



Australian Laboratory Services Pty. Ltd.
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CERTIFICATE BR11202351

Project: compass creek

P.O. No.: 278754

This report is for 51 Rock samples submitted to our lab in Brisbane, QLD, Australia on 6-OCT-2011.

The following have access to data associated with this certificate:

JIM MCGREGOR-DAWSON

LEE SPENCER

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP61	33 element four acid ICP-AES	ICP-AES
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
ME-XRF05	Trace Level XRF Analysis	XRF
Au-AA26	Ore Grade Au 50g FA AA finish	AAS

To: ISMINS PTY LTD
ATTN: JIM MCGREGOR-DAWSON
LEVEL 26
44 MARKET STREET
SYDNEY NSW 2000

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.

Signature:

Shaun Kenny, Brisbane Laboratory Manager



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CERTIFICATE OF ANALYSIS BR11202351

Sample Description	Method Analyte Units LOR	WEI - 21 Recvd Wt. kg 0.02	PUL - QC Pass75um % 0.01	Au - AA26 Au ppm 0.01	ME - ICP61 Ag ppm 0.5	ME - ICP61 Al % 0.01	ME - ICP61 As ppm 5	ME - ICP61 Ba ppm 10	ME - ICP61 Be ppm 0.5	ME - ICP61 Bi ppm 2	ME - ICP61 Ca % 0.01	ME - ICP61 Cd ppm 0.5	ME - ICP61 Co ppm 1	ME - ICP61 Cr ppm 1	ME - ICP61 Cu ppm 1	ME - ICP61 Fe % 0.01
104545		1.61		0.11	<0.5	2.36	310	290	2.3	69	0.04	<0.5	23	184	167	17.15
104546		1.27		0.11	<0.5	3.20	1580	440	4.8	90	0.07	0.6	35	51	405	20.0
104547		0.90		0.06	<0.5	3.25	190	340	3.1	20	0.06	<0.5	10	649	178	21.2
104548		0.83		0.09	<0.5	1.50	200	340	1.6	14	0.07	<0.5	10	69	91	9.16
104549		0.71		0.22	<0.5	1.14	588	650	2.3	18	0.09	<0.5	5	16	88	13.05
104550		0.96		1.00	<0.5	1.62	151	370	2.1	22	0.07	<0.5	10	16	61	15.55
645901		1.47		0.02	2.1	4.92	1560	180	2.3	24	0.06	<0.5	15	50	96	16.40
645902		0.68		0.03	2.3	3.88	1070	200	1.7	9	0.05	<0.5	9	46	89	12.60
645903		0.69		0.03	<0.5	5.40	2000	570	2.6	41	0.04	<0.5	3	30	118	8.81
645904		0.94		0.06	2.2	3.40	1840	220	2.2	25	0.05	0.5	21	93	132	19.60
645905		0.88		0.09	2.1	4.53	1430	560	3.6	3	0.07	0.5	104	40	266	22.7
645906		0.80		0.20	1.1	4.78	3090	220	2.9	6	0.07	<0.5	5	65	166	23.7
645907		0.94		0.05	<0.5	2.78	251	520	1.8	16	0.03	<0.5	5	23	110	14.45
645908		0.75		0.13	0.6	1.94	401	380	2.7	69	0.03	<0.5	11	19	194	17.55
645909		1.08		0.15	<0.5	2.41	293	470	3.1	22	0.07	<0.5	13	31	146	17.20
645910		0.80		0.03	<0.5	2.54	218	280	2.0	14	0.06	<0.5	14	112	90	9.52
645911		0.99		0.80	<0.5	2.97	1120	610	6.0	105	0.03	0.6	64	21	254	22.5
645912		0.65		0.01	<0.5	6.24	491	650	2.5	<2	0.03	<0.5	14	121	348	6.01
645913		1.03		0.02	<0.5	5.24	2370	420	2.1	15	0.05	<0.5	6	81	131	12.30
645914		0.81		0.06	0.6	6.27	2050	450	2.3	18	0.03	<0.5	8	67	82	9.17
645915		1.06		0.02	<0.5	4.81	2730	240	2.6	136	0.03	<0.5	7	271	316	14.00
645916		0.76		0.06	<0.5	4.15	7450	280	2.9	41	0.04	1.0	20	1245	1640	19.15
645917		0.59		0.03	<0.5	3.90	349	250	1.4	44	0.03	<0.5	5	65	41	9.68
645918		0.77		0.01	<0.5	3.42	126	270	1.2	19	0.04	<0.5	1	124	488	22.8
645919		0.69		0.02	<0.5	4.69	668	400	3.0	45	0.04	<0.5	7	106	481	24.1
645920		0.71	99.0	0.04	<0.5	3.09	530	340	2.2	29	0.04	<0.5	2	198	597	26.9
645921		0.77		0.09	<0.5	3.48	87	170	1.5	5	0.03	<0.5	<1	139	390	24.4
645922		0.72		0.10	<0.5	3.70	759	270	1.9	4	0.05	1.1	2	116	268	22.6
645923		0.64		0.01	<0.5	3.43	465	210	1.6	25	0.03	<0.5	6	44	171	38.6
645924		0.70		0.02	<0.5	3.35	207	190	1.6	61	0.03	<0.5	12	30	43	15.75
645925		0.82		0.02	1.0	4.04	1200	250	3.6	18	0.05	<0.5	13	48	237	30.4
645926		0.83		0.03	1.0	5.31	865	450	1.6	25	0.03	<0.5	2	46	80	5.23
645927		0.76		0.16	4.9	5.98	5890	430	2.1	171	0.04	<0.5	7	225	489	9.39
645928		0.77		0.09	<0.5	3.54	1000	230	4.0	61	0.02	<0.5	11	34	263	23.4
645929		0.81		0.25	<0.5	5.24	6020	340	1.8	22	0.05	1.4	3	28	67	7.07
645930		0.59		0.29	0.6	4.87	1430	400	1.7	29	0.02	<0.5	3	37	168	8.96
645931		0.76		0.23	<0.5	4.29	1120	350	1.9	26	0.02	0.5	12	33	86	8.52
645932		0.59		0.07	0.9	5.04	5200	390	2.3	86	0.02	1.5	14	1375	749	19.00
645933		0.73		0.05	0.9	2.84	4060	450	6.2	813	0.08	<0.5	64	31	1530	38.7
645934		0.70		0.01	1.1	4.08	1470	510	1.9	37	0.03	<0.5	2	28	116	10.45



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		Ga	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th
		ppm 10	% 0.01	ppm 10	% 0.01	ppm 5	ppm 1	% 0.01	ppm 1	ppm 10	ppm 2	% 0.01	ppm 5	ppm 1	ppm 1	ppm 20
104545		10	0.41	30	0.13	186	3	0.05	20	1090	33	0.05	<5	8	77	<20
104546		10	0.65	70	0.40	210	6	0.14	30	1490	32	0.11	7	7	185	<20
104547		10	0.51	30	0.38	114	3	0.13	35	1080	34	0.09	<5	16	86	<20
104548		<10	0.11	30	0.08	229	3	0.02	13	690	12	0.04	<5	3	65	<20
104549		10	0.04	40	0.05	204	2	0.02	12	1150	17	0.11	<5	3	90	<20
104550		10	0.12	20	0.04	153	1	0.01	15	1110	14	0.04	<5	3	71	<20
645901		10	0.05	30	1.23	565	3	0.47	38	2480	706	0.04	103	9	150	<20
645902		10	0.13	20	0.87	305	1	0.33	25	2080	479	0.05	33	6	126	<20
645903		20	1.99	40	0.49	120	<1	0.15	14	500	80	0.04	43	9	88	30
645904		10	0.23	50	0.75	1280	5	0.28	39	3000	634	0.04	115	8	128	<20
645905		20	0.17	30	1.01	12350	12	0.38	58	3840	211	0.05	32	7	115	<20
645906		20	0.13	50	1.00	235	7	0.39	30	2920	729	0.08	85	10	201	20
645907		10	0.41	30	0.10	108	4	0.03	12	900	19	0.10	6	4	91	<20
645908		10	0.33	50	0.11	132	7	0.04	27	1220	34	0.08	<5	4	99	<20
645909		10	0.58	30	0.09	233	7	0.02	18	1190	31	0.04	7	7	46	<20
645910		10	0.26	40	0.14	784	2	0.04	22	980	27	0.04	<5	6	79	<20
645911		10	0.84	140	0.15	198	21	0.02	44	1710	85	0.08	11	5	130	<20
645912		10	2.10	60	0.78	143	<1	0.08	31	1170	16	0.01	<5	11	74	20
645913		20	2.30	30	0.33	81	1	0.07	15	800	911	0.04	17	12	32	<20
645914		20	2.31	50	0.61	102	<1	0.19	12	640	338	0.03	34	12	64	<20
645915		10	1.17	40	0.42	113	1	0.13	40	1360	218	0.02	22	11	54	20
645916		10	0.23	60	0.32	141	<1	0.04	210	670	266	0.05	26	28	46	20
645917		10	0.85	40	0.61	77	<1	0.22	9	560	28	0.06	<5	7	102	<20
645918		30	1.41	20	0.18	481	18	0.03	2	800	178	0.11	15	11	13	<20
645919		20	1.65	30	0.23	712	17	0.04	14	1300	124	0.09	12	16	20	20
645920		30	1.08	20	0.16	574	16	0.03	11	1130	208	0.13	18	12	18	20
645921		20	1.35	20	0.19	431	16	0.02	1	1030	209	0.13	8	10	13	<20
645922		30	1.26	30	0.16	475	10	0.02	9	890	310	0.13	16	10	14	<20
645923		10	0.94	10	0.32	77	6	0.12	9	670	55	0.07	8	7	49	<20
645924		10	0.67	30	0.50	181	1	0.19	13	780	51	0.05	<5	5	81	<20
645925		10	0.12	40	0.70	380	4	0.32	36	5120	658	0.09	83	8	240	<20
645926		10	2.24	30	0.47	92	<1	0.13	6	370	1140	0.10	8	10	79	<20
645927		20	1.99	40	0.45	62	<1	0.11	29	1160	>10000	0.26	43	14	72	20
645928		10	0.85	30	0.39	88	8	0.14	57	2170	288	0.03	30	6	66	<20
645929		10	1.22	30	0.67	91	<1	0.31	5	500	1030	0.06	23	7	87	<20
645930		10	1.86	40	0.51	106	<1	0.15	13	440	102	0.06	15	7	73	20
645931		10	1.51	40	0.41	138	<1	0.15	23	950	67	0.02	27	7	75	<20
645932		20	0.10	70	0.05	46	3	0.01	159	1260	4060	0.07	38	33	71	20
645933		10	0.10	30	0.25	192	4	0.11	97	4500	922	0.14	69	5	616	<20
645934		10	1.61	40	0.34	89	<1	0.10	6	1120	227	0.06	19	6	100	20



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Sample Description	Method Analyte Units LOR	ME-ICP61 Ti %	ME-ICP61 Ti ppm	ME-ICP61 U ppm	ME-ICP61 V ppm	ME-ICP61 W ppm	ME-ICP61 Zn ppm	Pb-OG62 Pb %	ME-XRF05 Sn ppm
		0.01	10	10	1	10	2	0.001	5
104545		0.12	<10	<10	111	<10	12		32
104546		0.07	<10	<10	56	<10	21		56
104547		0.20	<10	<10	191	<10	20		56
104548		0.08	<10	<10	42	<10	8		28
104549		0.02	<10	<10	32	10	17		10
104550		0.05	<10	<10	35	10	18		10
645901		0.11	<10	<10	50	<10	96		225
645902		0.09	<10	<10	39	<10	62		5270
645903		0.12	<10	<10	43	<10	20		158
645904		0.11	<10	<10	46	<10	96		1745
645905		0.10	10	<10	56	<10	140		84
645906		0.14	<10	<10	59	<10	69		93
645907		0.06	<10	<10	34	<10	8		56
645908		0.07	<10	<10	32	10	26		31
645909		0.09	<10	<10	45	<10	19		37
645910		0.08	<10	<10	50	<10	18		22
645911		0.10	<10	<10	48	<10	37		12
645912		0.27	10	<10	64	10	100		38
645913		0.17	<10	<10	94	<10	66		57
645914		0.23	<10	<10	86	10	35		56
645915		0.20	<10	<10	79	10	74		20
645916		0.28	<10	<10	232	10	104		9
645917		0.17	<10	<10	48	10	13		33
645918		0.12	<10	<10	163	10	39		9
645919		0.17	<10	<10	153	10	118		<5
645920		0.14	<10	<10	210	10	95		12
645921		0.09	<10	<10	250	10	212		<5
645922		0.14	<10	<10	175	10	171		<5
645923		0.12	<10	<10	84	<10	75		43
645924		0.12	<10	<10	36	10	25		20
645925		0.15	<10	<10	63	<10	214		41
645926		0.19	<10	<10	62	10	28		30
645927		0.21	<10	<10	100	10	41	1.120	50
645928		0.10	<10	<10	147	<10	120		88
645929		0.16	<10	<10	43	10	51		27
645930		0.17	<10	<10	46	<10	29		96
645931		0.16	<10	<10	42	<10	70		15
645932		0.36	<10	<10	206	100	147		8
645933		0.04	<10	<10	37	<10	126		164
645934		0.16	<10	<10	48	<10	24		122



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		0.02	0.01	0.01	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01
645935		0.85		0.13	7.9	3.08	6940	230	2.6	416	0.04	3.6	19	19	984	25.6
645936		0.90		0.13	<0.5	4.99	6140	710	3.7	441	0.06	1.8	60	427	1090	26.4
645937		0.58		<0.01	<0.5	4.61	780	290	1.7	27	0.03	<0.5	8	210	137	6.97
645938		0.74		0.05	<0.5	5.76	1070	520	2.1	49	0.02	<0.5	4	53	88	14.05
645939		0.75		0.05	<0.5	3.86	169	250	4.3	15	0.02	<0.5	8	25	73	10.80
645940		0.75		0.01	<0.5	3.20	569	210	1.7	18	0.07	<0.5	6	28	40	15.65
645941		0.70		0.11	1.2	4.40	4010	400	1.6	49	0.02	<0.5	2	39	159	10.75
645942		0.62		0.06	<0.5	7.30	1120	440	2.3	47	0.03	<0.5	4	56	115	11.05
645943		0.70		0.03	0.5	5.30	477	590	1.3	43	0.05	0.6	11	459	309	26.4
645944		0.54		0.02	<0.5	7.58	2370	730	3.1	35	0.03	<0.5	55	37	205	12.10
645945		0.62		0.04	2.3	4.44	2270	380	1.6	92	0.03	<0.5	1	9	283	6.87



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		Ga	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th
		ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
		10	0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20
645935		10	0.35	10	0.27	128	1	0.12	43	1510	2150	0.09	111	4	130	<20
645936		20	1.40	50	0.23	204	2	0.06	249	3460	83	0.07	36	14	146	<20
645937		10	1.17	40	0.28	160	<1	0.08	47	690	278	0.02	<5	11	44	<20
645938		20	2.38	40	0.42	88	<1	0.12	12	820	93	0.14	5	9	77	20
645939		10	1.36	30	0.29	110	3	0.11	20	1140	77	0.04	7	6	55	<20
645940		10	0.55	160	0.05	108	7	0.02	17	1020	21	0.03	29	5	130	<20
645941		20	1.79	40	0.30	78	<1	0.10	5	540	530	0.05	65	8	41	20
645942		20	2.13	40	0.84	122	1	0.35	14	650	390	0.07	13	11	89	20
645943		20	0.12	40	0.06	102	<1	0.02	59	3130	207	0.08	16	26	139	<20
645944		20	3.27	50	0.52	226	<1	0.14	94	780	328	0.03	28	8	84	30
645945		10	1.46	30	0.37	55	<1	0.12	4	290	547	0.08	7	3	51	20



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CERTIFICATE OF ANALYSIS BR11202351

Sample Description	Method Analyte Units LOR	ME-ICP61 Ti %	ME-ICP61 Ti ppm	ME-ICP61 U ppm	ME-ICP61 V ppm	ME-ICP61 W ppm	ME-ICP61 Zn ppm	Pb-OG62 Pb %	ME-XRF05 Sn ppm
		0.01	10	10	1	10	2	0.001	5
645935		0.07	<10	<10	30	<10	214		1880
645936		0.15	<10	<10	89	10	218		24
645937		0.20	<10	<10	67	10	66		18
645938		0.19	<10	<10	61	10	20		64
645939		0.14	<10	<10	38	<10	63		29
645940		0.09	<10	<10	45	<10	26		<5
645941		0.31	<10	<10	44	10	35		53
645942		0.25	<10	<10	61	<10	59		104
645943		0.26	<10	<10	205	30	101		2580
645944		0.17	<10	<10	51	<10	46		11
645945		0.07	<10	<10	10	<10	15		47