



Australian Laboratory Services Pty. Ltd.
32 Shand Street
Stafford
Brisbane QLD 4053
Phone: +61 (7) 3243 7222 Fax: +61 (7) 3243 7218
www.alsglobal.com

Page: 1
Finalized Date: 25-JUL-2013
Account: PRORES

CERTIFICATE AS13128963

Project: LINDERMANS BORE LBD4

P.O. No.:

This report is for 70 Drill Core samples submitted to our lab in Alice Springs, NT, Australia on 16-JUL-2013.

The following have access to data associated with this certificate:

DAN HAMPTON

ASHLEY HOOD

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LEV-01	Waste Disposal Levy
PUL-22	Pulverizing 3kg sample in LM5
HOM-01	Homogenize by light pulverizing
LOG-22	Sample login - Rcd w/o BarCode
CRU-21	Crush entire sample >70% -6 mm
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
PGM-ICP23	Pt, Pd, Au 30g FA ICP	ICP-AES
ME-ICP61	33 element four acid ICP-AES	ICP-AES

To: PROTO RESOURCES AND INVESTMENTS LTD
ATTN: ASHLEY HOOD
SUITE 1906 LEVEL 19
109 PITT 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.

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

Signature:

Cameron Brosnan, Laboratory Manager, Perth



Australian Laboratory Services Pty. Ltd.
32 Shand Street
Stafford
Brisbane QLD 4053
Phone: +61 (7) 3243 7222 Fax: +61 (7) 3243 7218
www.alsglobal.com

Page: 2 - A
Total # Pages: 3 (A)
Plus Appendix Pages
Finalized Date: 25-JUL-2013
Account: PRORES

Project: LINDERMANS BORE LBD4

CERTIFICATE OF ANALYSIS AS13128963

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	PUL-QC Pass75um % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Ni ppm 1	ME-ICP61 Pb ppm 2	ME-ICP61 Sc ppm 1	ME-ICP61 U ppm 10	ME-ICP61 Zn ppm 2	PGM-ICP23 Au ppm 0.001	PGM-ICP23 Pt ppm 0.005	PGM-ICP23 Pd ppm 0.001
LBD4-1		3.40		10	<1	11	4	4	18	2	<10	<2	0.003	<0.005	<0.001
LBD4-2		1.93		9	<1	7	4	3	5	1	<10	<2	0.001	<0.005	<0.001
LBD4-3		2.12		14	1	6	19	6	2	1	<10	<2	0.015	<0.005	<0.001
LBD4-4		1.88		14	<1	9	3	3	<2	1	<10	<2	0.007	<0.005	0.001
LBD4-5		1.78		12	<1	8	5	3	2	1	<10	<2	<0.001	<0.005	<0.001
LBD4-6		1.59		10	<1	8	4	1	6	1	<10	<2	<0.001	<0.005	0.001
LBD4-7		1.86		9	<1	8	5	4	4	1	<10	<2	<0.001	<0.005	<0.001
LBD4-8		1.94		16	<1	11	3	4	5	2	<10	<2	<0.001	<0.005	<0.001
LBD4-9		1.68		12	<1	9	4	5	3	1	<10	<2	<0.001	<0.005	<0.001
LBD4-10		1.67	98.9	17	<1	11	5	4	8	1	<10	<2	0.001	<0.005	<0.001
LBD4-11		2.03		6	1	9	9	5	6	1	<10	<2	0.006	<0.005	<0.001
LBD4-12		2.21		8	<1	13	5	2	4	1	<10	<2	<0.001	<0.005	<0.001
LBD4-13		0.82		6	1	16	6	4	8	1	<10	<2	0.004	<0.005	<0.001
LBD4-14		2.05		<5	2	8	6	2	6	1	<10	<2	0.001	<0.005	<0.001
LBD4-15		2.27		<5	4	10	2	9	14	1	<10	5	0.029	<0.005	<0.001
LBD4-16		1.71		8	1	6	2	10	22	1	<10	10	0.012	<0.005	<0.001
LBD4-17		2.42		6	1	4	2	7	33	1	<10	12	0.006	<0.005	0.001
LBD4-18		2.57		<5	1	4	1	7	14	1	<10	7	0.004	<0.005	0.001
LBD4-19		1.62		<5	<1	3	1	12	13	1	<10	4	0.002	<0.005	<0.001
LBD4-20		2.83		8	6	42	2	17	30	11	<10	47	0.007	<0.005	<0.001
LBD4-21		1.99		7	7	37	2	21	31	12	<10	47	0.001	<0.005	<0.001
LBD4-22		2.29		<5	6	40	2	20	35	13	<10	46	0.002	<0.005	0.001
LBD4-23		1.80		8	7	42	2	20	38	14	<10	46	0.002	<0.005	0.001
LBD4-24		1.56		5	6	35	2	14	22	11	<10	33	0.005	<0.005	<0.001
LBD4-25		1.61		9	12	38	13	27	36	12	<10	93	<0.001	<0.005	<0.001
LBD4-26		2.62		24	14	34	2	22	22	13	<10	64	0.001	<0.005	0.001
LBD4-27		1.74		6	11	43	10	25	22	12	10	76	0.001	<0.005	<0.001
LBD4-28		3.38		<5	10	41	2	18	21	13	<10	70	0.021	<0.005	0.001
LBD4-29		2.35		18	19	133	40	25	44	15	<10	92	0.001	<0.005	<0.001
LBD4-30		2.06		18	29	171	53	39	14	18	<10	130	0.009	<0.005	<0.001
LBD4-31		2.42		437	30	195	14	44	23	14	<10	109	0.003	<0.005	<0.001
LBD4-32		3.21		<5	24	145	85	27	10	17	<10	109	0.001	<0.005	0.001
LBD4-33		2.25		19	20	160	55	25	39	17	<10	169	0.001	<0.005	<0.001
LBD4-34		2.49		22	17	136	39	24	19	15	<10	93	0.001	<0.005	<0.001
LBD4-35		3.15		16	20	155	63	26	23	16	<10	98	0.001	<0.005	<0.001
LBD4-36		2.53		11	26	148	85	33	39	18	<10	143	0.001	<0.005	<0.001
LBD4-37		0.79		16	41	255	11	77	28	33	10	236	0.007	<0.005	0.002
LBD4-38		0.72		15	40	293	14	115	15	21	<10	213	0.002	0.007	0.003
LBD4-39		2.01		<5	25	120	20	33	24	15	<10	134	0.003	<0.005	<0.001
LBD4-40		2.82		7	23	159	17	29	12	20	<10	117	0.002	<0.005	<0.001



Australian Laboratory Services Pty. Ltd.
32 Shand Street
Stafford
Brisbane QLD 4053
Phone: +61 (7) 3243 7222 Fax: +61 (7) 3243 7218
www.alsglobal.com

Page: 3 - A
Total # Pages: 3 (A)
Plus Appendix Pages
Finalized Date: 25-JUL-2013
Account: PRORES

Project: LINDERMANS BORE LBD4

CERTIFICATE OF ANALYSIS AS13128963

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	PUL-QC Pass75um % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Ni ppm 1	ME-ICP61 Pb ppm 2	ME-ICP61 Sc ppm 1	ME-ICP61 U ppm 10	ME-ICP61 Zn ppm 2	PGM-ICP23 Au ppm 0.001	PGM-ICP23 Pt ppm 0.005	PGM-ICP23 Pd ppm 0.001
LBD4-41		0.80		18	25	161	16	35	9	17	<10	145	0.005	<0.005	0.003
LBD4-42		2.19		11	26	161	66	38	10	19	<10	99	0.001	<0.005	<0.001
LBD4-43		2.27		20	27	158	101	36	14	18	<10	107	0.001	<0.005	<0.001
LBD4-44		2.32		26	20	152	252	26	36	17	<10	98	<0.001	<0.005	<0.001
LBD4-45		1.60		15	25	167	189	31	7	17	<10	91	<0.001	<0.005	<0.001
LBD4-46		1.92		33	40	205	70	62	8	22	<10	101	0.001	<0.005	<0.001
LBD4-47		2.16		52	86	398	52	219	16	35	<10	138	0.003	<0.005	<0.001
LBD4-48		1.32		97	112	561	50	278	11	42	<10	179	0.004	<0.005	<0.001
LBD4-49		2.23		19	92	385	118	248	19	33	<10	190	0.001	<0.005	<0.001
LBD4-50		2.43	96.9	27	83	363	87	220	12	32	<10	138	0.001	<0.005	<0.001
LBD4-51		1.98		23	78	333	120	235	10	31	<10	139	0.001	0.005	<0.001
LBD4-52		2.66		15	80	454	104	283	17	34	<10	198	0.001	<0.005	<0.001
LBD4-53		1.41		17	52	270	83	216	4	20	<10	118	0.005	<0.005	<0.001
LBD4-54		2.04		11	66	331	71	246	3	26	<10	113	0.002	<0.005	<0.001
LBD4-55		3.65		17	61	288	109	278	<2	22	<10	109	0.010	<0.005	<0.001
LBD4-56		2.36		41	56	282	67	237	32	24	<10	248	0.002	<0.005	<0.001
LBD4-57		2.37		24	64	307	59	228	9	25	<10	114	0.002	<0.005	<0.001
LBD4-58		2.33		43	59	302	110	232	4	23	<10	117	0.002	<0.005	<0.001
LBD4-59		1.74		132	72	366	84	251	425	28	<10	1160	0.009	<0.005	<0.001
LBD4-60		2.00		11	29	124	35	56	63	11	10	135	0.002	<0.005	<0.001
LBD4-61		2.77		7	56	227	97	137	49	29	<10	211	0.001	<0.005	<0.001
LBD4-62		2.43		5	67	301	100	138	36	33	<10	237	0.001	<0.005	<0.001
LBD4-63		1.91		6	76	388	67	157	12	37	<10	234	0.001	<0.005	<0.001
LBD4-64		2.17		6	71	430	40	200	22	35	<10	289	0.001	<0.005	<0.001
LBD4-65		2.42		20	65	280	114	193	102	21	<10	388	0.001	<0.005	<0.001
LBD4-66		2.25		38	67	281	115	205	336	21	<10	584	<0.001	<0.005	<0.001
LBD4-67		2.09		83	47	247	85	104	118	18	<10	476	0.003	<0.005	<0.001
LBD4-68		2.08		55	55	170	89	130	14	20	<10	89	0.001	<0.005	0.001
LBD4-69		2.24		46	81	259	60	160	20	29	<10	169	0.001	<0.005	<0.001
LBD4-70		2.12		24	79	243	112	130	7	31	<10	158	0.001	<0.005	<0.001



Australian Laboratory Services Pty. Ltd.
32 Shand Street
Stafford
Brisbane QLD 4053
Phone: +61 (7) 3243 7222 Fax: +61 (7) 3243 7218
www.alsglobal.com

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 25-JUL-2013
Account: PRORES

Project: LINDERMANS BORE LBD4

CERTIFICATE OF ANALYSIS AS13128963

	CERTIFICATE COMMENTS
	<p style="text-align: center;">LABORATORY ADDRESSES</p> <p>Processed at ALS Perth located at 32 Oxleigh Drive, Malaga, Perth, WA, Australia.</p> <p>Applies to Method: ME-ICP61 PGM-ICP23</p> <p>Processed at ALS Alice Springs located at 13 Price Street, Alice Springs, NT, Australia.</p> <p>Applies to Method: CRU-21 HOM-01 LEV-01 LOG-22 PUL-22 PUL-QC WEI-21</p>