Jadar Resources

ASX RELEASE: 30th March 2021

Due Diligence Completed and Moving Towards Settlement of Khartoum Tin-Silver-Tungsten Project

Highlights

- **Jadar has completed its due diligence of the Khartoum Tin-Silver-Tungsten Project in North Queensland Australia and is now moving towards final settlement of the Sale and Purchase Agreement**
- **Over 24 highly prospective targets identified from rock chip sampling. Targets also contain a large number of old Sn, Ag-Pb-Zn, Cu, Au and W mines and mineral occurrences within tenement area.**
- **Kitchener group of mines identified with historic shallow significant intersections of:**
  - **15m at 0.52% Sn from 18m and 12m at 1.0% Sn from 44m – Hole WYM01**
  - **22m at 0.65% from 10m – Hole WYM05**
  - **11m at 0.62% Sn from 19m – Hole WYM06**
- **Historic Mount Luxton Gold-Silver mine identified with rock chip assays of:**
  - **3.39g/t Au, 241g/t Ag, 0.11% Cu, 8.25% Pb and 0.1% Sn – Mullock composite**
  - **0.58g/t Au and 32.2g/t Ag – Working outcrop**
  - **1.02g/t Au and 5.8g/t Ag – Mullock sample**

Jadar Resources Limited (ASX:JDR) ("**Jadar**", the "**Company**") is pleased to announce that it has completed the due diligence of the Khartoum Tin-Silver-Tungsten project in North Queensland and is now moving towards final settlement of the Sale and Purchase Agreement with Jervois Mining Limited.

Once final settlement has been completed Jadar is planning to complete a sampling and mapping program to refine the most prospective drill targets with the aim to complete a drilling program in 2021.

The Khartoum Project is located approximately 100km south west of Cairns, the Khartoum tenement package consists of 5 exploration permits EPM14797, EPM19112, EPM19113, EPM19114 and EPM19203 covering a total area of 198km^2.

Khartoum has been identified as particularly prospective for tin, silver, and tungsten mineralisation hosted by a Late Carboniferous-Early Permian felsic intrusive, mostly associated with cassiterite bearing quartz veins in greisen and disseminated cassiterite in greisen.

Further details of the Khartoum Project acquisition are contained in the Company's announcement of 9 February 2021.[1]

Khartoum Tenement Portfolio

The Khartoum tenement package consists of 5 exploration permits EPM14797, EPM19112, EPM19113, EPM19114 and EPM19203 covering a total area of 198km^2.

[1] The Company is not aware of any new information or data that materially affects the information included in the announcement of 9 February 2021

Tenement Portfolio Summary

Tenement	Grant date	Expiry date	Sub blocks/area
EPM14797	13/1/2006	12/1/2021*	17
EPM19112	4/3/2014	3/3/2022	9
EPM19113	29/5/2014	28/5/2022	10
EPM19114	3/3/2014	2/3/2022	24
EPM19203	3/3/2014	2/3/2022	6

*Renewal submitted

Table 1 – Tenement Portfolio Summary

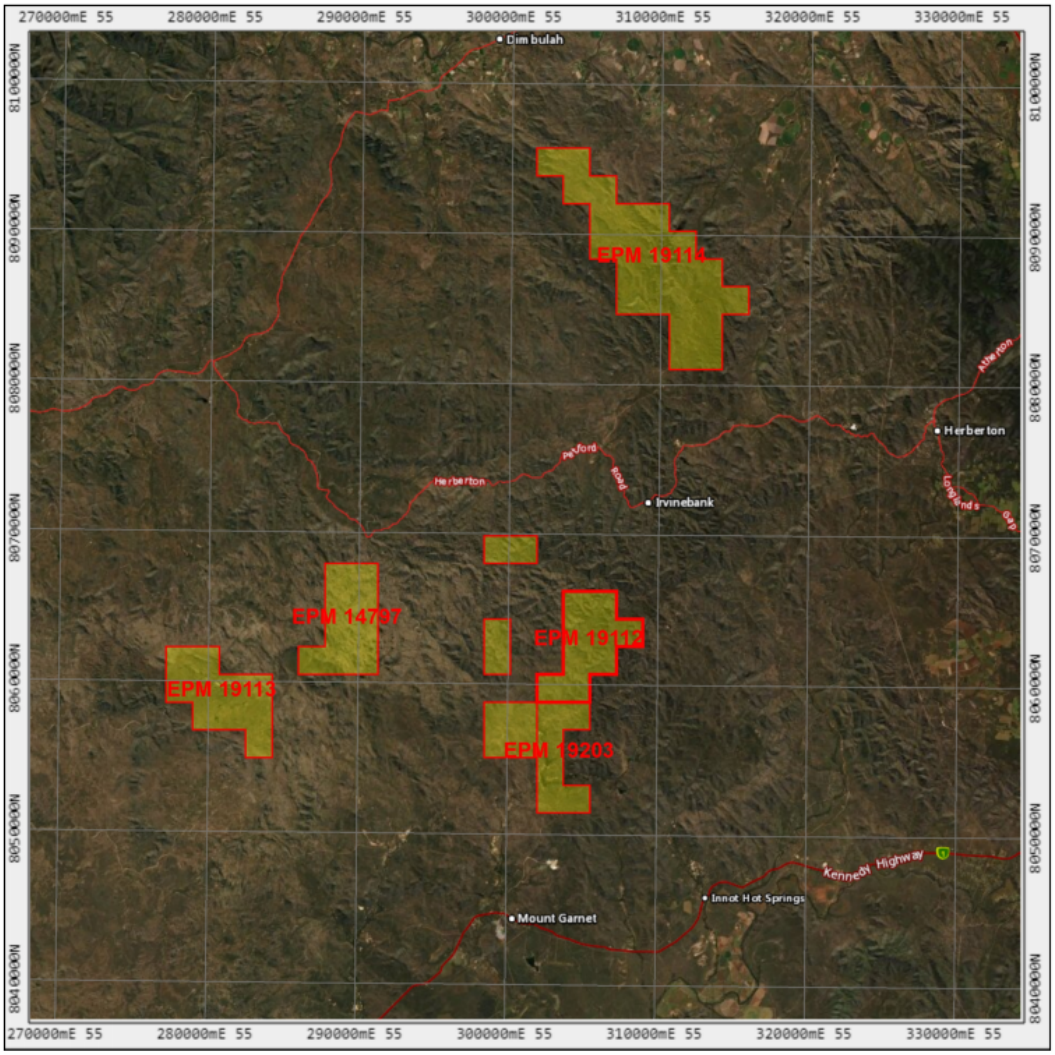

Figure 1 – Khartoum Project tenement areas

Regional Geology and Mineral Systems

The Herberton region contains a suit of rocks ranging from Paleoproterzoic gneiss to Tertiary cover. The rocks of primary interest are the numerous highly fractured I-type mid-late Carboniferous granitoids of the O'Briens Creek Supersuite and late Carboniferous Boonmoo Volcanic Subgroup felsic volcanics which dominate the tenement package and have intruded, or overlie, the extensive Devonian Hodgkinson Formation, a series of interbedded sedimentary units consisting primarily of arenite and mudstone with lesser chert, conglomerate, basalt and limestone.

The Herberton area is a major tin-tungsten bearing district and contains numerous historic workings for tin, tungsten, copper, zinc, molybdenum, antimony, lead, silver and gold. In granite-related tin deposits the metals are commonly focused along the apical portions of the granite and metal bearing fluids may breach into the wall rocks resulting in vein systems and breccias with significant alteration footprints. Figure 2 below shows schematic representations of the Sn-W deposits of the region. Metal zonation is a key exploration tool in assessing the proximity to the source intrusions along with alteration style. Tin tungsten mineralization is focused immediately around the local granite cupola with greisenisation of the host intrusive and tourmaline, chlorite, and silica alteration of the wall rocks. At an intermediate distance copper is present, and in the distal cooler portions of the system lead-silver occurs. Faults and veins are vital parts of the system as they provide pathways for fluids. These veins can assist in tracing the mineralization back to source. Replacement deposits are also associated with the Sc-W systems and likewise have zonation. Alluvial tin is also prevalent and has been readily exploited in the past.

Other mineral systems may be present in the area and include intrusion related gold (IRG), W-Mo-Bi and Cu-dominant systems. Several prospects show within the tenement area show mineral association typical with IRG systems, although more work is required to further evaluate the potential for IRG systems in the Khartoum tenement package area.

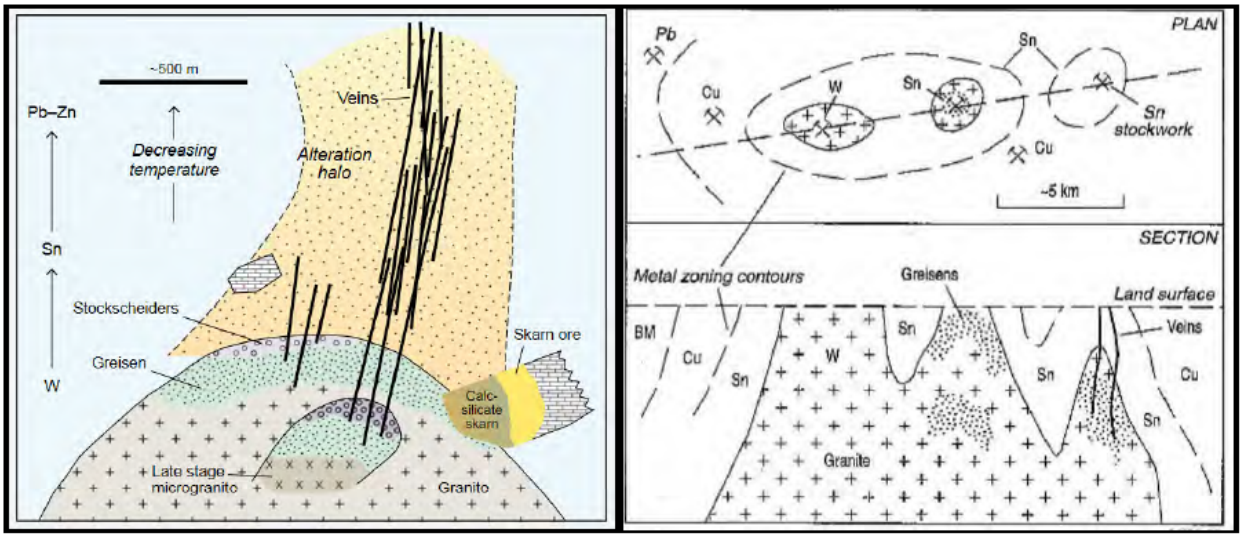

Figure 2 – Plan and section diagrams of the expected district zonation in Palaeozoic Sn-W deposits in eastern Australia (Blevin 1998)

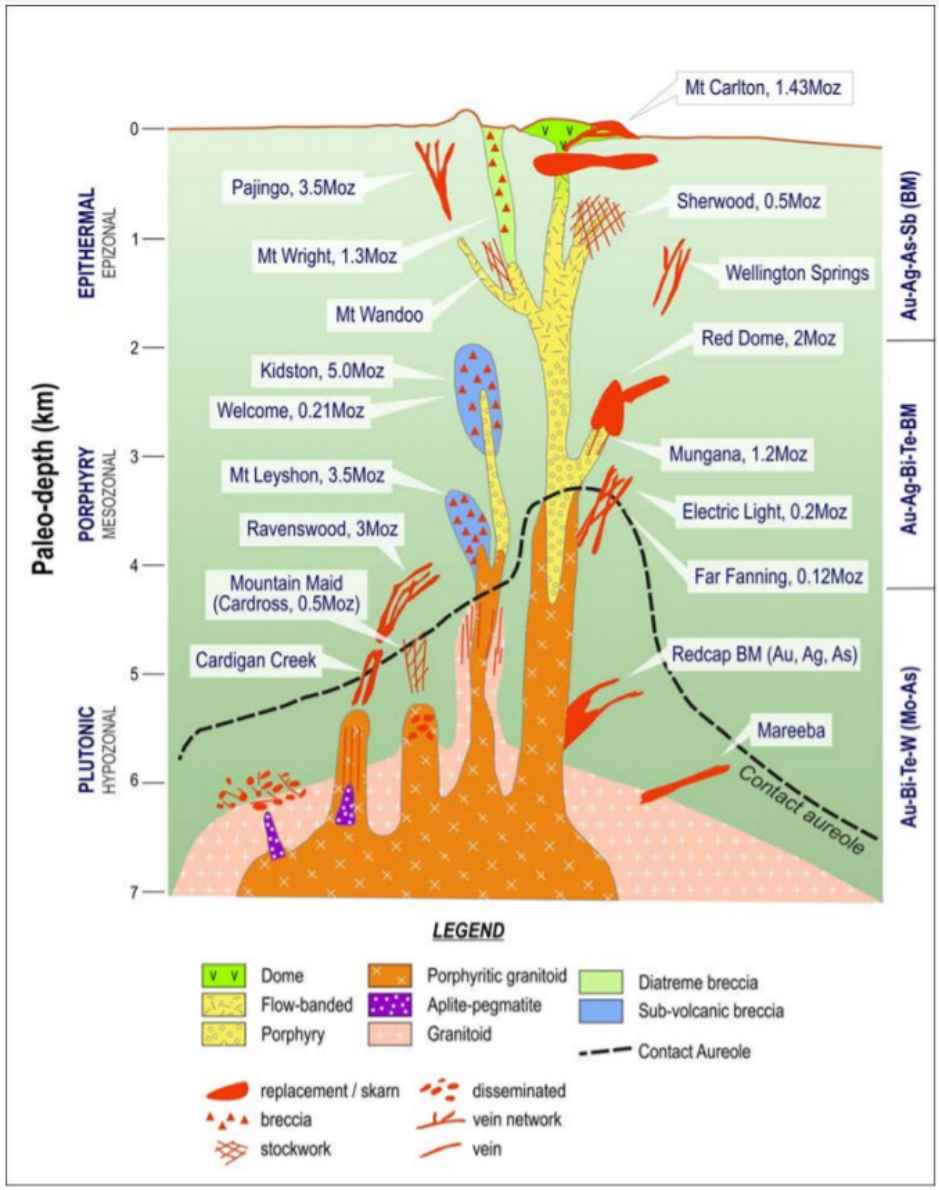

Figure 3 – Intrusion related gold systems of North Queensland, Charters Towers Province (Morrison and Beams, 2015)

2017 Field Exploration Program

In 2017 previous tenement holders completed field reconnaissance work across all tenements at locations that have not been a focus for previous explorers. Over 30 sites were visited and inspected with 219 rock chip samples collected and submitted for analysis. From the 2017 field program geological mapping and site interpretation was also completed with the following significant assays being obtained from the rock chips:

Significant tin (Sn) mineralization was detected at the following sites:

- Good Hope Mine – Up to 6.6% Sn

- Maria Mine – Up to 7.6% Sn
- Adjacent to the General Gordon Mine – Up to 4.8% Sn
- Excellent Mine – Up to 0.7% Sn
- Excelsior Mine – Up to 2.2% Sn
- Miracle Mine – Up to 0.9% Sn
- Gilmore Mine – Up to 1.6% Sn
- 4 areas east of the Gilmore Mine – Up to 4.6% Sn
- Empire Mine – Up to 0.2% Sn
- Lass O'Gowrie Mine – Up to 2.1% Sn
- Jimminy Cricket Trend – Up to 3.1% Sn
- Eureka Mine area – Up to 6.9% Sn
- Unnamed area 311060mE 8084120mN – Up to 1.6% Sn

Significant tungsten (W) mineralization was detected at the following sites:

- Tungsten Knob – Up to 0.5% W
- Gows Prospect – Up to 0.4% W
- Empire Mine – Up to 0.2% W
- Imperial Mine – Up to 2.6% W
- Lass O'Gowrie Mine – Up to 0.3% W
- Jimminy Cricket Trend – Up to 0.5% W

Significant copper (Cu) mineralization was detected at the following sites:

- Ann Prospect – Up to 4.2% Cu
- Mount Fairy Mine – Up to 10.9% Cu
- Empire Mine – Up to 0.9% Cu
- Lass O'Gowrie Mine – Up to 2.6% Cu

Significant Zinc (Zn) + lead (Pb) mineralization was detected at the following sites:

- Ann Prospect – Up to 2.8% Zn, 0.8% Pb
- Home Rule Mine – Up to 3.2% Zn, 0.2% Pb
- New Eastern Mine – Up to 1% Pb

Significant Silver (Ag) + Indium (In) mineralization was detected at the following sites:

- Ann Prospect – Up to 46g/t Ag, 480g/t In
- Home Rule Mine – Up to 54g/t Ag, 58g/t In
- Leslie Mine – Up to 51g/t In
- Eureka Mine – Up to 58g/t Ag, 55g/t In
- Lass O'Gowrie Mine – Up to 106g/t Ag, 245g/t In
- Empire Mine – Up to 35g/t Ag, 317g/t In
- Gows Prospect – Up to 86g/t Ag, 50g/t In
- Mount Fairy Mine – Up to 47g/t Ag, 144g/t In
- Maria Mine – Up to 92g/t In
- Iri Fune Prospect – Up to 71g/t Ag, 53g/t In

Anomalous gold was located at several sites. It is thought that the intrusion related gold potential of the area has not adequately been assessed.

Gold (Au) mineralization was detected at the following sites:

- Gows Prospect – Up to 0.64g/t Au
- Iri Fune Prospect – Up to 0.39g/t Au
- North of General Gordon Mine – 0.08g/t Au
- South of General Gordon Mine – Up to 0.46g/t Au
- Maria Mine – 1.32g/t Au
- Tungsten Knob-Black Prince – 0.14g/t Au
- Imperial Mine – Up to 0.54g/t Au
- Lass O'Gowrie – Up to 0.35g/t Au
- Jimminy Cricket Trend – Up to 0.32g/t Au

The Au-Bi-W-Te association typical of intrusion related gold (IRG) systems is demonstrated to be present at following sites:

- Gows Prospect – EPM14797
- Iri Fune Prospect – EPM14797
- Imperial Mine – EPM19114

Further work is required to understand the potential of IRG systems within the Khartoum tenement package area.

Maps of all EPM's and individual prospect locations can be seen in the attachments.

Kitchener Group of Mines

The Kitchener group of mines is located within EPM19114 and makes up a 1.3km trend of historic mines with recorded production of over 1,959t of tin metal at grades up to 3.26% tin (Ivanhoe Mine). The bulk of production from the Kitchener area has come from a single line of lode, extending from the Eclipse mine at the south to the You and Me mine in the north, a distance of 1.3km. The mines were discovered in 1891 and have been intermittently worked up until open pit mining in 1978 at the You and Me mine.

The potential for shallow, high grade mineralization is indicated by shallow drill results (maximum depth of 60m) from drilling in 1985 by Great Northern Mining Corporation at the You and Me mine, including:

- **15m at 0.52% Sn from 18m and 12m at 1.0% Sn from 44m – Hole WYM01**
- **22m at 0.65% from 10m – Hole WYM05**
- **11m at 0.62% Sn from 19m – Hole WYM06**

The highest one meter intersection was 3.23% Sn, most holes ended in mineralization. Significant intersections are provided in table 2 below.

No further exploration has been undertaken at the Kitchener group of mines since the limited exploration of the mid 1980's. Significant potential exists for extensions to the mines lodes at depth, particularly below the main Kitchener adit level and for the discovery of repeat lodes along strike. Apart from surface prospecting no work has been undertaken to identify new lodes which may be present at shallow depth.

Kitchener group of mines underground workings long section can be seen below in figure 4.

HOLE ID	HOLE DEPTH	EAST (local)	NORTH (local)	AZIMUTH (magnetic)	DIP	FROM	TO	WIDTH (m)	Sn (%)
WYM01	33	970	1013	339.5	-62	26	28	2	0.44
WYM02	30	970	1014	351.5	-60				NSR
WYM03	31	972	1009	325	-60	27	31	4	0.81
WYM04	60	972	1008	323	-60	8	9	1	0.54
						18	33	15	0.52
						44	56	12	1.00
WYM05	37.5	972	1005	316	-60	10	32	22	0.65
WYM06	57.3	972	1004	324	-65	19	30	11	0.62
WYM07	38.2	962	1031	320	-45	18	20	2	1.82
						33	38	5	1.37

Table 2 – 1985 Drilling intersected mineralisation

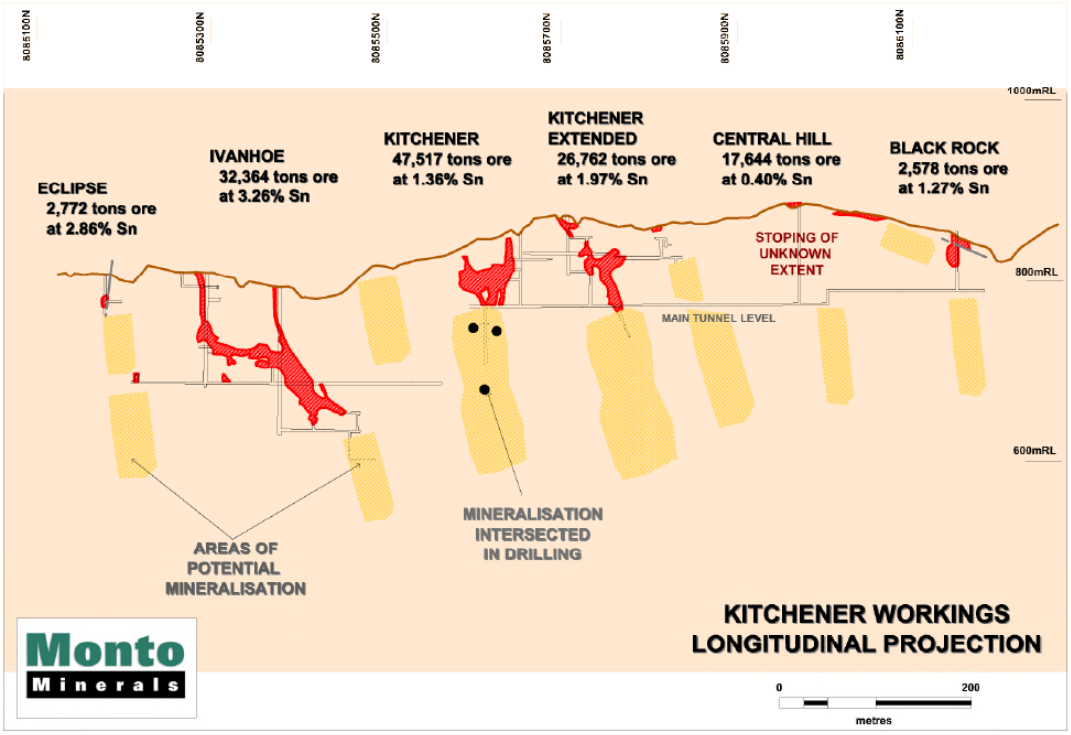

Figure 4 – Long section of Kitchener workings

Mt Luxton Gold-Silver Mine Area

The Mount Luxton gold and silver workings are approximately 44km west-south-west of Herberton, 22km north-west of Mount Garnet. Gold was first discovered at Mount Luxton around 1896. The historic mine shaft is situated on a ridge to the east of Mount Luxton, the reef makes little feature on the surface and the entire hill is covered by loose stones, which makes prospecting difficult.

Rock chip's taken in 2006 from the Mount Luxton area returned results of:

- **3.39g/t Au, 241g/t Ag, 0.11% Cu, 8.25% Pb and 0.1% Sn – Mullock composite**
- **0.58g/t Au and 32.2g/t Ag – Working outcrop**
- **1.02g/t Au and 5.8g/t Ag – Mullock sample**

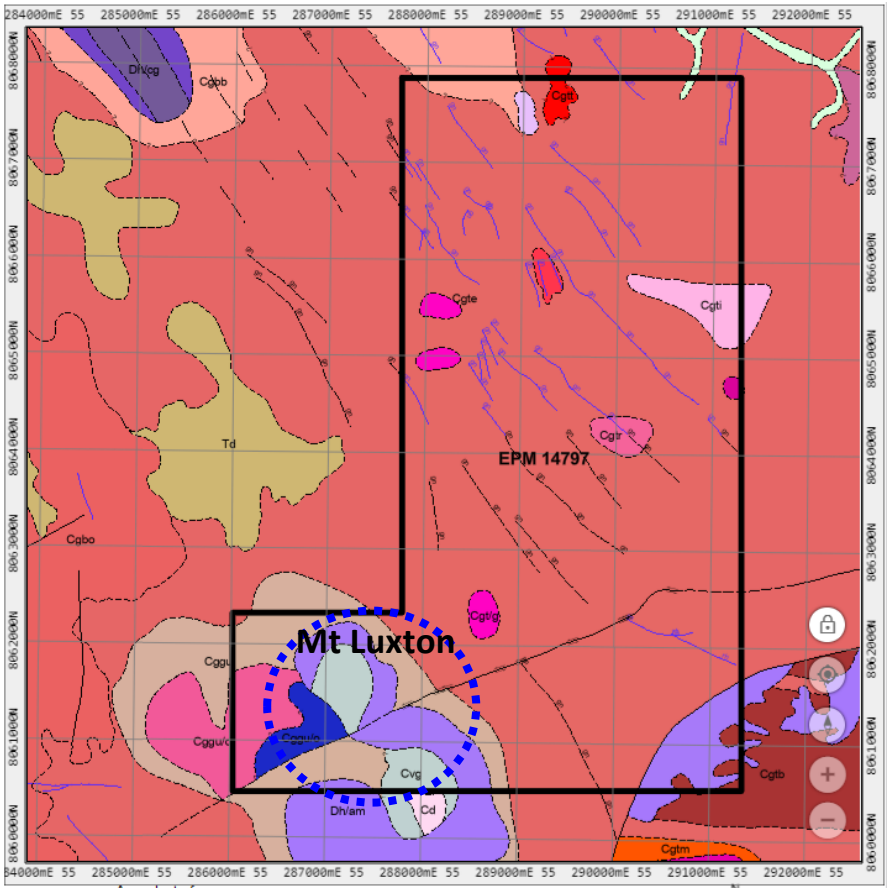

Figure 5 – Mt Luxton with major structural fault running through the area

In 2012 Fathom Geophysics completed intrusion detection to magnetic and radiometric data covering the entire Khartoum Tenement area. The goal of the intrusion detection model was to develop the use of radial symmetry filter in a move towards automated interpretation of potential field and topographic data that would be most similar to an interpretation by a person. The filter highlights round features in the data, this allows location of areas that have a higher likelihood of being intrusive bodies or discrete alteration zones.

The filter looks for features with a radius between a base radius and two times that radius. It will not locate features that are significantly larger or smaller than the range used. The radial symmetry filter has been applied as follows:

- RTP VIAS magnetic data at two different base radii: 1km highs and 4km highs
- RTP magnetic data: 4km highs

The image below shows the results of vectorised version of the VIAS intrusion detection results shown over the VIAS magnetic data. This shows that the Mt Luxton is adjacent to a potentially significant intrusive body with Mt Luxton showing a large magnetic signature.

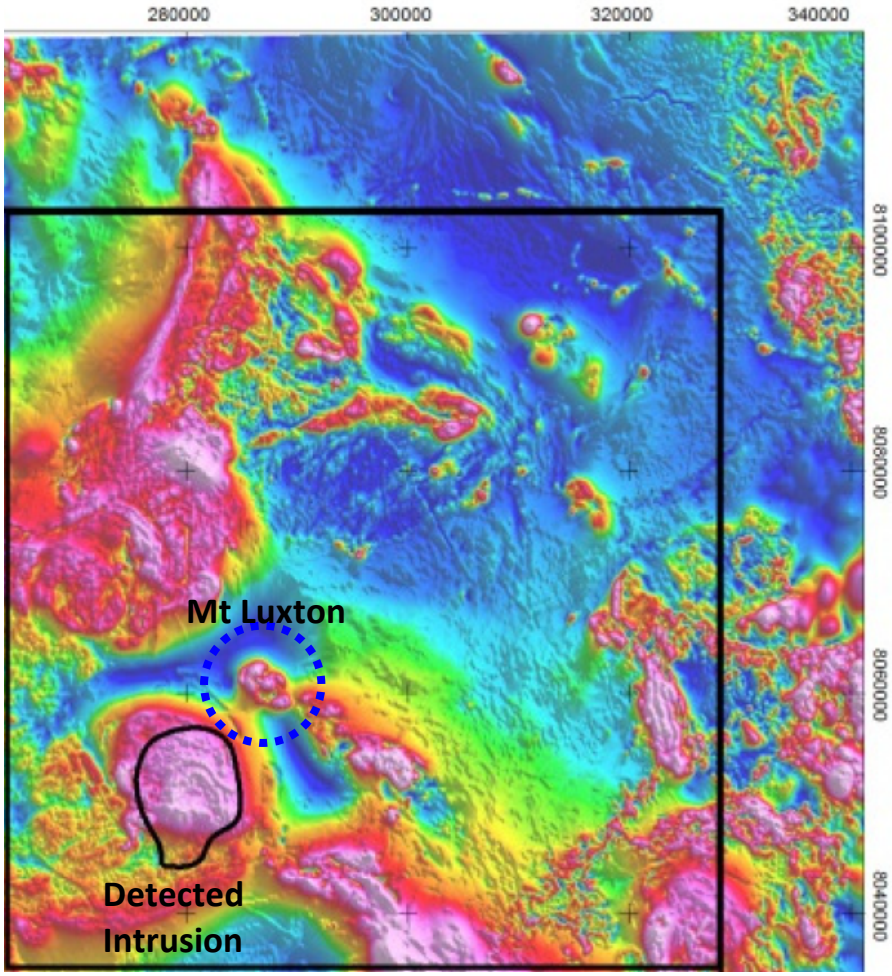

Figure 6 – Magnetic geophysics over the Mt Luxton area

Further work is required to understand the exploration potential of the Mt Luxton area.

ENDS

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This ASX announcement was authorised for release by the Board of Jadar Resources Limited.

Competent Persons Statement

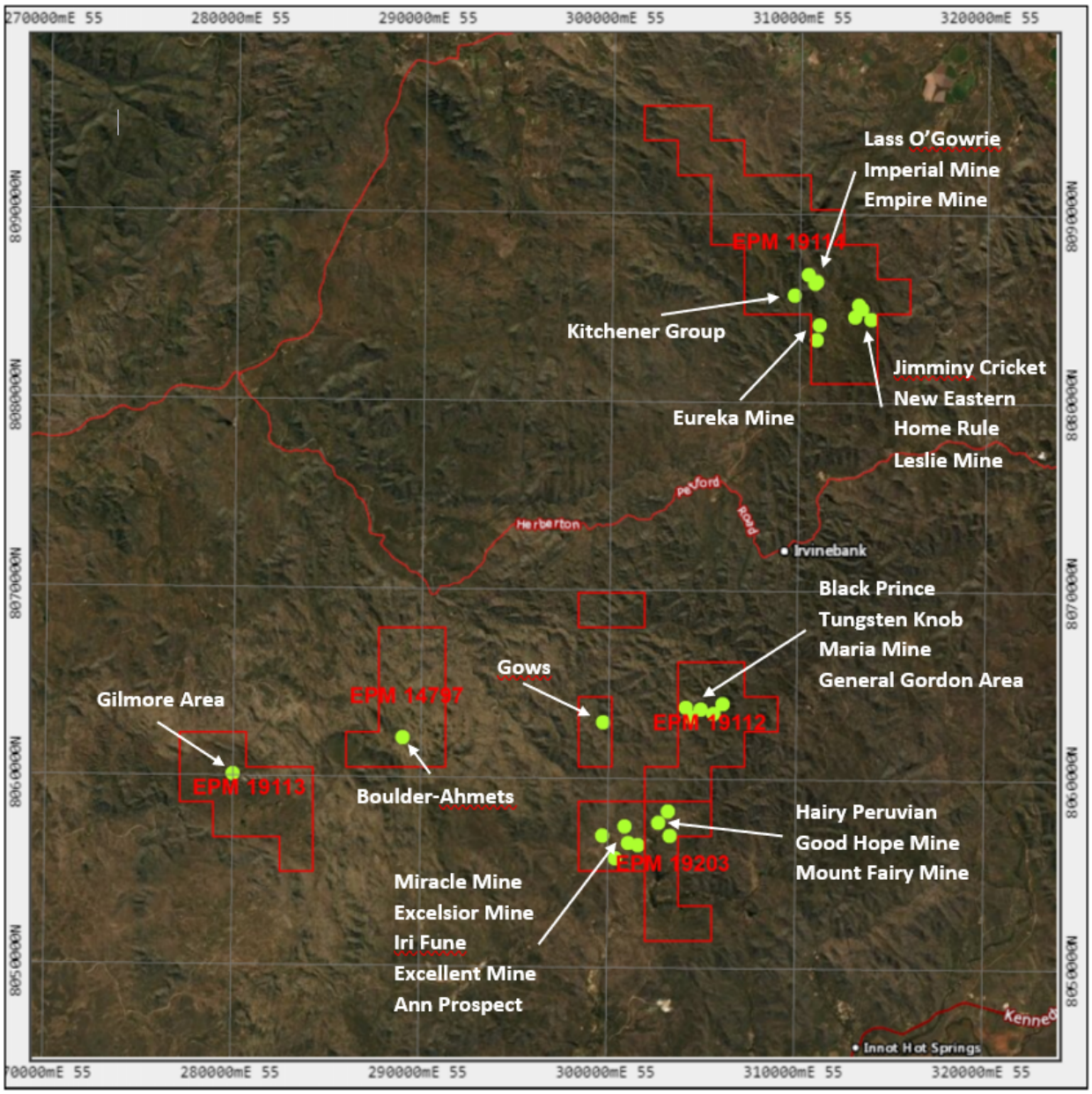
The information in this announcement that relates to the Khartoum Tin-Silver-Tungsten project is based on information compiled by Dr Howard Carr who is a Member of the Australian Institute of Geoscientists. Dr Carr is contracted exclusively to Jadar. Dr Carr has sufficient experience which is relevant 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". Dr Carr consents to the inclusion in this announcement of the matters based on information in the form and context in which it appears.

Forward Looking Statement

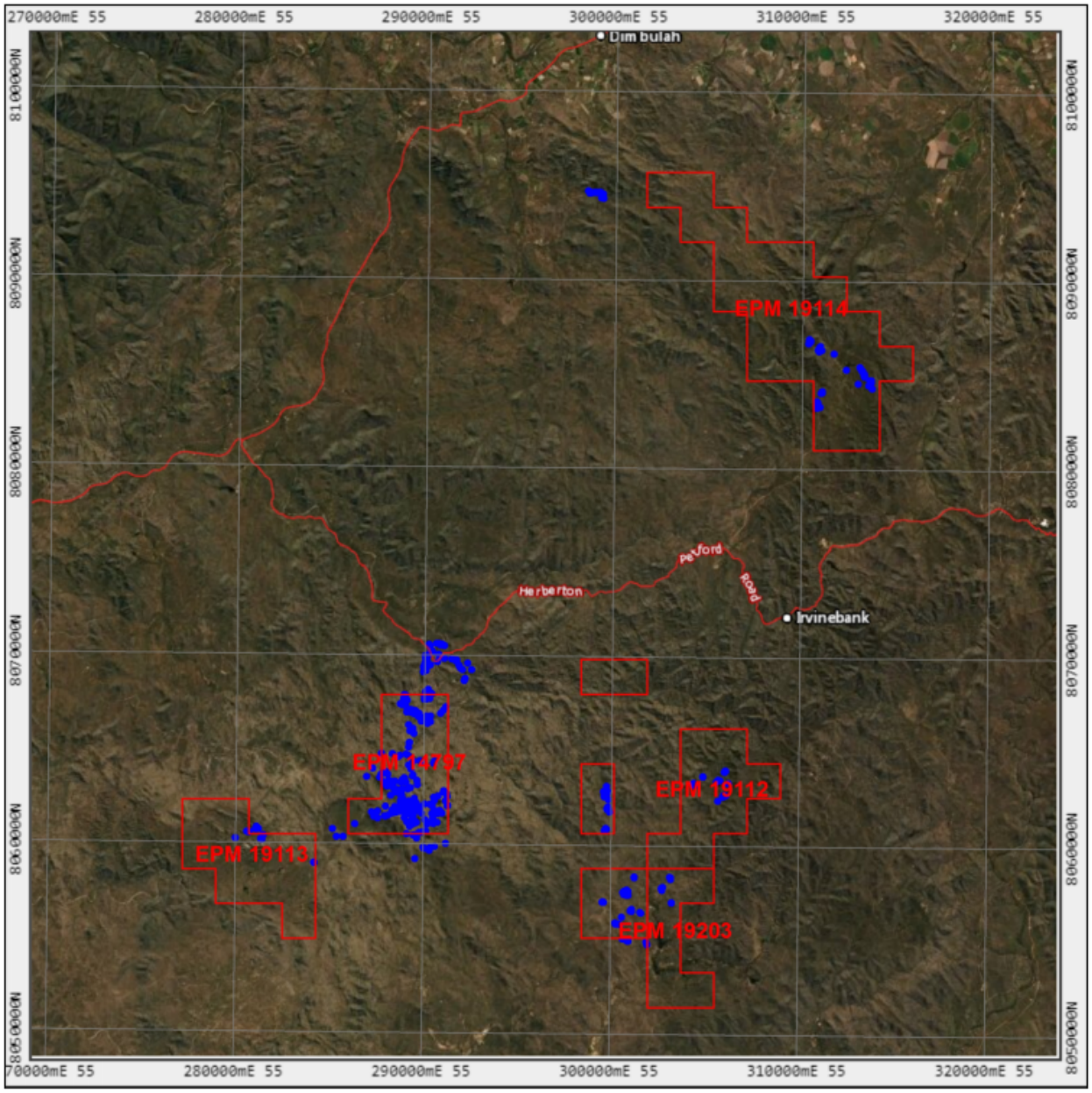
Forward Looking Statements Statements regarding Jadar´s plans with respect to its mineral properties and programs are forward-looking statements. There can be no assurance that Jadar's plans for development of its mineral properties will proceed as currently expected. There can also be no assurance that Jadar will be able to confirm the presence of additional mineral resources, that any mineralisation will prove to be economic or that a mine will successfully be developed on any of Jadar's mineral properties. The performance of Jadar may be influenced by a number of factors which are outside the control of the Company and its Directors, staff, and contractors. These statements include, but are not limited to statements regarding future production, resources or reserves and exploration results. All of such statements are subject to certain risks and uncertainties, many of which are difficult to predict and generally beyond the control of the company, that could cause actual results to differ materially from those expressed in, or implied or projected by, the forward-looking information and statements. These risks and uncertainties include, but are not limited to: (i) those relating to the interpretation of drill results, the geology, grade and continuity of mineral deposits and conclusions of economic evaluations, (ii) risks relating to possible variations in reserves, grade, planned mining dilution and ore loss, or recovery rates and changes in project parameters as plans continue to be refined, (iii) the potential for delays in exploration or development activities or the completion of feasibility studies, (iv) risks related to commodity price and foreign exchange rate fluctuations, (v) risks related to failure to obtain adequate financing on a timely basis and on acceptable terms or delays in obtaining governmental approvals or in the completion of development or construction activities, and (vi) other risks and uncertainties related to the company's prospects, properties and business strategy. Our audience is cautioned not to place undue reliance on these forward-looking statements that speak only as of the date hereof, and we do not undertake any obligation to revise and disseminate forward-looking statements to reflect events or circumstances after the date hereof, or to reflect the occurrence of or non-occurrence of any events.

Attachments

Attachment 1 – High Priority Historic Mine Locations



Attachment 2 – 2006 and 2017 rock chip locations – blue dots



Attachment 3 – 2017 rock chip program results in ppm

Sample	Easting	Northing	Locality	Ag	As	Au	Bi	Cu	In	Mo	Pb	Sb	Sn	W	Zn
KHR001	288802	8063243	outcrop	0.06	400	-0.01	10.15	22.6	40.5	0.43	31.4	1.57	237	21.5	111
KHR002	288802	8062546	outcrop	1.87	662	-0.01	27.4	19.9	1.705	0.24	435	2.4	449	11.1	38
KHR003	288689	8061842	dump	0.35	916	0.01	1.34	34.4	14.3	4.48	256	5.2	197.5	10.7	55
KHR004	289647	8062014	dump	5.26	1990	0.02	53.9	238	325	1.24	169	2.67	263	15.9	247
KHR005	289550	8062040	dump	89	>10000	0.01	217	856	8.31	2.27	42700	66.6	91.4	7.3	797
KHR006	289551	8062041	outcrop	1.61	945	-0.01	1.81	205	1.555	2.27	108.5	2.49	69.2	6.9	118
KHR007	289046	8062091	outcrop	0.25	98.1	-0.01	4.37	8.4	2.95	0.74	240	2.02	103.5	5.9	83
KHR008	289047	8062092	outcrop	1.37	1080	-0.01	8.89	82.9	4.71	0.55	586	2.78	264	8.6	40
KHR009	289270	8061925	outcrop	0.22	147	-0.01	2.61	17.5	1.525	0.62	53.2	1.41	132	7.9	24
KHR010	289209	8061868	outcrop	1.04	37.2	-0.01	2.84	4.4	1.84	1.26	29.3	1.29	138.5	7.3	47
KHR011	289264	8061829	outcrop	0.35	53.3	-0.01	8.88	7.4	0.454	1.52	33.1	0.3	66.9	16.3	42
CC001	310874	8083346	dump	4.81	118	0.01	11.1	41.1	0.818	0.59	675	14.8	87.7	22	195
CC002	310889	8083365	dump	58.2	52.2	0.01	22.8	36.8	1.945	0.68	2870	22.1	66	1.5	324
CC003	313272	8085089	dump	0.23	32.7	-0.01	2.06	12.3	0.308	0.36	56.1	23.8	14	1.8	20
CC004	313266	8085029	outcrop	2.62	24.7	-0.01	92.4	83.2	29.1	1.07	28.4	4	24.7	500	31
CC005	313266	8085030	outcrop	3.87	119.5	0.05	83.9	155	7.38	1.14	22.6	11.5	115	214	108
CC006	312971	8084555	dump	26.1	3110	0.01	34.7	1200	58.4	1.33	2170	29.3	53	8	22300
CC007	312970	8084555	dump	3.18	545	-0.01	6.24	394	46.6	0.9	277	5.19	130	18.2	2470
CC008	313164	8085284	dump	0.16	17.3	0.09	1.32	16.6	0.808	0.3	20	1.16	36.4	11.7	107
CC009	313527	8084471	outcrop	24.8	4580	0.01	0.69	176	0.838	0.32	10400	6.48	30.4	16.1	176
IC170924-01	299662	8060771	outcrop	0.03	35.4	-0.01	9.92	19.5	1.85	0.82	10.3	0.81	87	30	39
IC170924-02	299734	8060904	outcrop	0.31	5100	-0.01	13.45	633	5.27	1.43	1070	21.1	-5	100	22
IC170924-03	299776	8060846	outcrop	0.07	216	-0.01	2.8	89.2	0.954	1.19	26.2	2.85	68	10	31
IC170924-04	299931	8061765	outcrop	0.1	25	-0.01	2.69	43.7	0.513	309	251	0.72	35	20	23
IC170924-05	299847	8061859	dump	0.04	48.9	-0.01	9.79	9.1	0.102	1150	132.5	0.36	5	310	4
IC170924-06	299697	8062602	dump	1.45	943	-0.01	59.7	191	0.591	9.15	228	11.5	15	2850	10
IC170924-07	299664	8062610	dump	14.85	9710	0.05	5920	2090	49.8	21.2	2360	28.9	145	2840	30
IC170924-08	299654	8062606	dump	85.5	>10000	0.11	>10000	1320	24.4	13	2470	56.6	93	2890	19
IC170924-09	299643	8062661	dump	2.18	803	-0.01	168.5	191.5	0.552	2.25	281	3.72	11	100	13
IC170924-10	299644	8062841	dump	0.47	341	-0.01	214	196.5	1.755	2.8	160.5	3.2	-5	80	12
IC170924-11	299598	8062846	dump	1.1	411	-0.01	162	66.5	0.557	2.3	42.9	5.41	24	40	222
IC170924-12	299717	8062857	dump	1.47	3140	0.08	2330	793	23.2	3.22	7530	46.8	40	960	141
IC170924-13	299700	8062786	dump	2.49	129	-0.01	48.3	233	0.635	1.35	212	3.82	17	30	43
IC170924-14	299669	8062773	outcrop	0.04	9.6	-0.01	6.3	54	0.779	1.46	16.5	0.1	46	20	29
IC170924-15	299640	8062556	outcrop	0.03	63.3	-0.01	23.5	55.8	0.638	2.29	94.5	0.72	53	20	30
IC170924-16	301132	8056546	dump	70.9	123.5	0.11	1145	2350	52.6	30.2	7380	433	2590	10	629
IC170924-17	301150	8056631	outcrop	7.56	4040	0.39	203	231	5.92	6.81	2360	245	2450	70	1200
IC170924-18	301160	8056494	outcrop	0.16	13.1	-0.01	43.9	12.2	2.16	0.65	79.9	2.38	8	10	800
IC170925-01	299848	8061874	outcrop	0.02	61.4	-0.01	18.4	5.4	0.17	1480	87.1	0.24	9	570	13
IC170925-02	299822	8061895	outcrop	0.11	4.5	-0.01	17.1	14.8	0.351	2360	96.3	0.67	10	380	13
IC170925-03	299844	8061972	dump	-0.01	27.3	-0.01	3.58	4.7	0.652	14.85	17.4	1.09	95	10	37
IC170925-04	299804	8061935	dump	-0.01	69.8	-0.01	9.93	72.4	3.21	122.5	102.5	0.3	338	160	208
IC170925-05	299784	8061909	dump	0.07	15.5	-0.01	3.45	26.9	0.632	48.6	52.2	0.35	32	10	20
IC170925-06	299848	8062043	dump	-0.01	19.6	0.02	57.6	27.3	2.18	5.36	11.8	0.46	79	60	34
IC170925-07	299864	8061987	outcrop	0.05	9	0.23	302	4.3	1.585	199.5	119.5	0.31	102	2070	31
IC170925-08	299888	8061916	outcrop	-0.01	4	-0.01	21.1	3.2	0.702	5.25	5.5	0.14	50	20	23
IC170925-09	299869	8062417	float	0.06	88.3	-0.01	39.4	47.2	0.479	2.73	58.8	1.37	12	80	13
IC170925-10	299777	8062748	dump	0.07	205	-0.01	65.7	137	0.29	2.9	128.5	4.89	-5	60	13
IC170925-11	299777	8062750	dump	6.27	5520	0.06	5070	791	2.92	8.96	2530	54.1	15	2330	41
IC170925-12	299773	8062766	dump	11.1	3320	0.37	>10000	3900	151	2.06	4410	131	1325	4020	134
IC170925-13	299794	8062800	dump	2.02	8740	0.19	3290	792	26	2.56	993	19.75	89	1190	20

IC170925-14	299804	8062869	outcrop	29	>10000	0.64	5380	1890	29.6	2.61	4560	116	212	940	72
IC170925-15	299757	8063128	dump	0.25	196	0.01	431	103	1.79	1.35	135.5	3.5	31	120	19
IC170925-16	301279	8058291	subcrop	0.64	>10000	0.01	27.6	114.5	34	12.25	9450	58.5	269	20	219
IC170925-17	301268	8058343	outcrop	0.77	482	0.01	173.5	68	0.881	1.71	153	9.64	11	30	8
IC170925-18	301129	8056584	outcrop	13.75	166	0.02	238	646	8.24	3.72	614	24.9	1415	3.5	1020
IC170925-19	301096	8056579	outcrop	6.36	206	0.01	26.1	356	1.565	4.4	535	7.3	20	10	698
IC170925-20	301078	8056524	outcrop	2.31	15	-0.01	18.25	366	1.17	4.32	382	6.44	9	300	299
IC170925-21			STANDARD	0.95	152	-0.01	341	1510	10.85	1.78	24.5	33.3	1800	20	1720
IC170926-01	300534	8055801	dump	55	918	-0.01	75.9	41600	480	1.49	3040	31.3	132	-10	6850
IC170926-02	300342	8055831	outcrop	3.83	524	-0.01	4.39	615	8.05	0.81	383	36.6	12	-10	4610
IC170926-03	300332	8055833	outcrop	2.02	182.5	-0.01	1.35	155.5	3.33	1.86	326	48.3	41	10	6600
IC170926-04	300323	8055838	outcrop	37.6	22.9	-0.01	141	4290	33.1	0.97	7910	20.3	90	10	9100
IC170926-05	300305	8055837	outcrop	45.9	1690	-0.01	73.7	7260	40.4	17.1	4770	113	267	20	27600
IC170926-06	300279	8055887	outcrop	1.34	10.5	-0.01	0.83	50	0.289	0.31	433	2.28	7	-10	469
IC170926-07	300612	8056197	outcrop	2.51	17.2	0.04	551	480	12.85	1.18	362	12.7	206	20	635
IC170926-08	300731	8057410	outcrop	0.3	81	-0.01	14.75	354	3.7	0.85	28.5	1.93	162	90	147
IC170926-09	300738	8057445	outcrop	0.11	60.2	-0.01	7.11	228	5.12	0.28	21.8	1.43	219	20	72
IC170926-10	300895	8057639	float	0.19	23.2	-0.01	19.75	30.9	1.19	0.83	53.4	1.91	78	10	35
IC170926-11	300784	8057474	dump	0.02	3.1	0.01	0.95	11.8	0.762	0.3	14.1	0.36	29	10	53
IC170926-12	300948	8057566	float	0.72	246	-0.01	943	327	24.4	4.73	144.5	11.95	171	30	251
IC170926-13	300958	8057363	dump	0.06	663	-0.01	5.31	7.3	1.965	0.09	9.1	0.35	7160	50	399
IC170926-14	300960	8057363	dump	0.05	63.6	-0.01	0.87	41	0.516	0.23	11	0.25	334	20	118
IC170926-15	300898	8057420	dump	0.05	14.6	-0.01	8.92	41.4	3.86	0.19	7.8	0.22	22300	340	228
IC170926-16	300887	8057454	outcrop	-0.01	6.1	-0.01	5.35	31.1	1.705	0.09	13.2	0.41	4280	20	179
IC170926-17	300913	8057435	dump	0.06	91.8	-0.01	1.95	14.3	1.49	0.24	13.1	0.27	360	700	245
IC170926-18	300912	8057434	dump	0.06	7.7	-0.01	12	12.1	0.227	0.1	20.1	0.23	159	80	52
DB170926-01	300675	8057512	outcrop	0.05	20	-0.01	1.17	329	1.575	0.34	10.8	0.83	239	90	76
DB170926-02	300778	8057587	outcrop	0.01	30.2	-0.01	14.75	27.6	0.904	0.4	36.5	1.14	138	20	25
DB170926-03	300876	8057390	outcrop	0.05	108.5	-0.01	4.18	299	3.27	1.57	12	2.01	225	2100	62
DB170926-04	300841	8057425	dump	-0.01	33.3	-0.01	0.66	6.8	0.269	0.25	7.5	0.27	2420	10	39
DB170926-05	300795	8057420	dump	-0.01	5.1	-0.01	0.36	10.9	0.335	0.56	9.2	0.18	66	10	81
DB170926-06	300862	8057366	outcrop	-0.01	65.4	-0.01	18.15	18.9	1.46	0.21	8	1.38	230	80	19
IC170927-01	301930	8054898	outcrop	5.85	38.8	-0.01	1.74	215	0.045	0.47	736	31.7	10	-10	286
IC170927-02	301984	8054750	dump	7.68	23.2	-0.01	81.9	1310	24.5	2.15	2310	4.06	54	10	1230
IC170927-03	303262	8056984	dump	47.1	781	-0.01	110	109000	143.5	5.69	102.5	55.8	1015	294	587
IC170927-04	303262	8056986	dump	3.05	121.5	-0.01	10.2	1750	15	0.57	65	13.9	204	40	20
IC170927-05	303269	8056961	dump	52.5	1260	-0.01	334	68300	50.3	1.82	27.9	39.1	525	61	270
IC170927-06	303276	8056966	outcrop	1.1	130.5	-0.01	27.3	1720	3.96	0.44	162	1.41	120	70	26
IC170927-07	303202	8058306	dump	0.99	70.1	-0.01	22.6	101	3.76	1.41	15.1	2.28	76	70	4
IC170927-08	303164	8058332	dump	0.14	70.3	-0.01	0.7	88	1.4	11.75	5.5	0.85	170	20	12
IC170927-09	303219	8058274	dump	1.42	99.2	-0.01	16.2	108.5	2.25	3.7	14.4	1.71	22	240	6
IC170927-10	303209	8058263	dump	1.27	59.7	-0.01	12	48.8	1.975	3.7	7.6	0.71	9	290	4
IC170927-11	303223	8058214	dump	0.66	106.5	-0.01	12.7	67.3	0.591	17.4	68.3	3.75	56	90	28
IC170927-12	302725	8057748	dump	1.11	2090	-0.01	18.2	759	81.4	0.24	40.8	1.69	26000	100	173
IC170927-13	302731	8057719	dump	2.49	743	-0.01	9.62	191.5	16.8	0.41	26.4	10	65500	80	31
IC170927-14	302737	8057702	dump	1.13	1355	-0.01	62	493	9.1	0.76	11.7	6.25	20000	60	74
IC170927-15	302744	8057689	dump	0.55	544	-0.01	19.8	212	3.32	0.57	13.9	6.44	3040	80	49
IC170927-16	302752	8057674	subcrop	0.3	352	-0.01	18.3	196	2.11	0.51	18.8	3.06	4590	70	37
IC170927-17	302761	8057640	dump	0.41	653	-0.01	56.9	325	5.81	0.93	17.5	3.14	625	30	34
IC170927-18	302762	8057641	dump	0.92	867	-0.01	23	334	4.03	0.91	70.9	6.53	2730	50	57
IC170927-19	302795	8057787	float	0.71	48.4	0.09	729	193.5	0.58	15.35	117	3.23	89	90	63
IC170927-20	301602	8056458	dump	1.11	3.1	-0.01	3.63	167.5	1.285	0.12	73.9	0.51	2010	70	271
IC170927-21	301621	8056438	dump	0.08	18.6	-0.01	1.41	77	0.934	0.09	11.2	0.36	1310	30	415
IC170927-22	301638	8056421	outcrop	0.06	25.7	-0.01	2.39	108.5	0.661	0.46	5.9	6.32	7460	30	214

IC170927-23	299614	8056996	dump	0.15	627	-0.01	41.5	87.8	0.512	7.56	47.2	7.04	70	10	166
IC170927-24	299623	8056989	dump	0.07	111.5	-0.01	1.24	509	0.91	4.79	3.8	1.82	47	10	518
IC170927-25	299646	8056988	dump	0.46	15.5	-0.01	2.83	13.1	1.245	0.69	47.7	0.89	8900	10	373
IC170928-01	299292	8094525	outcrop	1.1	1860	0.01	22.6	154	0.258	1.35	199	1.83	83	60	178
IC170928-02	299251	8094531	float	0.97	42.3	-0.01	60.9	36.9	0.225	4.3	74.8	3.39	76	1680	37
IC170928-03	299147	8094629	dump	99.8	342	-0.01	368	91200	6.7	2.7	4.1	10.25	329	750	34
IC170928-04	299134	8094625	dump	25	533	-0.01	121	34600	4.45	4.57	6.1	25.5	201	186	9
IC170928-05	299102	8094592	dump	7.93	425	-0.01	15.45	33900	5.98	2.69	6.6	233	197	58	15
IC170928-06	299307	8094303	outcrop	0.43	1030	-0.01	16.05	412	0.763	0.47	6.8	1.84	44	30	74
IC170928-07	299201	8094320	outcrop	1.98	1905	-0.01	21.1	92.4	0.271	1.14	388	3.03	98	40	20
IC170928-08	298938	8094617	dump	3.65	124.5	0.29	6850	135.5	0.128	81.8	146	12.3	15	3470	7
IC170928-09	298960	8094609	dump	1.47	62.9	0.17	4710	55.1	0.297	40.7	39.7	10	19	40600	10
IC170928-10	298880	8094605	dump	0.96	29.7	0.4	2300	18.9	0.193	22	7	2.29	19	20900	11
IC170928-11	298829	8094615	dump	0.26	21.9	0.13	840	18	0.052	13.75	10.1	0.8	8	5070	17
IC170928-12	298565	8094583	dump	3.96	153	-0.01	320	102.5	0.421	53.2	200	7.47	41	2950	9
IC170928-13	298630	8094585	dump	3.04	784	-0.01	45.3	571	0.518	41.4	79.2	12.9	48	12150	77
IC170928-14	298545	8094666	dump	0.58	118	-0.01	5.74	81.7	0.142	103	78.3	1.57	50	2400	15
IC170928-15	298488	8094688	dump	0.57	10.1	-0.01	9.98	20.3	0.091	207	9.9	0.67	15	9950	4
IC170929-01	310845	8083380	dump	6.51	77.2	0.05	300	148.5	0.769	3.09	156	4.91	7820	60	874
IC170929-02	310868	8083383	dump	6.66	49	-0.01	261	58	1.74	1.24	444	3.38	228	10	251
IC170929-03	310883	8083377	dump	6.03	93.2	-0.01	469	304	1.855	1.32	262	10.35	26400	60	311
IC170929-04	310893	8083371	dump	6.58	40.6	-0.01	23.2	118	2.44	1.62	911	3.44	363	10	966
IC170929-05	310800	8083275	dump	15.25	726	0.01	31.7	497	41.9	2.87	1760	22.7	6440	40	2070
IC170929-06	313664	8084766	dump	0.29	53.7	-0.01	1.9	13.7	0.992	0.98	53.6	6.34	1070	350	88
IC170929-07	313666	8084729	dump	0.21	41.9	-0.01	1.81	9.1	0.118	0.83	29.8	1.9	346	123	42
IC170929-08	313677	8084651	dump	0.13	53.6	-0.01	1.22	9.3	0.597	0.48	29.2	2.7	22400	20	66
IC170929-09	313654	8084624	outcrop	0.02	390	0.16	0.82	7.6	0.404	0.51	10.1	8.76	59	-10	21
IC170929-10	313638	8084707	dump	0.06	67.7	-0.01	1.39	4.7	0.175	0.55	15.5	2.4	115	60	31
IC170929-11	313587	8084766	outcrop	0.06	373	0.22	1.54	5.7	0.063	0.89	6.2	44.3	9	-10	7
IC170929-12	313290	8084950	dump	15.7	217	0.07	131.5	42.4	5.2	2.04	4360	18.45	448	40	305
IC170929-13	313269	8085029	dump	3.95	31.7	0.04	19.65	360	50.9	0.55	18.2	3.46	3440	120	63
IC170929-14	313284	8085022	dump	0.16	13.9	0.03	5.21	36.6	1.015	0.25	15.9	3.85	301	30	31
IC170929-15	313313	8085037	dump	1.57	122	0.05	34.5	177.5	10.25	1.22	59.8	6.2	3260	30	28
IC170929-16	313295	8085050	dump	0.84	36.8	0.02	2.51	112.5	4.4	0.1	10	2.79	227	20	33
IC170929-17	313270	8085074	dump	0.62	66.8	0.01	467	313	6.13	1.59	39.9	5.02	273	60	61
IC170929-18	313277	8085116	dump	1.31	410	0.01	11.85	296	3.71	0.85	1320	17.5	267	20	860
IC170929-19	313302	8085106	dump	0.97	51	-0.01	3.04	36.9	3.04	1.7	54.7	6.82	8230	160	35
IC170929-20	313170	8085267	dump	0.08	106.5	-0.01	13.4	40.7	1.01	0.32	14	8.36	2260	40	81
IC170929-21	313161	8085285	dump	0.27	568	0.04	3.12	34.8	1.485	1.97	62.1	31.9	9020	5140	154
IC170929-22	313068	8085457	dump	0.12	40	0.01	2.21	13.8	0.412	0.54	11.6	17.05	15850	237	39
IC170929-23	313068	8085444	dump	0.09	56	-0.01	4.51	16.7	0.889	0.21	13.8	15.85	1510	80	33
IC170929-24	313087	8085414	dump	0.13	36.7	0.32	5.84	6.1	0.395	0.93	19.9	13.35	477	580	28
IC170929-25	312346	8085293	dump	1.9	51.1	-0.01	2.02	46	4.66	0.19	2810	24.1	231	10	1830
DB170929-01	310963	8083320	dump	10.6	48.8	0.02	457	54.3	0.225	1.1	408	22.2	5850	20	601
DB170929-02	310893	8083336	dump	3.17	29.8	-0.01	82.2	54.9	1.01	0.47	115	5.89	3220	10	212
DB170929-03	310883	8083345	outcrop	20.7	430	0.03	154	57.8	1.73	1.72	2250	22	11000	40	876
DB170929-04	313733	8084307	dump	0.06	28.7	-0.01	0.74	22	0.663	0.58	14.7	2	30600	56	193
DB170929-05	313208	8085253	dump	0.42	535	-0.01	88	78.6	10.1	0.73	123.5	12.35	28900	100	48
DB170929-06	313189	8085282	dump	0.08	79.8	0.03	1.34	12.5	2.29	0.21	18.1	3.38	196	10	38
IC170930-01	311670	8086157	dump	1.74	140	-0.01	32.2	9.5	1.965	1.19	49.9	0.94	178	140	25
IC170930-02	310930	8086406	dump	2.91	>10000	0.2	4950	735	6.14	6.9	200	25.7	457	1080	78
IC170930-03	310930	8086405	dump	5.37	>10000	0.24	1870	385	0.989	2.86	12.1	22.6	194	550	9
IC170930-04	310927	8086426	dump	3.36	2800	0.01	409	374	1.835	3.49	31.1	14.05	94	460	35
IC170930-05	310918	8086441	dump	3.89	>10000	0.54	3340	342	12.3	6.56	26	37.3	403	2650	18
IC170930-06	310908	8086454	dump	0.98	514	0.01	149	42.8	0.677	1.02	10.9	0.93	46	380	16

IC170930-07	310893	8086504	dump	2.39	1520	-0.01	91.3	2110	3.38	2.55	15.1	2.62	297	20	9
IC170930-08	310949	8086539	dump	0.37	>10000	0.03	191.5	322	1.705	1.84	12.5	80.9	780	110	7
IC170930-09	310389	8086807	dump	22.1	>10000	0.27	1310	3310	30.9	3.06	91.3	46.9	2270	2970	657
IC170930-10	310404	8086780	dump	0.08	173	-0.01	2.18	11	1.87	0.38	18.2	0.36	21900	50	83
IC170930-11	310413	8086765	dump	0.7	690	-0.01	2.38	49.2	2.81	0.53	324	3.57	204	10	104
IC170930-12	310310	8086670	dump	0.44	596	-0.01	5.3	41.6	2.21	0.85	346	2.08	183	20	58
IC170930-13	310356	8086780	dump	0.09	458	-0.01	2.57	20	3.61	1.03	72.4	0.91	1450	10	150
IC170930-14	310434	8086829	dump	6.63	1595	-0.01	15.95	71.9	22	1.02	2740	3.75	9610	30	80
IC170930-15	310436	8086840	dump	1.51	920	0.01	689	132	23.4	3.33	456	2.45	268	20	166
IC170930-16	310827	8086353	dump	11.35	4320	-0.01	56.7	130.5	0.811	1.34	14.2	2.72	197	30	8
IC170930-17	310830	8086353	outcrop	8.07	4330	-0.01	590	2090	25.9	3.87	126	9.23	699	80	39
IC170930-18	310838	8086332	dump	35.1	>10000	0.02	273	8890	47.1	2.8	66.6	14.65	732	94	63
IC170930-19	310875	8086273	dump	6.26	3230	-0.01	230	351	8.19	15	47.7	3.98	1325	60	41
IC170930-20	310820	8083387	dump	4.67	602	-0.01	36.5	372	2.02	0.64	346	12.35	12550	50	1110
DB170930-01	310933	8086390	dump	3.54	>10000	0.1	1165	515	5	2.88	84.3	5.1	160	350	39
DB170930-02	311005	8086358	dump	0.09	186	-0.01	47.3	67.7	0.655	9.33	12.6	0.69	178	170	18
DB170930-03	311013	8086341	dump	0.42	240	-0.01	11.85	47.5	0.33	2.08	15.1	0.56	113	140	23
DB170930-04	311032	8086333	dump	0.07	90.1	-0.01	19.15	25.3	0.944	2.63	11.4	0.46	96	26100	28
DB170930-05	310358	8086901	dump	106	>10000	0.35	2530	26400	245	1.94	564	112	10300	503	8680
DB170930-06	310372	8086863	dump	0.32	494	-0.01	9.13	47.5	3.4	0.36	211	2.64	600	40	107
DB170930-07	310368	8086846	dump	0.16	427	-0.01	3.4	27.9	5.53	0.92	68.9	2.23	2660	80	82
DB170930-08	310390	8086830	subcrop	1.46	889	-0.01	12.6	120.5	3.81	0.57	61.7	7.3	1745	30	79
DB170930-09	310848	8086310	dump	19.25	>10000	0.1	1430	3160	317	3.33	55.6	102.5	2470	1610	372
DB170930-10	310870	8086310	dump	0.17	336	0.01	8.13	37	2.11	1.43	6.9	1.35	1650	40	29
DB170930-11	310837	8083443	dump	26.5	164.5	-0.01	12.65	506	3.59	0.84	595	8.87	423	10	1220
IC171002-01	310780	8083620	dump	4.35	1210	0.02	182	99.2	5.83	0.48	139	5.31	68800	297	391
IC171002-02	310791	8083552	dump	3.51	157	-0.01	45.9	282	54.5	2.86	3650	11.4	39900	117	1900
IC171002-03	310827	8083543	outcrop	0.73	31	-0.01	5.19	17.6	0.61	0.72	67.8	1.94	4720	10	200
IC171002-04	311072	8084092	dump	0.86	72.1	-0.01	55.7	78.3	1.165	0.62	29.4	21.5	4530	10	50
IC171002-05	311063	8084115	dump	0.31	130.5	-0.01	1.62	68.6	8.37	0.69	95.9	9.88	16400	30	100
IC171002-06	311066	8084156	dump	0.28	33.6	-0.01	140	266	7.61	0.74	38.1	11.15	7640	20	130
IC171002-07	311000	8084058	outcrop	0.46	371	-0.01	2.01	68.2	10.45	2.37	64.9	24.3	2720	10	176
IC171002-08			STANDARD	1.45	820	0.01	335	2440	34.7	2.41	58	48.1	6070	40	3460
IC171003-01	281239	8060714	outcrop	0.48	662	0.03	19.9	45.5	0.789	2.08	19.9	7.47	104	10	36
IC171003-02	281145	8060787	outcrop	0.44	296	0.01	33.2	278	7.05	0.7	12.5	37.3	22100	60	52
IC171003-03	281166	8060772	dump	1.39	538	0.27	134	191	2.51	1.25	71.2	32.6	4890	30	379
IC171003-04	281075	8060703	dump	0.89	855	-0.01	79.4	412	11.05	3.19	55.2	13.9	29700	50	631
IC171003-05	281351	8060165	subcrop	1.66	1505	-0.01	26.4	225	27	0.81	5870	24.3	1410	10	123
IC171003-06	281408	8060136	dump	3.78	196	0.02	23.4	335	21.8	1.03	423	10.55	637	10	292
IC171003-07	281497	8060383	dump	0.49	594	-0.01	50.3	130	10.6	0.28	153	10.85	41400	20	200
IC171003-08	280742	8060545	dump	1.96	585	0.03	19.3	85.5	2.75	2.49	304	27	12150	20	357
IC171003-09	280733	8060511	subcrop	0.21	199.5	0.01	0.76	18.1	1.015	3.61	179	8.05	49	-10	658
IC171003-10	280656	8060530	dump	2.19	583	-0.01	145.5	239	11.55	1.05	776	10.5	3870	20	372
IC171003-11	280000	8060200	dump	12.2	172	-0.01	63.5	4330	2.3	3.66	64.4	26.2	3630	10	844
IC171003-12	280002	8060202	dump	0.17	12.8	0.02	11.1	9.8	0.515	0.23	6.8	11.35	192	10	52
IC171003-13	280004	8060204	dump	4.5	74.9	0.04	12.45	94	1.86	0.3	145	8.72	16000	770	44
DB171003-01	281135	8060800	dump	0.81	459	0.02	25.5	80.7	3.35	8.46	36.6	9.64	6770	20	37
DB171003-02	281112	8060829	dump	1.33	6740	-0.01	22.6	392	4.89	1.94	23	7.65	1785	20	268
DB171003-03	281093	8060683	dump	0.29	527	-0.01	2.65	198	2.06	0.54	47.7	18.35	9810	20	767
DB171003-04	281428	8060145	dump	0.15	108	-0.01	4.43	225	10.55	1.16	113.5	15.65	45300	54	202
DB171003-05	281475	8060371	dump	0.58	2560	0.01	34.3	248	8.44	0.44	122	10.95	4610	10	257
DB171003-06	280621	8060560	outcrop	8.27	228	0.06	1815	48.4	1.565	0.6	247	38.9	283	10	91
IC171004-01	304885	8063689	dump	7.54	1100	0.01	37.2	245	91.8	7.98	79.9	33.6	47300	430	87
IC171004-02	304885	8063675	dump	5.02	634	1.32	14.95	99.1	6.01	3.25	29.2	6.62	75500	130	22

IC171004-03	304884	8063667	dump	2.58	495	0.05	50.4	231	29.6	4.7	36.1	9.27	2430	330	52
IC171004-04	304443	8063215	outcrop	0.48	660	-0.01	81.6	58.3	11.75	10.5	89	4.1	158	90	7
IC171004-05	304421	8063242	dump	4.02	>10000	0.14	1975	2060	11.55	8.48	124	106	216	4770	9
IC171004-06	304420	8063242	dump	0.45	3720	0.02	3070	115.5	6.91	21.6	80.5	8.46	45	2040	10
IC171004-07	304419	8063265	subcrop	0.36	912	-0.01	253	28.7	6.37	2.03	20.7	1.24	40	4740	4
IC171004-08	304389	8063339	outcrop	4.83	>10000	0.03	2660	963	33.9	12.65	1265	16.3	145	4130	34
IC171004-09	304396	8063282	outcrop	0.01	81.5	-0.01	44.9	13.5	2.16	1.08	8.6	1.45	432	40	40
IC171004-10	306028	8063913	dump	0.02	61.1	-0.01	4.05	5.9	5.02	5.93	6.2	1.48	2310	40	31
IC171004-11	306049	8063939	outcrop	0.09	284	0.01	29.9	80.7	3.76	1.94	20.3	1.37	314	70	309
IC171004-12	306052	8063924	outcrop	0.04	118	-0.01	2.28	15.9	10.2	0.77	4.6	1.54	1175	30	68
IC171004-13	306059	8063944	dump	0.1	558	0.01	5.2	27.6	2.56	6.12	20.5	162.5	177	10	86
IC171004-14	306072	8063983	dump	0.83	399	-0.01	3.52	39.8	1.34	1.52	515	7.59	25100	50	28
IC171004-15	306089	8063977	dump	5.43	1060	-0.01	6.15	112.5	2.26	2.8	75.6	4.35	590	30	62
IC171004-16	306089	8063985	dump	57.5	1295	0.08	93.8	168	14.6	10.6	634	17.95	47700	190	142
IC171004-17	306066	8063975	dump	1.36	209	0.01	1.14	23.5	0.785	1.18	324	7.78	1705	10	33
IC171005-01			STANDARD	1.09	578	0.02	253	1420	41.4	2.84	50.6	48.7	10400	90	2410
IC171005-02	306246	8063332	outcrop	0.78	690	-0.01	5.37	128	42.9	0.69	5.7	6.58	1335	20	345
IC171005-03	305700	8062393	outcrop	0.07	33.2	-0.01	3.49	15.9	0.893	2.83	21.8	2.9	121	20	39
IC171005-04	305943	8062611	outcrop	0.19	720	-0.01	7.91	64.9	1.61	2.41	14	23.2	110	30	30
IC171005-05	305992	8062684	float	0.03	8.5	-0.01	0.21	5.5	0.056	0.29	1.5	0.56	13	10	2
IC171005-06	306099	8062678	subcrop	0.7	383	0.1	2.12	17.3	0.256	0.35	3	114.5	17	10	4
IC171005-07	305746	8063491	outcrop	0.04	141	0.05	3.15	80.3	25.6	1.67	3.7	5.87	959	20	145
IC171005-08	305696	8063508	dump	0.19	864	0.02	12.5	135.5	3.12	2.43	392	21.8	34700	190	57
IC171005-09	305606	8063420	outcrop	0.04	27.4	-0.01	2.55	84.3	0.543	2.01	106.5	1.45	175	20	17
IC171005-10	305788	8063480	dump	0.18	1575	0.46	403	211	6.51	13.4	293	9.42	14800	130	98

Attachment 4 – 2006 rock chip program results in ppm

Sample	Easting	Northing	Locality	Ag	As	Au	Bi	Cu	Mo	Pb	Sb	Sn	W	Zn
19001	287948	8061448	outcrop	1	20	0.026	3	37	3	237	-5	6	10	73
19002	287980	8061432	outcrop	0.6	161	0.047	6	59	1	293	6	5	20	71
19003	288100	8061479	outcrop	-0.5	10	0.005	-2	11	2	55	8	-5	-10	16
19004	288291	8061582	outcrop	0.6	10	0.007	-2	11	1	165	-5	12	-10	21
19005	288421	8061610	outcrop	-0.5	64	0.034	-2	8	4	9	9	6	-10	13
19006	288502	8061663	outcrop	-0.5	11	0.016	-2	6	6	18	-5	5	-10	4
19007	288546	8061645	outcrop	-0.5	18	0.007	-2	7	14	12	10	-5	-10	9
19008	288391	8062940	mullock	0.8	1350	0.001	27	140	1	273	-5	9080	40	27
19009	288389	8062940	mullock	0.7	40	0.001	-2	8	-1	10	-5	7620	11400	5
19010	288376	8062989	outcrop	-0.5	7	-0.001	-2	6	-1	8	-5	130	80	7
19011	288766	8061680	outcrop	-0.5	19	0.002	-2	3	2	5	13	5	20	6
19012	288888	8061776	outcrop	-0.5	19	0.001	-2	4	1	17	10	86	-10	6
19013	289036	8061782	subcrop	-0.5	20	0.003	-2	4	-1	2	-5	37800	350	5
19014	289087	8061824	float	0.7	44500	0.049	33	264	8	10	37	1490	150	6
19015	289109	8061947	float	0.7	1135	-0.001	36	54	-1	57	-5	483	270	53
19016	289090	8062002	proximal float	1.1	101	-0.001	-2	6	-1	84	-5	23900	70	32
19017	289064	8062069	mullock	2.2	261	0.001	6	24	-1	171	-5	5400	20	51
19018	289089	8062060	outcrop	18.9	4890	0.002	21	152	1	90	7	73	50	16
19019	289098	8062022	mullock	3.3	824	0.001	12	31	-1	269	-5	473	110	49

19020	289159	8061991	outcrop	11.9	13050	0.005	49	567	-1	80	33	3300	40	7
19021	289303	8061972	mullock	0.8	172	-0.001	-2	10	-1	25	-5	757	30	48
19022	289331	8061998	outcrop	1	248	-0.001	-2	65	1	22	-5	78	10	44
19023	289509	8062013	mullock	-0.5	355	0.003	-2	22	-1	41	-5	285	30	80
19024	289572	8062018	mullock	59.2	9720	0.004	253	1015	1	265	5	127	-10	3200
19025	289168	8062204	mullock	1.4	372	0.001	9	84	-1	773	-5	866	40	68
19026	289228	8062239	mullock	0.9	77	0.002	-2	8	-1	44	-5	5200	20	74
19027	289465	8062033	mullock	-0.5	508	0.003	-2	13	-1	39	-5	3330	20	73
19028	289550	8062018	mullock	0.6	85	0.001	-2	24	1	14	-5	82	-10	92
19029	289623	8062152	outcrop	-0.5	373	-0.001	-2	47	1	39	-5	169	10	20
19030	289601	8062114	float	37	51600	0.033	133	4620	5	258	12	232	40	272
19031	289579	8062084	outcrop	-0.5	185	0.002	-2	17	1	14	-5	2760	10	17
19032	289583	8062080	outcrop	-0.5	121	0.006	-2	10	-1	30	-5	26	-10	30
19033	289627	8061949	outcrop	-0.5	23	-0.001	-2	5	1	36	-5	13	10	111
19034	289668	8061977	subcrop	1.5	1710	0.001	8	164	1	41	-5	146	10	55
19035	289746	8061916	outcrop	5.7	35200	0.005	56	233	1	1540	26	210	110	42
19036	289759	8061836	sub crop	1	271	-0.001	3	22	-1	170	-5	625	20	96
19037	289710	8062001	outcrop	3.7	12400	0.001	3	109	2	251	-5	543	30	64
19038	289726	8062006	outcrop	-0.5	87	-0.001	-2	16	2	28	-5	18	10	299
19039	289739	8061977	outcrop	0.8	1860	0.001	3	64	-1	279	-5	140	30	35
19040	289778	8061936	outcrop	0.6	544	0.007	2	24	1	316	-5	616	10	131
19041	289860	8061751	mullock	16.5	75700	0.001	99	536	1	1140	24	311	12000	70
19042	289913	8061604	sub-crop	5	626	0.002	14	46	-1	692	-5	371	60	69
19043	289258	8061120	outcrop	-0.5	181	-0.001	-2	32	-1	31	-5	78	20	51
19044	289217	8061113	mullock	-0.5	1285	0.002	4	253	1	633	-5	229	20	91
19045	289202	8061127	outcrop	1.7	1855	0.002	222	320	1	85	-5	8360	240	98
19046	289775	8061806	outcrop	-0.5	241	-0.001	5	30	-1	534	-5	3980	30	131
19047	289786	8061792	outcrop	1.6	379	0.001	10	20	-1	1060	-5	832	20	76
19048	289166	8061134	outcrop	-0.5	23	-0.001	2	6	-1	38	-5	15	10	43
19049	289147	8061142	outcrop	-0.5	101	-0.001	-2	27	1	26	-5	234	20	124
19050	289221	8061117	outcrop 10m underground	0.6	20	0.001	-2	25	-1	7	-5	458	30	92
19051	289253	8061029	outcrop 20m underground	27.2	85	0.003	6	6010	3	51	-5	433	10	348
19052	289262	8061043	mullock	97.9	21000	0.02	89	11000	5	21	-5	303	40	123
19053	289265	8060986	outcrop	0.8	122	0.002	2	49	-1	10	-5	2000	20	57
19054	289281	8060942	outcrop	-0.5	712	0.001	8	56	2	67	-5	350	20	44
19055	289292	8060911	outcrop	4.9	150	0.002	-2	186	1	42	-5	1165	20	82
19056	289397	8060994	outcrop	1.2	160	0.005	-2	60	-1	50	-5	81	10	39
19057	289325	8061098	outcrop	-0.5	37	-0.001	-2	24	-1	28	-5	49	-10	100
19058	289342	8061098	outcrop	1.3	150	0.012	3	26	1	266	-5	391	10	74
19059	289371	8061109	subcrop	-0.5	132	-0.001	5	21	1	52	-5	695	20	42
19060	289525	8061231	subcrop	-0.5	48	0.034	563	11	2	5	5	28	7560	9
19061	289548	8061186	subcrop	-0.5	118	-0.001	-2	28	1	13	-5	556	10	59
19062	289474	8061291	subcrop/comp	4.5	859	0.017	332	37	1	16	-5	26600	4320	5
19063	289454	8061334	subcrop	1.1	46	0.039	1310	12	6	52	-5	89	16100	9

19064	289433	8061356	subcrop	0.8	15	0.05	831	14	5	9	-5	15	15600	5
19065	289270	8061600	outcrop	-0.5	115	0.001	55	10	-1	11	-5	96	180	28
19066	289346	8061617	outcrop	0.6	9210	0.007	188	32	2	79	5	249	70	39
19067	289440	8061665	outcrop	-0.5	130	0.001	2	5	1	10	-5	55	20	16
19068	289547	8061688	outcrop	-0.5	556	0.001	11	17	2	142	-5	1565	30	145
19069	289400	8061041	outcrop	-0.5	371	0.002	10	21	1	86	-5	836	30	51
19070	289438	8061037	outcrop	1	155	0.004	30	13	7	115	-5	428	20	55
19071	289490	8061042	outcrop	-0.5	8	-0.001	3	11	-1	29	-5	11	-10	63
19072	289608	8061087	outcrop	0.7	11	0.002	500	6	1	15	-5	-5	10	4
19073	289656	8061120	outcrop	-0.5	8	-0.001	4	4	1	23	-5	54	50	19
19074	289489	8061539	outcrop	-0.5	8	-0.001	-2	17	1	18	-5	50	10	81
19075	289003	8067531	mullock	1.2	35	0.012	92	3	-1	80	7	-5	152500	12
19076	289060	8067565	outcrop	-0.5	14	-0.001	-2	8	-1	75	-5	295	400	106
19077	289055	8067570	outcrop	-0.5	17	-0.001	-2	7	-1	7	-5	79	120	21
19078	288996	8067848	outcrop	-0.5	11	0.001	2	3	1	2	-5	43	1410	5
19079	289005	8067851	outcrop	-0.5	80	-0.001	-2	3	1	9	-5	156	30	17
19080	288940	8067891	outcrop	-0.5	23	-0.001	-2	19	2	3	-5	197	40	19
19081	289294	8061566	outcrop	-0.5	12	-0.001	8	10	1	5	-5	122	40	28
19082	289152	8061700	outcrop	2.1	11700	0.016	100	47	20	27	-5	9050	20	5
19083	289063	8061643	proximal float	-0.5	143	-0.001	-2	7	1	7	-5	135	20	25
19084	289062	8061631	outcrop	-0.5	283	0.001	88	9	1	25	-5	106	90	49
19085	289146	8061557	outcrop	-0.5	40	-0.001	-2	3	-1	15	-5	27	10	31
19086	289083	8061519	outcrop	-0.5	6	-0.001	-2	3	-1	10	-5	7	-10	15
19087	288904	8067705	outcrop	-0.5	9	0.002	-2	189	4	28	-5	101	10	36
19088	288882	8067520	outcrop	-0.5	243	-0.001	-2	21	8	30	-5	409	20	29
19089	288883	8067508	outcrop	0.5	3250	0.037	-2	56	19	774	136	471	10	10
19090	290025	8059802	outcrop	-0.5	51	0.003	-2	5	3	61	-5	22	10	17
19091	290077	8059726	outcrop	-0.5	32	-0.001	-2	8	2	42	-5	24	-10	32
19092	289574	8059194	outcrop	-0.5	46	-0.001	2	7	-1	43	-5	24	10	27
19093	287566	8061327	mullock	0.5	25	0.064	-2	7	2	20	11	-5	-10	8
19094	287581	8061334	mullock	5.8	609	1.02	2	6	4	108	87	7	-10	43
19095	289090	8067587	outcrop	0.5	17	0.005	-2	39	-1	10	-5	32	-10	4
19096	289028	8067630	mullock	-0.5	16	-0.001	-2	2	-1	9	-5	162	10	25
19097	288986	8067475	outcrop	-0.5	42	0.001	9	49	-1	25	-5	239	20	69
19098	289007	8067446	mullock	-0.5	10	-0.001	-2	35	-1	38	-5	93	10	23
19099	288999	8067360	outcrop	0.5	439	0.001	6	91	1	65	-5	164	10	30
19100	288899	8067387	outcrop	-0.5	33	-0.001	-2	13	-1	7	-5	630	10	35
19101	288725	8067394	mullock	0.6	28	-0.001	2	19	-1	37	-5	548	10	48
19102	288768	8067395	outcrop	-0.5	13	0.007	5	26	-1	26	-5	93	10	15
19103	288779	8067379	outcrop	-0.5	194	0.003	-2	34	-1	104	-5	708	10	21
19104	288797	8067367	outcrop	0.5	4470	0.002	35	40	-1	39	5	6500	30	36
19105	288827	8067350	mullock	4.1	218	-0.001	3	37	-1	67	13	1245	20	22
19106	288852	8067457	outcrop	-0.5	55	-0.001	9	11	1	7	-5	215	10	34
19107	290052	8069764	outcrop	-0.5	57	-0.001	6	20	-1	4	-5	212	10	17
19108	290136	8069731	outcrop	0.5	7	-0.001	2	6	1	8	-5	152	-10	14

19109	290112	8069702	mullock	-0.5	43	0.004	2	12	5	5	-5	7860	30	13
19110	290114	8069650	outcrop	-0.5	6	-0.001	2	46	-1	5	-5	100	20	14
19111	290121	8069642	outcrop	-0.5	10	-0.001	11	71	1	22	7	8250	30	42
19113	287294	8063961	outcrop	-0.5	20	-0.001	-2	17	-1	25	-5	38	10	64
19114	287751	8064756	outcrop	-0.5	106	-0.001	4	21	-1	22	-5	451	10	44
19115	286971	8063520	outcrop	8.8	1690	-0.001	4	395	1	138	-5	84	-10	89
19116	289660	8060293	outcrop	-0.5	35	-0.001	2	8	1	25	-5	913	10	29
19117	287572	8061688	mullock composite	241	32100	3.39	22	1100	-1	82500	784	1030	80	678
19118	289121	8067125	outcrop	438	129	0.147	-2	81	101	1310	55	24	20900	887
19119	289118	8067116	outcrop	31.3	89	0.025	-2	9	11	238	29	9	12300	20
19120	289113	8067105	outcrop	6.3	667	0.063	-2	25	3	1585	55	24	80	18
19121	289101	8067064	outcrop	4.8	23	0.019	7	38	8	50	23	53	270	14
19122	289094	8067046	outcrop	1.3	159	-0.001	4	103	1	18	-5	258	80	18
19123	289085	8066950	outcrop	-0.5	16	0.001	-2	5	-1	25	12	-5	10	2
19124	290758	8070009	mullok	2.2	259	0.025	3	8	-1	387	14	4880	40	73
19125	290750	8070026	mullock-composite	43.9	62	0.155	1045	17	14	492	38	2900	110	64
19126	290620	8070613	mullock	-0.5	29	-0.001	4	5	-1	18	-5	130	20	60
19127	290775	8070607	outcrop	1.8	27	0.004	26	13	-1	136	-5	39	-10	13
19128	290923	8070572	outcrop	3.7	1410	0.015	4	97	5	532	7	78	70	492
19129	291050	8070506	outcrop	-0.5	104	0.005	6	7	-1	16	6	138	10	85
19130	290681	8069630	mullock	-0.5	27	0.009	5	6	-1	12	-5	54	-10	65
19131	299596	8056986	outcrop	-0.5	156	0.007	62	302	26	130	-5	157	100	41
19132	299597	8056990	subcrop	-0.5	25	0.006	11	17	2	12	-5	34	-10	27
19133	299633	8056984	mullock	-0.5	5	0.001	-2	5	-1	52	-5	57	-10	139
19134	300540	8055802	mullock	46.8	2890	0.003	27	9970	-1	4660	25	70	-10	3810
19135	290849	8070532	mullock heap	-0.5	57	0.005	-2	6	-1	75	10	148	10	98
19136	290435	8070180	outcrop	0.6	26	-0.001	4	3	-1	740	-5	157	20	80
19137	290345	8070256	outcrop	-0.5	183	0.003	-2	2	-1	16	-5	126	10	82
19138	290284	8070461	outcrop	0.5	36	-0.001	5	17	-1	475	-5	16	10	235
19139	290237	8070563	outcrop	-0.5	20	-0.001	-2	12	2	20	-5	14600	50	451
19140	300538	8055798	mullock	20	2910	0.001	10	7330	1	1395	37	35	20	5870
19141	300521	8055808	subcrop	69.4	10050	0.012	64	9940	1	13400	76	48	40	6180
19142	300470	8055821	sub crop	5.5	220	0.013	6	1650	9	357	23	6	30	5270
19143	300465	8055823	outcrop	107	1270	0.01	7	4140	1	574	63	19	10	1400
19144	300453	8055830	outcrop	19.1	4090	0.003	35	920	-1	1820	39	11	10	701
19145	300456	8055835	subcrop	7	2760	0.004	11	1510	3	518	46	10	20	5560
19146	300391	8055835	outcrop	0.6	100	-0.001	-2	92	-1	918	6	24	20	2320
19147	300361	8055838	sub crop	3.6	1710	-0.001	-2	550	4	130	34	36	10	1275
19148	300342	8055823	sub crop	70.3	8500	0.009	23	1775	1	65500	170	70	-10	31500
19149	300321	8055824	outcrop	10.3	59	0.007	4	3560	-1	831	25	50	-10	15000
19150	300301	8055832	outcrop	55.9	3100	0.005	84	4320	5	5430	103	255	-10	50100
19151	300684	8055047	prox flt	16.8	408	0.008	13	174	3	803	41	525	-10	710
19152	300891	8054973	mullock	874	8140	0.055	2	1015	-1	81800	6190	740	60	452
19153	300895	8054968	mullock	775	2990	0.014	5	4540	2	305000	4970	744	220	592

19154	300975	8054917	mullock	378	6560	0.061	7	1280	1	33800	5250	1135	50	238
19155	300966	8054925	mullock	35.1	8820	0.042	5	324	29	7350	714	288	-10	13200
19156	300972	8054924	mullock	49.7	1465	0.02	828	621	3	14900	217	911	-10	13000
19169	290062	8062103	subcrop	0.5	-5	0.005	-2	8	1	156	-5	982	10	321
19170	290351	8062071	outcrop	2.9	70100	0.005	40	584	5	5060	53	320	80	120
19171	290590	8062275	subcrop	-0.5	213	-0.001	-2	5	1	36	-5	130	30	20
19172	290560	8062441	outcrop	-0.5	31	-0.001	-2	3	1	10	-5	218	20	26
19173	290793	8062511	outcrop	-0.5	254	-0.001	-2	6	1	19	-5	126	10	20
19174	291271	8062503	outcrop	0.5	16	-0.001	-2	6	-1	42	-5	120	10	63
19175	288339	8064749	subcrop	-0.5	13	-0.001	2	13	1	14	-5	395	-10	33
19176	288633	8064591	outcrop	-0.5	127	-0.001	2	17	1	79	-5	285	10	24
19177	288721	8064651	subcrop	0.6	325	0.001	-2	26	1	294	-5	579	10	37
19178	289066	8064737	outcrop	1.3	420	-0.001	-2	26	2	35	-5	116	10	18
19179	289169	8064665	outcrop	-0.5	242	0.001	-2	16	28	24	7	133	10	19
19180	289444	8064354	mullock	-0.5	15	-0.001	-2	7	4	7	-5	23700	50	7
19181	289787	8064380	outcrop	1.1	115	-0.001	-2	38	2	28	-5	168	10	23
19182	289966	8064359	subcrop	-0.5	347	0.002	-2	23	2	519	11	310	10	101
19183	290574	8064368	subcrop	-0.5	91	-0.001	11	21	1	24	-5	264	10	46
19184	290530	8064264		1.7	757	0.001	14	170	2	57	-5	136	130	33
19185	289306	8066944		-0.5	561	0.002	2	91	1	39	-5	437	20	52
19186	289437	8067051		-0.5	29	0.001	-2	6	2	10	37	11	-10	3
19187	291145	8067251		-0.5	17	-0.001	6	11	2	6	-5	294	10	25
19188	291016	8067079		-0.5	65	-0.001	-2	9	17	10	-5	24900	400	40
19189	290876	8066895		4	439	-0.001	4	39	2	354	18	145	20	23
19190	290343	8066468	mullock	-0.5	91	-0.001	-2	23	1	40	-5	440	20	25
19191	289300	8067085	outcrop	0.9	7	-0.001	-2	3	-1	17	5	190	10	24
19192	292115	8068660	subcrop	-0.5	11	-0.001	-2	10	1	5	-5	164	10	25
19193	292174	8068766		-0.5	105	0.002	61	137	3	14	6	77	180	18
19194	289662	8060499	outcrop	-0.5	37	0.002	-2	10	3	7	-5	34	-10	8
19195	289790	8060597	outcrop	2.4	669	0.02	2	136	5	38	8	105	-10	15
19196	289899	8060578	outcrop	14.6	22700	0.115	229	727	20	8	9	244	90	2
19197	290004	8060638	outcrop	-0.5	89	0.001	-2	4	3	11	-5	63	-10	13
19198	290140	8060650	outcrop	-0.5	17	0.009	-2	5	5	11	9	15	4670	6
19199	290527	8061212	outcrop	9.9	3800	0.001	8	127	7	5920	9	301	760	90
19200	289664	8060341	outcrop	12.3	319	0.002	97	38	81	344	-5	238	20	47
19701	284213	8058937	outcrop	1.8	394	0.001	4	25	2	331	-5	351	20	101
19702	285387	8060342	subcrop	0.9	33	-0.001	149	10	2	30	-5	28	60	23
19703	285187	8060737	subcrop	-0.5	9	0.002	86	17	2	15	-5	37	320	27
19704	285736	8060323	outcrop	-0.5	8	-0.001	-2	24	1	18	-5	67	20	137
19705	286377	8061021	outcrop	-0.5	-5	-0.001	-2	5	-1	8	-5	7	10	46
19706	287997	8061961	subcrop	-0.5	87	-0.001	-2	6	-1	37	-5	560	20	53
19707	288344	8061752	subcrop	0.5	309	-0.001	-2	32	3	47	-5	1500	40	103
19708	289537	8060441	subcrop	0.6	21	-0.001	2	6	-1	75	-5	639	10	36
19709	289507	8060436	outcrop	-0.5	-5	-0.001	-2	6	-1	17	-5	7	-10	30
19710	289476	8060439	outcrop	-0.5	6	0.001	-2	10	1	19	-5	547	20	34

19711	289129	8060519	outcrop	-0.5	10	0.003	-2	8	-1	43	11	13	-10	20
19712	289002	8061360	subcrop	-0.5	657	0.001	-2	20	2	41	-5	535	20	80
19713	290346	8059649	outcrop	-0.5	-5	0.001	-2	3	1	50	-5	12	-10	9
19714	290390	8059809	sub-outcrop	-0.5	36	0.004	216	28	3	45	-5	122	10	37
19715	290622	8059849	subcrop	-0.5	-5	0.001	2	1	6	9	-5	40	-10	21
19716	291195	8060013	subcrop	-0.5	14	0.001	-2	4	1	21	-5	12	-10	6
19717	290350	8059633	subcrop/mull oc	-0.5	42	0.002	31	10	10	75	-5	1110	220	11
19718	288536	8062857	s/ocr	-0.5	576	0.005	6	54	6	169	11	817	50	119
19719	288866	8062870	subcrop	0.7	846	0.001	18	20	76	166	-5	173	40	41
19720	288899	8062881	subcrop	-0.5	774	0.001	4	9	14	182	-5	5070	10	19
19721	289167	8062872	subcrop	1.7	3470	0.002	322	141	4	713	5	238	20	28
19722	289312	8062944	outcrop	69.6	136000	0.23	883	6900	21	769	95	9960	200	11
19723	289690	8063101	outcrop	11	3350	0.005	156	271	1	5370	-5	478	40	48
19724	284219	8058956	Subcrop	3.1	783	0.001	12	21	1	567	-5	378	10	63
19725	284195	8058951	Float	-0.5	87	-0.001	6	7	1	22	-5	128	-10	12
25849	290925	8061686	outcrop	1.5	807	0.002	-2	122	10	393	53	314	30	87
25850	290907	8061647	working outcrop	1.4	520	0.002	8	27	1	121	5	205	20	26
25851	290994	8061617	outcrop	-0.5	108	0.002	3	21	1	49	-5	111	10	56
25852	290875	8061749	outcrop	-0.5	2350	-0.001	-2	17	-1	2240	7	258	40	251
25853	290778	8061594	outcrop	-0.5	912	0.001	2	66	1	128	7	368	40	25
25854	287246	8061647	outcrop	-0.5	20	0.001	14	4	-1	116	7	37	-10	13
25855	287374	8061411	outcrop	-0.5	7	0.003	19	2	2	22	-5	63	-10	23
25856	287524	8061375	outcrop	-0.5	19	0.003	2	4	1	185	-5	9	-10	37
25857	287575	8061329	working face	-0.5	793	0.099	-2	28	20	247	17	10	20	294
25858	287574	8061708	working outcrop	32.2	4440	0.548	122	182	2	8660	156	122	10	364
25859	288299	8063253	outcrop	-0.5	411	0.003	76	11	6	280	7	86	10	38
25860	288094	8063229	outcrop	-0.5	404	0.002	39	20	2	153	-5	191	10	45
25861	287965	8063209	outcrop	-0.5	352	0.002	5	25	2	30	-5	849	10	66
25863	287919	8063226	subcrop	-0.5	48	0.001	12	5	6	12	-5	245	30	24
25864	288084	8063229	outcrop	-0.5	7	0.002	-2	17	7	98	-5	156	10	290
25951	291708	8069735	outcrop	-0.5	101	0.003	3	8	-1	63	17	54700	230	149
25952	291698	8069729	outcrop	-0.5	47	0.001	5	4	1	25	7	3060	100	152
25953	291461	8069797	proximal mullock heap	-0.5	97	0.002	-2	3	-1	19	5	191	10	42
25954	291463	8069816	outcrop	-0.5	35	-0.001	2	1	-1	10	6	163	-10	40
25955	291663	8069702	outcrop	2.7	467	0.02	6	32	1	803	11	51	30	193
25956	291835	8069474	outcrop	-0.5	29	-0.001	4	20	-1	1140	-5	610	10	312
25957	291910	8069319	outcrop	-0.5	122	-0.001	5	80	-1	532	-5	148	20	38
25958	292012	8069228	subcrop	-0.5	11	-0.001	2	42	-1	93	-5	181	-10	101
25959	292520	8069235	outcrop	1.2	8010	0.01	-2	67	2	7960	135	246	50	315
25960	292297	8069579	outcrop	-0.5	59	-0.001	3	3	-1	52	-5	132	-10	37
25961	291030	8069832	outcrop	-0.5	37	-0.001	4	11	2	70	5	128	80	378
25962	291064	8069829	outcrop	1.8	81	0.007	221	3	2	12	7	202	190	297
25962	287912	8063225	outcrop	-0.5	111	0.004	30	26	29	65	-5	296	10	52

25963	290018	8069545		-0.5	8	-0.001	4	21	-1	10	-5	20	-10	23
25964	290015	8069484		-0.5	35	-0.001	2	9	1	25	-5	18	-10	8
25965	290156	8069432		-0.5	17	-0.001	2	17	-1	21	-5	22	-10	11
25966	290176	8069460		-0.5	571	-0.001	5	28	1	36	12	149	20	29
25967	290240	8069447		-0.5	1700	0.001	6	54	2	14	8	50	30	25
25968	290314	8069482		-0.5	108	-0.001	-2	6	-1	11	-5	337	40	29
25969	290076	8067644	subcrop	-0.5	1045	-0.001	22	168	17	277	22	462	30	68
25970	290125	8067697	subcrop	-0.5	136	0.002	-2	19	-1	31	-5	2260	30	65
25971	290280	8067694	mullock	-0.5	292	0.001	13	86	1	18	5	1655	130	40
25972	290178	8066367	subcrop	-0.5	76	-0.001	3	43	1	20	6	207	10	37
25973	290076	8066561	subcrop	-0.5	32	-0.001	2	12	-1	40	-5	17400	40	62
25974	290048	8066629	outcrop	-0.5	15	-0.001	-2	13	-1	159	-5	811	30	1070
25975	290000	8066618	subcrop	2.3	1235	0.001	30	27	-1	35	-5	70	160	13
25976	289384	8066003	subcrop/?mullock	-0.5	5	0.001	2	9	-1	10	-5	21600	60	625
25977	289365	8066032	subcrop	-0.5	466	0.008	9	33	2	25	9	1555	20	118
25978	289408	8066107	subcrop	-0.5	47	-0.001	-2	28	1	12	-5	258	-10	37
25979	289413	8066112	subcrop	-0.5	47	-0.001	-2	11	5	8	-5	520	-10	26
25980	288520	8062696	subcrop	-0.5	67	-0.001	12	14	2	14	-5	283	30	20
25981	288253	8062540	subcrop	23.8	95900	0.01	318	720	-1	7900	281	404	670	74
25982	288790	8062241	subcrop	-0.5	395	-0.001	3	7	-1	39	-5	434	20	75
25983	288807	8062552	subcrop	10.2	291	0.001	8	25	-1	110	-5	1380	20	50
25984	288840	8062566	subcrop	32.9	1500	0.001	16	76	-1	391	6	304	20	29
25985	288842	8062568	subcrop	14.3	2080	0.004	73	164	1	616	9	521	20	39
25986	288897	8062376	subcrop	-0.5	22	-0.001	2	6	-1	8	-5	542	40	70
25987	288896	8062371	subcrop	-0.5	407	0.001	-2	14	-1	43	-5	1735	20	29
26601	289942	8069362	outcrop	-0.5	20	0.002	3	3	4	7	-5	45	810	5
26602	289934	8069104	subcrop	1	117	0.002	4	21	-1	6	-5	686	50	17
26603	289985	8069137	outcrop	-0.5	59	-0.001	-2	3	-1	9	-5	62	10	8
26604	290080	8069274	outcrop	-0.5	30	0.002	12	69	1	8	-5	189	80	71
26605	290061	8069291	subcrop	57.7	62	2.91	25000	18	2	15	8	2240	51200	222
26606	290066	8069210	outcrop	-0.5	250	0.038	120	26	1	21	-5	183	100	15
26607	290096	8069168	outcrop	-0.5	17	0.027	27	6	19	7	-5	55	10600	10
26608	290155	8069452	subcrop	-0.5	12	0.009	19	6	7	5	-5	56	260	9
26609	289996	8069436	outcrop	-0.5	14	0.001	11	8	-1	6	-5	214	10	6
26610	290041	8069957	outcrop	-0.5	9	0.001	4	6	1	11	-5	162	10	32
26611	290223	8070029	mullock heap	50	21400	0.026	242	649	-1	39600	52	2740	300	268
26612	290238	8070020	outcrop	2.9	5640	0.006	9	68	-1	757	12	262	20	134
26613	290003	8067635	outcrop	0.6	700	0.001	2	68	-1	37	10	159	60	39
26614	290044	8067773	subcrop	-0.5	136	0.004	6	8	-1	27	-5	2120	10	23
26615	290011	8067812	outcrop	-0.5	130	0.018	4	61	-1	13	-5	579	40	64
26616	290071	8068049	outcrop	-0.5	62	0.003	2	2	-1	13	-5	279	40	32
26617	290201	8068182	outcrop	-0.5	368	-0.001	6	17	-1	150	-5	1200	10	77
26618	290379	8067961	outcrop	0.5	99	-0.001	3	5	3	65	-5	276	10	9
26619	290409	8067945	subcrop	1.3	197	-0.001	6	19	9	232	-5	330	10	10
26620	289392	8067032	outcrop	-0.5	23	0.001	-2	1	-1	8	10	19	-10	4

26621	289398	8067049	outcrop	-0.5	77	0.047	-2	5	3	36	63	25	-10	5
26622	289470	8067018	outcrop	-0.5	46	0.001	2	4	5	10	47	6	-10	4
26623	289474	8067009	outcrop	-0.5	19	-0.001	3	1	-1	9	-5	251	10	38
26624	289440	8066944	outcrop	5.1	182	0.012	6	28	-1	183	16	28	-10	12
26625	289445	8066929	outcrop	-0.5	90	0.002	-2	4	3	13	-5	472	20	27
26626	289475	8066872	subcrop	1.4	126	0.015	-2	3	10	17	41	62	-10	14
26627	289731	8066890	outcrop	-0.5	1180	-0.001	2	99	3	27	7	1115	20	140
26628	289547	8067040	outcrop	3.8	323	-0.001	3	45	3	150	5	496	10	21
26629	289566	8066998	outcrop	-0.5	9	-0.001	-2	2	3	8	26	16	-10	5
26630	288480	8063284	outcrop	0.9	466	-0.001	-2	31	-1	106	-5	209	10	112
26631	289853	8066485	outcrop	-0.5	30	-0.001	-2	11	1	6	6	172	-10	28
26632	289694	8066724	outcrop	-0.5	45	-0.001	-2	8	-1	52	-5	99	-10	15
26633	289709	8066720	subcrop	-0.5	22	-0.001	2	7	2	17	6	628	10	50
26635	289767	8066730	mullock heap	-0.5	77	0.001	-2	13	1	26	-5	741	10	55
26635	290117	8066753	outcrop	-0.5	15	-0.001	-2	15	-1	8	-5	186	10	192
26636	290344	8066754	outcrop	-0.5	100	-0.001	2	58	2	11	-5	511	-10	62
26637	290271	8066709	subcrop	44.6	13450	0.012	655	325	329	11100	20	599	70	41
26638	290047	8066636	outcrop	0.5	49	0.002	2	5	2	45	-5	272	20	45
26639	289467	8065826	outcrop	-0.5	69	-0.001	5	14	4	20	-5	64	-10	19
26640	289464	8065825	outcrop	-0.5	125	-0.001	3	17	7	58	5	298	-10	32
26641	289433	8065873	outcrop	-0.5	42	-0.001	-2	10	1	7	-5	125	-10	23
26642	289394	8065928	outcrop	-0.5	60800	0.002	50	197	3	597	19	277	70	70
26643	289302	8066050	outcrop	-0.5	319	-0.001	2	39	2	16	-5	45	-10	24
26644	289300	8066052	outcrop	-0.5	184	-0.001	-2	54	1	15	-5	174	10	31
26645	289254	8065953	subcrop	-0.5	295	0.001	-2	18	2	20	-5	508	10	47
26646	289174	8066285	outcrop	-0.5	49	-0.001	4	12	1	18	-5	44	-10	8
26647	288221	8063302	subcrop	-0.5	166	-0.001	2	7	1	100	-5	377	10	38
26648	288147	8063308	subcrop	-0.5	82	0.001	8	13	2	10	-5	155	30	39
26649	287669	8063481	subcrop	1.3	702	-0.001	87	29	78	210	-5	599	30	42
26650	287742	8063653	outcrop	-0.5	49	-0.001	-2	3	4	8	11	-5	-10	3
26651	287805	8063711	subcrop	-0.5	85	-0.001	-2	17	3	31	-5	31700	1110	44
26652	288001	8063788	subcrop	-0.5	89	0.001	6	30	1	12	-5	1205	10	45
26653	288100	8063641	subcrop	0.5	167	0.014	530	5	9	39	-5	117	20	18
26654	288474	8063282	outcrop	0.9	451	-0.001	6	60	-1	25	-5	311	10	81
26655	288854	8063368	outcrop	-0.5	215	0.001	6	54	1	45	-5	852	10	31
26656	288989	8063467	subcrop	114	150000	0.091	7840	888	8	2040	182	10900	330	32
26657	288984	8063464	subcrop	1	24200	0.001	133	103	2	89	13	271	15200	43
26658	288992	8063458	outcrop	47.1	150000	0.216	3210	214	78	450	152	7170	370	27
26659	289062	8063229	outcrop	30.5	41100	0.108	2930	75	12	1970	49	1845	92400	9
26660	288254	8063042	mullock heap	-0.5	383	-0.001	9	7	-1	178	-5	8160	230	58
26661	288038	8063032	subcrop	2.3	1130	0.005	113	1	18	19	-5	59	140	5
26662	288037	8063093	subcrop	-0.5	634	0.002	40	7	13	27	-5	144	1020	31
26663	288038	8063074	subcrop	-0.5	91	0.04	551	3	109	104	-5	53	690	8
26664	288148	8063220	subcrop	-0.5	153	-0.001	8	18	1	24	-5	173	10	38

26665	288482	8061929	subcrop	0.6	6750	0.004	10	127	5	41	7	181	10	7
26666	288770	8062011	subcrop	6.9	2420	0.002	93	835	2	167	-5	25	10	13
26667	289514	8062399	outcrop	0.8	755	-0.001	6	133	1	52	-5	145	10	25
26668	291295	8062030	subcrop	-0.5	136	-0.001	3	12	-1	27	-5	270	90	23
26669	291293	8062012	subcrop	0.9	257	-0.001	33	17	1	122	-5	87	1150	26
26670	291284	8062019	subcrop	-0.5	169	0.001	-2	7	1	12	-5	38	10	5
26671	291302	8062041	subcrop	0.9	33400	0.002	13	145	1	54	52	294	5840	17
26672	291177	8062266	subcrop	-0.5	160	-0.001	-2	5	-1	28	-5	1380	40	21
26673	291229	8062664	outcrop	34.5	150000	0.277	366	1860	2	456	564	152	170	9
26674	291068	8062729	shaft outcrop	-0.5	560	0.001	2	16	-1	26	-5	228	20	37
26675	291094	8062793	working outcrop	-0.5	177	-0.001	-2	9	1	47	-5	761	20	24
26676	289186	8065104	outcrop	-0.5	1110	0.001	3	11	1	186	-5	76	-10	22
26677	289216	8065337	outcrop	-0.5	80	-0.001	-2	3	-1	39	-5	10900	30	265
26678	289215	8065339	mullock heap	-0.5	61	-0.001	-2	4	-1	34	-5	11900	20	52
26679	289234	8065356	subcrop	-0.5	77	-0.001	-2	4	1	20	-5	14	-10	12
26680	289198	8064157	subcrop	-0.5	88	-0.001	-2	8	1	26	8	208	-10	48
26681	289330	8063954	subcrop	-0.5	25	0.001	-2	4	-1	5	-5	292	10	39
26682	289446	8063620	subcrop	-0.5	402	-0.001	-2	19	1	305	-5	3540	20	46
26683	289431	8063565	subcrop	-0.5	103	-0.001	2	15	-1	21	-5	682	10	36
26684	289656	8063349	subcrop	-0.5	25	-0.001	46	18	3	41	-5	43	12200	5
832982	290095	8061266	subcrop	0.7	7110	0.004	8	2	3	97	5	2570	260	63
832983	290122	8061239	outcrop	7.8	6810	0.007	-2	70	1	14900	24	1440	50	376
832984	290130	8061233	outcrop	45.5	205	0.01	3	24	2	31600	45	58	50	247
832985	290762	8061138	outcrop	2.6	26	0.003	-2	8	7	569	-5	154	10	406
832986	290212	8061019	outcrop	-0.5	26	0.087	3	3	2	185	-5	33	-10	53
832987	290538	8061054	outcrop	-0.5	69	0.021	-2	3	4	42	14	27	30	8
832988	290519	8061325	outcrop	0.9	89	0.002	-2	20	-1	376	-5	234	10	40
832989	290463	8061597	outcrop	3.5	-5	0.004	5	193	-1	2320	-5	397	50	596
832990	290484	8061614	outcrop	2	41	0.001	2	79	-1	353	8	191	10	1110
832991	290490	8061981	outcrop	2.4	10800	0.004	29	146	-1	248	6	35	180	37
832992	290760	8061741	outcrop	-0.5	140	0.001	2	24	1	44	6	-5	-10	107

JORC CODE, 2012 EDITION – TABLE 1 REPORT

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*	• This announcement refers to exploration conducted by previous holders of the mining and exploration rights for the area within the granted EPM's outlined in this

Criteria	JORC Code explanation	Commentary
	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.*	announcement. • 219 rock chip and mullock samples taken in 2017 are individual rock chips and mullock samples. Samples were assayed at ALS Townsville. • 360 Rock chip and mullock samples taken in 2006 are individual rock chips and mullock samples collected from sites within the tenements and sent to external laboratories including ALS Townsville, Perth and Brisbane for analysis of Au, Ag, As, Bi, Mo, Sb, Sn and W by industry standard techniques including AuAA21, ME-MS62s and XRF005. • Drill results are for 1m riffle split RC drill samples. • Drill results reported for Sn are pressed powder XRF analysis undertaken in house by Great Northern Mining Corporation.
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).*	• This announcement refers to exploration conducted by previous holders of the mining and exploration rights for the area within the granted EPM's outlined in this announcement. • Seven drill holes all open hole RC percussion
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.*	• This announcement refers to exploration conducted by previous holders of the mining and exploration rights for the area within the granted EPM's outlined in this announcement. Methods of recording and assessing core and chip sample recovery, measurements taken to maximise sample recovery and weather a relationship exists between sample recovery and grade and not know by the company.
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.*	• This announcement refers to exploration conducted by previous holders of the mining and exploration rights for the area within the granted EPM's outlined in this announcement. The presence of any sample photography and geological logging of

Criteria	JORC Code explanation	Commentary
	• *Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.* • *The total length and percentage of the relevant intersections logged.*	drilling is not known by the company. • No mineral resource estimation has been included in this announcement.
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.* • *Whether sample sizes are appropriate to the grain size of the material being sampled.*	• This announcement refers to exploration conducted by previous holders of the mining and exploration rights for the area within the granted EPM's outlined in this announcement. Sub-sampling techniques and sample preparation are not known by the company.
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 (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established.*	• This announcement refers to exploration conducted by previous holders of the mining and exploration rights for the area within the granted EPM's outlined in this announcement. • Drilling analysis was conducted in house by Great Northern Mining Corporation. Quality control procedures are not known. • All rock chip samples taken in 2017 were sent to ALS Townsville and assayed using standard analysis and quality control techniques used by ALS. • All rock chip samples taken in 2006 were sent to ALS Townsville, Brisbane or Perth and assayed using standard analysis and quality control techniques used by ALS including AuAA21, ME-MS62s and XRF005.
Verification of sampling and	• *The verification of significant intersections by either independent or alternative company*	• This announcement refers to exploration conducted by previous holders of the mining and exploration rights for the area within the

Criteria	JORC Code explanation	Commentary
assaying	*personnel.* • *The use of twinned holes.* • *Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.* • *Discuss any adjustment to assay data.*	granted EPM's outlined in this announcement. • The company has not sought to confirm significant intersections by either independent or alternate company personnel. • No holes were twinned. • No adjustments have been made to assay data.
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.* • *Specification of the grid system used.* • *Quality and adequacy of topographic control.*	• This announcement refers to exploration conducted by previous holders of the mining and exploration rights for the area within the granted EPM's outlined in this announcement. No mineral resources estimation has been included in this announcement. The specification of the grid system and the quality and adequacy of topographic control is not known to the company.
Data spacing and distribution	• *Data spacing for reporting of Exploration Results.* • *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.* • *Whether sample compositing has been applied.*	• This announcement refers to exploration conducted by previous holders of the mining and exploration rights for the area within the granted EPM's outlined in this announcement. Sample compositing outside of the 1m interval sampling is not known to the company. • Drilling was only undertaken at specified locations previously identified.
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.*	• This announcement refers to exploration conducted by previous holders of the mining and exploration rights for the area within the granted EPM's outlined in this announcement. Any bias or unbias resulting from orientation of drilling to targeted structures is not known to the company. • All holes were targeting minerisation above and below historic underground workings.
Sample security	• *The measures taken to ensure sample security.*	• This announcement refers to exploration conducted by previous holders of the mining and exploration rights for the area within the granted EPM's outlined in this announcement. Sample security measures

Criteria	JORC Code explanation	Commentary
		are not known to the company.
Audits or reviews	• *The results of any audits or reviews of sampling techniques and data.*	• This announcement refers to exploration conducted by previous holders of the mining and exploration rights for the area within the granted EPM's outlined in this announcement. Results from audits and reviews of sampling techniques and data are not know to the company.

Section 2 Reporting of Exploration Results

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

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	• *Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings.* • *The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.*	• EPM14797, EPM19112, EPM19113, EPM19114 and EPM19203 are 100% owned by Jervois Mining Limited (ASX:JRV). 100% ownership of all tenements to be transferred to Jadar Resources (ASX:JDR) upon completion of the SPA as outlined in this announcement.
Exploration done by other parties	• *Acknowledgment and appraisal of exploration by other parties.*	• The announcement refers to exploration conducted by previous holders: Great Northern Mining Corporation 1985 and Jervois Mining Limited 2017 (ASX:JRV)
Geology	• *Deposit type, geological setting and style of mineralisation.*	• The dominant geology is Late Carboniferous-Early Permian felsic intrusive granites. Mineral occurrences associated with these intrusions contain a wide range of metals that include Au, Mo, Sn, W, Cu and Bi. Tin has been mined in the Merberton-Mt Garnet district since the 1880's.
Drill hole Information	• *A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes:* ○ *easting and northing of the drill hole collar* ○ *elevation or RL (Reduced Level – elevation above sea level in metres) of*	• Refer to main body of this announcement

Criteria	JORC Code explanation	Commentary
	the drill hole collar ○ *dip and azimuth of the hole* ○ *down hole length and interception depth* ○ *hole length.* • *If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.*	
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.*	• Detailed intersections were reported by previous explorers, determination of these intersections is not known to the company.
Relationship between mineralisation widths and intercept lengths	• *These relationships are particularly important in the reporting of Exploration Results.* • *If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.* • *If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (eg 'down hole length, true width not known').*	• Down hole length, true width not known.
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.*	• Refer to main body of this announcement.
Balanced	• *Where comprehensive reporting of all*	• No material information has been omitted

Criteria	JORC Code explanation	Commentary
reporting	*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.*	that JDR is aware of.
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.*	• Nil
Further work	• *The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling).* • *Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.*	• Further field work and drilling is planned for the tenement areas.