043

BOREHOLE SURVEY LOG

DRILL HOLE N°: DD84 LR6 LOCALITY: LYONS RIVER, PINNER GRID N.W. Tas. DATE COMMENCED: 1 April 84 DATE COMPLETED: 25 April 84

Survey Depth	Interval	Magnetic Azimuth	Chord Length	Dip	Grid Azimuth	Northing	Easting	Reduced Level	Camera	Core Size	Comments
COLLAR	———	———	———	———	———						
SETUP 0m		289		46	300					NQ	
75		–		44							
123		309		44							
154		–		43½							
171		306		43½							
221		–		46							

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C.R.A. EXPLORATION PTY. LIMITED
DRILL CORE LOG

SHEET No. 1/3

TENEMENT NAME ARTHUR RIVER EL No. 43/70

PLAN – MAP REFERENCE

CO-ORDINATES | AZIMUTH 300° AMG | DRILLERS K. Parry | COMMENCED 1·4·84 | DEPTH 219·0m | HOLE No. DDB4LR6

RL COLLAR | INCLINATION 46° | DRILL TYPE BOYLES 37 | COMPLETED 25·4·84 | CASING LEFT nil | DPO No(s) 30178

DEPTH From (M)	DEPTH To (M)	Core Rec. (M)	Core Size	Graphic Log	CORE DESCRIPTION	SPECIAL FEATURES ~~Weath, Alteration~~, Fracturing, ~~Veining~~, Mineralization	Sample No.	From (M)	To (M)	Rec (M)	MgO	CaO	SiO2	Al2O3	Fe2O3	L.O.I.
0	12				TRICONE											
12	15	1·73	NQ													
15	18	1·44														
18	21	2·73			18m – 31·5m		1197635	18	21		27·92	7·72	26·32	<0·050	1·171	36·74
21	24	·06			Brecciated magnesite											
24	27	·3			with sparry infill											
27	31·5	4·5					1197636	27	31·5		33·97	2·48	22·80	<0·050	1·434	39·15
31·5	34·5	3·0					1197747	31	31·1		38·1	0·50	15·6	0·02	2·36	43·0
34·5	37·5	3·0			31·5m – 40·2m		1197601	31·5	36·0		36·63	1·558	20·03	0·420	0·896	40·43
37·5	40·5	2·95			magnesite clasts in											
40·5	43·5	3·0			sandy to sparry matrix	and silica band (0·5m thick)	1197602	36	41		37·96	1·422	17·38	0·095	0·735	42·33
43·5	46·5	2·96														
46·5	49·5	3·0			41·2 – 49·8m		1197603	41	46		37·66	1·410	17·92	<0·050	0·87	42·06
49·5	52·5	2·83			Magnesite clasts in											
52·5	55·5	3·04			sandy to sparry matrix		1197604	46	51		35·13	1·961	21·71	0·134	1·013	39·55
55·5	58·5	3·03					1197748	50·7	50·8		32·9	3·74	23·4	0·01	0·57	39·2
58·5	61·5	2·85			49·8 – 56·2m		1197605	51	56·2		38·24	1·766	16·28	<0·050	0·682	42·91
61·5	64·5	2·77			magnesite with grey		1197749	52·8	52·9		38·8	1·28	15·2	0·01	0·54	43·8
64·5	67·5	2·86			dolomite veins		1197606	56·2	61		24·84	18·92	13·91	<0·050	0·402	41·76
67·5	70·5	2·02					1197751	56·6	56·7		20·7	28·3	4·16	0·04	0·22	45·2
70·5	73·5	2·51			56·2 – 66·2m		1197607	61	66		23·84	15·58	21·64	<0·050	0·598	38·12
73·5	76·5	2·39			massive grey dolomite with magnesite clasts		1197752	61·7	61·8		17·7	24·7	16·8	0·04	0·40	39·0
76·5	79·5	2·14			66·2 – 75·8m		1197608	66	71		23·09	13·31	27·04	0·077	0·621	35·56
79·5	82·5	1·53			banded to massive											
82·5	85·5	1·96			grey dolomite		1197609	71	75·8		20·86	28·47	5·01	0·108	0·391	44·82
85·5	88·5	1·77														
88·5	91·5	2·24			75·8m – 76·8m		1197610	75·8	76·8		23·99	4·26	41·01	<0·050	0·725	29·63
91·5	94·5	1·60			Banded to massive dolomite with magnesite 'clasts'											
94·5	97·5	2·97			76·8m – 87m		1197611	76·8	81		38·11	1·118	17·50	<0·050	0·789	42·38
97·5	100·5	3·0			magnesite 'clasts' in sparry matrix											
100·5	103·5	2·08					1197612	81	86		4·94	2·14	6·80	<0·050	1·513	47·4

ASSAY VALUES (Analysed by ZC Amdel <·2m)

34045

045

C.R.A. EXPLORATION PTY. LIMITED
DRILL CORE LOG

SHEET No. 2/3

TENEMENT NAME..... No. .....

PLAN – MAP REFERENCE.....

CO-ORDINATES..... AZIMUTH..... DRILLERS..... COMMENCED..... DEPTH..... HOLE No. LR6

RL COLLAR..... INCLINATION..... DRILL TYPE..... COMPLETED..... CASING LEFT..... DPO No(s).....

DEPTH From (M)	DEPTH To(M)	Core Rec. (M)	Core Size	Graphic Log	CORE DESCRIPTION	SPECIAL FEATURES Weath, Alteration, Fracturing, Veining, Mineralization	Sample No.	From (M)	To (M)	Rec (M)	ASSAY VALUES (Analysed by.....) MgO	CaO	SiO_2	Al_2O_3	Fe_2O_3	L.O.I.
103·5	106·5	2·90			87m – 106·6m		1197613	86	91		41·16	2·03	8·39	0·050	1·695	46·77
106·5	109·5	1·86			magnesite in sparry											
109·5	112·5	3·04			to massive grey dolomite matrix		1197614	91	96		42·68	0·662	7·47	0·050	1·683	47·34
112·5	115·5	2·96														
115·5	118·5	2·59					1197615	96	101		43·82	0·522	6·16	0·050	1·50	47·91
118·5	121·5	1·17					1197753	99·7	99·85		44·8	0·90	2·60	0·02	1·04	50·2
121·5	124·5	3·09					1197616	101	104·5		44·02	0·816	6·28	0·050	1·231	47·3
124·5	127·5	2·56														
127·5	130·5	2·95					1197617	104·5	106·6		33·31	6·47	18·05	0·050	0·688	41·34
130·5	133·5	2·76														
133·5	136·5	2·75			106·6 – 136·5m		1197618	106·6	111		17·93	23·89	19·55	0·050	0·343	38·05
136·5	139·5	2·13			massive grey dolomite											
139·5	142·5	1·68					1197619	111	116		22·79	27·89	1·624	0·050	0·883	46·38
142·5	145·5	·23														
145·5	148·5	3·04					1197620	116	121		21·82	27·25	5·40	0·050	0·544	44·85
148·5	151·5	3·08														
151·5	154·5	2·90					1197621	121	126		21·78	27·15	5·07	0·050	0·647	45·00
154·5	157·5	3·45														
157·5	160·5	2·46					1197622	126	131·5		19·87	25·99	11·01	0·050	0·511	42·08
160·5	163·5	·93														
163·5	166·5	·78			131·5 – 137·4 m		1197623	131·5	137·4		31·90	10·16	14·02	0·050	0·865	42·71
166·5	169·5	2·08			magnesite clasts in massive grey dolomite											
169·5	172·5	2·79			137·4 – 144·5 m		1197624	137·4	144·5		19·85	21·24	17·65	0·050	2·66	38·00
172·5	175·5	2·99			banded dolomite with pyrite and silica patches											
175·5	178·5	2·0			144·5 – 165·9m		1197625	144·5	150		40·40	1·587	11·00	0·050	1·257	45·18
178·5	181·5	2·92			cloudy to spotty magnesite											
181·5	184·5	3·05			with sparry matrix		1197626	150	155		39·22	6·06	5·48	0·050	1·367	47·66
184·5	187·5	2·95														
187·5	190·5	3·0					1197627	155	160		39·64	6·47	5·13	0·050	1·346	47·16
190·5	193·5	2·88														
193·5	196·5	1·48					1197628	160	165·9		41·31	3·47	9·24	0·050	1·172	44·68

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C.R.A. EXPLORATION PTY. LIMITED
DRILL CORE LOG

SHEET No. 3

TENEMENT NAME ..... No. .....

PLAN – MAP REFERENCE .....

CO-ORDINATES ..... AZIMUTH ..... DRILLERS ..... COMMENCED ..... DEPTH ..... HOLE No. LR6

RL COLLAR ..... INCLINATION ..... DRILL TYPE ..... COMPLETED ..... CASING LEFT ..... DPO No(s) .....

DEPTH From (M)	DEPTH To(M)	Core Rec. (M)	Core Size	Graphic Log	CORE DESCRIPTION	SPECIAL FEATURES Weath, Alteration, Fracturing, Veining, Mineralization	Sample No.	From (M)	To (M)	Rec (M)	ASSAY VALUES (Analysed by ..... MgO	CaO	SiO_2	Al_2O_3	Fe_2O_3	L.O.I
196.5	199.5	–			165.9 – 180.5 m		1197629	165.9	170		40.47	4.49	7.81	0.050	1.685	45.09
199.5	202.5	–			magnesite with sparry veins											
202.5	205.5	.04			and minor talc		1197630	170	175		43.37	1.600	4.55	0.050	2.114	47.44
205.5	208.5	.1														
208.5	211.5	.47					1197631	175	180		41.30	3.19	5.24	0.050	2.74	46.86
211.5	214.5	.13														
214.5	217.5	.23			180.5 m – 194.5 m		1197632	180	185		37.93	8.68	4.54	0.050	1.661	46.75
217.5	220.5	.07			cuneiform to cloudy magnesite		1197756	180.6	180.65		22.5	24.3	6.80	<.01	0.53	46.4
220.5	222.5	.14			with sparry matrix		1197633	185	190		40.05	5.62	4.02	0.05	2.49	47.17
							1197634	190	194.5		40.81	4.26	3.92	0.050	2.12	48.35
					194.5 – 205.5 m											
					sand and clay filled cavity.											
					205.5 – 219 m											
					Schist and yellow brown clay											
					with quartz											
					219 – 223 m											
					Schist and yellow brown clay											
					E.O.H.											
							1197750	55.9	56.0		44.5	0.61	3.90	0.02	0.65	49.7

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