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Finalized Date: 8-JUL-2011  
Account: NUPRES

## CERTIFICATE AS11101340

Project: LUCY CREEK

P.O. No.: GD/2011/2

This report is for 36 Rock samples submitted to our lab in Alice Springs, NT, Australia on 7-JUN-2011.

The following have access to data associated with this certificate:

G DAVEY

WARRICK RAFFERTY

## 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
PUL-QC	Pulverizing QC Test
CRU-21	Crush entire sample >70% -6 mm

## ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-MS62s	Up to 54 elements by ICP-MS	ICP-MS
ME-XRF12p	Phosphates by XRF	XRF
ME-GRA05	H2O/LOI by TGA furnace	TGA
ME-ICP61	33 element four acid ICP-AES	ICP-AES

To: **NUPOWER RESOURCES LTD**  
**ATTN: G DAVEY**  
**GPO BOX 2552**  
**DARWIN NT 0801**

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 AS11101340**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	PUL-QC Pass75um % 0.01	ME-MS62s As ppm 0.2	ME-MS62s Ce ppm 0.01	ME-MS62s Th ppm 0.2	ME-MS62s U ppm 0.1	ME-ICP61 Cd ppm 0.5	ME-ICP61 Ce ppm 50	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 La ppm 10	ME-ICP61 Mn ppm 5	ME-ICP61 Mo ppm 1	ME-ICP61 Ni ppm 1	ME-ICP61 P ppm 10
20169		1.90		12.6	27.4	4.5	37.5	0.5	<50	27	69	10	361	1	65	>10000
20170		2.13		1.3	41.7	6.5	19.3	1.7	<50	26	215	10	791	<1	122	>10000
20171		1.88		10.8	46.7	12.1	4.2	<0.5	<50	20	56	20	218	<1	34	4100
20172		1.63		3.1	83.9	13.7	3.1	<0.5	70	12	16	30	88	<1	12	640
20173		1.32		0.5	44.9	8.3	2.0	<0.5	<50	9	11	20	134	<1	7	260
20174		1.25		2.7	81.9	14.6	4.0	<0.5	70	36	31	30	667	<1	60	290
20175		1.93		17.8	36.1	10.1	21.1	<0.5	<50	36	151	10	232	<1	17	4050
20176		2.19		32.2	90.2	7.9	35.4	<0.5	80	61	22	30	558	<1	17	8530
20177		2.10		4.2	36.1	5.8	38.2	<0.5	<50	52	27	10	102	<1	4	>10000
20178		1.97		4.2	54.7	9.4	52.5	<0.5	<50	31	42	10	115	<1	5	>10000
20179		1.48		5.4	40.1	3.4	124.0	<0.5	<50	60	1080	<10	93	<1	2	>10000
20180		1.64		0.2	25.0	3.6	38.0	<0.5	<50	28	143	<10	165	<1	4	>10000
20181		2.19		21.8	57.8	7.0	32.8	<0.5	50	49	2110	20	116	<1	3	>10000
20182		1.49		8.9	44.6	6.8	18.9	<0.5	<50	29	50	20	190	<1	16	8760
20183		1.75		<0.2	23.9	4.9	3.5	<0.5	<50	17	26	10	122	1	4	1070
20184		1.05		1.4	35.2	4.2	13.4	<0.5	<50	21	16	10	136	<1	3	>10000
20185		1.30		0.2	47.4	8.3	3.9	<0.5	<50	15	9	20	93	<1	5	4170
20186		1.61	85.3	1.6	35.2	3.3	12.8	<0.5	<50	14	23	10	70	<1	1	>10000
20187		1.50		6.6	64.7	12.0	15.9	<0.5	60	166	125	20	100	<1	11	2060
20188		2.35		17.6	39.4	5.2	20.2	<0.5	<50	22	77	10	154	1	14	>10000
20189		1.83		13.6	98.4	16.0	19.5	<0.5	90	99	80	30	113	<1	24	2860
20190		1.92		38.6	98.2	12.3	39.2	<0.5	80	144	139	30	393	<1	24	6480
20191		1.50		<0.2	51.8	8.9	11.7	<0.5	50	18	25	20	77	<1	7	>10000
20192		1.28		0.9	131.0	8.0	41.9	<0.5	110	35	26	60	181	<1	5	3170
20193		1.16		1.6	52.9	14.4	5.0	<0.5	<50	19	12	20	61	<1	4	500
20194		1.20		0.8	52.1	9.5	46.1	<0.5	<50	26	22	20	292	<1	6	>10000
20195		1.30		<0.2	72.1	12.5	4.9	<0.5	60	17	6	30	34	<1	6	3330
20196		1.30		17.6	20.6	2.8	137.0	0.5	<50	97	315	10	1295	2	160	7840
20197		1.54		3.3	9.64	1.4	21.6	<0.5	<50	27	113	<10	437	1	22	>10000
20198		2.04		6.7	42.9	6.1	29.5	<0.5	<50	56	63	20	269	1	31	8510
20199		1.84		39.8	11.60	2.6	22.6	<0.5	<50	81	64	<10	190	3	24	6130
20200		1.86		52.1	15.65	2.4	48.2	0.6	<50	151	192	10	371	8	80	8200
20301		2.13		4.3	5.50	0.9	4.4	<0.5	<50	14	47	<10	307	3	10	950
20302		2.00		20.2	126.5	4.9	43.7	<0.5	110	101	166	80	191	2	97	6190
20303		1.69		3.3	52.0	7.6	20.5	<0.5	50	43	39	30	119	1	15	>10000
20304		1.33		10.9	73.3	13.3	4.6	1.4	70	42	27	30	881	<1	35	1080



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Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-XRF12p	ME-XRF12p	ME-XRF12p	ME-XRF12p	ME-XRF12p	ME-XRF12p	ME-XRF12p	ME-XRF12p	ME-XRF12p	ME-XRF12p
		Pb	S	Sr	U	Zn	Al2O3	CaO	Fe2O3	K2O	MgO	MnO2	Na2O	P2O5	SiO2	TiO2
		ppm 2	% 0.01	ppm 1	ppm 10	ppm 2	% 0.01	% 0.01	% 0.01	% 0.01	% 0.01	% 0.01	% 0.01	% 0.01	% 0.01	% 0.01
20169		10	0.06	174	30	494	11.80	1.40	14.00	0.18	0.23	0.06	1.52	11.95	49.7	0.15
20170		43	0.18	83	50	481	3.67	30.5	14.85	0.42	0.28	0.15	0.06	23.4	19.95	0.20
20171		8	0.05	41	<10	132										
20172		10	0.01	52	<10	13										
20173		5	0.01	35	<10	18										
20174		11	0.01	47	<10	172										
20175		6	0.03	39	20	104										
20176		11	0.15	689	30	87										
20177		9	0.05	254	30	60	17.65	1.00	3.34	0.19	0.05	0.02	0.21	19.15	47.1	0.27
20178		19	0.13	637	40	58	20.1	4.03	2.58	0.21	0.13	0.02	0.90	15.55	45.5	0.33
20179		20	0.20	986	100	346	29.7	7.77	1.49	0.17	0.16	0.01	0.45	26.6	13.05	0.11
20180		7	0.24	653	30	76	21.7	4.76	0.79	0.25	0.11	0.03	0.45	18.45	39.0	0.22
20181		8	0.08	909	20	679	11.35	1.70	1.42	0.36	0.24	0.02	0.17	7.78	70.9	0.29
20182		11	0.25	202	20	76										
20183		8	0.11	122	<10	9										
20184		16	1.56	1145	10	22	13.15	4.06	3.02	0.36	0.08	0.02	0.11	8.09	60.5	0.15
20185		7	0.07	262	<10	15										
20186		7	4.88	1190	<10	10	17.90	2.39	0.58	2.77	0.10	0.01	0.42	5.36	50.9	0.13
20187		25	0.07	114	10	64										
20188		14	0.43	898	10	47	12.35	3.76	6.69	0.30	0.16	0.02	0.06	8.88	59.6	0.19
20189		31	0.04	108	20	80										
20190		48	0.07	203	30	100										
20191		8	0.03	511	10	49	7.14	1.56	1.31	0.58	0.33	0.01	0.04	3.37	82.0	0.31
20192		18	0.07	861	30	18										
20193		6	0.02	35	<10	7										
20194		28	0.07	924	30	27	8.46	1.90	0.84	0.40	0.14	0.05	0.04	4.64	79.0	0.29
20195		21	0.03	616	<10	12										
20196		5	0.07	102	140	707										
20197		12	0.09	1165	20	85	5.82	2.04	7.47	0.10	0.19	0.07	0.01	4.43	74.9	0.05
20198		66	0.08	1010	20	127										
20199		61	0.04	224	30	194										
20200		113	0.06	259	50	299										
20301		8	0.05	62	10	50										
20302		18	0.08	277	40	217										
20303		17	0.08	1685	10	32	8.38	1.82	1.72	0.94	0.50	0.02	0.07	3.63	78.4	0.32
20304		12	0.04	147	<10	73										



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Sample Description	Method Analyte Units LOR	ME-XRF12p	ME-GRA05
		Total	LOI
		%	%
		0.01	0.01
20169		99.10	7.84
20170		97.83	3.81
20171			
20172			
20173			
20174			
20175			
20176			
20177		100.50	11.27
20178		100.05	10.06
20179		98.64	18.23
20180		99.00	12.53
20181		100.20	5.22
20182			
20183			
20184		102.65	9.02
20185			
20186		>110.0	18.89
20187			
20188		100.10	6.83
20189			
20190			
20191		100.25	3.39
20192			
20193			
20194		99.91	3.81
20195			
20196			
20197		99.42	3.91
20198			
20199			
20200			
20301			
20302			
20303		99.91	3.71
20304			