

CRA EXPLORATION PTY. LIMITED

DRILL-HOLE SUMMARY LOG

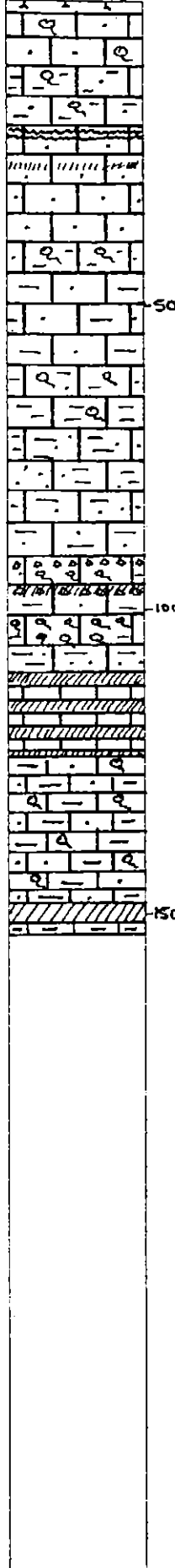
346145

HOLE NAME: DD95ZG411 AMG EAST 363684 NORTH S349094
 PROSPECT: GRIEVES GRID EAST 61087 NORTH 47200
 EL: ZEEHAN 4 EL 38/89 RL DEPTH 154m

DATE DRILLED: 19/5/95
 LOGGED BY: S.J. TEAR
 DRILLING CO.: DIAMOND DRILLING TAS.
 DRILL TYPE: DIAMOND
 DRILL RIG: U250
 LOC DRILL CORE: ZEEHAN

SURVEYS:					
DEPTH	AZIM (AMG)	DIP	DEPTH	AZIM (AMG)	DIP
0	-	90°			
50m	208°	89°			
100m	200°	88°			
151m	220°	87.5°			

Graphic Log



OBJECTIVES OF HOLE:
 DRILLHOLE AIMED AT TESTING DOWN PLUNGE MINERALISATION OF THE GRIEVES MIDDLE ZONE MINERALISATION.

LITHOLOGICAL SUMMARY:			
FROM	TO	FORM CODE	COMMENTS
0	2	Qha	Overburden; no recovery
2	110.9	Ogul	Grey fine grained calcarenites with minor argillaceous material + one rare calcillite bands; includes minor laminated micritic units, burrowed units, bioclastic units; minor fault zones
110.9	124.5	Ogf2	Faulted zone - bleached looking limestones
124.5	148.6	Ogul	Mixed calcarenites with argillaceous material minor fault zones.
148.6	152.2	Ogf2	Fault zone - bleached and brecciated limestone.
152.2	154.0	Ogul	Dark grey argillaceous calcarenites.

MINERALISATION SUMMARY:		
FROM	TO	COMMENTS
		All assays below 64 ppm Zinc.

CONCLUSIONS:
 Drillhole failed to intersect significant mineralisation - no sign of the middle zone mineralisation.
 Bedding @ 10m 45° to c/A @ 42.3m 50° E c/A @ 100m 60° E c/A

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Local coords: 61087E 47200N

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DRILL CORE LOG

TENEMENT NAME GRIEVES SHEET NO. 1 of 7

CO-ORDINATES 5349094N AZIMUTH - DRILLERS DD TAS COMMENCED 19/5/95 PLAN - MAP REFERENCE
 RL COLLAR 363694E INCLINATION 90° DRILL TYPE U250 COMPLETED 26.5.95 DEPTH 154 HOLE No. ZC411
 CASING LEFT DPO No(s)

DEPTH		Core Rec. %	RG DATA	Graphic Log	CORE DESCRIPTION	SPECIAL FEATURES Weath, Alteration, Fracturing, Veining, Mineralization	Sample No.	From (M)	To (M)	Rec (M)	ASSAY VALUES (Analysed by.....)				
From (M)	To (M)										Rec (Fe)	Rec (To)	Rec (Cu)	Rec (%)	
0	2	-	-	Qha	Overburden							0	2	-	-
2	3.5	80	3x	Ogul	Weathered dark grey/grey calcarenite; occ dark grey clay zone.	Irregular calcite veining up to 2cm thick						2	3.5	1.0	66
												3.5	5.0	1.0	66
												5.0	6.5	1.5	100
												6.5	8.5	1.8	90
												8.5	11.5	3.0	100
3.5	6.8	66	3x	Ogul	light grey slightly weathered bioclastic calcarenite	Calcite veining 25° to c/a. and sub-parallel to c/a.						11.5	14.5	2.0	66
												14.5	16.0	1.35	90
												16.0	17.5	1.5	100
6.8	14.2	100	1	Ogul	Grey fine grained calcarenite with interstitial argillaceous calcisiltite; possibly burrowed micritic from 10.5-10.9m with birds eyes	Bedding 45° to c/a. minor calcite veining parallel to c/a < 0.5cm. 45° to c/a	5465844	8.5	11.5			17.5	20.5	3.0	100
												20.5	27.5	3.0	100
												27.5	36.5	3.0	100
												36.5	28.9	2.3	96
												28.9	30.4	1.5	100
												30.4	31.4	1.0	100
14.2	17.1	100	1	Ogul	Fine grey calcarenite with lam bands of argillaceous calcisiltite	Bedding 45° to c/a.						31.4	32.5	1.1	100
												32.5	35.2	2.7	100
												35.2	37.9	2.7	100
												37.9	39.5	1.6	100
17.1	22.2	90	1	Ogul	Fine grey calcarenite with argillaceous calcisiltite either as bands up to 15cm thick or wisps and interstitial fill; occ bioclastic calcarenite bands.	Calcite veins with coarse calcite crystals, < 5cm 45° to c/a (2 phases) Thin calcite veins 50-70° to c/a - locally as stringers Some veins sub parallel to c/a.						39.5	41.2	1.7	100
												41.2	42.7	1.5	100
												42.7	44.3	1.6	100
												44.3	47.4	3.1	100
												47.4	50.1	2.7	100
												50.1	50.8	0.7	100
												50.8	52.7	1.8	100
22.2	22.4	100	1	Ogul	Black argillaceous calcisiltite							52.7	55.9	3.2	100
												55.9	57.5	1.6	100
22.4	23.5	80	1	Ogul	lt grey micritic calcarenite with birds eyes; minor argillite zones	Calcite veining 45° to c/a also irregular veining						57.5	59	1.5	100
												59	60.1	1.1	100
												60.1	64	0.9	90

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DRILL CORE LOG

SHEET NO.

TENEMENT NAME GRIEVES No. 47CO-ORDINATES 363684 E 5349094 N AZIMUTH DRILLERS DDTAS COMMENCED 19.5.95 PLAN - MAP REFERENCE DEPTH 154 HOLE No. 7C411RL COLLAR INCLINATION 90° DRILL TYPE 4250 COMPLETED 26.5.95 CASING LEFT DPO No(s)

DEPTH		Core Rec. %	RA DATA	Graphic Log	CORE DESCRIPTION	SPECIAL FEATURES Weath, Alteration, Fracturing, Veining, Mineralization	Sample No.	From (M)	To (M)	Rec (M)	ASSAY VALUES (Analysed by.....)					
From (M)	To (M)										REC (From)	REC (To)	REC (In)	REC (%)		
66.0	68.7	100	1	Og1	Fine grained grey calcarenite locally micritic with argillaceous bands < 2cm thick. Locally burrowed.	Bedding 60° to c/A.						61.1	64.0	3.0	100	
												64.0	66.7	2.7	100	
												66.7	70.0	3.3	100	
												70.0	73.0	3.0	100	
												73.0	75.3	2.3	100	
68.7	76.4	100	1	Og1	Burrowed, fine grained calcarenite increasing in argillaceous material down hole.							75.3	78.2	2.9	100	
												77.2	80.8	3.6	100	
												80.2	82.5	1.7	100	
												82.5	85.0	2.5	100	
												85.0	88.0	3.0	100	
76.4	76.43	100	5	Og2	Dark Grey clay breccia	60° to c/A <u>not</u> bedding parallel						88.0	91.0	3.0	100	
												91.0	94.0	3.0	100	
76.43	80.2	100	1	Og1	Grey fine grained micritic calcarenite with minor interstitial argillaceous material	Zone of minor calcite veining						94.0	97.0	3.0	100	
												97.0	100.0	3.0	100	
												100.0	103.0	3.0	100	
												103.0	104.8	1.8	100	
80.2	82.5	100	1	Og1	Fine grained burrowed calcarenite → before fault	Fracture / stress zone sub-parallel to c/A.						104.8	107.5	2.7	100	
												107.5	110.6	3.1	100	
												110.6				
82.5	85.8	100	1	Og1	Fine grained grey micritic calcarenite with minor interstitial argillite Occ coarse brachiopod band < 15cm. ② 84 + 84.9m.	Bedding 60° to c/A. ② 85m 1cm calcite vein bedding parallel.							115	116	1.0	100
													116.0	116.6	0.6	100
													116.6	119.4	2.8	100
													119.4	121.1	1.5	98
													121.1	121.8	0.6	86
85.8	85.95	100	1	Og2	Calcite vein and minor clay gouge fault zone	Vein + gouge 70° to c/A.							121.8	123	1.2	100
													123	124.8	1.8	100
													124.8	127.0	2.2	100
85.95	92.4	100	1	Og1	As before vein fault; fine grey micritic calcarenite with argillite bands; minor burrowed zones; increase in argillite d/hole	Bedding 50° → 60° to c/A. (downhole) Minor calcite veining	5465846	88.0	91.0				127	130.0	3.0	100
													130	133.0	3.0	100
													133	134.1	1.1	100

