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**CERTIFICATE AD15107026**

Project: Kirkimbie Project

This report is for 40 Soil samples submitted to our lab in Adelaide, SA, Australia on 23-JUL-2015.

The following have access to data associated with this certificate:

RUSS KNIGHT	TONY MARTIN
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SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
LEV-01	Waste Disposal Levy
PUL-23	Pulv Sample - Split/Retain
CRU-21	Crush entire sample >70% -6 mm
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
ME-MS43	Up to 11 elements 25g A/R MS	ICP-MS
ME-ICP43	Up to 18 element add-on AR Au	ICP-AES
Au-TL43	Trace Level Au - 25g AR	ICP-MS

To: **DAYLIGHT JACK MINERALS**  
**ATTN: TONY MARTIN**  
**BOX 145**  
**RUSHWORTH VIC 3612**

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

Comments: Niobium not available by TL43-MEPKG. Sample MC 6.1 was not received.

**Signature:**   
 Cameron Brosnan, Laboratory Manager, Perth



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 Finalized Date: 4-AUG-2015  
 Account: DAYJAC

Project: Kirrkimbie Project

**CERTIFICATE OF ANALYSIS AD15107026**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	PUL-QC Pass75um %	Au-TL43 Au ppm	ME-MS43 Bi ppm	ME-MS43 Hg ppm	ME-MS43 Sb ppm	ME-MS43 Se ppm	ME-MS43 Sn ppm	ME-MS43 Te ppm	ME-MS43 Th ppm	ME-MS43 Tl ppm	ME-MS43 U ppm	ME-MS43 W ppm	ME-ICP43 Ag ppm	ME-ICP43 Al %
MC 1.1		0.10		0.001	0.15	0.01	0.05	0.6	1.1	<0.01	7.90	0.15	0.24	<0.05	<0.1	1.92
MC 1.2		0.09		0.001	0.14	0.01	<0.05	0.6	1.1	<0.01	7.73	0.15	0.24	<0.05	<0.1	1.80
MC 1.3		0.11		<0.001	0.14	0.01	0.05	0.5	1.0	<0.01	7.90	0.15	0.27	<0.05	<0.1	1.66
MC 1.4		0.12		<0.001	0.14	0.01	0.05	0.6	1.1	<0.01	7.91	0.14	0.29	<0.05	<0.1	1.79
MC 1.5		0.12	95.0	0.001	0.15	0.01	0.06	0.6	1.1	<0.01	8.08	0.15	0.24	<0.05	<0.1	1.71
MC 1.6		0.09		<0.001	0.14	0.01	0.05	0.5	1.1	<0.01	7.84	0.15	0.24	<0.05	<0.1	1.83
MC 2.1		0.11		<0.001	0.15	0.01	0.05	0.5	1.1	<0.01	8.20	0.16	0.25	<0.05	<0.1	1.84
MC 2.2		0.08		<0.001	0.15	0.01	0.06	0.6	1.1	<0.01	7.71	0.15	0.26	<0.05	<0.1	1.86
MC 2.3		0.10		<0.001	0.15	0.01	0.06	0.7	1.2	<0.01	8.15	0.15	0.26	<0.05	<0.1	1.91
MC 2.4		0.11		<0.001	0.15	0.01	0.05	0.6	1.1	<0.01	8.08	0.15	0.26	<0.05	<0.1	1.90
MC 2.5		0.08		<0.001	0.14	0.01	0.05	0.6	1.0	<0.01	7.27	0.14	0.29	<0.05	<0.1	1.82
MC 2.6		0.07		<0.001	0.14	0.01	0.09	0.7	1.2	<0.01	7.77	0.16	0.36	<0.05	<0.1	2.10
MC 3.1		0.08		<0.001	0.16	0.01	0.06	0.6	1.2	<0.01	8.42	0.17	0.26	<0.05	<0.1	2.09
MC 3.2		0.12		<0.001	0.15	0.01	0.05	0.6	1.1	<0.01	8.47	0.16	0.27	<0.05	<0.1	1.95
MC 3.3		0.09		<0.001	0.15	0.01	0.05	0.5	1.2	<0.01	7.92	0.15	0.28	<0.05	<0.1	1.98
MC 3.4		0.11		<0.001	0.16	0.01	0.05	0.6	1.2	<0.01	8.59	0.16	0.31	<0.05	<0.1	1.98
MC 3.5		0.06		<0.001	0.15	0.01	0.05	0.7	1.2	<0.01	7.74	0.16	0.24	<0.05	<0.1	1.98
MC 3.6		0.09		<0.001	0.15	0.02	0.05	0.6	1.1	<0.01	8.27	0.15	0.24	<0.05	<0.1	1.84
MC 4.1		0.13		<0.001	0.17	0.01	0.05	0.5	1.2	<0.01	8.89	0.17	0.40	<0.05	<0.1	1.99
MC 4.2		0.15		<0.001	0.16	0.01	<0.05	0.5	1.3	<0.01	8.55	0.16	0.38	<0.05	<0.1	2.13
MC 4.3		0.10		<0.001	0.16	0.01	<0.05	0.6	1.3	<0.01	8.66	0.18	0.36	<0.05	<0.1	2.26
MC 4.4		0.12		<0.001	0.16	0.01	0.05	0.6	1.2	<0.01	8.77	0.17	0.34	<0.05	<0.1	2.05
MC 4.5		0.11		<0.001	0.17	0.02	<0.05	0.5	1.4	<0.01	9.25	0.17	0.42	<0.05	<0.1	2.05
MC 4.6		0.10		<0.001	0.17	0.02	0.05	0.6	1.4	<0.01	9.18	0.18	0.41	<0.05	<0.1	1.94
MC 5.1		0.10		<0.001	0.14	0.02	0.05	0.5	1.1	0.01	7.44	0.16	0.26	<0.05	<0.1	1.73
MC 5.2		0.08		<0.001	0.15	0.01	<0.05	0.5	1.2	0.01	7.87	0.17	0.27	<0.05	<0.1	2.07
MC 5.3		0.10		<0.001	0.15	0.02	0.05	0.5	1.2	0.01	7.84	0.16	0.28	<0.05	<0.1	2.03
MC 5.4		0.13	94.0	<0.001	0.15	0.02	0.05	0.4	1.2	0.01	8.04	0.15	0.30	<0.05	<0.1	1.82
MC 5.5		0.09		<0.001	0.15	0.01	0.05	0.5	1.2	0.01	7.94	0.16	0.30	<0.05	<0.1	1.89
MC 5.6		0.10		<0.001	0.15	0.01	0.05	0.4	1.3	0.01	7.77	0.16	0.28	<0.05	<0.1	2.08
MC 6.1		Not Recvd														
MC 6.2		0.10		<0.001	0.18	0.01	<0.05	0.5	1.6	<0.01	9.51	0.19	0.56	<0.05	<0.1	2.66
MC 6.3		0.08		<0.001	0.17	0.01	0.05	0.4	1.5	<0.01	9.68	0.18	0.54	<0.05	<0.1	2.64
MC 6.4		0.10		<0.001	0.18	0.02	0.05	0.6	1.5	<0.01	9.75	0.18	0.61	<0.05	<0.1	2.33
MC 6.5		0.09		<0.001	0.19	0.02	0.05	0.5	1.7	<0.01	10.55	0.22	0.57	<0.05	<0.1	2.86
MC 6.6		0.08		<0.001	0.18	0.01	<0.05	0.4	1.5	0.01	9.77	0.19	0.55	<0.05	<0.1	2.45
DL 18.1		0.07		<0.001	0.18	0.01	0.05	0.6	1.5	<0.01	8.74	0.19	0.45	<0.05	<0.1	2.43
DL 18.2		0.08		0.001	0.16	0.02	0.05	0.6	1.4	<0.01	8.67	0.18	0.46	<0.05	<0.1	2.41
DL 18.3		0.07		<0.001	0.16	0.01	0.05	0.4	1.3	<0.01	8.09	0.16	0.39	<0.05	<0.1	1.98
DL 18.4		0.08		<0.001	0.16	0.01	0.05	0.6	1.3	<0.01	8.53	0.16	0.44	<0.05	<0.1	1.98

Comments: Niobium not available by TL43-MEPKG. Sample MC 6.1 was not received.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



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 Account: DAYJAC

Project: Kirrkimbie Project

**CERTIFICATE OF ANALYSIS AD15107026**

Sample Description	Method Analyte Units LOR	ME-ICP43	ME-ICP43	ME-ICP43	ME-ICP43	ME-ICP43	ME-ICP43	ME-ICP43	ME-ICP43	ME-ICP43	ME-ICP43	ME-ICP43	ME-ICP43	ME-ICP43	ME-ICP43	
		As	B	Ba	Be	Ca	Cd	Ce	Co	Cr	Cu	Ga	Fe	K	La	Mg
		ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	%
		0.5	1	1	0.1	0.01	0.2	1	0.5	1	0.2	1	0.01	0.01	1	0.01
MC 1.1		0.8	<1	192	0.7	0.50	<0.2	60	15.5	22	12.4	4	1.95	0.08	21	0.36
MC 1.2		0.6	<1	190	0.6	0.48	<0.2	59	15.1	21	11.6	4	1.84	0.08	21	0.36
MC 1.3		<0.5	<1	192	0.6	0.33	<0.2	62	16.5	20	11.4	4	1.71	0.09	22	0.27
MC 1.4		0.5	<1	184	0.7	0.35	<0.2	60	15.4	21	12.0	4	1.83	0.09	22	0.28
MC 1.5		0.6	<1	197	0.6	0.35	<0.2	60	15.7	20	11.3	4	1.73	0.09	21	0.27
MC 1.6		<0.5	<1	191	0.6	0.35	<0.2	58	15.1	21	11.6	4	1.84	0.09	20	0.28
MC 2.1		0.5	<1	191	0.7	0.35	<0.2	58	14.9	21	11.7	5	1.85	0.08	21	0.28
MC 2.2		<0.5	<1	189	0.6	0.32	<0.2	59	15.4	21	11.8	4	1.88	0.10	21	0.26
MC 2.3		1.0	<1	204	0.7	0.34	<0.2	60	15.6	22	12.0	5	1.89	0.12	22	0.28
MC 2.4		0.6	<1	194	0.7	0.35	<0.2	60	15.9	22	11.9	4	1.89	0.10	22	0.27
MC 2.5		1.6	<1	356	0.6	0.33	<0.2	57	14.4	21	11.5	4	1.92	0.08	23	0.26
MC 2.6		<0.5	<1	922	0.7	0.31	<0.2	51	13.6	24	12.3	5	2.22	0.09	25	0.27
MC 3.1		<0.5	<1	209	0.7	0.35	<0.2	60	15.4	24	12.9	5	2.06	0.09	22	0.28
MC 3.2		<0.5	<1	212	0.6	0.33	<0.2	58	15.4	22	11.8	5	1.92	0.09	21	0.27
MC 3.3		0.5	<1	186	0.6	0.33	<0.2	54	14.2	22	11.9	5	1.94	0.08	20	0.27
MC 3.4		0.5	<1	199	0.7	0.33	<0.2	58	15.1	22	12.1	5	1.94	0.11	21	0.27
MC 3.5		0.9	<1	216	0.6	0.31	<0.2	60	15.9	22	11.8	5	1.94	0.09	21	0.27
MC 3.6		<0.5	<1	195	0.7	0.34	<0.2	60	15.4	22	11.7	4	1.87	0.08	21	0.26
MC 4.1		1.2	<1	210	0.7	0.39	<0.2	59	14.8	22	12.4	5	2.00	0.10	23	0.30
MC 4.2		<0.5	<1	203	0.7	0.37	<0.2	58	15.1	23	13.0	5	2.11	0.09	22	0.30
MC 4.3		0.5	<1	208	0.7	0.37	<0.2	61	16.3	25	13.7	5	2.22	0.10	23	0.31
MC 4.4		<0.5	<1	197	0.7	0.35	<0.2	60	16.0	23	12.7	5	2.02	0.10	23	0.29
MC 4.5		0.7	<1	214	0.7	0.39	<0.2	58	15.2	23	16.6	5	2.08	0.10	23	0.30
MC 4.6		0.6	<1	217	0.7	0.38	<0.2	58	15.0	22	12.7	5	1.98	0.08	22	0.28
MC 5.1		<0.5	<1	175	0.6	0.33	<0.2	56	14.1	20	11.1	4	1.74	0.09	20	0.27
MC 5.2		0.6	<1	185	0.7	0.36	<0.2	57	14.7	23	12.6	5	2.02	0.10	21	0.32
MC 5.3		<0.5	<1	194	0.7	0.37	<0.2	59	15.4	23	12.6	5	1.98	0.10	22	0.32
MC 5.4		1.2	<1	195	0.6	0.34	<0.2	58	15.4	20	11.6	4	1.79	0.10	22	0.30
MC 5.5		0.5	<1	183	0.7	0.34	<0.2	58	14.9	22	11.8	4	1.88	0.10	21	0.29
MC 5.6		<0.5	<1	178	0.7	0.33	<0.2	56	14.4	23	12.3	5	2.02	0.10	21	0.29
MC 6.1																
MC 6.2		0.7	<1	214	0.9	0.45	<0.2	58	14.2	27	15.2	6	2.46	0.14	24	0.41
MC 6.3		0.6	<1	216	0.8	0.43	<0.2	56	14.4	27	15.0	6	2.49	0.13	24	0.40
MC 6.4		0.7	<1	212	0.8	0.45	<0.2	58	13.3	25	14.0	6	2.20	0.13	25	0.38
MC 6.5		0.6	<1	233	0.9	0.49	<0.2	61	15.8	30	16.6	7	2.69	0.12	25	0.40
MC 6.6		0.8	<1	222	0.8	0.49	<0.2	57	13.9	25	14.3	6	2.33	0.12	24	0.36
DL 18.1		<0.5	<1	207	0.8	0.39	<0.2	56	13.9	26	14.5	6	2.31	0.11	22	0.32
DL 18.2		1.5	<1	197	0.8	0.34	<0.2	56	14.8	25	13.7	6	2.28	0.13	23	0.32
DL 18.3		1.3	<1	191	0.7	0.36	<0.2	55	14.1	22	12.5	5	1.95	0.10	21	0.28
DL 18.4		0.9	<1	198	0.7	0.38	<0.2	55	13.1	23	12.8	5	2.01	0.10	22	0.29

Comments: Niobium not available by TL43-MEPKG. Sample MC 6.1 was not received.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



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Project: Kirrimbie Project

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Sample Description	Method Analyte Units LOR	ME-ICP43	ME-ICP43	ME-ICP43	ME-ICP43	ME-ICP43	ME-ICP43	ME-ICP43	ME-ICP43	ME-ICP43	ME-ICP43	ME-ICP43	
		Mn	Mo	Na	Ni	P	Pb	S	Sc	Sr	Ti	V	Zn
		ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		1	0.5	0.01	0.5	10	0.5	0.01	0.1	1	0.01	0.5	1
MC 1.1		672	<0.5	0.02	9.9	30	14.7	0.01	5.8	31	<0.01	44.4	12
MC 1.2		672	<0.5	0.02	9.5	20	14.4	0.01	5.6	30	<0.01	42.7	12
MC 1.3		745	<0.5	0.02	9.4	30	15.2	0.01	5.2	26	<0.01	42.5	12
MC 1.4		650	<0.5	0.02	9.8	30	15.4	0.01	5.5	27	<0.01	43.6	12
MC 1.5		684	<0.5	0.02	9.2	30	14.3	0.01	5.2	27	<0.01	42.6	11
MC 1.6		661	<0.5	0.02	9.8	20	14.3	0.01	5.4	27	<0.01	42.5	12
MC 2.1		651	<0.5	0.02	9.7	20	14.6	0.01	5.6	27	<0.01	43.6	12
MC 2.2		685	<0.5	0.01	9.9	30	14.5	0.01	5.4	25	<0.01	43.2	12
MC 2.3		717	<0.5	0.02	9.8	40	14.4	0.01	5.6	27	<0.01	44.4	13
MC 2.4		694	<0.5	0.02	9.9	30	14.7	0.01	5.6	27	<0.01	44.8	13
MC 2.5		670	<0.5	0.02	9.8	30	13.9	0.01	5.3	26	<0.01	45.0	12
MC 2.6		586	<0.5	0.01	10.6	40	14.0	0.03	5.8	40	<0.01	51.2	13
MC 3.1		667	<0.5	0.02	10.2	30	15.1	0.01	6.2	26	<0.01	47.5	13
MC 3.2		699	<0.5	0.01	10.2	30	15.3	0.01	5.8	26	<0.01	43.9	13
MC 3.3		604	<0.5	0.01	9.8	30	13.7	0.01	5.9	26	<0.01	42.5	13
MC 3.4		688	<0.5	0.01	10.1	50	14.8	0.01	5.8	26	<0.01	44.1	15
MC 3.5		787	<0.5	0.01	10.6	40	14.2	0.01	5.7	25	<0.01	45.0	13
MC 3.6		684	<0.5	0.01	9.7	30	14.8	0.01	5.6	25	<0.01	45.8	13
MC 4.1		678	<0.5	0.02	10.2	30	15.2	0.01	6.2	29	<0.01	46.0	15
MC 4.2		670	<0.5	0.01	10.8	30	15.1	0.01	6.6	28	<0.01	45.5	15
MC 4.3		718	<0.5	0.02	11.3	30	16.1	0.01	6.8	28	<0.01	48.8	15
MC 4.4		698	<0.5	0.01	10.4	40	15.4	0.01	6.1	27	<0.01	46.0	14
MC 4.5		676	<0.5	0.01	10.4	40	15.7	0.01	6.4	29	<0.01	47.0	16
MC 4.6		705	<0.5	0.01	10.1	40	14.7	0.01	6.1	29	<0.01	46.0	15
MC 5.1		633	<0.5	0.01	9.3	30	14.4	0.01	5.2	25	<0.01	41.2	12
MC 5.2		652	<0.5	0.02	10.4	20	15.2	0.01	6.0	27	<0.01	42.9	14
MC 5.3		661	<0.5	0.02	10.6	30	14.4	0.01	6.0	28	<0.01	43.8	14
MC 5.4		673	<0.5	0.02	10.0	30	14.9	0.01	5.5	26	<0.01	41.3	13
MC 5.5		662	<0.5	0.02	10.0	30	14.2	0.01	5.7	26	<0.01	43.1	13
MC 5.6		630	<0.5	0.01	10.5	30	14.4	0.01	6.0	26	<0.01	43.0	14
MC 6.1													
MC 6.2		615	<0.5	0.02	12.2	60	16.1	0.01	7.5	35	<0.01	46.8	20
MC 6.3		630	<0.5	0.02	11.9	50	15.5	0.01	7.5	34	<0.01	48.2	19
MC 6.4		579	<0.5	0.01	11.1	60	15.9	0.01	6.7	34	<0.01	45.1	19
MC 6.5		730	<0.5	0.02	13.2	50	17.3	0.01	8.2	37	<0.01	52.7	21
MC 6.6		612	<0.5	0.01	11.9	50	15.9	0.01	7.1	36	<0.01	47.8	19
DL 18.1		616	<0.5	0.02	11.1	30	15.2	0.01	7.0	31	<0.01	43.9	16
DL 18.2		626	<0.5	0.02	11.1	40	15.4	0.01	6.8	29	<0.01	43.5	17
DL 18.3		621	<0.5	0.02	9.9	30	14.0	0.01	5.9	28	<0.01	41.3	14
DL 18.4		608	<0.5	0.02	10.0	30	14.3	0.01	6.0	30	<0.01	42.7	15

Comments: Niobium not available by TL43-MEPKG. Sample MC 6.1 was not received.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

