26th February 2016

Market Announcements Office
Australian Securities Exchange Limited
Level 4, Stock Exchange Centre
20 Bridge Street
Sydney 2000

For Public Release

RE MMI Soil Geochemistry Indicates Potential Extension of Mineralisation at Mount Mackenzie

Resources and Energy Group are pleased to advise the results from a MMI survey carried out as part of the company's exploration campaign at its Mount Mackenzie Project.

As part of the company's program of work, a Mobile Metal Ion (MMI) orientation soil survey was undertaken in June 2015. The area selected was located over an area of known sub-surface mineralisation. 40 samples were submitted to SGS for analysis using the MMI-M(TM) analytical method. MMI™ is propriety technology developed by SGS to measure mobile metal ions in surface soils. The MMI method is based on vertical ionic migration of metals and has been demonstrated to generate more precise anomalies when compared to conventional soil sampling, as well as being able to identify anomalous areas that lie under cover.

The results of the orientation survey at Mount Mackenzie confirmed that the method can detect surface geochemical response over underlying primary mineralisation (see ASX release 24th June 2015).

An additional 169 samples collected on a 30 x 60m grid have now been tested. The results are presented in Figure 1 and Table 1. Figure 1, shows response ratios for Au, plotted over known mineralised envelopes. Response ratios are calculated in accordance with SGS guidelines, and show how many times greater than background the sample Au result is. For the purposes of determining background the 25th percentile position of the full dataset has been applied, which is 0.2ppb Au. Table 1 provides sample details, the complete analytical test results and response ratios for Au.

The MMI soil anomaly identified on figure 1 corresponds to Au response ratios which range from between 6 to 391 times background. At Mount Mackenzie, MMI response ratios in excess of 6.5 times above background are considered significant, and provide guidance of where bedrock is mineralised. Based on the orientation survey results, response ratios greater than 30 times above background are indicative of underlying shallower/and or higher grade mineralisation.

An analysis of Figure 1 shows a definite indication of gold mineralisation extending north and east of the North Knoll prospect. The North Knoll and adjoining South West slopes prospects already host a mineral resource (JORC 2012) comprising 49,000 oz Au Indicated, and 51,000 oz Au inferred (see ASX release 4th September 2015). The MMI anomaly recently identified covers a surface area of approximately 50,000m^2, is 350m long and 250m wide. Significantly, this area has very little by way of historic drilling. There are also indications of 2 smaller areas of potential mineralisation further to the east, and opportunity to investigate the area south of the orientation line, and north of the vein 355 mineral occurrence. The company will now move to identify specific drill targets based on combining past drilling data, knowledge gained during the Resource Estimation process and the new soil data.

Warwick Heeson
Company Secretary

Competent Persons Statement and Consent

The information in this release that relates to Exploration Results is based on and fairly represents information compiled by Mr. Michael Johnstone and Mr Todd Axford and who are members of the Australasian Institute of Mining and Metallurgy, and Principal Consultants for Minerva Geological Services (MGS) and Geko-Co (GKC) and respectively. MGS and GKC have been contracted by Resources and Energy Group to provide Exploration Management, technical advice and guidance to the company. Both Mr. Axford and Mr Johnstone have sufficient experience that is relevant to the reporting of Exploration Results to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr. Axford and Mr Johnstone consent to the inclusion in this release of the matters based on their information in the form and context in which it appears.

Figure 1

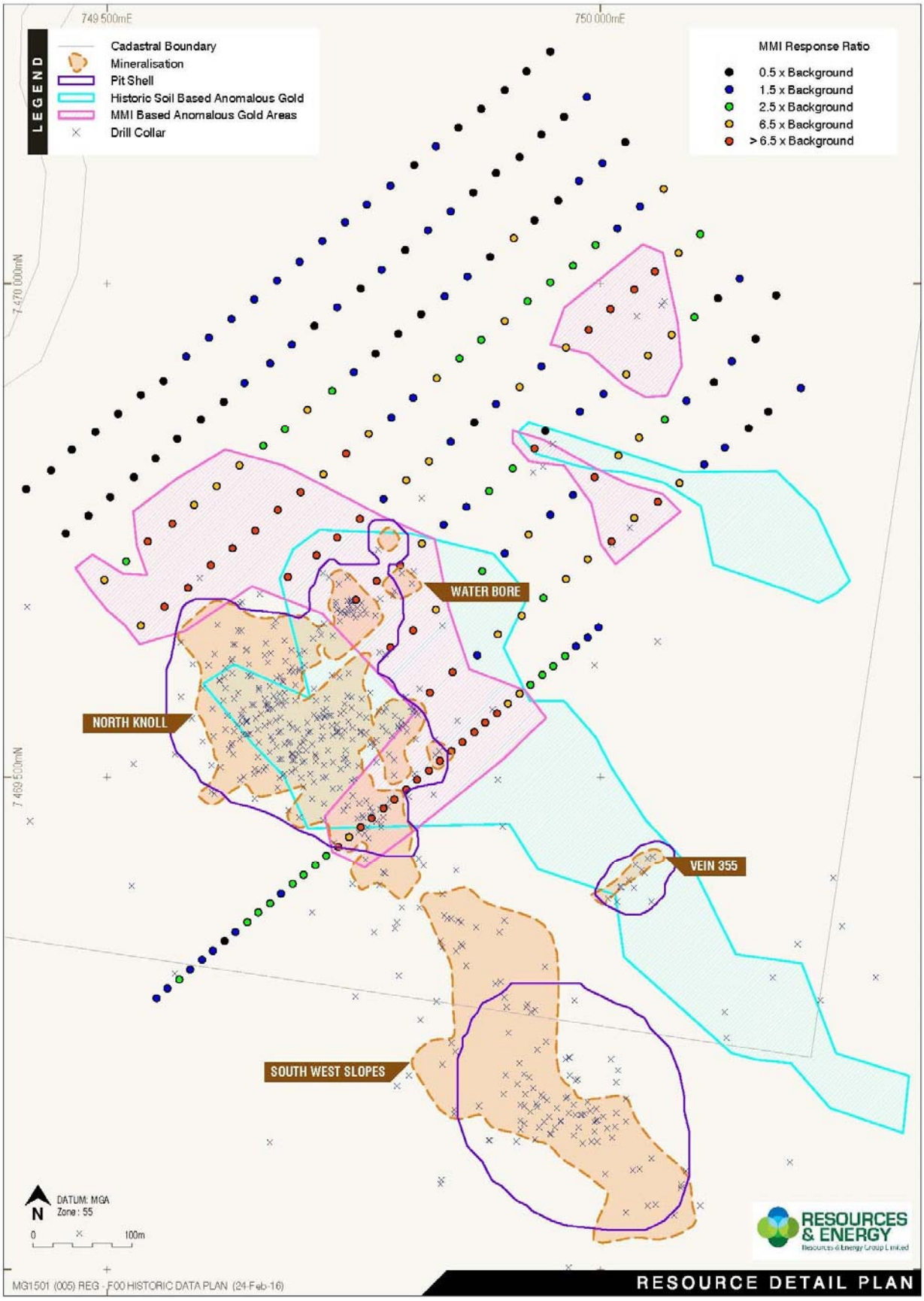
749 500mE
750 000mE
LEGEND
Cadastral Boundary
Mineralisation
Pit Shell
Historic Soil Based Anomalous Gold
MMI Based Anomalous Gold Areas
Drill Collar
MMI Response Ratio
0.5 x Background
1.5 x Background
2.5 x Background
6.5 x Background
> 6.5 x Background
7 470 000mN
7 469 500mN
WATER BORE
NORTH KNOLL
VEIN 355
SOUTH WEST SLOPES
DATUM: MGA
Zone : 55
N
0
100m
RESOURCES & ENERGY
MG1501 (005) REG - F00 HISTORIC DATA PLAN (24-Feb-16)
RESOURCE DETAIL PLAN

Table 1 Full MMI Geochemistry

Sample Reference	East mGDA	North mGDA	Ag [1] PPB	As [1] PPB	Au [2] PPB	Au [3] Response Ratio	Al PPM	Ca PPM	Ce PPB	Cu PPB	Th [1] PPB	K PPM	Mn PPB	Mg PPM	Ni PPB	Zn PPB
MMM0001	749550	7469275	6	X	0.2	1	20	365	464	2270	49.5	28.5	4210	197	460	170
MMM0002	749561	7469285	6	X	0.3	1.5	16	405	478	1420	38.7	24.1	2580	257	361	80
MMM0003	749573	7469294	11	X	0.4	2	19	430	691	1340	34.9	16.4	2770	271	326	250
MMM0004	749584	7469304	9	X	0.2	1	25	325	1020	960	37.1	41	4850	262	491	220
MMM0005	749596	7469314	8	X	0.4	2	14	340	385	1320	50.5	59.2	3800	223	437	100
MMM0006	749607	7469323	11	X	0.2	1	14	425	496	660	33.2	90.5	5990	245	298	390
MMM0007	749619	7469333	8	X	0.1	0.5	37	280	1110	810	21.3	26.4	3970	229	324	620
MMM0008	749630	7469342	6	X	0.3	1.5	26	285	869	1000	150	97.6	4160	162	323	180
MMM0009	749642	7469352	7	X	0.5	2.5	38	250	1350	780	73.5	21.6	2840	189	465	300
MMM0010	749653	7469362	8	X	0.4	2	31	290	1650	950	109	41.4	4030	158	410	220
MMM0011	749665	7469371	9	X	0.5	2.5	15	255	627	960	108	85	4370	184	240	210
MMM0012	749676	7469381	5	X	0.3	1.5	47	245	1910	580	101	44.2	3770	128	369	450
MMM0013	749688	7469391	6	X	0.4	2	20	280	519	230	95.5	65	5200	147	300	180
MMM0014	749699	7469400	4	X	0.4	2	31	180	698	190	61.2	52.3	7960	99	214	910
MMM0015	749711	7469410	7	X	0.4	2	37	285	1300	450	138	83.5	5780	117	209	350
MMM0016	749722	7469420	5	X	0.5	2.5	45	245	1660	270	82.3	82.8	4490	125	128	150
MMM0017	749734	7469429	19	20	1.8	9	56	175	1030	800	95.7	275	11600	139	191	250
MMM0018	749745	7469439	17	10	1.3	6.5	34	190	1790	780	174	96.7	6640	175	223	220
MMM0019	749757	7469449	17	X	2.4	12	48	260	794	3600	103	29.5	26400	217	1190	1900
MMM0020	749768	7469458	46	10	4.2	21	54	260	535	2340	37.3	72.4	14000	198	749	1850
MMM0021	749780	7469468	150	600	33.3	166.5	201	90	126	750	35.1	43.5	20900	66	361	950
MMM0022	749791	7469477	68	1070	30.4	152	201	15	51	410	37.2	66.5	8160	15	159	500
MMM0023	749803	7469487	35	230	17.7	88.5	201	15	52	790	35.2	87.5	4270	48	109	370
MMM0024	749814	7469497	33	50	20.8	104	201	50	27	680	26.3	56.5	7420	87	137	770
MMM0025	749826	7469506	37	140	21.5	107.5	201	30	310	630	64.7	47.8	8980	132	251	740
MMM0026	749837	7469516	37	50	23	115	201	55	201	530	52.1	41.1	9600	150	219	830
MMM0027	749849	7469526	29	90	32.5	162.5	201	100	80	530	30.4	90.1	9770	112	180	410
MMM0028	749860	7469535	15	420	22.5	112.5	201	25	176	540	34.8	55.2	2240	63	92	330
MMM0029	749872	7469545	10	10	3.1	15.5	94	225	1530	310	22.1	59.2	16400	207	165	850
MMM0030	749883	7469555	11	10	1.9	9.5	72	305	2660	270	12.6	48.5	15200	152	177	1290
MMM0031	749895	7469564	11	20	2.4	12	46	240	1100	360	15.7	76.3	11600	143	227	1530

Table 1 Full MMI Geochemistry

Sample Reference	East mGDA	North mGDA	Ag [1] PPB	As [1] PPB	Au [2] PPB	Au [3] Response Ratio	Al PPM	Ca PPM	Ce PPB	Cu PPB	Th [1] PPB	K PPM	Mn PPB	Mg PPM	Ni PPB	Zn PPB
MMM0032	749906	7469574	7	10	1.2	6	45	255	463	220	9.3	64.4	5420	239	218	1830
MMM0033	749918	7469584	5	20	0.7	3.5	91	250	1770	140	18.2	86.8	10700	111	323	3320
MMM0034	749929	7469593	7	40	0.4	2	168	200	631	120	36.2	104	19200	68	214	1220
MMM0035	749941	7469603	6	60	0.4	2	201	50	130	80	63.3	76.4	17500	38	77	570
MMM0036	749952	7469612	4	80	0.5	2.5	201	50	114	70	80.5	58.6	14600	31	67	500
MMM0037	749964	7469622	4	100	0.4	2	201	70	246	60	88.1	121	12500	36	61	410
MMM0038	749975	7469632	5	140	0.2	1	201	65	282	80	91.3	87.6	17000	46	69	840
MMM0039	749987	7469641	6	60	0.3	1.5	201	105	407	100	90.1	90.7	15200	54	101	1300
MMM0040	749998	7469651	14	120	0.3	1.5	201	115	479	90	98	86.6	15900	50	87	1680
MMM0043	749827	7469585	8	X	6.5	32.5	350	25	30	310	7	45.5	1600	61	54	460
MMM0044	749850	7469606	3	20	9.7	48.5	127	150	324	400	29.4	53.7	4770	174	65	370
MMM0045	749875	7469623	6	10	0.3	1.5	203	105	182	60	34.9	94.6	24500	59	83	800
MMM0046	749896	7469644	7	X	0.6	3	317	25	63	50	33.3	35.3	7650	70	49	540
MMM0047	749920	7469663	25	30	0.7	3.5	238	30	273	60	52.2	61.8	12200	108	92	2160
MMM0048	749942	7469681	9	20	0.5	2.5	157	70	339	70	63.6	59.5	13100	154	123	4540
MMM0049	749965	7469700	10	20	0.6	3	161	125	364	120	82.2	82.8	14300	163	154	3460
MMM0050	749987	7469720	21	30	0.9	4.5	161	80	777	120	57.9	53.5	16000	222	177	8780
MMM0051	750011	7469738	38	20	2	10	349	15	96	810	33.4	10.4	510	295	49	3330
MMM0052	750034	7469762	34	20	1.2	6	235	205	183	240	43.4	128	23400	110	39	1940
MMM0053	750058	7469778	23	10	2.9	14.5	80	170	1520	650	39.2	81.9	10600	156	156	3950
MMM0054	750080	7469797	27	10	0.8	4	49	385	475	460	6.8	100	10600	97	368	6630
MMM0055	750105	7469816	12	10	0.2	1	169	90	207	240	106	78.8	18600	101	115	8050
MMM0056	750126	7469833	13	X	0.2	1	149	115	879	230	156	51.1	20300	45	94	4160
MMM0057	750150	7469853	11	X	0.1	0.5	180	90	480	120	152	64	11200	41	53	3470
MMM0058	750170	7469870	10	10	0.05	0.25	96	185	394	100	166	69.4	12100	48	40	1200
MMM0059	750203	7469894	14	20	0.3	1.5	164	105	1270	100	195	31.7	6200	31	53	12900
MMM0062	749787	7469631	224	10	54	270	250	50	150	1680	37.1	85.3	12900	212	292	1900
MMM0063	749810	7469648	283	20	40.1	200.5	33	200	277	3590	7	43.3	12300	302	203	1400
MMM0064	749833	7469669	10	30	1.2	6	268	65	47	110	24.5	79.1	10400	102	54	2190

Table 1 Full MMI Geochemistry

Sample Reference	East mGDA	North mGDA	Ag [1] PPB	As [1] PPB	Au [2] PPB	Au [3] Response Ratio	Al PPM	Ca PPM	Ce PPB	Cu PPB	Th [1] PPB	K PPM	Mn PPB	Mg PPM	Ni PPB	Zn PPB
MMM0065	749857	7469688	1	X	0.5	2.5	341	15	66	70	39.7	32.9	1260	176	60	3310
MMM0066	749880	7469708	4	10	0.4	2	271	45	95	70	48.5	92.1	8240	110	47	2790
MMM0067	749903	7469726	4	X	0.2	1	298	45	47	70	30.7	83.8	6440	95	32	2650
MMM0068	749927	7469745	7	10	0.6	3	406	20	406	40	14.7	27.9	3290	60	25	260
MMM0069	749949	7469765	18	X	0.2	1	133	110	278	90	34.3	77.3	12400	176	63	1580
MMM0070	749972	7469785	19	X	0.3	1.5	273	35	145	80	54.4	50.3	13900	85	40	2620
MMM0071	749994	7469803	11	20	1.6	8	306	10	63	90	92	50.7	4510	6	29	470
MMM0072	750018	7469825	5	X	0.7	3.5	37	225	789	280	13.4	19.2	3830	356	99	1540
MMM0073	750039	7469843	8	X	0.8	4	28	255	1010	190	21.1	76	6010	218	206	3250
MMM0074	750065	7469862	12	20	0.4	2	126	135	1740	90	117	50.9	16700	83	148	5570
MMM0075	750087	7469881	30	20	0.2	1	145	110	1160	80	201	80.3	26100	24	94	4760
MMM0076	750115	7469900	27	20	0.1	0.5	18	390	204	320	72.9	82.8	4490	82	68	1520
MMM0077	750133	7469921	27	20	0.3	1.5	32	380	585	80	16.7	205	3880	145	215	6040
MMM0078	750157	7469944	8	X	0.05	0.25	50	350	181	50	12.5	66.6	14900	84	126	9080
MMM0079	750178	7469988	10	X	0.05	0.25	68	295	465	60	15.1	50	7500	57	104	6620
MMM0080	749752	7469679	311	20	78.3	391.5	127	575	214	12500	19.9	27.3	35300	218	817	1860
MMM0081	749773	7469698	51	X	37.3	186.5	189	75	86	450	18.1	28.7	8390	134	69	600
MMM0082	749797	7469714	17	20	5.5	27.5	265	60	257	320	31.7	49	8370	124	60	1230
MMM0083	749819	7469736	22	X	0.8	4	73	300	151	210	5.8	74.1	17700	189	97	960
MMM0084	749841	7469755	5	70	0.3	1.5	75	315	218	170	13.8	115	4530	149	52	1120
MMM0085	749864	7469773	5	20	0.3	1.5	169	150	226	90	38.3	93.8	13000	99	47	1240
MMM0086	749887	7469789	1	10	0.5	2.5	202	95	312	80	43.1	63	14300	147	46	900
MMM0087	749911	7469812	X	10	0.4	2	354	25	3340	130	20.5	37	3740	133	25	790
MMM0088	749933	7469832	2	X	2.7	13.5	311	135	52	90	15.9	55.9	13200	167	49	1800
MMM0090	749979	7469870	32	10	0.3	1.5	83	265	930	70	30.7	84.5	27800	79	146	2650
MMM0091	750003	7469888	31	20	0.2	1	51	195	315	160	56.1	70	5750	83	105	1940
MMM0092	750026	7469908	10	10	0.8	4	35	330	611	160	16.5	65	8870	176	269	7090
MMM0093	750048	7469927	10	10	1.1	5.5	65	175	960	260	24.2	45.8	5690	158	274	8630
MMM0094	750072	7469948	8	20	0.6	3	144	165	287	40	49.5	48.5	28900	57	98	2810
MMM0095	750095	7469966	16	X	0.4	2	85	215	268	110	21.9	67.6	21900	44	241	2460

Table 1 Full MMI Geochemistry

Sample Reference	East mGDA	North mGDA	Ag [1] PPB	As [1] PPB	Au [2] PPB	Au [3] Response Ratio	Al PPM	Ca PPM	Ce PPB	Cu PPB	Th [1] PPB	K PPM	Mn PPB	Mg PPM	Ni PPB	Zn PPB
MMM0096	750119	7469985	6	20	0.1	0.5	42	290	318	60	29	88.8	17100	149	189	5630
MMM0097	750141	7470005	34	20	0.2	1	13	490	15	280	4	108	4620	58	137	470
MMM0099	749683	7469702	49	X	11	55	57	220	1040	730	11.6	60.4	10500	161	360	1610
MMM0100	749712	7469724	50	X	11.4	57	49	325	541	750	3.3	61.5	9300	222	756	3270
MMM0101	749733	7469742	46	10	25.1	125.5	108	245	336	1400	39.7	69.5	16900	152	378	1940
MMM0102	749756	7469761	19	X	1.4	7	70	240	664	530	11.8	51.2	8670	156	203	2750
MMM0103	749780	7469781	5	20	0.3	1.5	40	260	403	370	8.8	128	6850	177	205	3330
MMM0104	749803	7469800	5	10	1.1	5.5	77	220	524	430	16	79.7	9450	121	162	3290
MMM0105	749826	7469819	8	10	0.9	4.5	111	200	231	190	21.8	111	14700	188	88	1600
MMM0106	749848	7469839	4	10	0.3	1.5	57	260	205	100	19	83.4	9500	152	79	880
MMM0107	749872	7469859	8	X	0.05	0.25	114	195	312	80	33	65.6	19400	69	150	1440
MMM0108	749894	7469878	5	10	0.3	1.5	47	330	1670	1010	6	23.8	12600	308	332	1590
MMM0109	749918	7469895	8	X	0.6	3	15	335	462	510	12.3	50.2	8710	392	147	280
MMM0110	749940	7469916	3	10	0.3	1.5	57	160	1300	330	24.7	24.3	4740	293	114	1060
MMM0111	749965	7469935	7	10	1.1	5.5	38	240	1630	400	20.6	25.5	4380	322	214	4400
MMM0112	749988	7469953	9	10	1.4	7	29	225	1740	400	49.4	55	9290	195	259	2820
MMM0113	750010	7469974	10	20	1.4	7	79	170	2100	650	59	28.9	6660	131	282	6270
MMM0114	750034	7469994	4	20	3.5	17.5	8	345	187	2580	24.9	33.6	3310	564	468	4590
MMM0115	750055	7470012	13	X	1.7	8.5	14	355	339	670	16	46.9	4550	429	597	13200
MMM0116	750079	7470031	16	10	0.9	4.5	78	215	2410	190	35.5	73.8	12400	134	711	11600
MMM0117	750101	7470050	11	20	0.4	2	127	145	732	130	85.4	81.9	51000	55	710	7480
MMM0119	749534	7469653	6	X	0.9	4.5	23	290	1060	970	82.8	66.5	5870	203	503	270
MMM0120	749558	7469672	35	X	3.2	16	28	290	1190	1430	52.1	87.2	9370	198	604	1000
MMM0121	749582	7469691	30	X	2.6	13	43	310	2420	870	46.1	58.1	8320	138	574	670
MMM0122	749605	7469714	70	20	14.7	73.5	34	490	259	780	11.1	121	28600	168	1320	3820
MMM0123	749627	7469731	81	20	8.9	44.5	17	470	240	1100	12.8	65	15700	202	620	2480
MMM0124	749650	7469749	55	10	3.9	19.5	36	330	438	490	7.5	22	38100	261	885	2860
MMM0125	749673	7469770	47	10	8.3	41.5	42	250	523	760	8.8	75	19900	225	504	3390
MMM0126	749696	7469788	56	X	19.5	97.5	60	280	368	950	11.9	79	30100	214	483	2860

Table 1 Full MMI Geochemistry

Sample Reference	East mGDA	North mGDA	Ag [1] PPB	As [1] PPB	Au [2] PPB	Au [3] Response Ratio	Al PPM	Ca PPM	Ce PPB	Cu PPB	Th [1] PPB	K PPM	Mn PPB	Mg PPM	Ni PPB	Zn PPB
MMM0127	749719	7469806	40	X	0.8	4	14	460	173	630	5.7	36.2	15300	373	324	6270
MMM0128	749742	7469827	10	X	1.7	8.5	17	505	181	920	9.5	34.9	7170	304	96	1530
MMM0129	749765	7469847	22	10	1	5	68	210	540	530	11.4	53	12300	213	149	2910
MMM0130	749788	7469864	3	10	0.3	1.5	84	205	598	120	29.8	79.7	9930	141	153	4010
MMM0131	749810	7469884	5	10	0.2	1	17	305	477	390	17.3	45.5	9510	320	184	820
MMM0132	749834	7469904	9	X	0.7	3.5	9	370	296	320	10	12.6	1990	376	73	480
MMM0133	749857	7469924	4	10	0.4	2	18	335	421	100	8.6	31.5	4350	322	175	1230
MMM0134	749879	7469943	4	X	0.4	2	28	365	1120	340	6.8	16.7	3460	380	210	930
MMM0135	749903	7469962	5	X	0.6	3	41	290	1820	650	12.1	16.5	6670	314	268	940
MMM0136	749926	7469982	5	X	0.5	2.5	23	295	1430	590	17.4	31.8	5050	259	209	930
MMM0137	749949	7470001	9	X	0.4	2	37	240	1920	610	23.7	27.7	5990	225	100	1140
MMM0138	749972	7470018	2	X	0.4	2	33	300	1720	390	17.1	53.9	7110	204	250	3670
MMM0139	749995	7470039	5	X	0.5	2.5	43	245	2570	400	25.7	58.3	6640	165	405	6230
MMM0140	750017	7470056	4	X	0.2	1	16	450	233	430	11.4	112	11800	259	729	7810
MMM0141	750040	7470078	24	20	0.2	1	30	280	116	280	77.2	67.7	4930	100	119	1030
MMM0142	750064	7470096	15	X	1	5	18	400	558	780	11.9	36.7	7310	305	267	1160
MMM0144	749497	7469699	16	X	0.7	3.5	11	410	321	1120	74.4	90.3	12500	221	737	500
MMM0145	749519	7469718	33	X	0.5	2.5	42	255	1740	640	30.8	87.9	7740	207	940	1960
MMM0146	749541	7469738	34	X	1.4	7	36	335	711	490	20.8	139	14300	178	840	3130
MMM0147	749566	7469756	57	10	4.2	21	49	325	572	550	5.2	94.7	4680	237	468	4220
MMM0148	749588	7469775	4	20	1.1	5.5	23	460	106	110	4.6	177	26000	194	232	4250
MMM0149	749611	7469794	52	10	0.6	3	22	365	267	700	7.9	84.9	13500	214	611	8580
MMM0150	749634	7469815	252	20	1.1	5.5	8	750	53	4180	6.2	82.9	44000	345	419	1900
MMM0151	749658	7469835	76	X	0.4	2	30	300	768	1650	7.3	67.2	12400	211	540	9870
MMM0152	749680	7469852	34	20	0.5	2.5	19	285	238	710	13.7	96.3	21100	226	417	5420
MMM0153	749703	7469872	9	10	0.7	3.5	35	340	933	210	6.8	86.4	6480	242	451	7320
MMM0154	749728	7469891	13	X	0.4	2	21	430	477	370	12.7	46.5	9420	237	369	1980
MMM0155	749750	7469910	10	20	0.2	1	10	500	115	150	9.4	64.2	14900	244	179	290
MMM0156	749772	7469929	7	X	0.05	0.25	13	555	138	50	8.9	43	11700	263	150	270
MMM0157	749795	7469949	3	X	0.05	0.25	23	450	1100	90	5.7	28.3	8170	222	240	1480

Table 1 Full MMI Geochemistry

Sample Reference	East mGDA	North mGDA	Ag [1] PPB	As [1] PPB	Au [2] PPB	Au [3] Response Ratio	Al PPM	Ca PPM	Ce PPB	Cu PPB	Th [1] PPB	K PPM	Mn PPB	Mg PPM	Ni PPB	Zn PPB
MMM0158	749818	7469969	2	X	0.1	0.5	29	375	1410	250	5.5	37.1	7270	181	180	590
MMM0159	749842	7469987	12	10	0.2	1	6	400	162	1180	13.6	29	7420	159	227	470
MMM0160	749865	7470007	17	X	0.2	1	6	480	105	820	10	24.7	12600	183	202	300
MMM0161	749888	7470027	4	X	0.1	0.5	19	410	561	190	11.3	23.1	9230	301	187	1000
MMM0162	749912	7470046	9	X	0.6	3	11	285	198	460	12.5	10	2940	475	136	190
MMM0163	749933	7470064	4	X	0.1	0.5	21	380	604	240	9.5	42	9430	221	196	1330
MMM0164	749957	7470084	7	X	0.05	0.25	41	325	1350	390	5.4	41.4	9390	203	228	2940
MMM0165	749978	7470104	7	X	0.2	1	35	370	674	430	3.5	40.3	5360	199	247	1450
MMM0166	750002	7470122	66	20	0.2	1	27	290	555	320	111	99.3	5960	90	172	2600
MMM0167	750025	7470143	7	X	0.05	0.25	31	485	1520	470	1.7	72.1	11800	160	317	2350
MMM0169	749458	7469746	5	X	0.05	0.25	27	310	820	300	33.6	115	11800	206	903	1530
MMM0170	749481	7469764	8	X	0.1	0.5	39	300	1580	700	31	29.3	5830	270	1100	1720
MMM0171	749503	7469783	6	X	0.05	0.25	32	315	918	900	78.9	44.1	27100	221	1270	1200
MMM0172	749527	7469803	5	X	0.1	0.5	61	125	1570	270	128	23.3	21300	185	477	650
MMM0173	749549	7469822	3	X	0.05	0.25	52	260	1830	270	44.4	36.2	10400	160	567	2220
MMM0174	749571	7469842	3	X	0.1	0.5	38	330	1040	210	10.3	20.6	4010	301	380	650
MMM0175	749595	7469862	7	10	0.1	0.5	14	480	133	560	9.1	47.3	6820	250	348	220
MMM0176	749618	7469880	9	X	0.05	0.25	13	400	325	420	10.6	26.2	6060	374	235	580
MMM0177	749639	7469899	5	X	0.2	1	18	520	198	470	6.9	28.7	7820	282	234	390
MMM0178	749665	7469919	13	X	0.2	1	21	375	458	320	9.5	24.8	4540	235	160	1160
MMM0179	749687	7469938	5	X	0.2	1	18	315	794	270	11	72.9	9590	240	300	1810
MMM0180	749710	7469957	4	X	0.05	0.25	24	370	1150	120	13.3	39.6	6720	255	222	1010
MMM0181	749733	7469976	3	10	0.2	1	33	310	1820	200	9.9	46.8	6820	221	258	1030
MMM0182	749757	7469995	2	10	0.05	0.25	24	365	424	280	11.6	99.4	19800	189	234	1090
MMM0183	749778	7470014	4	X	0.2	1	21	315	968	310	12.2	59.8	6590	250	188	690
MMM0184	749802	7470034	5	X	0.1	0.5	28	310	1140	630	11.3	51.6	7560	218	212	940
MMM0185	749825	7470054	11	10	0.2	1	29	290	1260	260	12.3	24	7600	240	178	860
MMM0186	749848	7470073	9	X	0.3	1.5	30	310	1350	250	6.5	24.5	5940	240	128	660
MMM0187	749871	7470092	14	X	0.1	0.5	17	300	533	290	14.5	34.1	7880	276	141	940
MMM0188	749894	7470112	6	X	0.05	0.25	18	405	676	200	12.5	40.3	9660	251	180	1100

Table 1 Full MMI Geochemistry

Sample Reference	East mGDA	North mGDA	Ag [1] PPB	As [1] PPB	Au [2] PPB	Au [3] Response Ratio	Al PPM	Ca PPM	Ce PPB	Cu PPB	Th [1] PPB	K PPM	Mn PPB	Mg PPM	Ni PPB	Zn PPB
MMM0189	749918	7470128	12	10	0.1	0.5	4	550	41	480	2.7	44.3	9330	150	143	340
MMM0190	749940	7470151	3	X	0.1	0.5	27	485	1270	340	1.7	25.3	4650	286	266	660
MMM0191	749963	7470169	9	30	0.05	0.25	2	805	19	190	X	39.5	7950	59	149	90
MMM0192	749986	7470189	17	X	0.2	1	33	340	1420	250	13.4	129	7610	143	398	2990
MMM0194	749418	7469791	5	X	0.05	0.25	29	275	1720	690	95	42.9	8180	217	664	730
MMM0195	749443	7469810	6	X	0.1	0.5	10	300	552	1530	119	67.3	9260	256	428	80
MMM0196	749464	7469831	9	X	0.05	0.25	5	475	94	1480	41.3	72.8	8520	175	574	160
MMM0197	749488	7469849	5	X	0.05	0.25	19	295	642	830	121	47.1	5760	235	486	210
MMM0198	749511	7469868	6	X	0.1	0.5	24	350	830	890	95	39.9	4920	214	422	290
MMM0199	749534	7469887	6	X	0.05	0.25	12	345	391	590	75.7	45.6	5650	240	260	160
MMM0200	749557	7469901	4	X	0.05	0.25	17	345	557	430	37.9	38.1	5480	237	326	470
MMM0201	749580	7469926	7	X	0.2	1	15	525	139	400	5.6	16.2	5670	363	205	260
MMM0202	749603	7469945	3	X	0.2	1	12	595	155	630	12.9	30.3	7470	317	317	300
MMM0203	749626	7469964	7	X	0.2	1	12	570	266	260	7.1	18.2	7100	323	212	620
MMM0204	749649	7469984	3	X	0.3	1.5	20	390	381	200	8.8	59.2	5610	268	168	1030
MMM0205	749672	7470003	6	10	0.3	1.5	11	450	413	120	17.7	70	4820	217	172	1810
MMM0206	749695	7470022	9	20	0.3	1.5	15	270	517	250	26.1	162	14900	229	275	2660
MMM0207	749718	7470043	6	X	0.3	1.5	23	330	557	140	11.7	66.5	6090	237	180	2730
MMM0208	749741	7470062	11	X	0.3	1.5	18	300	538	270	15.6	74.7	6760	294	171	2840
MMM0209	749763	7470080	15	10	0.3	1.5	14	585	215	680	7.6	24.6	12800	254	280	2190
MMM0210	749787	7470099	5	X	0.2	1	12	440	264	240	9.2	109	7020	282	216	640
MMM0211	749811	7470120	3	X	0.05	0.25	27	435	559	210	6.2	15.9	5170	287	122	220
MMM0212	749833	7470139	2	X	0.2	1	34	510	580	220	3.6	25.2	4700	275	135	130
MMM0213	749856	7470158	4	X	0.05	0.25	30	370	1060	300	4.7	32.6	5620	315	177	410
MMM0214	749879	7470177	3	X	0.05	0.25	29	425	1020	250	3	67.9	7420	296	338	1030
MMM0215	749903	7470196	2	X	0.05	0.25	14	410	394	170	3.4	325	24400	261	275	2020
MMM0216	749925	7470215	5	X	0.05	0.25	15	505	597	370	6	41.8	7270	293	227	720
MMM0217	749949	7470235	4	X	0.05	0.25	12	660	458	230	4	59.9	8510	205	332	710

Footnotes:

1. X=below detection. Lower detection limits (ppb): Ag=1, As=10, Au=0.1, Th=0.5

2. To allow Au response ratio calculation gold values reported as below detection have been adjusted to half the lower detection limit (0.05)

3. Au Response Ratio used to express results in relation to background (values >1 are above background): calculated by dividing Au PPB by the 25th percentile of the Au PPB dataset (in this case 0.2 ppb)

APPENDIX 1: JORC Code, 2012 Edition – Table 1

Section 1 Sampling Techniques and Data

Criteria	JORC Code explanation	Commentary
Sampling techniques	• Nature and quality of sampling (eg cut channels, random chips, or specific specialized 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 mineralization 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 mineralization types (eg submarine nodules) may warrant disclosure of detailed information.	• The MMI testing program consisted of 216 soil samples including 40 orientation samples. These were collected from a grid based program comprising 8 sample lines, and 1 orientation line. The sample grid was orientated northeast, with sample collection on 30 x 60m centers for the grid lines, and 15m for the orientation line. • MMI samples were collected using procedures and methodology developed by SGS. Samples are collected using a hand held scoop from small holes which are generally 150-250mm deep. Prior to excavation, surface organic material is removed from the site, and a 200-300gm sample is taken and sieved at -4mm to remove any lumps/nodules or buried organic matter. The sieved sample is then placed in a numbered zip locked bag, for delivery to SGS laboratories in Perth. SGS then apply proprietary analytical techniques to determine final result. • Details of all sample locations and results are included in supporting documentation. • There are a substantial number of case studies which have confirmed that the MMI method developed by SGS is capable of defining sharp boundaries which underlie zones of sub-surface mineralisation. The MMI method was initially trialed at Mount Mackenzie in mid 2015 by completion of 1 orientation line, which specifically targeted an area of known mineralisation. The results of the orientation survey were positive, and confirmed that the method may have broader application at Mount Mackenzie.
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).	• Not applicable, the report does not include drilling samples
Drill sample recovery	• Method of recording and assessing core and chip sample recoveries and results assessed.	• Not applicable, the report does not include drilling results

Criteria	JORC Code explanation	Commentary
	• Measures taken to maximize 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.	
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.	• Samples were collected by a qualified Geologist with experience in the MMI sampling technique. • Samples are qualitatively logged for soil and rock type, regolith condition and vegetative cover. Any relevant topographic detail is noted as well. • This is not applicable. The report does not include drilling results
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 maximize 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 does not apply. The exploration results are not based on core. • Samples were collected from a hole excavated by a small hand held scoop. The whole sample was sieved at -4mm to remove larger grains, nodules and roots with the residuum of 200-300gm placed in zip lock bags for analysis. • After initial collection in the field all subsequent sample preparation is carried out in a laboratory, under controlled conditions specified by SGS. • Field duplicates were collected and introduced into the sampling stream at approximately 1 every 25 samples. SGS also also include blanks in each and duplicates samples as part of that company's internal QA/QC protocols. • Field duplicate analysis results have been compared with the associated original sample results, no issues are evident. • For fine grained soil samples the sample size is considered appropriate and in line with recommendations of SGS.
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.	• MMI testing is a partial leach process developed by SGS which uses a proprietary method to assess Mobile Metal Ions which are bound to soil particles. After extraction using proprietary chemical reagents, measurement is by conventional ICP-MS which allows accurate reporting of

Criteria	JORC Code explanation	Commentary
		elements at very low levels of detection (ppb)
	• 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.	• This is not applicable, geophysical tools are not used for analysis.
	• 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.	• Due to the low detection limits, the MMI process is sensitive to contamination. To avoid contamination, field procedures include; removal of jewellery and watches by field personnel, the use of plastic implements to prevent introducing additional metal ions. Field duplicates are also introduced at a ratio of approximately 1 duplicate per 25 samples or so. Control reference materials are also introduced by SGS at the laboratory, which includes 1 blank, every 50 samples and 1 replicate every 25 samples. Quality control sample analysis shows no issues with the laboratory work.
Verification of sampling and assaying	• The verification of significant intersections by either independent or alternative company personnel.	• All sampled results are checked by the site Geologist, who was present on site during the complete samples process. The results are then checked by the principal consultant for Geko-Co, by reference to sample number and location, and QC samples introduced into the sampling stream. The final results are also reviewed by the exploration manager for REZ.
	• The use of twinned holes.	• This does not apply. The report does not include drilling results.
	• Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.	• After verification, the primary data is entered into the company's data base, (Explorer 3) which is maintained independently by Geko-Co Pty Ltd.
	• Discuss any adjustment to assay data.	• No adjustments or calibrations to the original assay data have been made
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.	• All sample sites were initially generated on plan. The sample sites were located in the field using a hand-held Garmin GPS. This device can be considered to have an accuracy of +/- 5m.
	• Specification of the grid system used.	• The Grid System is GDA94 Zone 55
	• Quality and adequacy of topographic control.	• Topographic control is not required for MMI sampling.
Data spacing and distribution	• Data spacing for reporting of Exploration Results.	• The MMI sample program was designed to include 9 gridlines, including 1 orientation line. These sample lines, spaced at 60m, were orientated northeast, with sample spacing at 15m (orientation line) and 30m.
	• Whether the data spacing and distribution is sufficient to establish the	• The data spacing is adequate to identify areas of broad geochemical

Criteria	JORC Code explanation	Commentary
	degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.	anomalies. These exploration results are not at present the subject of Mineral Resource or Ore Reserve estimation.
	• Whether sample compositing has been applied.	• Sample compositing has not been carried out.
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.	• During the planning stage historic soil and drill data was utilized to interpret likely mineralisation trends. The sample locations were spatially arranged to test potential mineralization which is believed to be plunging north, and have a Northwest alignment. The orientation of the grid lines reflects this spatial attitude. • No orientation bias has been identified in the MMI results presented.
Sample security	• The measures taken to ensure sample security.	• Chain of custody. Samples are double bagged in sealed bags. The receiving laboratory verifies sample number against a sample manifest, and confirms receipt. After receipt at laboratory the samples are tracked through the analytical process up till delivery of results.
Audits or reviews	• The results of any audits or reviews of sampling techniques and data.	• At this stage no audits or reviews of sampling techniques has been carried out.

Section 2 Reporting of Exploration Results

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	• Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings. • The security of the tenure held at the time of reporting along with any known impediments to obtaining a license to operate in the area.	• The area under assessment is located wholly within EPM10006. EPM 10006 is an exploration permit for minerals. A public interest enquiry confirms Mount Mackenzie Mines as having 100% interest in the tenement. The land, from which the Exploration Results have been derived, is wholly owned by Mount Mackenzie Mines, is not subject to Native Title Interests, and does not encompass Strategic cropping lands, wilderness or protected landscapes. • At the time of reporting the tenement is in good standing. There are no known impediments which would prohibit operations in accordance with the license conditions, and the environmental authority.
Exploration done by other parties	• Acknowledgment and appraisal of exploration by other parties.	• This tenement package was formerly held under joint venture between Smarttrans (formerly Coolgardie Gold) and Australian Reproductive Health Services (formerly Marlborough Gold Mines). Over many years several companies had joined with Marlborough Gold to form joint ventures over the area of EPM10006, including Australian Consolidated Exploration (1975-76), Utah Development (1981-82), Peabody (1984-85), Freeport McMoran (1987-89), Dragon Mining (1995), Coolgardie Gold / SmartTrans Holdings (1997-2014), Jeteld (2002-06) and Newcrest Mining (2007-08). • In presenting the new data plans have been included that show the location of the 'Historic' work completed by various parties listed above.
Geology	• Deposit type, geological setting and style of mineralization.	• High Sulphidation-epithermal deposit of Late Carboniferous age associated with the Conners Magmatic Arc within the Queensland part of the New England Fold Belt.
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: o easting and northing of the drill hole collar o elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar o dip and azimuth of the hole	• This is not applicable. The report does not include drilling results.

Criteria	JORC Code explanation	Commentary
	o down hole length and interception depth 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.	
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.	• Aggregation methods are not applicable to this sampling method. No top cuts or weighting and averaging of results has been applied. The MMI results posted are simply expressed as a "response ratio" of MMI assay to background. The 25th percentile of the gold assays for the full MMI dataset has been applied as background. Dividing assay value by the 25th percentile value generates the "response ratio".
	• 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.	• This is not applicable, aggregation methods are not applied to this sampling method
	• The assumptions used for any reporting of metal equivalent values should be clearly stated.	• Not applicable, metal equivalents are not reported
Relationship between mineralization widths and intercept lengths	• If the geometry of the mineralization with respect to the drill hole angle is known, its nature should be reported.	• The MMI results define surface geochemical anomalies. The method does not enable an evaluation of the xyz geometry of any underlying mineralisation.
	• 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').	
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.	• An appropriately scaled plan is included showing the location of all MMI samples and the relative position to past drill collars.
Balanced reporting	• Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should	• Comprehensive reporting has been adopted. All results have been included in the supporting documentation.

Criteria	JORC Code explanation	Commentary
	be practiced to avoid misleading reporting of Exploration Results.	
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 company has previously released a number of reports, which provides details of drilling results, resource estimates, geological observations, previous investigations, geochemistry and geophysical survey results. These reports can be accessed in the announcements section of the ASX website.
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.	• Recommendations for further work are described in the supporting documentation • Additional resource areas have been described in the supporting documentation.