SULTAN RESOURCES

Sultan Resources Ltd
ACN: 623652 522

CORPORATE DETAILS

ASX Code: SLZ

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15th March 2022

BIG HILL EXPLORATION UPDATE

- **Diamond drilling targeting altered and mineralised structures at the Razorback prospect, Big Hill completed in late 2021.**
  - **A total of 5 holes for 519 metres completed**
  - **Co-funded grant of up to $81k awarded for the program**
- **All holes intersected a strongly altered and veined structure containing sulphide minerals that correlates with surface mapping and sampling**
- **Results have been received and show:**
  - **Elevated levels of porphyry-style mineralisation in elements such as Au, Ag, Cu, As, Sb, Mo, W**
  - **Results are consistent with the style and intensity of alteration and mineralisation distal to a mineralising porphyry system**
- **The drilling has confirmed the potential for the discovery of porphyry Cu-Au mineralisation at Big Hill and provided important vectors towards the most prospective part of the system**

Sultan Resources Limited (ASX: SLZ) (**Sultan** or **Company**) is pleased to provide an update to the market from the Company's Big Hill Cu-Au porphyry project in the Lachlan Fold Belt NSW. Full results for drilling undertaken at the Razorback structure in late 2021 have now been received.

During November and December 2021, Sultan undertook the maiden diamond drill program at the Company's Razorback Ridge Au-Cu prospect in Central NSW. As part of the Big Hill Au-Cu porphyry project in the Company's Lachlan Fold Belt ("LFB") portfolio, the drill program was designed to target the structural host beneath outcropping high-grade Cu and Au mineralisation at Razorback. Five diamond drillholes for a total of 519m were completed. All holes successfully intersected the mineralized structure beneath the outcropping skarn breccia previously sampled and mapped at surface (ASX Announcement 30/09/2020). Extended delays due to repeated wet weather conditions at site resulted in the total drilling meters being less than originally planned.

The drilling is being supported via the New Frontiers Cooperative Drilling Grants Program - Round 4 by the Department of Regional NSW with a co-funded drilling grant of up to $81,000 awarded to Sultan to help cover 50% of direct drilling costs.

Final assay results have now been received and initial interpretations completed.

Razorback Drilling Results and Interpretation

RZDD001 and **RZDD002** (Figures 1 & 2) were drilled on the same section to test elevated surface geochemistry within an outcropping skarn breccia. These holes were drilled to 69.2 and 107.7m respectively and both intersected skarn-altered brecciated limestone containing quartz-carbonate-magnetite veining with minor chalcopyrite and pyrite. They passed through the down dip extension of the outcropping skarn breccia trend and concluded in approximately 40m of chlorite-magnetite altered volcanoclastic sandstone with abundant hematite alteration of clasts and stringers.

Assay results from both holes show elevated levels of gold, copper, silver, arsenic, antimony, molybdenum, tungsten and a noticeable depletion in zinc. No economic levels of these elements were recorded in either hole, indicating that strong supergene enrichment of the structure at surface resulting in the higher-grade rock sample results has occurred. This enrichment could also have depleted some of the original mineralisation immediately below the surface within the structure. Although still at low levels, gold mineralisation appears to be increasing in RZDD002 where the structure was intersected some 30m below RZDD001.

Hole **RZDD001** returned maximum results from within an 8m down hole intersection (10 – 18m) of 0.014 g/t Au (14-16m), 0.04g/t Ag (10 – 14m), 0.035% Cu (12 – 18m), 0.53ppm Mo (10 – 18m).

Hole **RZDD002** returned maximum results from within a 10m down hole intersection (51 –61m) of 0.049 g/t Au (52-53m), 0.09g/t Ag (52 – 53m), 0.07% Cu (52 – 53m), 1.85ppm Mo (55 – 58m), 4.13ppm W (54 – 58m).

The full set of assay results for relevant elements for all holes is included in Appendix 1

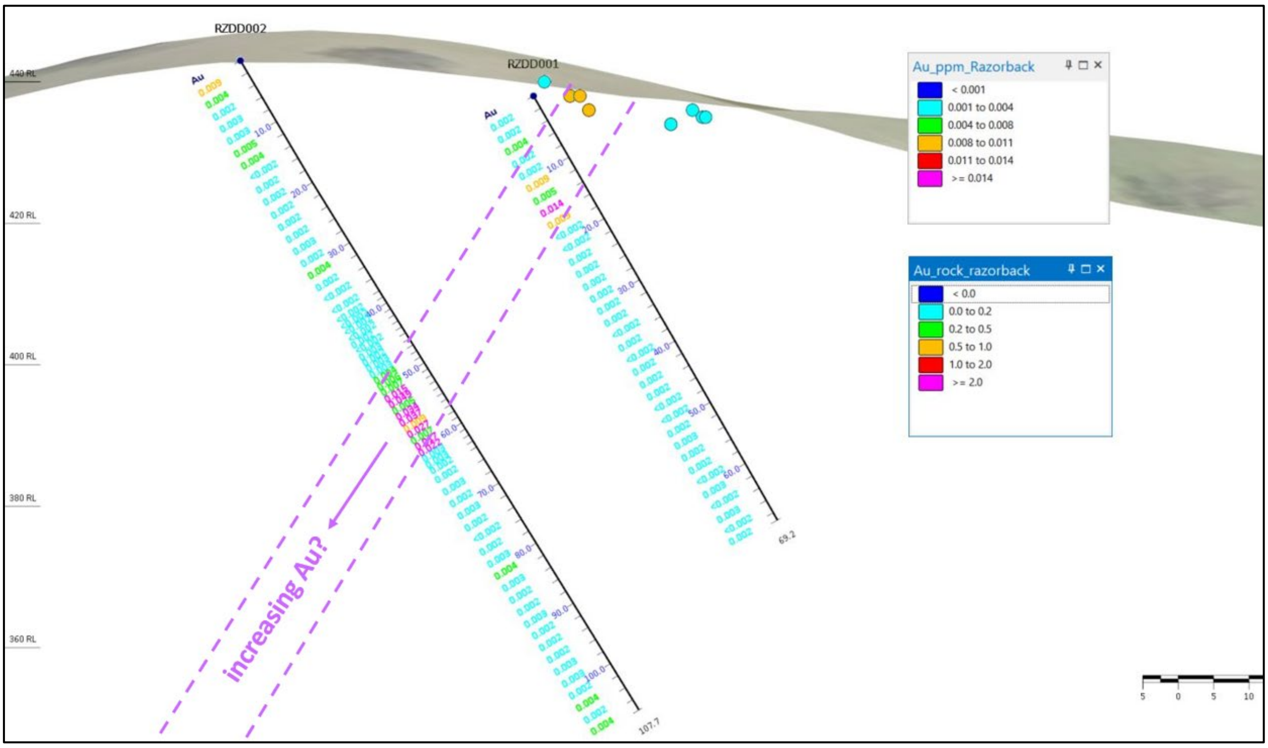

Figure 1: Cross-section, looking north, of holes RZDD001 and 002 showing down hole gold assays. The general tenor of elevated gold content increases in hole 2, suggesting the mineralisation might increase with depth.

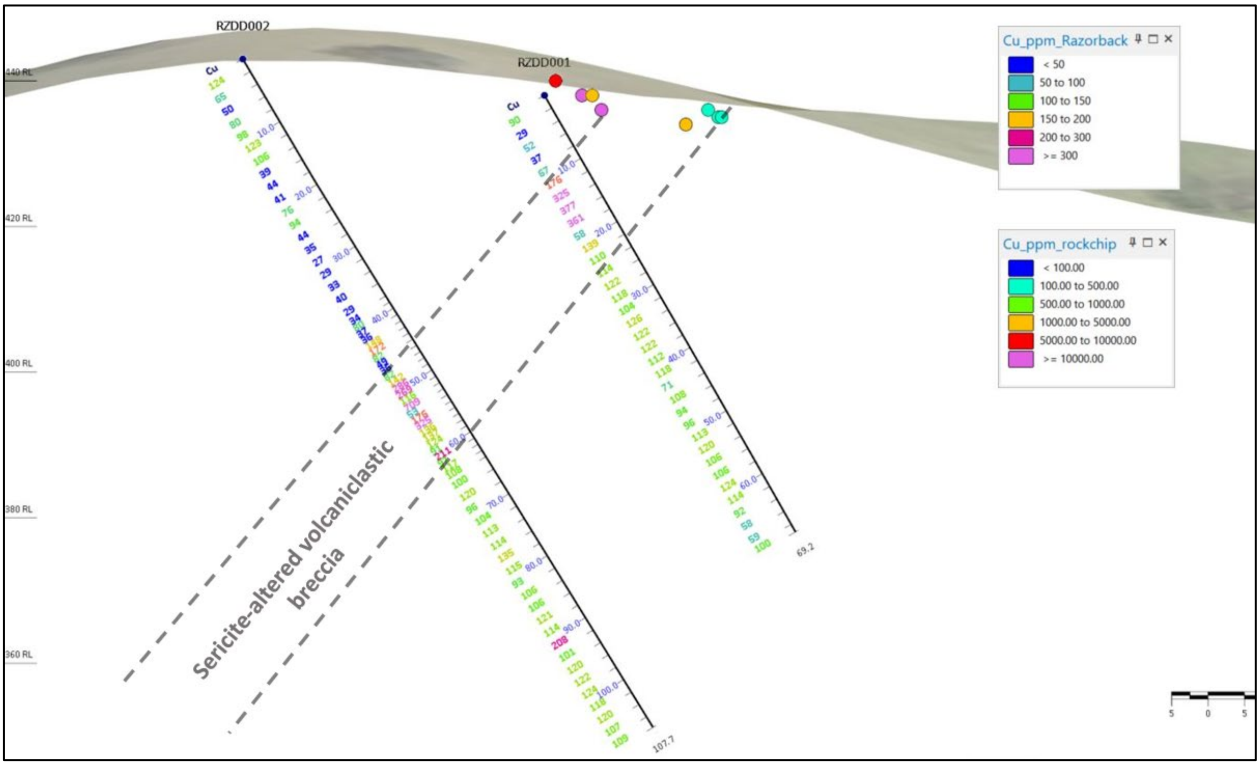

Figure 2: Cross-section, looking north, of holes RZDD001 and 002 showing down hole copper assays.

RZDD003 and **RZDD004** (Figures 3 & 4) were drilled on the same section approximately 150m north of RZDD001 and RZDD002 along the skarn trend with end of hole depths of 90.4m and 171.3m respectively. RZDD003 intersected a 10m zone of quartz-carbonate veined and sericite-altered, hydrothermal breccia containing abundant finely-disseminated pyrite and fuchsite blebs. Dominant units intersected throughout the hole were andesitic-rich, chlorite-magnetite altered volcaniclastics containing minor to moderate quartz-carbonate veining and trace blebs of chalcopyrite and bornite. Hole RZDD004, the deepest drilled at Razorback, encountered intervals of quartz-sericite-pyrite alteration throughout the hole at 15-30m, 31-37m and 61-74m. Associated with these zones were encouraging sulfide contents of pyrite, chalcopyrite and bornite. This hole intersected multiple structures interpreted to be represented by various zones of sericite bleached volcaniclastic breccias with quartz-carbonate veining and infill containing disseminated pyrite and minor chalcopyrite-bornite blebs. The hole was terminated in unaltered chlorite-magnetite volcaniclastics

The increase in alteration intensity and width, and stronger elevated metal contents compared to holes further south suggests that these holes are closer to the source of mineralising fluids at Big Hill. These holes are on the southern edge of the Big Hill intrusive complex and provide an exploration vector towards the potential mineralising porphyry.

Hole **RZDD003** returned maximum results from within an 8m down hole structure intersection (30 – 38m) of 0.11 g/t Au (31-32m), 0.15 g/t Ag (31 – 32m), 0.04% Cu (30-31m & 36-37m), 2.8ppm Mo (31-32m) and 5.6ppm W (35-37m).

Hole **RZDD004** returned maximum results from within a 12m down hole structure intersection (62 – 74m) of 0.16 g/t Au (67-68m), 0.10 g/t Ag (64 – 65m), 0.04% Cu (64-65m & 67-68m), 3.14 ppm Mo (63 – 65m) and 3.4ppm W (71-72m).

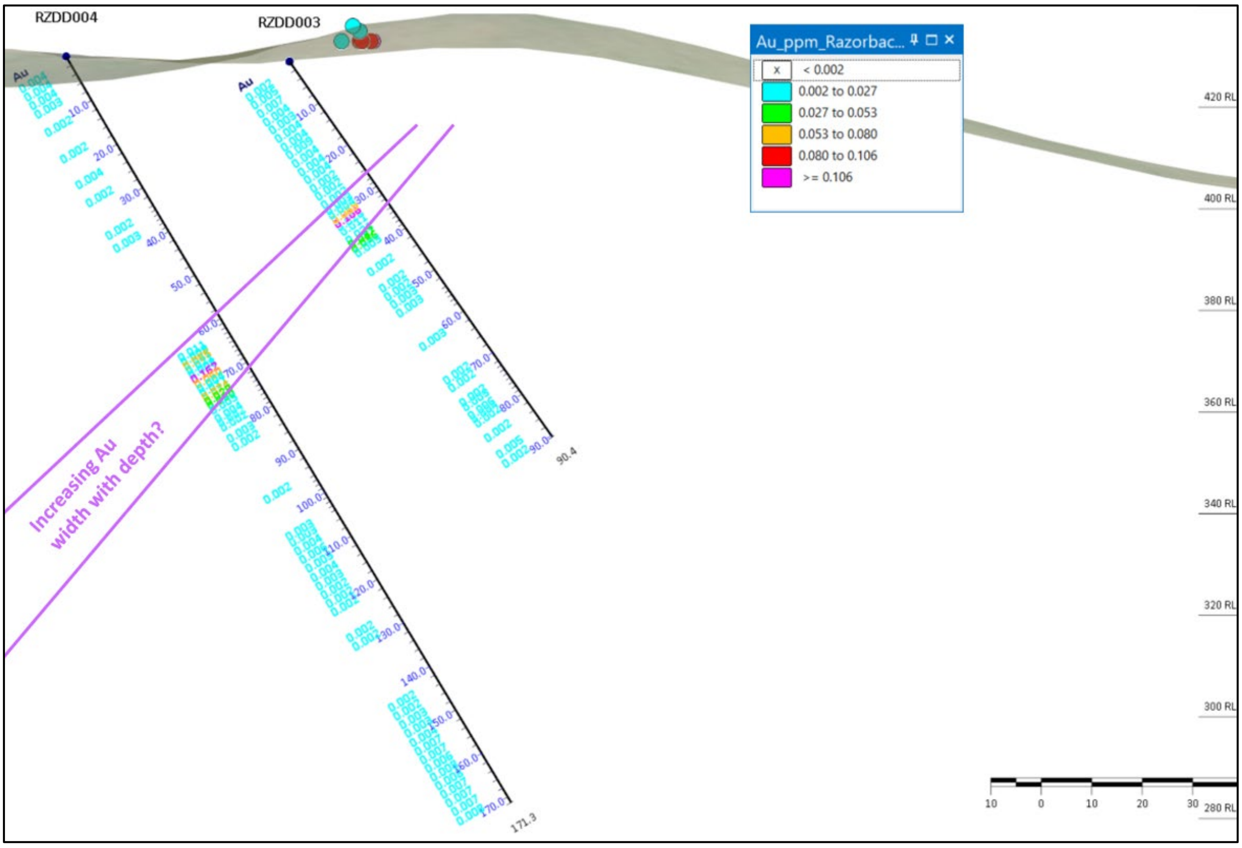

Figure 3: Cross-section, looking north, of holes RZDD003 and 004 showing down hole gold assays. The general tenor and thickness of elevated gold content increases in hole 4, suggesting the mineralisation is improving with depth.

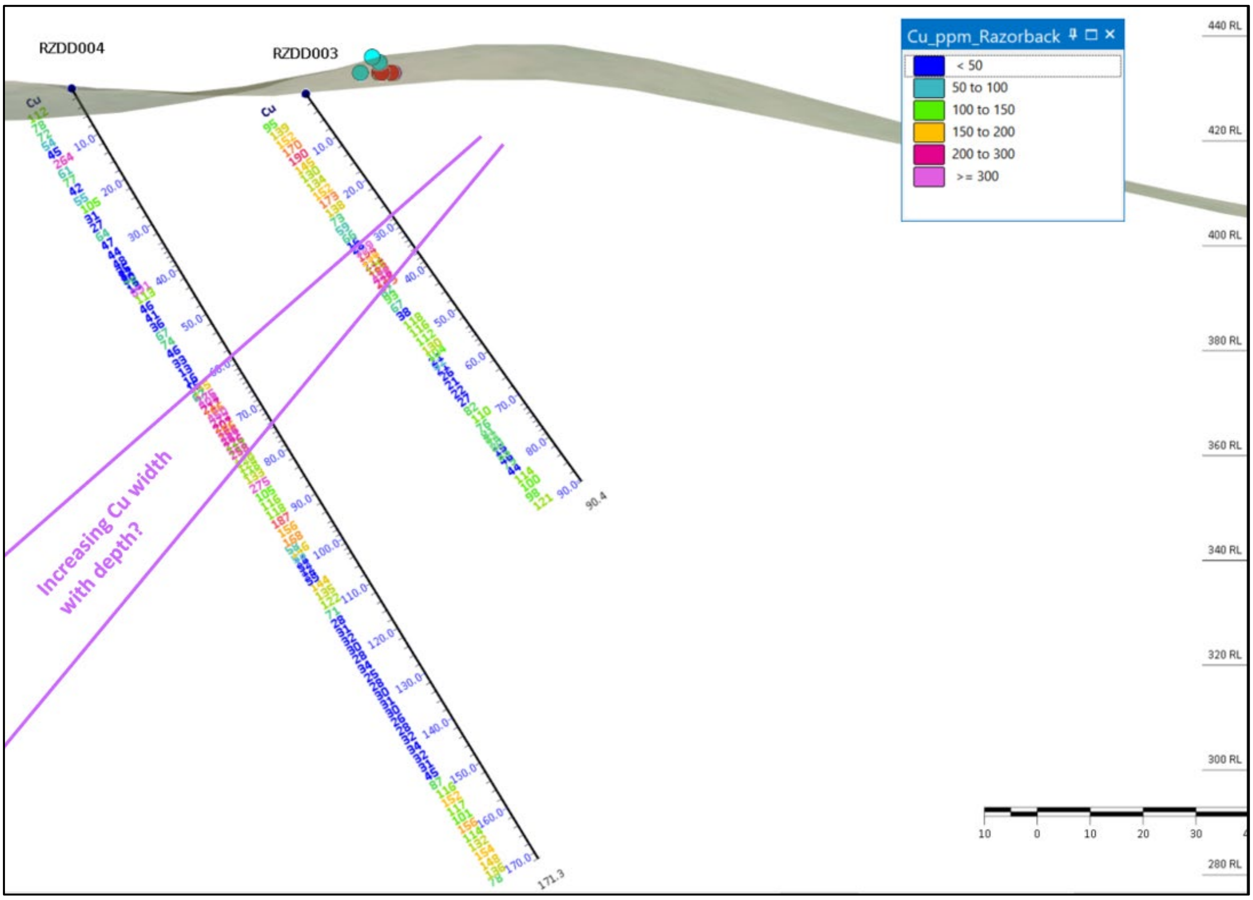

Figure 4: Cross-section, looking north, of holes RZDD003 and 004 showing down hole gold assays. The general tenor and thickness of elevated copper content increases in hole 4, suggesting the mineralisation is improving with depth.

RZDD005 was drilled further south along the outcropping mineralised skarn trend approximately 200m from RZDD002 to a final depth of 80.4m. The volcaniclastic breccia displaying sericite alteration was intersected from 38-49m with minor pyrite and chalcopyrite mineralisation contained within this interval. The hole was terminated in chlorite-magnetite altered volcaniclastics which is the same unit encountered in other holes drilled during the program.

Hole **RZDD005** returned maximum results from multiple down hole structure intersection of 0.11 g/t Au (38-39m), 0.09g/t Ag (57-58m), 0.06% Cu (32-33m), 0.8 ppm Mo (57-58m) and 4.8ppm W (55-56m).

Discussion

Diamond drilling at the Razorback prospect has highlighted the subsurface continuity of a >1km long zone of sericite-altered volcaniclastic breccia associated with significant copper and gold mineralisation previously mapped and sampled at surface (ASX Announcement 30/09/2020). Drilling and geological logging has confirmed that this zone is continuous, extends to at least 85m below surface and is open in all directions.

The assay results have confirmed that the strongly altered structure contains porphyry-type mineralisation despite the low tenor of metal content returned. The suite of elevated elements can be up to 10 times higher than background levels in the holes and strongly supports an interpreted porphyry-related hydrothermal origin for the mineralisation and adds further support to the presence of a major mineralised porphyry system at Big Hill.

The drilling also showed increasing width and alteration intensity in the northern-most holes which are closer to the Big Hill complex. Assay results confirmed that these holes also contained the highest levels of elevated porphyry-related elements, including gold and copper, indicating that the mineralising porphyry intrusion is potentially located between Razorback and the previous Big Hill drill holes. This area has been termed the Big Hill-Razorback trend and occurs as a north-westerly oriented zone between the two prospects (Figures 5 & 6). Recent geological mapping has revealed numerous zones of outcropping copper mineralisation associated with localised zones of silica-magnetite alteration (Figure 5 & 6) within the Razorback-Big Hill trend. Induced Polarisation surveys (ASX Announcement 29/04/2021) show resistivity highs indicative of albite plume model of alteration that elsewhere is often associated with porphyry mineralisation, to also occur along the Big Hill-Razorback trend, coincident with mapped porphyry intrusives and outcropping pyrite and chalcopyrite mineralisation.

Albite is a characteristic propylitic alteration mineral in the upper or outer parts of East Lachlan alkalic Au-Cu porphyry systems, including Cadia Ridgeway. These albite zones can manifest as resistivity high features in IP data sets. The Big Hill-Razorback trend is defined by three prominent resistivity highs, the strongest of which occurs approximately 200m south from the completed drill holes at Big Hill (Figure 5). This suggests the potential for a vector towards stronger zones of albite alteration at depth between Big Hill and the high-grade outcropping mineralisation at Razorback. Drilling at both Big Hill and Razorback intersected zones of disseminated pyrite which are also characteristic of the upper or outer parts of an alkalic East Lachlan-style Au-Cu porphyry system. Geochemical analysis confirms the disseminated pyrite zones contain weakly elevated Te-Mo-Se-Re-As-Pb pathfinders relative to surrounding wall-rocks, consistent with an alkalic Au-Cu porphyry environment (ASX Announcement 29/04/2021). Logged pyrite contents in the Razorback drilling (confirmed by elevated sulphur assays) correlates strongly with elevated gold and copper.

The geological and geophysical evidence indicates that the recent drilling at both Razorback and Big Hill has potentially been located on the margins of a large porphyry-epithermal system. This trend will be targeted in future drill programs after a comprehensive review of geophysical and geochemical datasets.

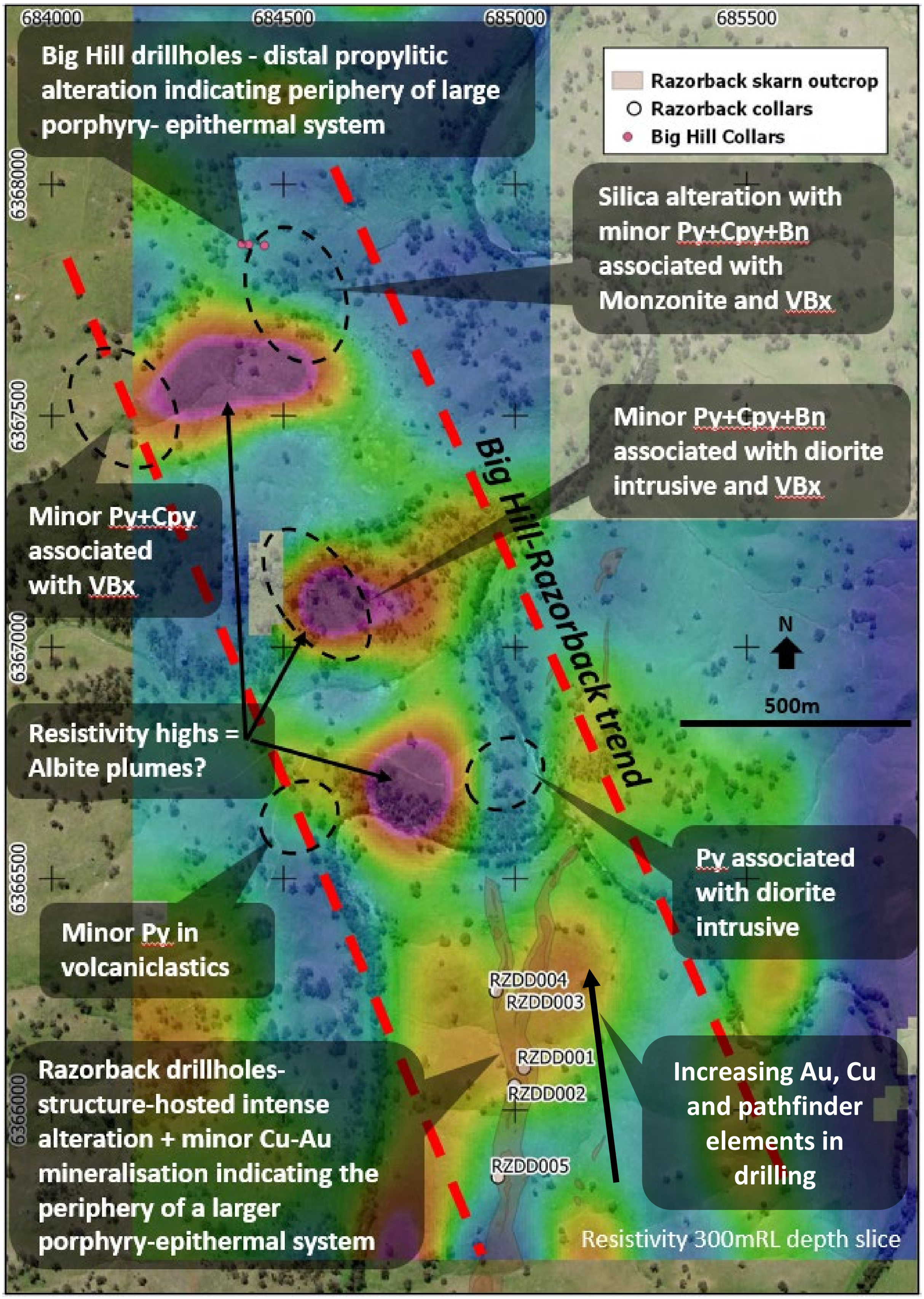

Figure 5: Map view of the Razorback-Big Hill trend with the Resistivity 300mRL depth slice overlaid to highlight the locations of resistivity highs between Razorback and Big Hill. Dashed circles highlight the location of surficial sulphide mineralisation from recent mapping which is broadly coincident with the resistivity highs (refer to Figure 6 and Table 1, below).

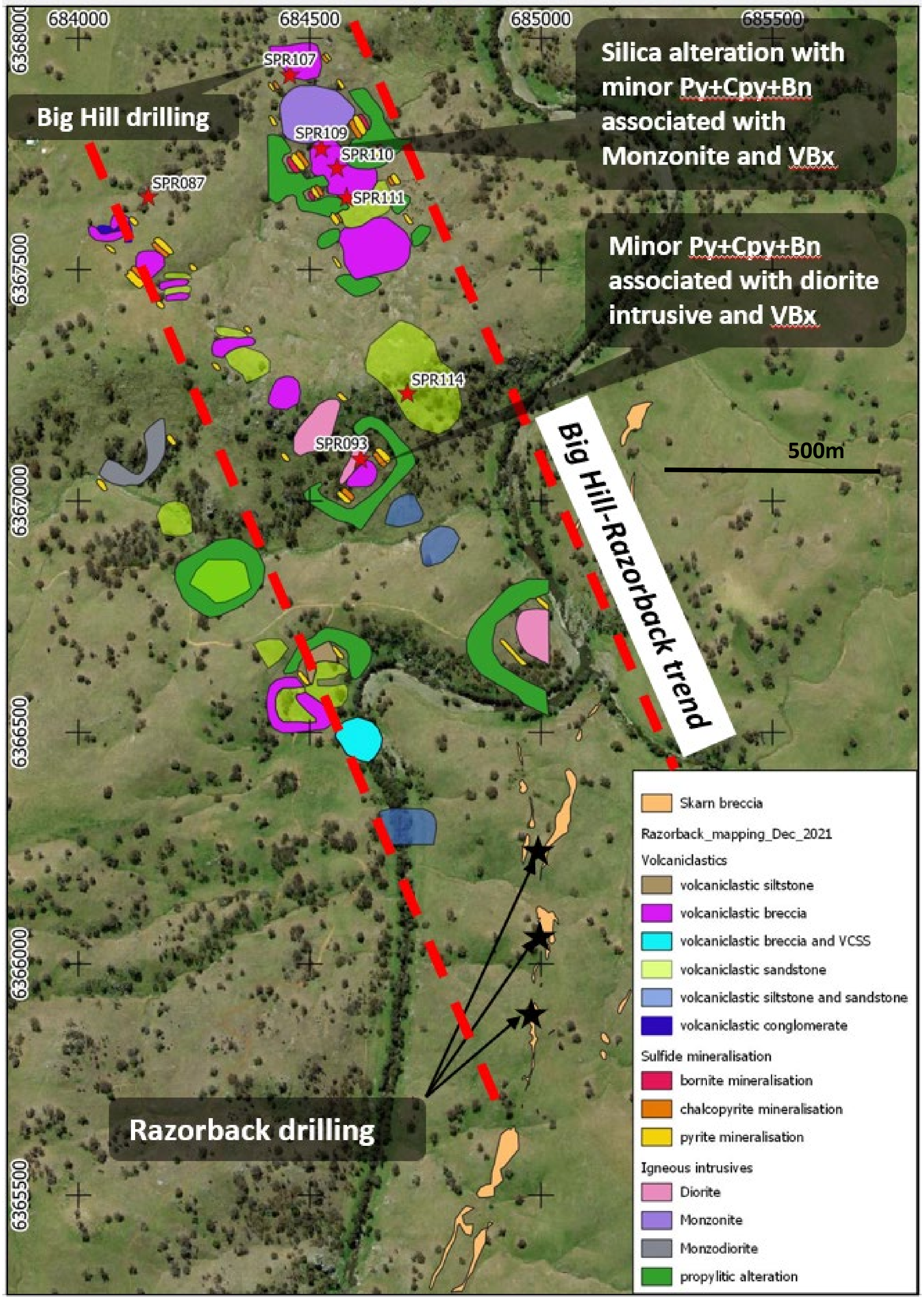

Figure 6: Plan view of recent geological mapping locations with sulfide mineralisation and alteration zones at surface (at same scale as Figure 5). Note the occurrence of sulphides and propylitic alteration zones in the vicinity of intrusive rocks.

Future Work Program

With the Lake Grace Nickel Prospect becoming the priority focus for Sultan early in 2022, work at the LFB suite of projects over the next 6 months will concentrate on further identifying priority deeper drill targets at Big Hill, Tucklan and Ringaroo. This work will include reprocessing of existing geophysical datasets and, where required, further acquisition of geophysical data in conjunction with surface mapping and sampling. Where necessary, limited percussion drilling will be proposed to further define porphyry-related alteration zones and allow construction of 3D alteration vectors towards deeper drill targets.

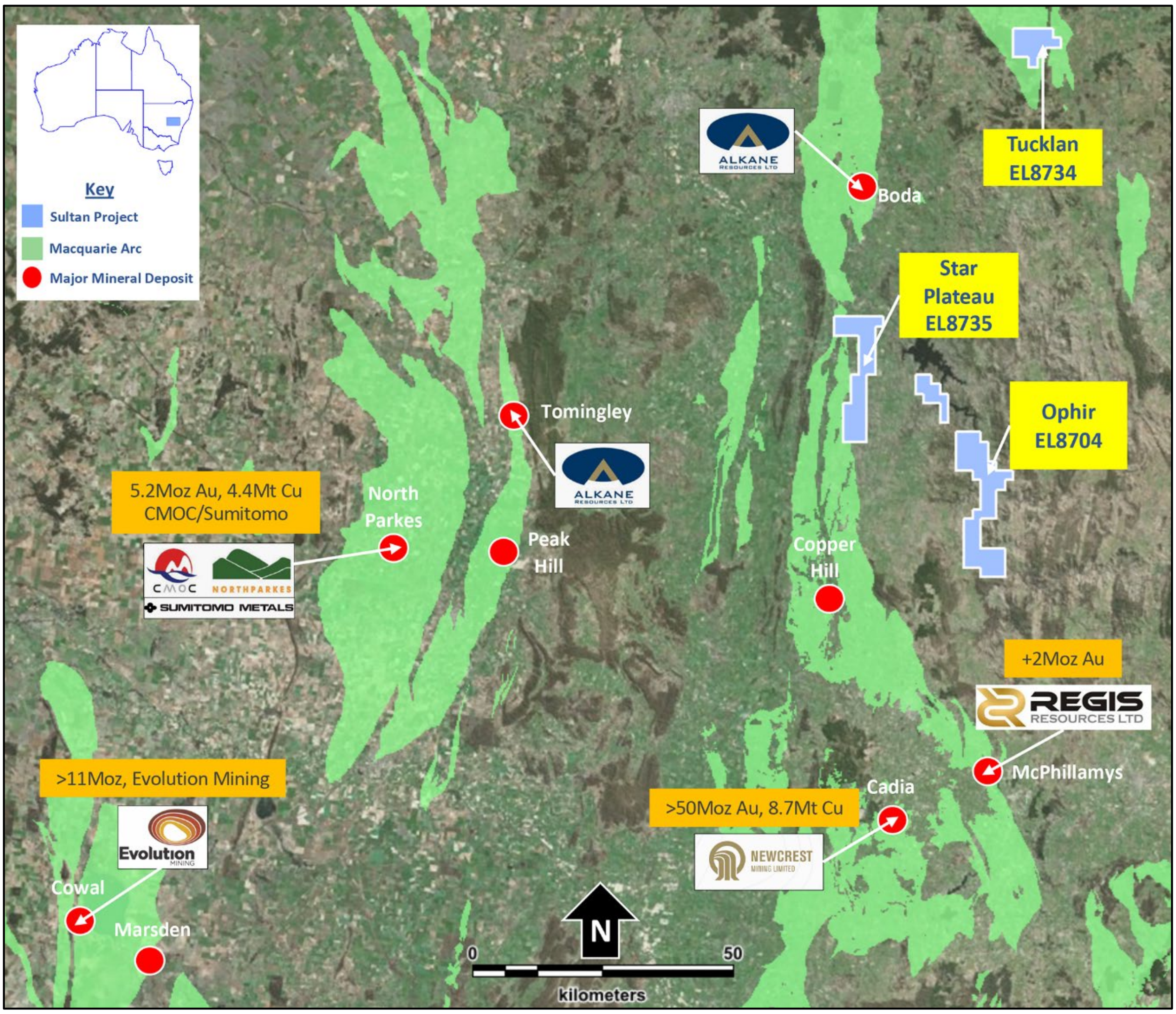

Figure 7: Location Map – Sultan tenements in relation to World Class operating mines of the East Lachlan Fold Belt, and the recent Boda discovery (References for resources at end of document)

The Board welcomes Hannah Cabatit as Joint Company Secretary.

This announcement is authorised by Steve Groves, Sultan Resource Managing Director

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Competent Persons Statement

The information in this report that relates to Exploration Targets and Exploration Results is based on historical and recent exploration information compiled by Mr Steven Groves, who is a Competent Person and a Member of the Australian Institute of Geoscientists. Mr Groves is Managing Director and a full-time employee of Sultan Resources Limited. Mr Groves has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the "Australasian Code for the reporting of Exploration Results, Mineral Resources and Ore Reserves". Mr Groves consents to the inclusion in the report of the matters based on his information in the form and context in which it appears. The Competent Person is not aware of any new information or data that materially affects the information contained in the above sources or the data contained in this announcement.

About Sultan Resources

Sultan Resources is an Australian focused exploration company with a portfolio of quality assets in emerging discovery terranes currently targeted by successful explorers such as Newcrest Mining, Alkane Resources, Gold Road Resources, and Sandfire Resources. Sultan's tenement portfolio includes prospective targets for porphyry Au-Cu, structurally-hosted gold, Nickel, Cobalt and base metals and include tenements located in the highly prospective east Lachlan Fold Belt of Central NSW as well as projects located within the southern terrane region of the Yilgarn Craton in south and south eastern Western Australia. Sultan's board and management strategy is for a methodical approach to exploration across the prospects in order to discover gold and base metals that may be delineated via modern exploration techniques and exploited for the benefit of the company and its shareholders.

References – Lake Grace Nickel

1. Summers, K.W.A., 1969, Final Report, Corrigin Project, WA. Electrolytic Zinc Company of Australasia Limited, WAMEX Report A7659
2. Muskett, R., 2001, Annual and Final Report E70/2029, My Casino Ltd, WAMEX Report A63529

Appendix 1 – Lake Grace Nickel Aircore Collar Details

Hole ID	From (m)	To (m)	Interval (m)	Au (ppm)	Ag (ppm)	As (ppm)	Bi (ppm)	Cu (ppm)	K (%)	Mo (ppm)	Pb (ppm)	S (%)	Sb (ppm)	W (ppm)	Zn (ppm)
RZDD001	0	2	2	0.002	0.01	8.3	0.03	90	1.39	1.31	3.4	0.01	2.37	5.2	51
RZDD001	2	4	2	0.002	0.01	21	0.05	29	1.19	0.94	3.3	0.12	2.14	0.9	51
RZDD001	4	6	2	0.004	0.04	14.6	0.07	52	1.28	0.57	4.6	0.37	1.78	0.4	59
RZDD001	6	8	2	0.002	0.02	8.2	0.11	37	1.45	0.55	4.6	0.43	2.99	1.4	47
RZDD001	8	10	2	0.002	0.02	8.4	0.07	67	1.85	0.55	3.1	0.08	3.96	1.2	34
RZDD001	**10**	**12**	**2**	**0.009**	**0.03**	**10.5**	**0.03**	**176**	**1.2**	**0.53**	**1.7**	**0.14**	**4.03**	**2.9**	**32**
RZDD001	**12**	**14**	**2**	**0.005**	**0.04**	**6.9**	**0.02**	**325**	**1.13**	**0.33**	**2**	**0.11**	**3.19**	**1.8**	**35**
RZDD001	**14**	**16**	**2**	**0.014**	**0.02**	**14.2**	**0.03**	**377**	**0.65**	**0.51**	**1.6**	**0.22**	**2.73**	**1**	**42**
RZDD001	**16**	**18**	**2**	**0.009**	**0.02**	**7.5**	**0.03**	**361**	**0.71**	**0.75**	**2.4**	**0.11**	**2.65**	**0.6**	**50**
RZDD001	18	20	2	0.002	0.01	3.2	0.01	58	1.25	0.19	3.5	0.01	2.68	0.7	63
RZDD001	20	22	2	0.001	0.04	2.5	0.01	139	1.47	0.25	3.5	0.01	1.7	0.3	100
RZDD001	22	24	2	0.002	0.03	2	0.01	110	1.64	0.22	3.2	0.01	1.13	0.1	116
RZDD001	24	26	2	0.002	0.03	2.7	0.01	115	1.37	0.27	3.2	0.01	1.18	0.2	102
RZDD001	26	28	2	0.002	0.03	2.3	0.01	123	1.25	0.22	2.8	0.01	0.88	0.1	111
RZDD001	28	30	2	0.002	0.04	2.6	0.01	118	0.81	0.25	2.9	0.01	0.84	0.1	112
RZDD001	30	32	2	0.002	0.02	3.5	0.01	105	0.47	0.37	2.9	0.01	0.83	0.2	105
RZDD001	32	34	2	0.002	0.04	5.5	0.01	127	0.39	0.33	3.4	0.01	0.87	0.1	103
RZDD001	34	36	2	0.001	0.05	5.7	0.01	122	0.3	0.35	3.4	0.01	0.91	0.1	102
RZDD001	36	38	2	0.002	0.06	6.9	0.01	122	0.3	0.42	4	0.01	0.95	0.2	105
RZDD001	38	40	2	0.001	0.04	6.1	0.01	112	0.35	0.32	3.9	0.03	0.95	0.1	105
RZDD001	40	42	2	0.002	0.03	4.1	0.01	118	0.37	0.31	3.3	0.01	0.68	0.1	107
RZDD001	42	44	2	0.002	0.02	3	0.01	71	0.49	0.23	2.8	0.03	0.7	0.2	109
RZDD001	44	46	2	0.002	0.03	3.6	0.01	109	0.45	0.4	3.6	0.01	0.69	0.1	102
RZDD001	46	48	2	0.001	0.03	4.9	0.01	94	0.7	0.3	3.5	0.005	0.84	0.2	99
RZDD001	48	50	2	0.001	0.02	3.6	0.01	96	0.64	0.28	2.9	0.01	0.69	0.2	95
RZDD001	50	52	2	0.002	0.04	4.9	0.01	113	0.7	0.32	4	0.01	0.76	0.1	99

Hole ID	From (m)	To (m)	Interval (m)	Au (ppm)	Ag (ppm)	As (ppm)	Bi (ppm)	Cu (ppm)	K (%)	Mo (ppm)	Pb (ppm)	S (%)	Sb (ppm)	W (ppm)	Zn (ppm)
RZDD001	52	54	2	0.003	0.02	5.9	0.01	120	0.5	0.41	3.3	0.01	0.71	0.2	92
RZDD001	54	56	2	0.002	0.02	4.9	0.01	107	0.49	0.26	3.4	0.01	0.7	0.1	100
RZDD001	56	58	2	0.002	0.03	3.6	0.01	106	0.83	0.3	3.1	0.01	0.75	0.3	96
RZDD001	58	60	2	0.001	0.03	2.6	0.01	125	1.24	0.24	2.9	0.01	1.04	0.1	99
RZDD001	60	62	2	0.003	0.04	2.6	0.02	114	0.93	0.29	2.4	0.01	0.92	0.1	103
RZDD001	62	64	2	0.001	0.03	2.7	0.02	92	1.24	0.21	2.6	0.01	1.15	0.2	89
RZDD001	64	66	2	0.003	0.02	3.4	0.02	58	1.08	0.23	2.9	0.01	1.15	0.1	99
RZDD001	66	68	2	0.001	0.02	2.5	0.01	59	1.04	0.18	2.7	0.01	1.12	0.1	81
RZDD001	68	69.2	2	0.002	0.03	2.3	0.01	100	0.91	0.23	2.8	0.01	0.73	0.2	101
RZDD002	0	2	2	0.009	0.18	15.4	0.07	125	0.8	1.08	3.8	0.07	0.52	0.7	56
RZDD002	2	4	2	0.004	0.11	11.2	0.04	65	0.55	0.92	3.2	0.17	0.37	0.5	57
RZDD002	4	6	2	0.002	0.05	10.3	0.06	50	0.37	0.69	3.1	0.13	0.33	0.4	55
RZDD002	6	8	2	0.003	0.08	17	0.11	80	1.2	1.01	7.8	0.09	0.9	0.4	69
RZDD002	8	10	2	0.003	0.07	20.8	0.08	98	1.28	2.32	5.7	0.22	1.09	0.7	80
RZDD002	10	12	2	0.005	0.12	30.8	0.11	123	1.99	1.88	10.4	0.02	2.11	0.5	92
RZDD002	12	14	2	0.004	0.13	26.5	0.12	106	1.53	1.32	11.5	0.22	1.49	0.4	91
RZDD002	14	16	2	0.001	0.03	8.4	0.04	39	0.33	0.54	3.4	0.22	0.29	0.2	59
RZDD002	16	18	2	0.002	0.04	17.9	0.25	44	0.77	0.64	5.6	0.24	0.39	0.3	64
RZDD002	18	20	2	0.002	0.02	12.2	0.07	41	0.33	1.08	2.7	0.11	0.27	0.2	43
RZDD002	20	22	2	0.002	0.05	20.9	0.06	76	0.84	1.42	6.2	0.52	0.63	0.3	67
RZDD002	22	24	2	0.002	0.06	21.9	0.12	94	1.41	2.11	7.8	0.82	0.84	0.3	58
RZDD002	24	26	2	0.002	0.02	18.8	0.03	44	0.63	1.35	3.4	0.3	0.58	0.3	59
RZDD002	26	28	2	0.003	0.02	15.3	0.01	35	1.29	0.39	1.7	0.09	0.74	0.3	73
RZDD002	28	30	2	0.002	0.01	4.6	0.01	27	0.38	0.35	1.5	0.06	0.73	0.2	73
RZDD002	30	32	2	0.004	0.01	3.2	0.01	29	0.5	0.25	1.5	0.04	0.61	0.2	70
RZDD002	32	34	2	0.002	0.01	1.8	0.01	33	0.72	0.34	1.6	0.02	0.64	0.2	70
RZDD002	34	36	2	0.001	0.01	1.6	0.01	40	0.77	0.3	12.6	0.01	0.48	0.2	75
RZDD002	36	38	2	0.001	0.01	2.5	0.01	29	0.44	0.27	1.6	0.02	0.51	0.1	71

Hole ID	From (m)	To (m)	Interval (m)	Au (ppm)	Ag (ppm)	As (ppm)	Bi (ppm)	Cu (ppm)	K (%)	Mo (ppm)	Pb (ppm)	S (%)	Sb (ppm)	W (ppm)	Zn (ppm)
RZDD002	38	39	1	0.001	0.01	1.8	0.01	34	0.43	0.29	1.4	0.01	0.55	0.2	68
RZDD002	39	40	1	0.001	0.04	11	0.04	80	1.24	0.43	2.9	0.12	0.99	0.2	71
RZDD002	40	41	1	0.001	0.01	2.6	0.01	37	1.3	0.38	1.7	0.01	0.78	0.2	74
RZDD002	41	42	1	0.001	0.005	1.7	0.01	36	1.39	0.29	1.7	0.01	0.74	0.2	71
RZDD002	42	43	1	0.002	0.02	7.5	0.02	148	1.01	0.26	2	0.03	1.95	0.4	73
RZDD002	43	44	1	0.001	0.02	4.8	0.02	172	1.21	0.43	2.6	0.05	2.2	0.9	49
RZDD002	44	45	1	0.003	0.02	5.2	0.02	82	0.84	0.32	2.7	0.06	1.31	0.4	69
RZDD002	45	46	1	0.002	0.02	4.3	0.01	49	1.89	0.19	2.7	0.01	1.56	0.3	104
RZDD002	46	47	1	0.003	0.02	3	0.01	36	1.94	0.14	3	0.01	1.36	0.4	118
RZDD002	47	48	1	0.003	0.04	4.9	0.01	83	2.03	0.3	3.3	0.01	1.77	0.3	110
RZDD002	48	49	1	0.004	0.04	4.1	0.05	142	1.85	0.23	3.8	0.01	1.88	0.3	127
RZDD002	49	50	1	0.006	0.03	9.1	0.06	286	1.83	0.68	2.9	0.14	4.25	2.5	87
RZDD002	50	51	1	0.007	0.03	8.9	0.01	269	1.36	0.59	2.4	0.11	3.55	2.1	52
RZDD002	**51**	**52**	**1**	**0.015**	**0.02**	**25**	**0.02**	**116**	**1.29**	**0.58**	**1.7**	**0.29**	**2.77**	**2.3**	**35**
RZDD002	**52**	**53**	**1**	**0.049**	**0.09**	**57.6**	**0.05**	**709**	**1.42**	**0.96**	**2.3**	**0.73**	**3.43**	**2.5**	**33**
RZDD002	**53**	**54**	**1**	**0.005**	**0.02**	**16.3**	**0.03**	**53**	**1.81**	**0.3**	**2**	**0.2**	**4.1**	**3**	**33**
RZDD002	**54**	**55**	**1**	**0.034**	**0.04**	**66.7**	**0.04**	**176**	**1.28**	**1.1**	**2.4**	**0.85**	**4.25**	**5.5**	**31**
RZDD002	**55**	**56**	**1**	**0.037**	**0.05**	**114.5**	**0.11**	**325**	**1.73**	**2.43**	**3.3**	**1.37**	**5.03**	**4.3**	**24**
RZDD002	**56**	**57**	**1**	**0.009**	**0.02**	**50.9**	**0.03**	**137**	**1.89**	**1.05**	**1.9**	**0.33**	**4.33**	**2.6**	**24**
RZDD002	**57**	**58**	**1**	**0.027**	**0.03**	**54**	**0.05**	**137**	**1.15**	**2.06**	**1.7**	**0.66**	**4.15**	**4.1**	**29**
RZDD002	**58**	**59**	**1**	**0.007**	**0.02**	**33.8**	**0.03**	**124**	**1.69**	**0.61**	**2.9**	**0.48**	**4.36**	**2.5**	**61**
RZDD002	**59**	**60**	**1**	**0.017**	**0.03**	**33**	**0.04**	**91**	**1.21**	**0.31**	**2.8**	**0.41**	**2.89**	**2.3**	**55**
RZDD002	**60**	**61**	**1**	**0.022**	**0.04**	**33.5**	**0.03**	**211**	**1.8**	**0.42**	**3.5**	**0.33**	**2.63**	**1.8**	**72**
RZDD002	61	62	1	0.003	0.04	3.3	0.01	97	1.91	0.2	3.3	0.01	1.92	0.4	101
RZDD002	62	63	1	0.003	0.03	3	0.01	117	1.62	0.25	4.3	0.01	1.27	0.1	88
RZDD002	63	64	1	0.002	0.03	2.7	0.01	109	0.88	0.25	2.8	0.01	0.82	0.1	109
RZDD002	64	66	2	0.002	0.03	3.7	0.01	100	0.63	0.35	3.7	0.01	1.02	0.1	114
RZDD002	66	68	2	0.003	0.05	3	0.01	121	0.88	0.25	3.1	0.01	0.85	0.2	113

Hole ID	From (m)	To (m)	Interval (m)	Au (ppm)	Ag (ppm)	As (ppm)	Bi (ppm)	Cu (ppm)	K (%)	Mo (ppm)	Pb (ppm)	S (%)	Sb (ppm)	W (ppm)	Zn (ppm)
RZDD002	68	70	2	0.002	0.03	3.1	0.01	96	1.16	0.17	3	0.02	1.04	0.1	99
RZDD002	70	72	2	0.003	0.19	4.3	0.01	105	1.42	0.44	5.6	0.76	1	0.1	111
RZDD002	72	74	2	0.002	0.1	3.2	0.01	113	1.4	0.27	3.2	0.3	0.81	0.1	113
RZDD002	74	76	2	0.001	0.04	2.8	0.01	114	2.1	0.16	3	0.01	1.33	0.2	102
RZDD002	76	78	2	0.002	0.04	3.3	0.01	135	0.9	0.22	3.5	0.01	1.05	0.1	103
RZDD002	78	80	2	0.003	0.02	2.8	0.01	115	1.08	0.2	3.1	0.01	0.94	0.1	109
RZDD002	80	82	2	0.004	0.02	3.1	0.01	93	0.64	0.22	3.7	0.01	0.94	0.1	109
RZDD002	82	84	2	0.003	0.05	2.6	0.01	107	0.73	0.33	3.1	0.02	0.74	0.1	115
RZDD002	84	86	2	0.002	0.02	2.6	0.01	106	0.9	0.25	3.2	0.01	0.87	0.1	114
RZDD002	86	88	2	0.002	0.02	3	0.01	121	1.15	0.21	2.6	0.01	0.89	0.1	103
RZDD002	88	90	2	0.003	0.03	4.1	0.01	115	1.64	0.22	2.8	0.01	1.73	0.2	97
RZDD002	90	92	2	0.002	0.06	3.4	0.02	208	1.64	0.24	2.9	0.01	1.73	0.2	113
RZDD002	92	94	2	0.002	0.03	3.1	0.01	101	1.47	0.24	2.8	0.01	1.6	0.2	119
RZDD002	94	96	2	0.002	0.03	4	0.01	120	1.65	0.28	3.4	0.01	1.94	0.2	111
RZDD002	96	98	2	0.003	0.04	3.8	0.01	122	1.55	0.25	3.1	0.03	1.61	0.2	128
RZDD002	98	100	2	0.003	0.02	3.7	0.01	124	0.82	0.25	4	0.01	1.3	0.1	107
RZDD002	100	102	2	0.002	0.04	3.3	0.02	119	0.57	0.26	3.4	0.01	1.01	0.1	101
RZDD002	102	104	2	0.004	0.06	2.9	0.02	121	0.58	0.5	2.9	0.09	0.82	0.1	108
RZDD002	104	106	2	0.002	0.04	2.6	0.01	107	1.02	0.25	2.8	0.02	0.98	0.2	99
RZDD002	106	107.7	1.7	0.004	0.02	2.8	0.01	109	1.54	0.18	2.8	0.01	0.91	0.1	100
RZDD003	0	2	2	0.002	0.05	11.4	0.03	95	0.32	0.55	2.5	0.005	1.34	0.3	125
RZDD003	2	4	2	0.005	0.06	6.8	0.1	139	0.63	0.41	2.6	0.01	1.67	0.3	120
RZDD003	4	6	2	0.007	0.07	5.3	0.08	152	1.12	0.44	3.6	0.005	1.38	0.2	136
RZDD003	6	8	2	0.004	0.08	5.3	0.05	171	0.84	0.28	4.5	0.01	1.26	0.2	137
RZDD003	8	10	2	0.003	0.08	6.4	0.08	191	1.47	0.41	4.3	0.01	2.13	0.3	160
RZDD003	10	12	2	0.004	0.05	5.7	0.06	145	1.36	0.38	3.4	0.01	3.11	0.9	105
RZDD003	12	14	2	0.004	0.04	6.3	0.04	130	0.53	0.56	4.9	0.05	1.32	0.2	112
RZDD003	14	16	2	0.009	0.05	8.8	0.01	134	0.3	0.37	4.5	0.01	1.02	0.1	101

Hole ID	From (m)	To (m)	Interval (m)	Au (ppm)	Ag (ppm)	As (ppm)	Bi (ppm)	Cu (ppm)	K (%)	Mo (ppm)	Pb (ppm)	S (%)	Sb (ppm)	W (ppm)	Zn (ppm)
RZDD003	16	18	2	0.004	0.05	16.1	0.07	152	0.17	0.56	4.3	0.02	1.38	0.1	126
RZDD003	18	20	2	0.004	0.08	19.6	0.04	173	0.12	0.64	3.4	0.01	1.14	0.1	125
RZDD003	20	22	2	0.004	0.06	18.8	0.05	138	0.09	0.57	3.3	0.01	1.24	0.1	140
RZDD003	22	24	2	0.002	0.02	6.7	0.02	73	0.21	0.49	3.1	0.01	1.22	0.2	124
RZDD003	24	26	2	0.002	0.02	4.9	0.01	59	0.37	0.37	3.5	0.01	1.78	0.3	111
RZDD003	26	28	2	0.002	0.02	4.2	0.01	66	0.34	0.2	2.6	0.01	1.45	0.2	101
RZDD003	28	29	1	0.003	0.01	6.8	0.005	16	0.55	0.22	2.2	0.01	1.13	0.4	79
RZDD003	29	30	1	0.004	0.005	9.2	0.005	28	0.44	0.18	2.2	0.01	1.18	0.5	69
RZDD003	**30**	**31**	**1**	**0.069**	**0.09**	**167.5**	**0.09**	**399**	**1.54**	**0.47**	**6.1**	**1.5**	**6.8**	**4.4**	**38**
RZDD003	**31**	**32**	**1**	**0.106**	**0.15**	**119.5**	**0.19**	**194**	**1.42**	**2.8**	**6.3**	**2.68**	**5.3**	**3.3**	**27**
RZDD003	**32**	**33**	**1**	**0.026**	**0.08**	**77.7**	**0.02**	**156**	**1.92**	**0.7**	**5.8**	**1.57**	**6.77**	**3.4**	**44**
RZDD003	**33**	**34**	**1**	**0.011**	**0.04**	**19**	**0.03**	**211**	**1.56**	**0.53**	**4.7**	**0.61**	**4.11**	**2.1**	**64**
RZDD003	**34**	**35**	**1**	**0.001**	**0.01**	**6**	**0.01**	**125**	**1.14**	**0.26**	**4.5**	**0.18**	**1.78**	**0.5**	**92**
RZDD003	**35**	**36**	**1**	**0.021**	**0.05**	**108**	**0.01**	**183**	**2.23**	**0.38**	**5.8**	**1.04**	**6.65**	**5.8**	**28**
RZDD003	**36**	**37**	**1**	**0.037**	**0.05**	**99.3**	**0.05**	**425**	**2.12**	**0.42**	**6.2**	**1.28**	**5.81**	**5.4**	**29**
RZDD003	**37**	**38**	**1**	**0.036**	**0.04**	**191.5**	**0.03**	**228**	**1.96**	**0.67**	**6.7**	**1.4**	**7.35**	**4.6**	**21**
RZDD003	38	39	1	0.003	0.02	7.7	0.05	179	0.85	0.73	4.2	0.11	3.21	0.7	70
RZDD003	39	40	1	0.001	0.01	4.9	0.01	63	1.2	0.26	3.8	0.01	3.5	0.4	67
RZDD003	40	42	2	0.001	0.01	5.7	0.01	93	1.14	0.36	4	0.01	2.69	0.3	90
RZDD003	42	44	2	0.002	0.01	3.9	0.02	67	0.81	0.27	4.2	0.01	2.43	0.3	85
RZDD003	44	46	2	0.001	0.01	3.6	0.01	38	0.74	0.16	3.3	0.005	1.63	0.2	96
RZDD003	46	48	2	0.002	0.05	5.1	0.01	118	0.67	0.37	6.5	0.03	1.54	0.1	97
RZDD003	48	50	2	0.002	0.06	7.1	0.01	117	0.36	0.4	6.6	0.02	1.43	0.1	102
RZDD003	50	52	2	0.003	0.08	12.1	0.01	112	0.21	0.43	6.3	0.24	1.45	0.1	106
RZDD003	52	54	2	0.003	0.06	17.3	0.02	130	0.42	0.5	5.4	0.33	1.42	0.1	101
RZDD003	54	55	1	0.001	0.02	4.5	0.02	105	0.66	0.29	2.8	0.01	2.04	0.2	84
RZDD003	55	56	1	0.001	0.005	3.6	0.01	21	0.8	0.49	2.1	0.01	3.09	1.1	56
RZDD003	56	57	1	0.001	0.01	4.1	0.01	52	0.66	0.44	2.3	0.01	2.23	2.9	53

Hole ID	From (m)	To (m)	Interval (m)	Au (ppm)	Ag (ppm)	As (ppm)	Bi (ppm)	Cu (ppm)	K (%)	Mo (ppm)	Pb (ppm)	S (%)	Sb (ppm)	W (ppm)	Zn (ppm)
RZDD003	57	58	1	0.001	0.01	2.1	0.01	21	0.5	0.23	2	0.01	1	0.2	72
RZDD003	58	60	2	0.001	0.01	2.1	0.01	26	0.52	0.19	1.8	0.005	1.08	0.2	63
RZDD003	60	62	2	0.003	0.01	3.7	0.01	21	0.96	0.22	1.8	0.005	2.76	0.7	74
RZDD003	62	64	2	0.001	0.01	3.9	0.01	22	1.2	0.16	2.2	0.005	3.45	0.4	63
RZDD003	64	66	2	0.001	0.01	4.1	0.01	27	1.27	0.22	2.1	0.005	3.44	0.4	64
RZDD003	66	68	2	0.001	0.03	6.6	0.1	82	0.55	0.3	4.4	0.07	4.13	0.2	116
RZDD003	68	70	2	0.002	0.04	3.7	0.02	110	0.51	0.24	4.4	0.01	1.97	0.1	111
RZDD003	70	72	2	0.002	0.03	3.6	0.02	77	0.73	0.29	3.9	0.01	1.89	0.4	86
RZDD003	72	73	1	0.001	0.02	3.5	0.02	81	0.36	0.32	5.1	0.01	1.2	0.2	102
RZDD003	73	74	1	0.001	0.02	4.3	0.01	82	0.47	0.33	3.8	0.01	1.29	0.3	84
RZDD003	74	75	1	0.002	0.01	3.6	0.01	74	0.77	0.27	3.5	0.005	1.34	0.3	64
RZDD003	75	76	1	0.005	0.01	5.2	0.02	80	1.13	0.26	3.7	0.005	1.96	0.4	62
RZDD003	76	77	1	0.001	0.005	4.8	0.02	15	1.54	0.22	3.8	0.005	2.07	0.5	47
RZDD003	77	78	1	0.006	0.01	12.1	0.05	85	0.58	0.9	2.8	0.03	1.46	0.7	44
RZDD003	78	79	1	0.004	0.01	6	0.03	46	0.95	0.66	2.4	0.02	2.03	0.7	43
RZDD003	79	80	1	0.002	0.03	3.4	0.02	79	0.77	0.27	4.1	0.005	1.4	0.3	90
RZDD003	80	82	2	0.001	0.01	3.3	0.01	44	0.62	0.28	3.2	0.01	1.25	0.2	88
RZDD003	82	84	2	0.002	0.03	4.1	0.02	114	0.9	0.71	3.8	0.11	1.22	0.2	88
RZDD003	84	86	2	0.001	0.03	2.2	0.01	101	0.63	0.21	3.4	0.01	1.05	0.2	85
RZDD003	86	88	2	0.005	0.03	6	0.01	98	0.53	0.33	4.7	0.01	1.33	0.2	84
RZDD003	88	90.4	2.4	0.002	0.03	5.3	0.01	121	0.69	0.29	4.1	0.01	1.22	0.1	87
RZDD004	0	2	2	0.004	0.08	18	0.07	112	1.28	1.06	7.1	0.02	0.87	0.3	66
RZDD004	2	4	2	0.004	0.07	26.2	0.09	78	1.53	2.31	8.2	0.01	1.3	0.4	69
RZDD004	4	6	2	0.004	0.06	21.5	0.08	72	1.56	0.77	7.3	0.01	1.56	0.3	72
RZDD004	6	8	2	0.003	0.06	17.4	0.05	54	1.03	0.55	6.9	0.05	2.15	0.2	59
RZDD004	8	10	2	0.001	0.01	14	0.005	45	0.82	0.24	1.5	0.01	2.16	0.3	73
RZDD004	10	12	2	0.002	0.03	9.2	0.005	264	2.25	0.34	1.9	0.02	2.62	0.6	32
RZDD004	12	14	2	0.001	0.05	5.9	0.01	61	2.1	0.32	1.5	0.01	3.34	1	18

Hole ID	From (m)	To (m)	Interval (m)	Au (ppm)	Ag (ppm)	As (ppm)	Bi (ppm)	Cu (ppm)	K (%)	Mo (ppm)	Pb (ppm)	S (%)	Sb (ppm)	W (ppm)	Zn (ppm)
RZDD004	14	16	2	0.001	0.01	3.4	0.005	77	1.11	0.21	1.4	0.005	2.6	0.5	23
RZDD004	16	18	2	0.002	0.01	9	0.01	42	0.88	0.35	2.3	0.07	1.7	0.4	48
RZDD004	18	20	2	0.001	0.02	7.6	0.005	55	0.58	0.25	2.6	0.02	1.07	0.2	56
RZDD004	20	22	2	0.001	0.01	5.5	0.01	105	0.73	0.36	2.1	0.02	1.22	0.2	50
RZDD004	22	24	2	0.004	0.01	7.3	0.02	31	0.9	0.46	2	0.02	1.4	0.3	52
RZDD004	24	26	2	0.001	0.02	103	0.06	27	1.44	4.79	2.1	0.11	0.97	0.6	23
RZDD004	26	28	2	0.002	0.03	19.1	0.02	64	0.69	0.42	2.7	0.13	1.24	0.4	56
RZDD004	28	30	2	0.001	0.02	8.8	0.01	47	0.65	0.24	1.2	0.06	0.9	0.2	61
RZDD004	30	32	2	0.001	0.03	31.7	0.06	45	1.39	0.61	3.3	0.27	1.5	0.2	56
RZDD004	32	34	2	0.001	0.05	33.7	0.06	48	1.18	1	4.4	0.35	1.87	0.2	38
RZDD004	34	35	1	0.002	0.07	26.9	0.05	35	1.24	1.32	5.5	0.58	1.76	0.1	52
RZDD004	35	36	1	0.001	0.02	12.2	0.02	32	0.76	0.32	3.3	0.2	0.92	0.3	60
RZDD004	36	37	1	0.001	0.01	7.9	0.02	30	0.47	0.38	1.8	0.13	0.75	0.2	52
RZDD004	37	38	1	0.003	0.04	6.5	0.02	76	0.63	0.22	3.5	0.16	0.95	0.2	81
RZDD004	38	39	1	0.001	0.02	9.5	0.02	13	0.61	0.43	3.4	0.15	0.93	0.2	94
RZDD004	39	40	1	0.001	0.04	5.5	0.03	891	0.54	0.33	2.9	0.17	0.82	0.2	98
RZDD004	40	42	2	0.001	0.04	3.2	0.04	113	0.34	0.2	4.3	0.04	1.24	0.2	105
RZDD004	42	44	2	0.001	0.02	2.6	0.01	46	0.76	0.22	2.5	0.03	1.34	0.2	70
RZDD004	44	46	2	0.001	0.02	2.4	0.01	41	0.59	0.21	2.4	0.03	1.04	0.2	74
RZDD004	46	48	2	0.001	0.02	3.7	0.02	36	0.75	0.29	2.6	0.02	2.94	0.4	73
RZDD004	48	50	2	0.001	0.02	2.8	0.02	67	0.95	0.54	2.4	0.005	2.61	0.7	63
RZDD004	50	52	2	0.001	0.02	4.3	0.02	74	0.8	0.16	2.8	0.01	2.55	0.4	98
RZDD004	52	54	2	0.001	0.01	4.9	0.03	46	0.92	0.25	3.3	0.005	2.39	0.3	101
RZDD004	54	56	2	0.001	0.01	2.7	0.01	33	0.52	0.26	2.6	0.03	0.98	0.2	75
RZDD004	56	58	2	0.001	0.01	1.6	0.005	13	0.56	0.05	2.3	0.005	1.02	0.2	70
RZDD004	58	60	2	0.001	0.01	2.3	0.005	16	0.62	0.07	3.3	0.005	1.54	0.2	73
RZDD004	60	61	1	0.001	0.005	4.4	0.005	15	0.93	0.19	3.1	0.005	1.72	0.2	69
RZDD004	61	62	1	0.001	0.06	6.3	0.01	145	0.84	0.51	6	0.01	3.94	0.6	51

Hole ID	From (m)	To (m)	Interval (m)	Au (ppm)	Ag (ppm)	As (ppm)	Bi (ppm)	Cu (ppm)	K (%)	Mo (ppm)	Pb (ppm)	S (%)	Sb (ppm)	W (ppm)	Zn (ppm)
RZDD004	**62**	**63**	**1**	**0.011**	**0.01**	**13.2**	**0.02**	**67**	**0.63**	**0.54**	**3.2**	**0.17**	**2.04**	**0.6**	**54**
RZDD004	**63**	**64**	**1**	**0.009**	**0.03**	**18.9**	**0.04**	**275**	**1.11**	**0.96**	**4**	**0.34**	**2.46**	**1**	**39**
RZDD004	**64**	**65**	**1**	**0.065**	**0.1**	**80.3**	**0.12**	**403**	**1.62**	**3.14**	**4.4**	**1.08**	**3.93**	**3.1**	**29**
RZDD004	**65**	**66**	**1**	**0.021**	**0.03**	**21**	**0.03**	**217**	**1.09**	**1.3**	**3.2**	**0.29**	**2.87**	**1.1**	**55**
RZDD004	**66**	**67**	**1**	**0.008**	**0.02**	**20.7**	**0.02**	**166**	**0.69**	**0.25**	**3.8**	**0.3**	**1.68**	**1.1**	**63**
RZDD004	**67**	**68**	**1**	**0.162**	**0.09**	**47.9**	**0.06**	**450**	**0.44**	**0.49**	**4.2**	**0.83**	**4.44**	**1.1**	**32**
RZDD004	**68**	**69**	**1**	**0.06**	**0.04**	**30.8**	**0.06**	**272**	**0.98**	**0.85**	**2.8**	**0.46**	**4.81**	**2.6**	**31**
RZDD004	**69**	**70**	**1**	**0.004**	**0.03**	**21.7**	**0.02**	**207**	**1.22**	**0.27**	**3.7**	**0.22**	**2.57**	**1.8**	**52**
RZDD004	**70**	**71**	**1**	**0.011**	**0.04**	**27**	**0.05**	**166**	**1.64**	**0.65**	**4.1**	**0.47**	**3.79**	**1.2**	**33**
RZDD004	**71**	**72**	**1**	**0.074**	**0.06**	**116.5**	**0.13**	**256**	**2.1**	**1.38**	**5.2**	**1.28**	**7.91**	**3.4**	**13**
RZDD004	**72**	**73**	**1**	**0.029**	**0.06**	**52.3**	**0.11**	**267**	**1.81**	**2.39**	**4.3**	**0.93**	**5.91**	**1.9**	**25**
RZDD004	**73**	**74**	**1**	**0.03**	**0.03**	**35.5**	**0.05**	**226**	**1.41**	**1.92**	**3.1**	**0.51**	**4.81**	**2.3**	**33**
RZDD004	74	75	1	0.003	0.02	8	0.03	112	1.14	0.48	4.2	0.07	3.94	1.1	80
RZDD004	75	76	1	0.001	0.06	6.7	0.02	258	1.27	0.4	4.3	0.02	3.58	0.8	90
RZDD004	76	77	1	0.004	0.02	6.9	0.02	128	0.96	0.25	3.9	0.03	2.43	0.2	107
RZDD004	77	78	1	0.002	0.03	5.6	0.02	120	0.89	0.49	5.1	0.02	2.22	0.4	104
RZDD004	78	79	1	0.002	0.05	4.4	0.01	124	0.61	0.41	7.1	0.01	1.31	0.1	105
RZDD004	79	80	1	0.001	0.04	3.6	0.01	119	0.71	0.31	6	0.01	1.88	0.1	118
RZDD004	80	82	2	0.003	0.03	5.3	0.01	133	1.04	0.23	4.4	0.01	2.87	0.2	87
RZDD004	82	84	2	0.002	0.03	5.4	0.02	275	0.89	0.28	4.8	0.04	1.86	0.3	94
RZDD004	84	86	2	0.001	0.03	5.7	0.01	105	0.88	0.28	4.7	0.03	2.49	0.2	86
RZDD004	86	88	2	0.001	0.03	4.7	0.02	117	0.41	0.33	3.6	0.005	2.51	0.2	90
RZDD004	88	90	2	0.001	0.02	6.6	0.02	118	0.81	0.31	5	0.005	2.92	0.2	121
RZDD004	90	92	2	0.001	0.03	7.3	0.02	187	1.09	0.41	5.6	0.01	2.82	0.3	116
RZDD004	92	94	2	0.001	0.02	5.9	0.04	157	0.94	1.72	5.7	0.01	2.39	0.2	124
RZDD004	94	96	2	0.002	0.03	7.1	0.03	168	1.31	0.35	6.2	0.01	5.37	1.5	112
RZDD004	96	97	1	0.001	0.01	5.9	0.02	58	0.78	0.2	6.3	0.005	2.81	0.3	122
RZDD004	97	98	1	0.001	0.04	7.2	0.03	147	0.9	0.31	5.5	0.01	4.31	0.5	82

Hole ID	From (m)	To (m)	Interval (m)	Au (ppm)	Ag (ppm)	As (ppm)	Bi (ppm)	Cu (ppm)	K (%)	Mo (ppm)	Pb (ppm)	S (%)	Sb (ppm)	W (ppm)	Zn (ppm)
RZDD004	98	99	1	0.001	0.01	2.9	0.01	53	0.43	0.16	3	0.005	1.48	0.3	84
RZDD004	99	100	1	0.001	0.01	6.6	0.02	28	0.93	0.2	5.8	0.005	2.73	0.4	81
RZDD004	100	101	1	0.001	0.01	12.1	0.01	32	0.71	0.58	3.6	0.07	0.81	0.3	47
RZDD004	101	102	1	0.001	0.005	6.4	0.01	12	1.01	0.43	1.9	0.02	0.72	0.3	46
RZDD004	102	103	1	0.001	0.01	22.2	0.02	24	1.69	0.86	2.6	0.08	1.36	0.7	53
RZDD004	103	104	1	0.003	0.02	18.8	0.03	39	1.25	1.6	4.7	0.19	1.4	0.9	60
RZDD004	104	106	2	0.003	0.07	28.2	0.09	144	1.21	0.64	6.8	1.27	1.1	0.2	100
RZDD004	106	108	2	0.004	0.07	13	0.08	135	0.35	1	6.9	1.45	0.83	0.2	90
RZDD004	108	110	2	0.006	0.03	8.9	0.04	122	0.19	0.53	4.8	0.1	0.93	0.2	92
RZDD004	110	112	2	0.003	0.03	7.3	0.02	71	0.13	0.99	3.5	0.03	0.79	0.2	78
RZDD004	112	114	2	0.004	0.01	6.6	0.01	28	0.28	0.25	2.8	0.04	0.91	0.1	71
RZDD004	114	116	2	0.003	0.01	4.4	0.01	31	0.29	0.32	2.3	0.04	0.64	0.1	76
RZDD004	116	118	2	0.002	0.03	3.8	0.01	33	0.26	0.25	2.3	0.005	0.56	0.1	76
RZDD004	118	120	2	0.002	0.01	4.3	0.01	30	0.5	0.26	3.9	0.005	1.02	0.2	76
RZDD004	120	122	2	0.002	0.01	2.1	0.01	29	0.67	0.09	2.1	0.005	0.76	0.2	70
RZDD004	122	124	2	0.001	0.01	2.4	0.01	34	0.84	0.2	2.5	0.005	0.86	0.2	73
RZDD004	124	126	2	0.001	0.01	3.4	0.01	25	0.8	0.45	3.5	0.005	1.92	0.2	67
RZDD004	126	128	2	0.002	0.01	2.6	0.01	28	0.94	0.27	2.9	0.005	1.24	0.2	63
RZDD004	128	130	2	0.002	0.01	1.7	0.01	30	0.88	0.13	2.3	0.005	0.79	0.1	71
RZDD004	130	132	2	0.001	0.02	2.6	0.01	31	0.73	0.19	3.4	0.005	1.03	0.2	86
RZDD004	132	134	2	0.001	0.02	3	0.005	30	0.71	0.16	2.8	0.005	1.04	0.1	72
RZDD004	134	136	2	0.001	0.02	4.2	0.01	26	0.5	0.22	2.7	0.03	0.72	0.1	74
RZDD004	136	138	2	0.001	0.01	3.2	0.01	28	0.66	0.23	2.2	0.06	0.71	0.1	64
RZDD004	138	140	2	0.001	0.02	3.3	0.01	32	0.73	0.4	3.5	0.04	1.04	0.2	60
RZDD004	140	142	2	0.001	0.01	4.6	0.005	34	1.17	0.66	2.6	0.06	1.12	0.2	59
RZDD004	142	144	2	0.002	0.01	4.4	0.005	32	1.36	0.33	2.4	0.04	0.96	0.2	61
RZDD004	144	146	2	0.002	0.005	7.1	0.01	31	1.12	0.28	2.4	0.05	1.56	0.4	50
RZDD004	146	148	2	0.003	0.11	7.2	0.03	45	0.95	0.22	2.7	0.06	2.5	1	55

Hole ID	From (m)	To (m)	Interval (m)	Au (ppm)	Ag (ppm)	As (ppm)	Bi (ppm)	Cu (ppm)	K (%)	Mo (ppm)	Pb (ppm)	S (%)	Sb (ppm)	W (ppm)	Zn (ppm)
RZDD004	148	150	2	0.003	0.02	6.7	0.04	87	2.08	0.59	2.5	0.04	2.97	0.6	54
RZDD004	150	152	2	0.004	0.03	19.1	0.07	116	0.93	2.69	5.5	0.49	1.27	0.4	106
RZDD004	152	154	2	0.007	0.06	47.3	0.13	152	0.52	3.99	7	1.19	1.43	0.3	98
RZDD004	154	156	2	0.007	0.05	13.8	0.04	117	0.43	2.04	6.9	0.28	1.42	0.3	90
RZDD004	156	158	2	0.006	0.07	8.9	0.1	101	0.39	1.95	8	0.09	1.58	0.3	109
RZDD004	158	160	2	0.008	0.06	12.6	0.03	157	0.32	1.24	5.9	0.63	1.92	0.2	99
RZDD004	160	162	2	0.008	0.05	21.1	0.01	115	0.29	2.19	6.7	2.02	2.07	0.3	77
RZDD004	162	164	2	0.007	0.05	20.9	0.01	132	0.28	1.52	5.8	2.74	2.19	0.2	84
RZDD004	164	166	2	0.007	0.06	15.6	0.02	154	0.52	1.22	4.7	1.8	2.46	0.3	98
RZDD004	166	168	2	0.007	0.08	18	0.02	148	0.71	1.68	7.5	2.33	1.81	0.2	91
RZDD004	168	170	2	0.008	0.08	18.6	0.03	136	0.46	1.36	8.3	2.19	1.34	0.2	103
RZDD004	170	171.3	1.3	0.005	0.03	10.8	0.09	79	0.82	0.86	4.3	0.98	1.06	0.3	68
RZDD005	0	2	2	0.004	0.12	7.2	0.03	142	0.5	0.28	4.8	0.01	0.68	0.3	113
RZDD005	2	4	2	0.002	0.03	6.7	0.02	129	0.74	0.36	4.2	0.01	0.55	0.2	105
RZDD005	4	6	2	0.003	0.04	5.5	0.05	130	0.58	0.38	3.2	0.005	0.55	0.1	110
RZDD005	6	8	2	0.004	0.03	6.2	0.02	126	0.44	0.47	3.8	0.005	0.66	0.2	113
RZDD005	8	10	2	0.004	0.02	8.6	0.02	126	0.47	0.35	3.8	0.01	0.62	0.1	116
RZDD005	10	12	2	0.004	0.02	11.6	0.02	140	0.45	0.31	4.4	0.03	0.77	0.2	115
RZDD005	12	14	2	0.003	0.05	20.4	0.01	148	0.51	1.28	9.8	0.08	0.91	0.1	111
RZDD005	14	16	2	0.003	0.04	16.7	0.02	139	0.51	0.53	10.6	0.06	1.56	0.2	104
RZDD005	16	18	2	0.003	0.04	13.6	0.02	128	0.42	0.42	9.3	0.03	1.42	0.1	115
RZDD005	18	20	2	0.001	0.04	6.9	0.02	120	0.63	0.4	10.1	0.03	0.65	0.2	108
RZDD005	20	22	2	0.002	0.03	7.5	0.02	142	0.65	0.55	5.5	0.04	0.74	0.1	111
RZDD005	22	24	2	0.003	0.03	16.3	0.02	123	0.34	0.49	7.4	0.05	1.55	0.1	113
RZDD005	24	26	2	0.003	0.04	18	0.02	117	0.32	0.43	7.1	0.07	1.55	0.2	111
RZDD005	26	28	2	0.003	0.04	15.6	0.02	124	0.3	0.5	8.7	0.09	1.71	0.2	109
RZDD005	28	30	2	0.002	0.02	9.8	0.03	143	0.31	0.35	4.6	0.06	1.24	0.2	104
RZDD005	30	32	2	0.002	0.02	7.3	0.02	111	0.31	0.27	3.5	0.03	1.05	0.2	96

Hole ID	From (m)	To (m)	Interval (m)	Au (ppm)	Ag (ppm)	As (ppm)	Bi (ppm)	Cu (ppm)	K (%)	Mo (ppm)	Pb (ppm)	S (%)	Sb (ppm)	W (ppm)	Zn (ppm)
RZDD005	**32**	**33**	**1**	**0.002**	**0.05**	**13.5**	**0.02**	**560**	**0.38**	**0.46**	**2.7**	**0.07**	**1.61**	**0.7**	**59**
RZDD005	**33**	**34**	**1**	**0.002**	**0.02**	**4.2**	**0.01**	**145**	**0.35**	**4.37**	**1.7**	**0.02**	**0.9**	**0.7**	**89**
RZDD005	**34**	**36**	**2**	**0.002**	**0.03**	**7.3**	**0.01**	**137**	**1.14**	**0.97**	**2.2**	**0.02**	**1.26**	**0.8**	**95**
RZDD005	**36**	**38**	**2**	**0.002**	**0.01**	**8.1**	**0.03**	**138**	**1.86**	**1.19**	**2.4**	**0.04**	**1.93**	**0.9**	**89**
RZDD005	**38**	**39**	**1**	**0.111**	**0.03**	**34.3**	**0.03**	**195**	**1.82**	**0.65**	**1.6**	**0.25**	**3.2**	**1**	**28**
RZDD005	**39**	**40**	**1**	**0.004**	**0.02**	**21.9**	**0.05**	**171**	**2.18**	**0.28**	**2.7**	**0.22**	**2.27**	**0.7**	**40**
RZDD005	40	41	1	0.001	0.01	5.3	0.04	14	1.08	0.19	2.4	0.06	1.06	0.2	49
RZDD005	41	42	1	0.001	0.01	7.4	0.04	16	1.52	0.32	3	0.05	1.6	0.2	51
RZDD005	42	43	1	0.002	0.005	1.6	0.01	8	0.55	0.13	2.6	0.005	0.78	0.2	57
RZDD005	43	44	1	0.001	0.01	6	0.01	10	0.75	0.21	2.2	0.02	1.2	0.3	48
RZDD005	44	45	1	0.001	0.01	10.8	0.02	13	0.76	0.32	2.7	0.06	1.36	0.4	46
RZDD005	45	46	1	0.001	0.01	5.4	0.01	7	0.23	0.31	2.6	0.03	1.05	0.3	60
RZDD005	46	47	1	0.004	0.05	27.4	0.04	114	0.77	0.38	3.8	0.17	2.17	0.4	55
RZDD005	47	48	1	0.003	0.01	13.9	0.05	80	0.93	0.22	3.9	0.1	2.08	0.5	66
RZDD005	48	50	2	0.003	0.03	4.7	0.03	62	1.08	1.44	2.6	0.01	2.96	0.9	82
RZDD005	50	52	2	0.002	0.03	4.3	0.02	78	1.7	0.25	3.3	0.01	3.09	0.5	77
RZDD005	52	54	2	0.002	0.06	6	0.02	105	1.8	0.21	4.5	0.01	2.29	0.5	83
RZDD005	54	55	1	0.016	0.04	30.1	0.02	203	1.66	0.24	2.7	0.3	4.41	2.8	47
RZDD005	55	56	1	0.011	0.02	30.1	0.04	72	0.72	0.4	1.7	0.44	3.97	4.8	36
RZDD005	56	57	1	0.008	0.03	16.6	0.05	251	1.34	0.21	2.8	0.2	2.37	1.4	60
RZDD005	57	58	1	0.005	0.09	5	0.02	165	1.41	0.8	4.1	0.51	1.12	0.4	90
RZDD005	58	60	2	0.001	0.03	5.5	0.01	140	1.59	0.12	3	0.03	1.26	0.3	94
RZDD005	60	62	2	0.002	0.03	4.1	0.01	159	1.24	0.14	3.8	0.02	1.34	0.3	97
RZDD005	62	64	2	0.001	0.02	3.9	0.02	108	1.22	0.12	3.1	0.01	1.49	0.3	100
RZDD005	64	65	1	0.002	0.01	2.4	0.01	39	0.47	0.11	2.6	0.01	1.57	1.1	69
RZDD005	65	66	1	0.001	0.01	5.5	0.01	21	1.56	0.26	1.1	0.04	1.66	0.9	31
RZDD005	66	67	1	0.002	0.005	4.7	0.01	14	2.32	0.31	1.2	0.03	1.81	0.5	23
RZDD005	67	68	1	0.002	0.01	3.9	0.03	46	1.73	0.83	1.9	0.02	1.54	0.5	59

Hole ID	From (m)	To (m)	Interval (m)	Au (ppm)	Ag (ppm)	As (ppm)	Bi (ppm)	Cu (ppm)	K (%)	Mo (ppm)	Pb (ppm)	S (%)	Sb (ppm)	W (ppm)	Zn (ppm)
RZDD005	68	69	1	0.003	0.02	3.2	0.03	86	2.11	0.16	3.6	0.01	1.45	0.5	76
RZDD005	69	70	1	0.002	0.02	5	0.02	72	1.32	0.15	3.8	0.01	1.97	0.8	96
RZDD005	70	71	1	0.003	0.02	3.4	0.03	86	0.89	0.48	3.5	0.01	1.78	1	90
RZDD005	71	72	1	0.003	0.005	3.2	0.01	6	2.09	0.48	1.5	0.01	0.98	0.9	53
RZDD005	72	73	1	0.002	0.02	3	0.02	31	1.08	1.38	2.1	0.01	1.07	0.7	57
RZDD005	73	74	1	0.003	0.02	4.6	0.02	56	1.7	0.53	3.3	0.01	1.4	1.1	85
RZDD005	74	76	2	0.008	0.01	2.2	0.02	37	1.52	0.24	3.5	0.005	0.92	0.2	107
RZDD005	76	78	2	0.005	0.02	2.6	0.02	89	0.91	0.25	3.5	0.01	0.6	0.2	110
RZDD005	78	80.4	2.4	0.004	0.02	2.6	0.02	77	0.58	0.29	4.2	0.01	0.51	0.1	113

Appendix 2 – Razorback Diamond Collar Details

Hole ID	Drill Type	Grid ID	GDA North	GDA East	GDA RL	Dip	Mag Azimuth	GDA Azimuth
RZDD001	DD	MGAz55 GDA94	6366090	685005	438	-60	22.0	34
RZDD002	DD	MGAz55 GDA94	6366053	684985	443	-60	26.0	38
RZDD003	DD	MGAz55 GDA94	6366232	6854982	429	-55	108.0	120
RZDD004	DD	MGAz55 GDA94	6366263	684955	427	-60	108.0	120.0
RZDD005	DD	MGAz55 GDA94	6365855	684949	446	-55	70.0	82.0

Appendix 3 – JORC Table

Section 1 Sampling Techniques and Data

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

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.* • Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used. • Aspects of the determination of mineralisation that are Material to the Public Report.In cases where 'industry standard' work has been done this would be relatively simple (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.	**Razorback Program** • Diamond core was extracted from the inner tube and placed into plastic core trays at the drill rig. Core was transported to a core facility for processing and sampling. Recovery was assessed between core blocks and visual examination of the core in the trays. Orientation was completed by reconstructing the core in it's original position using v rails and the orientation marks placed on the core by the drillers and marking the orientation line up and down the section. • Core was cut in half using an automatic Almonte core saw. • Sampling was composited on 2m per sample of half core for the NQ2 core and 1m samples of half core for the HQ3 core Rock sampling program • Rock chip samples were taken in the field by Sultan geologists during mapping exercises • Rock samples were collected from surface outcrop and float • Outcrop samples are resistant portions of the local geology and are considered to be in situ. Float samples are interpreted to have been sourced from local area.. • Samples weighing up to several kilograms were collected

Criteria	JORC Code explanation	Commentary
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 core is oriented and if so, by what method, etc).*	**Razorback Diamond** •Drill holes completed as NQ diamond drill holes •Both single shot and final multishot survey data was completed with a Reflex Camera system •Core orientation was completed using Boart Longyear Truecore orientation system
Drill sample recovery	*Method of recording and assessing core and chip sample recoveries and results assessed.* • Measures taken to maximise sample recovery and ensure representative nature of the samples. • Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.	**Razorback Diamond** •Drill hole data, samples and geology logging is recorded on a purpose designed logging excel spreadsheet and stored on the company online storage site. •Diamond core was extracted from the inner tube and placed into plastic core trays at the drill rig. Core was transported to a core facility for processing and sampling. Recovery was assessed between core blocks and visual examination of the core in the trays. Orientation was completed by reconstructing the core in it's original position using v rails and the orientation marks placed on the core by the drillers and marking the orientation line up and down the section. •All core has been meter marked, Recovery and RQD completed, •Core was cut using an automatic Almonte core saw. •Sampling was composited on 2m per sample of half core for the NQ2 core and 1m samples of half core for the HQ3 core N/A
Logging	*Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.* • *Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.* • *The total length and percentage of the relevant intersections logged.*	•Geological logging of the diamond core and aircore chips has been completed and recorded on excel spreadsheet logging systems, •All core has been meter marked, Recovery and RQD completed, Orientated, alpha and beta measurements on structures and vein sets, core photography and sampling has been completed and recorded on the company logging and sampling excel spreadsheet The description is qualitative and includes lithology, alteration and mineralisation
Sub-sampling techniques and sample preparation	*If core, whether cut or sawn and whether quarter, half or all core taken.* • *If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.* • For all sample types, the nature, quality and appropriateness of the sample preparation technique. • Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples. • Measures taken to ensure that the sampling is representative of the in situ material collected, including for instance results for field duplicate/second-half sampling.	•All diamond core is half core, with half being sent for analysis and half being kept. Duplicates are collected every 50m and consist of quarter core •External certified reference material / standards, blanks submitted every 50th, 51st sample respectively for QAQC purposes for diamond drilling samples. •External certified reference material / standards, blanks and duplicates are submitted every 50th, 51st and 52nd sample respectively for QAQC purposes for reverse circulation samples

Criteria	JORC Code explanation	Commentary
	• Whether sample sizes are appropriate to the grain size of the material being sampled.	Diamond drill core sampling are appropriate for the rock types intersected and follows industry best practice
Quality of assay data and laboratory tests	*The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.* • For geophysical tools, spectrometers, handheld XRF instruments, etc., the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc. • Nature of quality control procedures adopted (e.g. standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (i.e. lack of bias) and precision have been established.	•Reverse Circulation and Diamond drill samples are analysed for 48 elements including Ag, Al, As, Ba, Be, Bi, Ca, Cd, Ce, Co, Cr, Cs, Cu, Fe, Ga, Be, Hf, In, K, La, Li, Mg, Mn, Mo, Na, Nb, Ni, P, Pb, Rb, Re, S, Sb, Sc, Se, Sn, Sr, Ta, Te, Th, Ti, Tl, U, V, W, Y Zn and Zr using method ME-MS61 (four acid ICP-MS). Gold will be analysed separately using ALS method Au-AA22, with a lower detection limit of 0.001 ppm. •Soil Samples were analysed for 53 elements including Au, Ag, Al, As, B, Ba, Be, Bi, Ca, Cd, Ce, Co, Cr, Cs, Cu, Fe, Ga, Ge, Hf, Hg, In, K, La, Li, Mg, Mn, Mo, Na, Nb, Ni, P, Pb, Pd, Pt, Rb, Re, S, Sb, Sc, Se, Sn, Sr, Ta, Te, Th, Ti, Tl, U, V, W, Y, Zn & Zr using method AuME-ST44. •External certified reference material / standards, blanks and duplicates are submitted every 50th, 51st and 52nd sample respectively for QAQC purposes. •QAQC samples are analysed on return of assay results, CRM are tested against certified values and pass is awarded if results fall within 3 standard deviations of the mean, a failure of results and/or investigation with the laboratory if results fall outside 3 standard deviations of the mean certified value. Duplicates are assessed paired against each other and blanks are checked for elevated elements of interest.
Verification of sampling and assaying	*The verification of significant intersections by either independent or alternative company personnel.*	
	The use of twinned holes.	No twins reported
	Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.	
	Discuss any adjustment to assay data.	No adjustments have been made by the author to any of the historical data reviewed
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.*	**Razorback Diamond** •A handheld GPS was used to locate each sample point. Accuracy of +/-5m is considered reasonable •MGA94, Zone 55 •Elevation were in AHD (MGA94, Zone 55

Criteria	JORC Code explanation	Commentary
	Specification of the grid system used. *Quality and adequacy of topographic control.*	
Data spacing and distribution	*Data spacing for reporting of Exploration Results.*	**Razorback Diamond** •HQ3 diamond core has been sampled on 1m intervals •NQ2 diamond core has been samples on 2m composite intervals or 1m intervals through mineralised zones where necessary The sample spacing and compositing is considered reasonable to provide sufficient geochemical results for the target types sought.
	Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.	The drilling data at its established density and nature is not sufficient for use in a mineral resource estimation. The approaches used are only suitable for the exploration stage.
	Whether sample compositing has been applied.	
Orientation of data in relation to geological structure	*Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.* *If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.*	**Razorback Diamond** •Drilling was designed to intersect structural targets and is orientated as perpendicular as possible to structures depending on the access in the hilly terrain at Razorback. •Some holes will intersect the structure at a low angle due to less than ideal drill sites but no sampling bias is anticipated
Sample security	*The measures taken to ensure sample security.*	All geochemical samples were selected by geologists in the field delivered directly to the lab by Sultan's representatives
Audits or reviews	*The results of any audits or reviews of sampling techniques and data.*	No audits or reviews on current data at this stage

Section 2 Reporting of Exploration Results

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

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.*	**Razorback Diamond** The drilling is on EL8735 which is part of Sultans portfolio of licences (EL8734, EL8704 and EL8735) covering a total area of approximately 326 km2 within the Lachlan Fold Belt of central NSW.
	· *The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.*	Titles are granted. No issues or impediments to prevent work proceeding.
Exploration done by other parties	· *Acknowledgment and appraisal of exploration by other parties.*	**Razorback Diamond** Previous exploration over EL8735 has been limited. Work reported was generally generative in nature and at a reconnaissance level. The most detailed exploration was undertaken by Clancy Exploration during the period 2006 – 2016 and is considered to have been performed to a high standard.
Geology	· *Deposit type, geological setting and style of mineralisation.*	**Razorback** The Project lies halfway between the Cadia and Boda Cu-Au porphyries within the central Molong Belt of the Ord Macquarie Arc, East Lachlan, NSW. It is located on the Intersection of a major N-S striking arc parallel and NW-SE striking cross arc structural corridors, The Lachlan Orogen is approximately 700 km wide and 1000 km long and has disputed complex evolutionary history. The Macquarie Arc is part of the eastern sub-province of the Lachlan Orogen and is the host to numerous porphyry Au–Cu deposits. It consists mainly of subduction-related Ordovician intermediate and mafic volcanic, volcaniclastic and associated intrusive rocks and was accreted to Gondwana in the Early Silurian, and underwent rifting and burial in the Middle to Late Silurian. It consists of four structural belts, namely, the western (Junee-Narromine), the central (Molong), the eastern (Rockley-Gulgong) Belt, and southern (Kiandra) volcanic belts. These belts have most likely been formed by rifting and dismemberment of a single arc, which developed along the

Criteria	JORC Code explanation	Commentary
		boundary between the Australian and proto-Pacific plates during the Ordovician and was subsequently dismembered during the Silurian. An entirely intra-oceanic setting is postulated for the Macquarie Arc (Crawford et al., 2007), with four phases of arc-type magmatism, the earliest in the Early Ordovician, and culminating in the Late Ordovician to Early Silurian. The four phases of volcanism in the Macquarie Arc relate to distinct groups of porphyritic intrusions that vary from monzodiorite-diorite through monzonite-granodiorite compositions and correspond with porphyry copper-gold and epithermal gold-silver mineralisation Lithology The Big Hill target eshibits features consistent with an Alkalic intrusive complex, with mineralogy & textures typical of the Cadia Intrusive Complex, including outcropping monzogabbro, diorite, monzodiorite & mafic monzonite porphyry dykes & small plugs or 'apophyses'. Intrusives have intruded interpreted Cadia and Boda equivalent stratigraphy being the Late Ordovician Oakdale Volcanics, including an upper volcanic dominant and lower volcano-sedimentary package equivalent to the Forest Reef Volcanics & Weemalla Fm at Cadia and Kaiser Volcanics & Bodangora Fm at Boda. An upper sequence consisting of basalt, andesite, trachyte & latite lavas, volcaniclastics and sub volcanic intrusions including feldspar-pyroxene porphyry dykes has been recognised. The lower sequence dominated by finely laminated, interbedded, volcaniclastic siltstones and sandstones, with localised skarn horizons. The Razorback Ridge Cu-Au target is interpreted as a structural target containing fertile porphyry-related mineralised fluids in a potential skarn-like setting.
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:*	A table of collar coordinates is included in the appendices of this report. Plan figures showing the target areas is included in the document
	Easting and northing of the drill hole collar	Drilling is reported in MGA94, Zone 55 at Razorback
	o *elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar*	**Razorback** Eastings, Northings and RL were collected using a handheld GPS locate each drill collar. Accuracy of +/- 5m is considered reasonable MGA94, Zone 55 Elevation were in AHD (MGA94, Zone 55)
	o *dip and azimuth of the hole*	
	o *down hole length and interception depth*	

Criteria	JORC Code explanation	Commentary
	o *hole length.* · *If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.*	Hole length is the distance from the surface to the end of the hole, as measured along the drill trace.
Data aggregation methods	· *In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (eg cutting of high grades) and cut-off grades are usually Material and should be stated.* · *Where aggregate intercepts incorporate short lengths of high grade results and longer lengths of low grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail.* · *The assumptions used for any reporting of metal equivalent values should be clearly stated.*	No aggregated data was reported in the document. The full set of assay results for relevant elements is included in Appendix 1
Relationship between mineralisation widths and intercept lengths	· *These relationships are particularly important in the reporting of Exploration Results.* · *If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.* · *If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (e.g. 'down hole length, true width not known').*	Any intersections included in the accompanying report are down hole lengths. The true widths of these intersections are not known.

Criteria	JORC Code explanation	Commentary
Diagrams	· *Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.*	Appropriate maps included within the body of the report.
Balanced reporting	· *Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.*	The accompanying document is considered to represent a balanced report. The author has referenced numerous ASX releases by neighbouring exploration companies where balanced reporting is considered to have been undertaken.
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.*	The author has referenced publicly available historic reports where balanced reporting is considered to have been undertaken. **Razorback** Reference has been made to previous rock and soil sampling results by Sultan over the Razorback project. The planning of the drill program has also relyed on previous geological mapping and geophysical surveys, including Induced Polarisation and historic aeromagnetic surveying. The Induced Polarisation (IP) survey method is often used to determine the location of disseminated sulphides. Rocks containing sulphide minerals can be more readily charged than barren ground. An external current is applied, and charge separation can occur on sulphide grain boundaries. When the transmitted current is switched off the decay of the current can be measured. The IP survey was completed by Fender Geophysics. The oversight of the survey and auditing (QAQC) and processing of data acquired was conducted by Alan Ortel, an experienced geophysict. The IP survey array used was Dipole-Dipole with a 100m receiver dipole size and a 100m transmitter dipole size. The transmitter dipole was moved at 100m intervals, achieving a 100m station spacing. Five lines, (5), two 4.6km, two 4.4km and one 3km North-South orientated lines spaced at 200m intervals, and extend from 4.3 to 5km were completed over the Big Hill and Gowan Green prospect. Another eight (8), 1.8km lines orientated east west, in 200m intervals were completed from Big Hill moving south to cover the Razorback prospect. Data from both surveys have been

Criteria	JORC Code explanation	Commentary
		inverted with final pseudosections and wireframe isosurfaces were provided as finished products from Geopotential Consulting Pty Ltd. The transmitter used is a GDD-Tx4, 5kVA transmitter system and the receiver used in a GDD-Rx32. The survey was collected with a frequency of 0.25Hz. The transmitter and receiver electrode positions are located to hand-held GPS accuracy, generally +-3m (UTM projection GDA94 Zone 55). Other Geophysical data including the 2013, Clancy Exploration 1805 line-km helicopter-based magnetic and radioelement survey using Aerosystems have been referred to in interpreting the Razorback Au-Cu data
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).*	**Razorback** Razorback forms part of the greater Big Hill porphyry Cu-Au target area. Further work will incorporate the information from the Razorback drilling in searching for deeper porphyry mineralisation. Future exploration will involve reprocessing and collection of further geophysical data, further surface mapping and sampling and ultimately deeper drilling.
	· *Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.*	Diagrams covering the target areas and main geological interpretation are contained within the report.