CRA EXPLORATION PTY. LIMITED

DRILL-HOLE SUMMARY LOG

304197

HOLE NAME: DD96SW1 AMG EAST 375886mE NORTH 5324155mN

PROSPECT Swift Creek GRID EAST 5420 NORTH 10800

EL: Swift Creek EL64/94 RL DEPTH 73.5

DATE DRILLED:

LOGGED BY: Sandy Menpes

DRILLING CO.: All Terrain Expl

DRILL TYPE: Diamond BQTK

DRILL RIG: Gopher

LOC DRILL CORE: Zeehan Shed

SURVEYS:

DEPTH	AZIM (AMG)	DIP	DEPTH	AZIM (AMG)	DIP
70.5m	107°	47.5°			
0m	106°	50°			

OBJECTIVES OF HOLE:

Determine if mineralisation is developed at the base of the carbonate sequence near an interpreted fault

LITHOGICAL SUMMARY:

FROM	TO	FORM CODE	COMMENTS
0	6	Cay	Cover
6	12		Weathered bedrock (Karst)
12	13.2	Ogul	V fn grained calcarenite
13.2	15.7	Ogbr	Dolomite Breccia
15.7	37.3	Ogul	Lime mudstone (variably bioturbated)
37.3	42.6	Ogdo	Dolarenite (fine to very coarse grained, equigranular)
42.6	47.0	Ogul	V fn grained Dolarenite
47.0	49.9	Ogbr	Limestone breccia
49.9	73.5	Ogul	Lime mudstone (variably bioturbated)

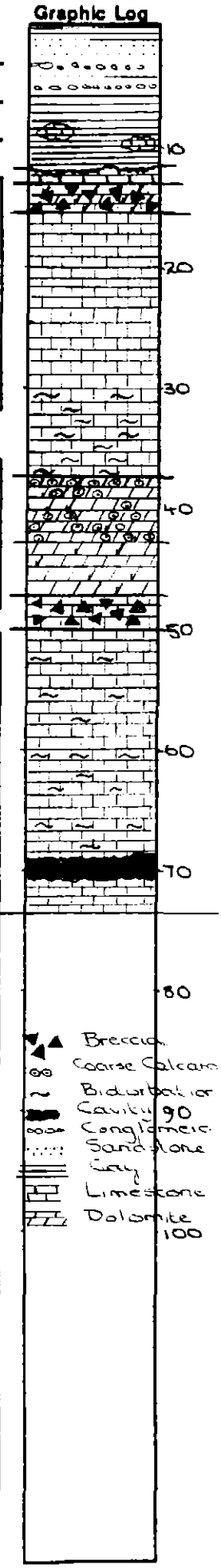
MINERALISATION SUMMARY:

FROM	TO	COMMENTS
		No significant mineralisation

CONCLUSIONS:

Hole abandoned at 73.5m, 21.5m above interpreted Gordon Group - Moina Sandstone contact (casing not set in bedrock. Base casing moved off top of hole in solid bedrock). Hole objective not met.

Graphic Log



CRA EXPLORATION PTY LIMITED

DRILL CORE LOG

Local 5420E 10800N

CO-ORDINATES 375 ~~…~~ mE AZIMUTH 094° Mag DRILLERS ATE COMMENCED 23/3/96 DEPTH 73.5m HOLE No. DD96SW1

RL COLLAR 5324155 mN INCLINATION 50° DRILL TYPE Gopher COMPLETED 26/3/96 CASING LEFT 75mm PVC to 21.5m DPO No(s). 82163

Depth From (m)	Depth To (m)	Core Rec %	Rock Quality	Form Code	CORE DESCRIPTION	SPECIAL FEATURES Weath, Alteration, Fracturing, Veining, Mineralization	Sample No.	Dfrom (m)	Dto (m)	MagSus Depth	MagSus ×10⁻⁵ Value	Recovery From (M)	Recovery To (M)	Recovery Cut (M)	Recovery Rec (M)	Recovery Rec %
0	6			Cov	COVER					12.5	5	See page 2 for				
					Poorly sorted silty					13.0	7	top hole recoveries				
					quartz sands and					13.5	10					
					clays					14.0	15	48.0	49.5	1.5	1.5	100
										14.5	7	49.5	51.0	1.5	1.5	100
6	12				WEATHERED BEDROCK					15.0	10	51.0	52.5	1.5	1.4	93
					(Karstic material). Fragments					15.5	15	52.5	54.0	1.5	1.5	100
					of decomposed carbonate in					16.0	10	54.0	55.5	1.5	1.5	100
					dark brown clay					16.5	8	55.5	57.0	1.5	1.5	100
										17.0	12	57.0	58.5	1.5	1.5	100
12	13.2			Ogul	CALCARENITE					17.5	12	58.5	60.0	1.5	1.5	100
					Grey, very fine to fine					18.0	15	60.0	61.5	1.5	1.5	100
					grained with common					18.5	6	61.5	63.0	1.5	1.5	100
					calcite veins					19.0	10	63.0	64.5	1.5	1.5	100
										19.5	10	64.5	66.0	1.5	1.5	100
13.2	15.7			Ogbr	DOLOMITE BRECCIA	Thin veins/stylolites of	547360	13.2	15.6	20.0	2	66.0	67.5	1.5	1.5	100
					White calcite matrix.	v. fn black sulphide and				20.5	2	67.5	69.0	1.5	1.5	100
					Possibly reef talus	fn pyrite. Probably also				21.0	0	Cavity 69.0	70.5	1.5	Cavity fill	
						graphite				21.5	0	70.5	72.0	1.5	1.5	100
										22.0	2	72.0	72.5	0.5	0.5	100
15.7	28.5			Ogul	LIME MUDSTONE	As above	547361	15.6	18.0	22.5	0					
					Dark grey, graphitic, argillaceous		562	22.5	24.0	23.0	1					
					lime mudstone and very					23.5	3					
					fine grained grey calcarenite					24.0	4					
					Common fossiliferous horizons					24.5	5					
					(bivalves, brachiopods etc)					25.0	4					
										25.5	2					
28.5	37.3			Ogul	LIME MUDSTONE (BIOTURBATED)	Occasional sulphidic,	563	31.5	33.0	26.0	2					
					Grey and dark grey, variably	graphitic stylolites	564	36.0	37.5	26.5	2					
					carbonaceous ?argillaceous					27.0	5					
					lime mudstone grading to					27.5	7					
					v. fn grained calcarenite					28.0	5					

Biotorbated. Nodular in places

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Tenement Name. NO 64/94
Prospect. Swift Creek

CRA EXPLORATION PTY LIMITED

DRILL CORE LOG

CO-ORDINATES: 275.886mE (Local 5420E 10800N) AZIMUTH: 094° Mag DRILLERS: ATE COMMENCED: 23/3/96 DEPTH: 73.5 HOLE No. DD96SW1

RL COLLAR: 5824.55mN INCLINATION: 50° DRILL TYPE: Gopher COMPLETED: 26/3/96 CASING LEFT: 75mm PVC to 1.5 DPO No(s). 82163

Depth From (m)	Depth To (m)	Core Rec %	Rock Quality	Form Code	CORE DESCRIPTION	SPECIAL FEATURES Weath, Alteration, Fracturing, Veining, Mineralization	Sample No.	Dfrom (m)	Dto (m)	MagSus Depth	MagSus Value	Recovery From (M)	Recovery To (M)	Recovery Cut (M)	Recovery Rec (M)	Recovery Rec %
37.3	42.6			Ogo	DOLARENITE	Rare sulphidic zones	5473565	37.5	39.0	28.5	4	0	1.5	1.5	0.2	13
					Fine to very coarse	(predom pyrite) and	566	39.0	40.5	29.0	6	1.5	3.0	1.5	0.6	40
					grained	sulphidic stylolites.	567	40.5	42.5	29.5	8	3.0	4.5	1.5	0.5	33
										30.0	5	4.5	6.0	1.5	0.5	33
42.6	47.0			Ogd	DOLARENITE	Common sulphidic,	568	42.5	45.0	30.5	5	6.0	7.5	1.5	0.4	27
					Very fine grained.	graphitic stylolites	569	45.0	46.5	31.0	5	7.5	9.0	1.5	0	0
					Common calcite veining.					31.5	4	9.0	12.0	3.0	0.7	23
										32.0	8	12.0	12.8	0.8	1.0	125
47.0	49.9			Ogbr	LIMESTONE BRECCIA	Common sulphide veins	570	46.5	48.0	32.5	5	12.8	13.5	0.7	0.7	100
					White calcite matrix	and sulphidic, graphitic	571	48.0	49.9	33.0	10	13.5	15.0	1.5	1.5	100
						stylolites (sulphide predom				33.5	7	15.0	16.5	1.5	1.5	100
						pyrite)				34.0	5	16.5	18.0	1.5	1.5	100
										34.5	5	18.0	19.5	1.5	1.1	73
49.9	69.0			Ogd	LIME MUDSTONE	Trace pyrite	572	49.9	52.5	35.0	7	19.5	21.0	1.5	1.3	87
					Laminated to bedded, grey		573	60.0	61.5	35.5	6	21.0	22.5	1.5	1.4	93
					and dark grey, variably					36.0	5	22.5	24.0	1.5	1.4	93
					carbonaceous lime mudstone					36.5	5	24.0	25.5	1.5	1.6	107
					Variably bioturbated					37.0	5	25.5	27.0	1.5	1.5	100
					5cm pod coarse grained,					37.5	8	27.0	28.5	1.5	1.5	100
					bioclastic calcarenite at	Surveys				38.0	12	28.5	30.0	1.5	1.3	87
					53.5m					38.5	10	30.0	31.5	1.5	1.5	100
						70.5m : 095° Mag Azim				39.0	7	31.5	33.0	1.5	1.5	100
69.0	70.5				CAVITY	47.5° DIP	574	69.0	69.8	39.5	15	33.0	34.5	1.5	1.5	100
					Filled with decomposed		575	69.8	70.5	40.0	10	34.5	36.0	1.5	1.5	100
					gritty dolomite rubble					40.5	8	36.0	37.5	1.5	1.5	100
										41.0	CL	37.5	39.0	1.5	1.4	93
70.5	73.5			Ogd	LIME MUDSTONE		576	72.0	73.5	41.5	10	39.0	40.5	1.5	1.5	100
					As above					42.0	12	40.5	42.0	1.5	1.4	93
										42.5	6	42.0	43.5	1.5	1.5	100
										43.0	7	43.5	45.0	1.5	1.5	100
										43.5	7	45.0	46.5	1.5	1.5	100
										44.0	10	46.5	48.0	1.5	1.5	100

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CRA EXPLORATION PTY LIMITED

DRILL CORE LOG

CO-ORDINATES 375586 mE (Local 5420E 10800N) AZIMUTH 094° Mag DRILLERS A.T.E. COMMENCED 23/3/96 DEPTH 73.5 HOLE No. DD96SWC1

RL COLLAR 5374155 mN INCLINATION 50° DRILL TYPE Gopher COMPLETED 26/3/96 CASING LEFT 75mm PVC to 1.5m DPO No(s). D2163

Depth From (m)	Depth To (m)	Core Rec %	Rock Quality	Form Code	CORE DESCRIPTION	SPECIAL FEATURES Weath, Alteration, Fracturing, Veining, Mineralization	Sample No.	Dfrom (m)	Dto (m)	MagSus Depth	MagSus Value	Recovery From (M)	To (M)	Cut (M)	Rec (M)	Rec %
										44.5	5		61.5	5		
										45.0	7		62.0	4		
										45.5	10		62.5	2		
										46.0	7		63.0	0		
										46.5	5		63.5	2		
										47.0	7		64.0	0		
										47.5	5		64.5	4		
										48.0	10		65.0	5		
										48.5	4		65.5	5		
										49.0	2		66.0	4		
										49.5	0		66.5	0		
										50.0	5		67.0	0		
								50.5	7	51.5	5		67.5	0		
								51.0	7	52.0	0		68.0	0		
										52.5	10		68.5	2		
										53.0	5		69.0	CL		
										53.5	7		69.5	0		
										54.0	5		70.0	CL		
										54.5	5		70.5	4		
										55.0	5		71.0	0		
										55.5	5		71.5	2		
										56.0	3		72.0	2		
										56.5	4		72.5	4		
										57.0	5		73.0	5		
										57.5	3		73.5	7		
										58.0	0					
										58.5	5					
										59.0	5					
										59.5	5					
										60.0	0					
										60.5	3					
										61.0	5					