 98 |
| ZRMDD052 | 382 | 383 | 1 | 0.33 | 1.59 | 92.8 | 307 | 794 |
| ZRMDD052 | 383 | 384 | 1 | 0.39 | 1.27 | 86.9 | 450 | 2050 |
| ZRMDD052 | 384 | 385 | 1 | -0.01 | 0.11 | 4.6 | 24.2 | 76 |
| ZRMDD052 | 385 | 386 | 1 | -0.01 | 0.36 | 60.7 | 31 | 117 |
| ZRMDD052 | 386 | 387 | 1 | 0.01 | 0.4 | 102 | 31.3 | 112 |
| ZRMDD052 | 387 | 388 | 1 | 0.06 | 2.57 | 322 | 44.7 | 780 |
| ZRMDD052 | 388 | 389 | 1 | 1.20 | 6.23 | 412 | 1030 | 825 |
| ZRMDD052 | 389 | 390 | 1 | 0.01 | 0.19 | 23.8 | 19 | 115 |
| ZRMDD052 | 390 | 391 | 1 | -0.01 | 0.25 | 22.8 | 22.2 | 165 |
| ZRMDD052 | 391 | 392 | 1 | -0.01 | 0.33 | 39.7 | 25.7 | 103 |
| ZRMDD052 | 392 | 393 | 1 | -0.01 | 0.1 | 12 | 18.4 | 94 |
| ZRMDD052 | 393 | 394 | 1 | -0.01 | 0.06 | 7.7 | 20.6 | 83 |
| ZRMDD052 | 394 | 395 | 1 | -0.01 | 0.09 | 21 | 19.8 | 78 |
| ZRMDD052 | 395 | 396 | 1 | -0.01 | 0.3 | 46.4 | 19.4 | 88 |
| ZRMDD052 | 396 | 397 | 1 | 0.01 | 4.28 | 246 | 340 | 166 |
| ZRMDD052 | 397 | 398 | 1 | -0.01 | 0.5 | 94.1 | 24.9 | 127 |
| ZRMDD052 | 398 | 399 | 1 | 0.08 | 5.31 | 130 | 4600 | 2480 |
| ZRMDD052 | 399 | 400 | 1 | 0.35 | 0.62 | 56 | 214 | 1455 |
| ZRMDD052 | 400 | 401 | 1 | 3.24 | 1.8 | 51.9 | 152.5 | 1325 |
| ZRMDD052 | 401 | 402 | 1 | 0.02 | 1.28 | 145.5 | 60.2 | 83 |
| ZRMDD052 | 402 | 403 | 1 | 0.01 | 3.08 | 197 | 41 | 61 |
| ZRMDD052 | 403 | 404 | 1 | 0.01 | 1.06 | 234 | 30.1 | 60 |
| ZRMDD052 | 404 | 405 | 1 | 0.02 | 1.29 | 236 | 57.9 | 85 |
| ZRMDD052 | 405 | 406 | 1 | 0.01 | 3.57 | 162.5 | 33.1 | 71 |
| ZRMDD052 | 406 | 407 | 1 | 0.10 | 3.76 | 517 | 46.4 | 119 |
| ZRMDD052 | 407 | 408 | 1 | 0.17 | 15.1 | 997 | 1730 | 684 |
| ZRMDD052 | 408 | 409 | 1 | -0.01 | 0.39 | 72.8 | 27.3 | 99 |
| ZRMDD052 | 409 | 410 | 1 | 0.01 | 0.44 | 143 | 19.6 | 87 |
| ZRMDD052 | 410 | 411 | 1 | -0.01 | 0.25 | 43.3 | 21.5 | 91 |
| ZRMDD052 | 411 | 412 | 1 | -0.01 | 0.18 | 29.8 | 18.1 | 101 |
| ZRMDD052 | 412 | 413 | 1 | -0.01 | 0.06 | 9.4 | 17 | 80 |
| ZRMDD052 | 413 | 414 | 1 | 0.01 | 0.32 | 54.1 | 20.1 | 94 |

| Hole ID | From | To | Interval | Au ppm | Ag ppm | Cu ppm | Pb ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|
| ZRMDD052 | 414 | 415 | 1 | 0.01 | 0.51 | 81.4 | 37 | 93 |
| ZRMDD052 | 415 | 416 | 1 | 0.08 | 0.72 | 56.7 | 29.9 | 102 |
| ZRMDD052 | 416 | 417 | 1 | -0.01 | 0.22 | 24 | 20.1 | 98 |
| ZRMDD052 | 417 | 418 | 1 | 0.02 | 1.79 | 67.1 | 31.2 | 111 |
| ZRMDD052 | 418 | 419 | 1 | -0.01 | 0.14 | 38.2 | 18.8 | 89 |
| ZRMDD052 | 419 | 420 | 1 | 0.01 | 0.17 | 23.6 | 21.1 | 81 |
| ZRMDD052 | 420 | 421 | 1 | -0.01 | 0.07 | 12.8 | 20.4 | 84 |
| ZRMDD052 | 421 | 422 | 1 | -0.01 | 0.1 | 24 | 18.8 | 86 |
| ZRMDD052 | 422 | 423 | 1 | -0.01 | 0.07 | 14.6 | 17.2 | 72 |
| ZRMDD052 | 423 | 424 | 1 | -0.01 | 0.06 | 10.2 | 21.1 | 73 |
| ZRMDD052 | 424 | 425 | 1 | -0.01 | 0.04 | 3.5 | 17.2 | 87 |
| ZRMDD052 | 425 | 426 | 1 | -0.01 | 0.06 | 7.7 | 18.8 | 94 |
| ZRMDD052 | 426 | 427 | 1 | -0.01 | 0.06 | 8.6 | 16 | 98 |
| ZRMDD052 | 427 | 428 | 1 | 0.02 | 0.28 | 13.2 | 22.9 | 88 |
| ZRMDD052 | 428 | 429 | 1 | 0.06 | 0.19 | 9.5 | 38.3 | 186 |
| ZRMDD052 | 429 | 430 | 1 | 0.22 | 0.13 | 15.8 | 42 | 171 |
| ZRMDD052 | 430 | 431 | 1 | -0.01 | 0.12 | 6.5 | 21.4 | 93 |
| ZRMDD052 | 431 | 432 | 1 | 0.02 | 0.35 | 11.6 | 39.3 | 72 |
| ZRMDD052 | 432 | 433 | 1 | -0.01 | 0.15 | 3.6 | 23.7 | 74 |
| ZRMDD052 | 433 | 434 | 1 | 0.02 | 0.29 | 37.2 | 22.3 | 76 |
| ZRMDD052 | 434 | 435 | 1 | -0.01 | 0.08 | 15 | 22.3 | 80 |
| ZRMDD052 | 435 | 436 | 1 | -0.01 | 0.08 | 16.4 | 17.4 | 87 |
| ZRMDD052 | 436 | 437 | 1 | -0.01 | 0.08 | 16.6 | 17.5 | 76 |
| ZRMDD052 | 437 | 438 | 1 | -0.01 | 0.07 | 7.7 | 22.4 | 83 |
| ZRMDD052 | 438 | 439 | 1 | -0.01 | 0.07 | 12.6 | 19.6 | 69 |
| ZRMDD052 | 439 | 440 | 1 | -0.01 | 0.06 | 8.7 | 21.6 | 70 |
| ZRMDD052 | 452 | 453 | 1 | 0.07 | 0.31 | 14.4 | 56.8 | 73 |
| ZRMDD052 | 453 | 453.5 | 0.5 | 0.24 | 1.41 | 17.5 | 235 | 660 |
| ZRMDD052 | 459 | 460 | 1 | 0.09 | 0.38 | 11 | 103 | 306 |
| ZRMDD051 | 158 | 159 | 1 | -0.01 | 0.08 | 22.7 | 21.6 | 83 |
| ZRMDD051 | 159 | 160 | 1 | -0.01 | 0.16 | 20.7 | 36.2 | 92 |
| ZRMDD051 | 160 | 161 | 1 | -0.01 | 0.42 | 24.4 | 70.6 | 130 |
| ZRMDD051 | 161 | 162 | 1 | -0.01 | 0.31 | 6.3 | 67.7 | 100 |
| ZRMDD051 | 162 | 163 | 1 | 0.01 | 0.46 | 39 | 70 | 298 |
| ZRMDD051 | 163 | 164 | 1 | -0.01 | 0.18 | 20 | 42.2 | 138 |
| ZRMDD051 | 164 | 165 | 1 | 0.01 | 0.56 | 24.5 | 80.1 | 203 |
| ZRMDD051 | 165 | 166 | 1 | 0.01 | 0.56 | 27.4 | 48.1 | 157 |
| ZRMDD051 | 166 | 167 | 1 | 0.02 | 0.7 | 20.2 | 49.9 | 117 |
| ZRMDD051 | 167 | 168 | 1 | -0.01 | 0.12 | 18.3 | 27.1 | 66 |
| ZRMDD051 | 168 | 169 | 1 | -0.01 | 0.11 | 19.6 | 21.7 | 75 |
| ZRMDD051 | 169 | 170 | 1 | -0.01 | 0.07 | 7.7 | 27.9 | 59 |
| ZRMDD051 | 170 | 171 | 1 | 0.01 | 0.32 | 18.5 | 53.1 | 122 |
| ZRMDD051 | 171 | 172 | 1 | -0.01 | 0.15 | 36.4 | 22.3 | 102 |
| ZRMDD051 | 172 | 173 | 1 | -0.01 | 0.15 | 38.3 | 14.7 | 102 |

| Hole ID | From | To | Interval | Au ppm | Ag ppm | Cu ppm | Pb ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|
| ZRMDD051 | 173 | 174 | 1 | 0.02 | 0.15 | 13.7 | 22.8 | 83 |
| ZRMDD051 | 174 | 175 | 1 | 0.03 | 0.12 | 7.2 | 27.4 | 71 |
| ZRMDD051 | 175 | 176 | 1 | 0.01 | 0.15 | 20.7 | 18.6 | 109 |
| ZRMDD051 | 176 | 177 | 1 | -0.01 | 0.12 | 19.6 | 17.6 | 104 |
| ZRMDD051 | 177 | 178 | 1 | 0.01 | 0.12 | 10.2 | 30.7 | 64 |
| ZRMDD051 | 178 | 179 | 1 | 0.14 | 0.23 | 8.5 | 47 | 43 |
| ZRMDD051 | 179 | 180 | 1 | 0.01 | 0.13 | 3.9 | 40 | 42 |
| ZRMDD051 | 180 | 181 | 1 | 0.01 | 0.09 | 9 | 36.2 | 76 |
| ZRMDD051 | 181 | 182 | 1 | -0.01 | 0.34 | 50.9 | 25.6 | 144 |
| ZRMDD051 | 182 | 183 | 1 | 0.01 | 0.26 | 21.7 | 42.2 | 150 |
| ZRMDD051 | 183 | 184 | 1 | 0.57 | 1.3 | 37.7 | 101.5 | 362 |
| ZRMDD051 | 184 | 184.75 | 0.75 | 3.02 | 38 | 806 | 973 | 5210 |
| ZRMDD051 | 184.75 | 185 | 0.25 | 0.46 | 3.7 | 176 | 106.5 | 1440 |
| ZRMDD051 | 185 | 186 | 1 | 0.86 | 5.05 | 45.8 | 170 | 341 |
| ZRMDD051 | 186 | 187 | 1 | 0.02 | 1.75 | 24.1 | 77.7 | 183 |
| ZRMDD051 | 187 | 188 | 1 | 0.02 | 3.02 | 11.1 | 102.5 | 139 |
| ZRMDD051 | 188 | 189 | 1 | 0.12 | 1.17 | 10.3 | 72.1 | 75 |
| ZRMDD051 | 189 | 190 | 1 | 0.08 | 1.33 | 24.7 | 96.8 | 107 |
| ZRMDD051 | 190 | 191 | 1 | 0.16 | 3.45 | 203 | 153 | 387 |
| ZRMDD051 | 191 | 192 | 1 | 0.11 | 1.09 | 46.9 | 59.6 | 229 |
| ZRMDD051 | 192 | 193 | 1 | 0.47 | 1.34 | 29.5 | 56 | 477 |
| ZRMDD051 | 193 | 194 | 1 | 0.14 | 1.02 | 24.7 | 60.4 | 199 |
| ZRMDD051 | 194 | 195 | 1 | 0.06 | 1.17 | 34.6 | 70.2 | 395 |
| ZRMDD051 | 195 | 196 | 1 | 0.05 | 0.48 | 9.4 | 58 | 338 |
| ZRMDD051 | 196 | 197 | 1 | 0.01 | 0.83 | 21.4 | 55.1 | 115 |
| ZRMDD051 | 197 | 198 | 1 | 0.07 | 1.08 | 19.2 | 82.1 | 143 |
| ZRMDD051 | 198 | 199 | 1 | 0.01 | 0.53 | 10.4 | 80.7 | 178 |
| ZRMDD051 | 199 | 200 | 1 | 0.01 | 0.25 | 6.3 | 50.4 | 91 |
| ZRMDD051 | 200 | 201 | 1 | 0.01 | 0.35 | 9.7 | 55.9 | 80 |
| ZRMDD051 | 201 | 202 | 1 | -0.01 | 0.17 | 5.1 | 41.9 | 61 |
| ZRMDD051 | 224 | 225 | 1 | 0.66 | 0.27 | 24.4 | 44.6 | 102 |
| ZRMDD051 | 225 | 226 | 1 | 0.29 | 1.7 | 277 | 34.2 | 1055 |
| ZRMDD051 | 226 | 227 | 1 | 0.01 | 0.71 | 43.6 | 62.4 | 814 |
| ZRMDD051 | 227 | 228 | 1 | 0.20 | 0.52 | 27.3 | 43.4 | 374 |
| ZRMDD051 | 228 | 229 | 1 | 1.09 | 0.39 | 16.6 | 53.5 | 259 |
| ZRMDD051 | 229 | 230 | 1 | 1.80 | 1.14 | 70.6 | 96.9 | 967 |
| ZRMDD051 | 230 | 231 | 1 | 1.92 | 1.6 | 80.6 | 82.4 | 879 |
| ZRMDD051 | 231 | 232 | 1 | 1.43 | 0.67 | 43.5 | 48.2 | 141 |
| ZRMDD051 | 232 | 233 | 1 | 2.93 | 0.95 | 58.8 | 30 | 282 |
| ZRMDD051 | 233 | 234 | 1 | 1.81 | 2.71 | 186.5 | 40.2 | 969 |
| ZRMDD051 | 234 | 235 | 1 | 0.70 | 1.26 | 60.4 | 75.1 | 234 |
| ZRMDD051 | 235 | 236 | 1 | 0.02 | 0.59 | 18.4 | 34.5 | 487 |
| ZRMDD051 | 236 | 237 | 1 | 0.02 | 0.18 | 11.2 | 27.8 | 85 |
| ZRMDD051 | 237 | 238 | 1 | 0.02 | 0.55 | 22.5 | 47.4 | 125 |

| Hole ID | From | To | Interval | Au ppm | Ag ppm | Cu ppm | Pb ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|
| ZRMDD051 | 238 | 239 | 1 | 0.03 | 1.75 | 166.5 | 31.8 | 114 |
| ZRMDD051 | 239 | 240 | 1 | -0.01 | 0.16 | 8 | 35.7 | 54 |
| ZRMDD051 | 240 | 241 | 1 | 0.02 | 0.29 | 5.2 | 29.9 | 57 |
| ZRMDD051 | 241 | 242 | 1 | -0.01 | 0.29 | 8.6 | 31.8 | 85 |
| ZRMDD051 | 242 | 243 | 1 | -0.01 | 0.09 | 10.7 | 18.6 | 99 |
| ZRMDD051 | 243 | 244 | 1 | 0.01 | 0.09 | 9.3 | 17 | 109 |
| ZRMDD051 | 258 | 259 | 1 | 0.01 | 0.43 | 15 | 34.9 | 106 |
| ZRMDD051 | 259 | 260 | 1 | 0.01 | 0.52 | 9.3 | 30.6 | 126 |
| ZRMDD051 | 260 | 261 | 1 | 0.01 | 0.9 | 15.2 | 69.8 | 127 |
| ZRMDD051 | 261 | 262 | 1 | 0.18 | 2.64 | 22.5 | 82.2 | 217 |
| ZRMDD051 | 262 | 263 | 1 | 0.23 | 3.07 | 27.2 | 165.5 | 101 |
| ZRMDD051 | 263 | 264 | 1 | 0.03 | 1.96 | 37.4 | 75.3 | 87 |
| ZRMDD051 | 264 | 265 | 1 | 0.01 | 1.8 | 5.3 | 32.4 | 45 |
| ZRMDD051 | 265 | 266 | 1 | 0.01 | 0.2 | 2.2 | 33.4 | 44 |
| ZRMDD051 | 266 | 267 | 1 | 0.22 | 0.36 | 8.7 | 88.7 | 44 |
| ZRMDD051 | 267 | 268 | 1 | 0.35 | 0.55 | 14.5 | 128.5 | 108 |
| ZRMDD051 | 395 | 396 | 1 | 0.01 | 0.22 | 32.2 | 25.5 | 97 |
| ZRMDD051 | 396 | 397 | 1 | -0.01 | 0.25 | 18.2 | 21.1 | 107 |
| ZRMDD051 | 397 | 398 | 1 | 0.01 | 0.31 | 46.3 | 25.8 | 112 |
| ZRMDD051 | 398 | 399 | 1 | 0.01 | 0.27 | 26.6 | 27 | 110 |
| ZRMDD051 | 399 | 400 | 1 | -0.01 | 0.15 | 18.7 | 24.1 | 104 |
| ZRMDD051 | 630 | 631 | 1 | -0.01 | 0.11 | 3.8 | 29.2 | 113 |
| ZRMDD051 | 631 | 632 | 1 | 0.01 | 0.19 | 6.4 | 41.1 | 112 |
| ZRMDD051 | 632 | 633 | 1 | -0.01 | 0.11 | 3.1 | 30.6 | 111 |
| ZRMDD051 | 633 | 634 | 1 | -0.01 | 0.12 | 3.7 | 31 | 111 |
| ZRMDD051 | 634 | 635 | 1 | -0.01 | 0.12 | 3.9 | 31.7 | 108 |
| ZRMDD051 | 635 | 636 | 1 | -0.01 | 0.11 | 3.3 | 32.6 | 109 |
| ZRMDD051 | 636 | 637 | 1 | -0.01 | 0.16 | 4 | 32.4 | 112 |
| ZRMDD051 | 637 | 637.5 | 0.5 | 0.02 | 0.29 | 8.2 | 32 | 111 |
| ZRMDD051 | 637.5 | 638 | 0.5 | -0.01 | 0.09 | 4 | 29.3 | 101 |
| ZRMDD051 | 638 | 639 | 1 | -0.01 | 0.14 | 4.3 | 34.6 | 108 |
| ZRMDD051 | 639 | 640 | 1 | -0.01 | 0.08 | 4.5 | 27.9 | 100 |
| ZRMDD050 | 165.5 | 166 | 0.5 | -0.01 | 0.3 | 95.9 | 15.2 | 80 |
| ZRMDD050 | 166 | 166.6 | 0.6 | -0.01 | 0.08 | 47.2 | 13 | 80 |
| ZRMDD050 | 166.6 | 167 | 0.4 | -0.01 | 0.05 | 13.6 | 14 | 71 |
| ZRMDD050 | 167 | 168 | 1 | -0.01 | 0.21 | 113.5 | 16.2 | 62 |
| ZRMDD050 | 168 | 169 | 1 | -0.01 | 0.06 | 19.6 | 15.8 | 76 |
| ZRMDD050 | 169 | 170 | 1 | -0.01 | 0.07 | 17.5 | 15.4 | 82 |

## Appendix 1: Red Mountain Project - JORC Table 1 - EPM26384

| Criteria | JORC Code Explanation | Commentary |
|---|---|---|
| ***Sampling techniques*** | *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.*<br>*Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.*<br>*Aspects of the determination of mineralisation that are Material to the Public Report.*<br>*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.* | At Red Mountain gold + silver mineralised RC intervals are systematically sampled using industry standard 1m intervals and 4m composites collected from reverse circulation (RC) drill holes and/or 4m composites from reconnaissance Aircore traverses. Surface and underground Diamond holes may be sampled along sub 1m geological contacts, otherwise 1m intervals are the default.<br>Drill hole locations were designed to allow for spatial spread across the interpreted mineralised zone. All RC samples are collected, and cone split to 3-4kg samples on 1m metre intervals, then 4m composites are speared from the bulk residue bags before despatching the laboratory. Aircore samples are speared from piles on the ground and are composited into 4m intervals before despatching to the laboratory. Single metre bottom of hole Aircore samples are also collected for trace element determinations. Diamond core is half cut along downhole orientation lines. Much of the rhyolite host rock was broken, preventing orientation lines to be drawn. Half core was sent to the laboratory for analysis and the other half is retained for future reference. Standard fire assaying was employed using a 50gm charge with an AAS finish for all diamond, RC and Aircore chip samples. Trace element determination when undertaken uses a multi (4) acid digest and ICP- AES or MS finish. |
| ***Drilling techniques*** | *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* | Drilling is completed using best practice HQ + NQ diamond core, 5 ¾" face sampling RC drilling hammers for all RC drill holes at Split Rocks and 3" Aircore bits/RC hammers. |

| Criteria | JORC Code Explanation | Commentary |
|---|---|---|
| | *core is oriented and if so, by what method, etc).* | |
| ***Drill sample recovery*** | *Method of recording and assessing core and chip sample recoveries and results assessed.*<br>*Measures taken to maximise sample recovery and ensure representative nature of the samples.*<br>*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.* | All diamond core is jigsawed to ensure any core loss, if present is fully accounted for. Bulk RC and Aircore drill holes samples are visually inspected by the supervising geologist to ensure adequate clean sample recoveries are achieved. Note Aircore drilling while clean is not preferred in any resource estimation work. Any wet, contaminated or poor sample returns are flagged and recorded in the database to ensure no sampling bias is introduced.<br>Zones of poor sample return both in RC and Aircore are recorded in the database and cross checked once assay results are received from the laboratory to ensure no misrepresentation of sampling intervals has occurred. Zero sample recovery is achieved while navi drilling. The navi lengths are kept to a minimum and avoided when close to potentially mineralised units. |
| ***Logging*** | *Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.*<br>*Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.*<br>*The total length and percentage of the relevant intersections logged.* | All drill samples are geologically logged on site by professional geologists. Details on the host lithologies, deformation, dominant minerals including sulphide species and alteration minerals plus veining are recorded relationally (separately) so the logging is interactive and not biased to lithology.<br>Drill hole logging is qualitative on visual recordings of rock forming minerals and quantitative on estimates of mineral abundance.<br>The entire length of each drill hole is geologically logged. |
| ***Sub-sampling techniques and sample preparation*** | *If core, whether cut or sawn and whether quarter, half or all core taken.*<br>*If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.*<br>*For all sample types, the nature, quality and appropriateness of the sample preparation technique.* | Duplicate samples are collected every 25$^{th}$ sample from the RC and Aircore chips as well as quarter core from the diamond holes. Further, with selected drill-outs additional duplicates will be planned by ensuring there is an adequate spread of duplicate samples (25%) |

| Criteria | JORC Code Explanation | Commentary |
|---|---|---|
| | *Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples. Measures taken to ensure that the sampling is representative of the in situ material collected, including for instance results for field duplicate/second-half sampling. Whether sample sizes are appropriate to the grain size of the material being sampled.* | taken from predicted ore positions when ore zones are projected from adjacent drill holes.<br>Dry RC 1m samples are riffle split to 3-4kg as drilled and dispatched to the laboratory. Any wet samples are recorded in the database as such and allowed to dry before splitting and dispatching to the laboratory.<br>All core, RC and Aircore chips are pulverized prior to splitting in the laboratory to ensure homogenous samples with >85% passing 75um. 200gm is extracted by spatula that is used for the 50gm charge on standard fire assays.<br>All samples submitted to the laboratory are sorted and reconciled against the submission documents. In addition to duplicates a high grade or low grade standard is included every 50$^{th}$ sample, a controlled blank is inserted every 100$^{th}$ sample. The laboratory uses barren flushes to clean their pulveriser and their own internal standards and duplicates to ensure industry best practice quality control is maintained.<br>The sample size is considered appropriate for the type, style, thickness and consistency of mineralisation. |
| ***Quality of assay data and laboratory tests*** | *The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.*<br>*For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc.*<br>*Nature of quality control procedures adopted (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and* | The fire assay method is designed to measure the total gold in the diamond core, RC and Aircore samples. The technique involves standard fire assays using a 50gm sample charge with a lead flux (decomposed in the furnace). The prill is totally digested by HCl and $HNO_3$ acids before measurement of the gold determination with AAS finishes to give a lower limit of detection of 0.005 g/t Au. Aqua regia digest is considered adequate for surface soil sampling.<br>No field analyses of gold grades are completed. Quantitative analysis of the gold content and trace elements |

| Criteria | JORC Code Explanation | Commentary |
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| | *precision have been established.* | is undertaken in a controlled laboratory environment.<br>Industry best practice is employed with the inclusion of duplicates and standards as discussed above and used by Zenith as well as the laboratory. All Zenith standards and blanks are interrogated to ensure they lie within acceptable tolerances. Additionally, sample size, grind size and field duplicates are examined to ensure no bias to gold grades exists. |
| ***Verification of sampling and assaying*** | *The verification of significant intersections by either independent or alternative company personnel.*<br>*The use of twinned holes.*<br>*Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.*<br>*Discuss any adjustment to assay data.* | Alternative Zenith personnel must inspect the diamond core, RC and Aircore chips in the field to verify the correlation of mineralised zones between assay results and lithology, alteration and mineralisation.<br>All holes are digitally logged in the field and all primary data is forwarded to Zenith's Database Administrator (DBA) where it is imported into Expedio, a commercially available and industry accepted database software package. Assay data is electronically merged when received from the laboratory. The responsible project geologist reviews the data in the database to ensure that it is correct and has merged properly and that all the drill data collected in the field has been captured and entered the database correctly.<br>The responsible geologist makes the DBA aware of any errors and/or omissions to the database and the corrections (if required) are made in the database immediately.<br>No adjustments or calibrations are made to any of the assay data recorded in the database. |
| ***Location of data points*** | *Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.*<br>*Specification of the grid system used.* | All drill hole collars are picked up using accurate DGPS survey control.<br>All down hole surveys are collected using north seeking gyros survey tools.<br>All holes are picked up in MGA94 – |

| Criteria | JORC Code Explanation | Commentary |
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| | *Quality and adequacy of topographic control.* | Zone 56 grid coordinates. Magnetic declination at 9.75degrees is also taken into account.<br>DGPS RL measurements captured the collar surveys of the drill holes prior to the resource estimation work. |
| ***Orientation of data in relation to geological structure*** | *Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.*<br>*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.* | The core drilling and RC drilling is generally completed orthogonal to the interpreted strike of the target horizon(s). Aircore drilling is completed on systematic MGA E-W or N-S traverses with holes nominally 50m apart. |
| ***Sample security*** | *The measures taken to ensure sample security.* | Sample security is integral to Zenith's sampling procedures. All bagged samples are delivered directly from the field to the assay laboratory in Townsville whereupon the laboratory checks the physically received samples against Zenith's sample submission/dispatch notes. |
| ***Audits or reviews*** | *The results of any audits or reviews of sampling techniques and data.* | Sampling techniques and procedures are reviewed prior to the commencement of new work programmes to ensure adequate procedures are in place to maximize the sample collection and sample quality on new projects. No external audits have been completed to date. |

***Part 2: Reporting of Exploration Results***

| Criteria | JORC Code explanation | Commentary |
|---|---|---|
| ***Mineral tenement and land tenure status*** | • *Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings.*<br>• *The security of the tenure held at the time of reporting along with any known impediments to obtaining a* | • The Red Mountain Tenement (EPM26384) is owned 100% by Zenith through its wholly owned subsidiary Black Dragon Energy (Aus) Pty Ltd. Heritage surveys were completed as required prior to any ground disturbing activities in accordance with Zenith's responsibilities under the Aboriginal Heritage Act in Australia. |

| Criteria | JORC Code explanation | Commentary |
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| | *licence to operate in the area.* | • Currently the Tenement is in good standing. There are no known impediments to obtaining licences to operate in the area. |
| ***Exploration done by other parties*** | • *Acknowledgment and appraisal of exploration by other parties.* | • Exploration and mining by other parties has been reviewed and is used as a guide to Zenith's exploration activities. There was no previous exploration drilling before Zenith's. |
| ***Geology*** | • *Deposit type, geological setting and style of mineralisation.* | • The targeted mineralisation is typical of Permo-Carb. Intrusion related Gold Systems found elsewhere throughout central and northern Queensland. In all instances the mineralisation is controlled by anastomosing shear zones/fault breccias passing through competent rock units, brittle fracture and stockwork mineralisation is common within the granodiorite and rhyolite host rocks. |
| ***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:*<br>  ○ *easting and northing of the drill hole collar*<br>  ○ *elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar*<br>  ○ *dip and azimuth of the hole*<br>  ○ *down hole length and interception depth*<br>  ○ *hole length.*<br>• *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 drill holes reported by Zenith must have the following parameters applied. All drill holes completed, including holes with no significant results (as defined in the Attachments) are reported in this announcement.<br>• Easting and northing are given in MGA94 coordinates as defined in the Attachments.<br>• RL is AHD.<br>• Dip is the inclination of the hole from the horizontal. Azimuth is reported in magnetic degrees as the direction the hole is drilled. MGA94 and magnetic degrees vary by $9.75^0$ in the project area. All reported azimuths are corrected for magnetic declinations.<br>• Down hole length is the distance measured along the drill hole trace. Intersection length is the thickness of an anomalous gold intersection measured along the drill hole trace.<br>• Hole length is the distance from |

| Criteria | JORC Code explanation | Commentary |
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| | | the surface to the end of the hole measured along the drill hole trace.<br>• No results currently available from the exploration drilling are excluded from this report. Gold grade intersections >0.10 g/t Au within 4m Aircore composites or >0.5 g/t Au within single metre RC or diamond samples (with up to 5m of internal dilution, where geological continuity is inferred) are considered significant in the broader mineralised host rocks. Diamond core samples are generally cut along geological contacts or up to 1m maximum.<br>• Gold grades greater than 0.1 g/t Au are highlighted where good continuity of higher-grade mineralisation. |
| ***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.*<br>• *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.*<br>• *The assumptions used for any reporting of metal equivalent values should be clearly stated.* | • The first gold assay result received from each sample reported by the laboratory is tabled in the list of significant assays. Subsequent repeat analyses when performed by the laboratory are checked against the original to ensure repeatability of the assay results.<br>• Weighted average techniques are applied to determine the grade of the anomalous interval when geological intervals less than 1m have been sampled.<br>• Exploration drilling results are generally reported using a 0.1 g/t Au lower cut-off for RC, diamond or Aircore drilling (as described above and reported in the Attachments) and may include up to 5m of internal dilution.<br>• All assay results are reported to 3 significant figures in line with the analytical precision of the laboratory techniques employed.<br>• No metal equivalent reporting is used or applied. |
| ***Relationship between*** | • *These relationships are particularly important in the reporting of* | • The intersection length is measured down the length of the |

| Criteria | JORC Code explanation | Commentary |
|---|---|---|
| ***mineralisation widths and intercept lengths*** | *Exploration Results.*<br>• *If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.*<br>• *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').* | hole and is not usually the true width. When sufficient knowledge on the thickness of the intersection is known an estimate of the true thickness is provided. |
| ***Diagrams*** | • *Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.* | • Detailed drill hole sections and plans for each prospect must be plotted and interpreted as part of the internal QAQC process. Field sections must be compared with Micromine plots to ensure no errors or omissions creep into the database.<br>• The field geologist will interpret/plot their geological observations onto cross sections while logging the hole in the field before validating and transferring the digital data to the DBA.<br>• Errors and/or discrepancies with lithological logs must be rectified and forwarded to Perth before the assay results are received.<br>• Final cross sections displaying corrected geology and assays are plotted and interpreted. Depending on the target 3-D wireframes may require construction too. At the very least cross- sectional data must be translated into plan view and the relevant scaled (1:2,500 or 1:25,000) geological interpretation be updated and integrated in MapInfo. The project geologist will draft any changes/modifications required as directed by the relevant project geologist / EM. |
| ***Balanced reporting*** | • *Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading* | • Significant widths are defined in the body of the report, detailing cut-off values employed, any internal dilution and from to intervals.<br>• NSR refer to all other |

| Criteria | JORC Code explanation | Commentary |
|---|---|---|
| | *reporting of Exploration Results.* | intersections that don't meet the criteria described. |
| ***Other substantive exploration data*** | • *Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples - size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.* | • All known exploration data has been reported in this release and/or referenced from previous announcements and/or historical exploration company reports where appropriate. |
| ***Further work*** | • *The nature and scale of planned further work ( e.g. tests for lateral extensions or depth extensions or large-scale step-out drilling).*<br>• *Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas.* | • Details of proposed future work programmes with appropriate plans and cross sections will be released separately. |