COMPANY: CRA EXPLORATION PTY. LIMITED
PROJECT: E.L.24/84 TEN MILE CREEK, TASMANIA
HOLE NUMBER: TMC 2

Commenced	25 January, 1992
Completed	02 February, 1992
Logged By	L.A.Newnham
Drilled By	N.Poltock

Purpose

To test a gold rock and soil *geochemical anomaly coincident* with a hematitic stockwork zone in altered rhyolitic rocks, East of the Ten Mile Creek Fault on Line 9,400N

Comments on Completion

A sequence of quartz-felspar-biotite coarsely porphyritic rhyolites and finer grained quartz-felspar rhyolites was intersected. Both units were pervasively hematitic and the coarser unit was stockworked with hematite veins. Weak gold mineralisation was intersected in both units. Hole prematurely stopped because of very hard ground.

Collar Details

Northing	Easting	Elevation	Dip	Bearing	Grid
9,400N	20,575 E	550m	- 53	94AMG	Local

Length
35.8m

Down Hole Surveys		
Depth	Dip	Bearing
Nil		

Core Size	
Interval	Size
0 - 35.8	46TT

Significant Core Loss Zones	
Interval	% Recovered
Nil	

Summary

Depth		Elevation		Recovery	Description	Assays						
From	To	From	To	%		Length	Au					
4.0	7.0			100	Quartz - felspar fine grained porphyritic rhyolite	3.0m	0.11					

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Core Recovery				Description				Assays							
From	To	m.	%	From	To	Lithology and Mineralisation	Structure	From	To	Au	Cu	Pb	Zn	Ag	
						SUMMARY LOG:									
				0.2	11.0	Fine grained porphyritic rhyolite; quartz and felspar phenocrysts in hematitic groundmass. Hematite veining									
				11.0	32.5	Porphyritic rhyolite; coarse quartz, felspar and biotite phenos in hematitised groundmass; hematite stockworking.									
				32.5	35.8	Porphyritic rhyolite same as 0.2-11.0 above.									
						DETAILED LOG:									
				0.0	0.2	No core									
				0.2	11.0	Porphyritic rhyolite; small quartz and	Core hard with extensive brittle	0.2	1.0	0.097	24	10	90	<0.5	
0.0	0.2	0.0	0			felspar phenos. set in hard, fine grained,	fracturing.	1.0	2.0	0.077	21	20	75	0.5	
0.2	2.45	2.0	89			red (hematitic) groundmass. Pervasive	5-6 joint directions varying from	2.0	3.0	0.013	32	27	60	0.5	
2.45	4.25	1.7	94			hematite and sericite alteration. Abundant	10-80 CA	3.0	4.0	0.031	9	14	85	<0.5	
4.25	35.8	31.5	100			metallic gray hematite veins (<1mm), often	Joints typically coated with	4.0	5.0	0.113	7	21	85	0.5	
						weathered/altered to earthy red hematite.	limonite after hematite together	5.0	6.0	0.123	5	11	80	0.5	
						Joint surfaces below 8m. commonly coated	with a green mineral and pyrite	6.0	7.0	0.101	9	8	80	<0.5	
						with bright green mineral and finely	below 8m.	7.0	8.0	<0.008	10	20	80	<0.5	
						crystalline pyrite.	RQD effectively 0.	8.0	9.0	0.010	16	18	75	<0.5	
						Petrological descriptions:		9.0	10.0	<0.008	6	13	50	<0.5	
						4.7m: Porphyritic rhyolite, intensely and pervasively hematitised and sericitised		10.0	11.0	<0.008	6	11	50	<0.5	
				11.0	32.5	Coarsely porphyritic rhyolite; phenos. of	Fresh, competent but still	11.0	12.0	<0.008	7	8	75	<0.5	
						pink and white euhedral felspars to	strongly jointed.	12.0	13.0	0.016	10	16	95	<0.5	
						10mm., white quartz to 5mm., and biotite	Random fractures along hematite	13.0	14.0	0.035	15	15	110	<0.5	
						set in a hematitised microgranular ground-	veins in combination with	14.0	15.0	0.016	67	16	125	<0.5	
						mass. Biotite extensively altered to chlorite	regular joints has resulted in	15.0	16.0	<0.008	7	11	110	<0.5	
						and hematite. Unit is brecciated and cut by	several strongly fractured and	16.0	17.0	<0.008	13	8	80	<0.5	
						intense network of hematite veins,	broken zones.	17.0	18.0	<0.008	6	9	80	<0.5	
						generally <1mm. but occasionally to 5mm.	Joints often coated with limonite	18.0	19.0	<0.008	18	5	95	<0.5	
						Fine grained pyrite disseminations common	and occasionally with green	19.0	20.0	<0.008	18	5	95	<0.5	
						in hematite veins. Joints sometimes coated	mineral.	20.0	21.0	0.017	17	12	115	<0.5	
						with apple green mineral and pyrite.	*** Strong water inflow at	21.0	22.0	0.009	10	7	95	<0.5	
						Contacts with units above and below very	32m. which diminished	22.0	23.0	<0.008	18	14	110	<0.5	
						sharp	significantly over several days.	23.0	24.0	0.010	16	14	155	<0.5	
						Petrological descriptions:		24.0	25.0	0.013	9	20	120	<0.5	
						12.3m.: Brecciated and hematitised		25.0	26.0	<0.008	6	8	140	<0.5	
						porphyritic rhyolite, verging on		26.0	27.0	<0.008	6	9	140	<0.5	
						microgranite		27.0	28.0	<0.008	8	16	130	<0.5	

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From	To	m.	%	From	To	Lithology and Mineralisation	Structure	From	To	Au	Cu	Pb	Zn	Ag
								28.0	29.0	<0.008	8	20	65	<0.5
				4.25	32.5	continued.....		29.0	30.0	<0.008	7	15	105	<0.5
						21.9m.: *Hematitised porphyritic intrusive rhyolite*		30.0	31.0	<0.008	25	10	115	<0.5
								31.0	32.0	<0.008	8	9	130	<0.5
								32.0	32.5	<0.008	7	18	110	<0.5
				32.5	35.8	Fine grained porphyritic rhyolite; Small (1-2mm.) white quartz and felspar phenocrysts set in fine grained hematitic groundmass.	Core hard and brittle fractured. Dominant joint sets 30 and 60CA Some joints coated with green mineral.	32.5	33.5	<0.008	< 5	13	40	<0.5
						Very similar to unit 0.2-11.0m above.		34.5	35.5	<0.008	6	7	35	<0.5
						Minor network of thin (<1mm) hematite filled brittle fractures throughout								
						Occasional thin (<1mm) quartz-felspar-specularite veins at 70CA.								
						Petrological description:								
						33.8m.: Hematitised porphyritic felsite								
						END OF HOLE 35.8m.								