COMPANY: CRA EXPLORATION PTY. LIMITED
PROJECT: E.L.24/84 TEN MILE CREEK, TASMANIA
HOLE NUMBER: TMC 4

Commenced	05 February, 1992
Completed	08 February, 1992
Logged By	L.A.Newnham
Drilled By	N.Poltock

Purpose
To test gold geochemical anomaly coincident with hematite stockwork zone in ryholitic rocks West of Ten Mile Creek Fault on Line 9,200N

Comments on Completion
Quartz -felspar-biotite coarsely porphyritic rhyolites and quartz-felspar fine grained porphyritic rhyolites were intersected. Intense hematite stockworks below 43m. Apart from one or two narrow intervals, gold and base metal values were low.

Collar Details

Northing	Easting	Elevation	Dip	Bearing	Grid
9,200N	20,550 E	560m	- 55	95AMG	Local

Length
53.8m

Down Hole Surveys		
Depth	Dip	Bearing
Nil		

Core Size	
Interval	Size
0 - 53.8	46TT

Significant Core Loss Zones	
Interval	% Recovered
0 - 0.5	0

Summary

Depth		Elevation		Recovery	Description	Assays						
From	To	From	To	%		Length	Au					
48.0	49.0			100.0	Brecciated, hematitised porphyritic felsite	1.0	0.523					

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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:									
				0.0	0.5	No core									
				0.5	32.1	Porphyritic rhyolite and felsites; hematitised, sericitised and probably *rapidly cooled.*									
				32.1	38.7	Biotitic, porphyritic rhyolite; coarse phenos; hematitised and sericitised.									
				38.7	41.2	Porphyritic rhyolite similar to 0.5-32.1m									
				41.2	43.6	Biotitic intrusive rhyolite similar to 32.1-38.7 above.									
				43.6	53.8	*Porphyritic felsite, similar to 0.5-32.1m.* above. Intense stockworking and multiple hematite veining.									
						DETAILED LOG:									
0.0	0.5	0	0	0.0	0.5	*No core - casing*									
								0.5	1.0	0.068	22	6	40	<0.5	
								2.0	3.0	0.050	32	11	50	<0.5	
								4.0	5.0	0.037	195	12	50	<0.5	
								6.0	7.0	<0.008	28	9	40	<0.5	
								8.0	9.0	<0.008	25	13	50	<0.5	
								10.0	11.0	<0.008	16	15	45	<0.5	
								12.0	13.0	<0.008	24	9	40	<0.5	
								14.0	15.0	<0.008	42	11	45	<0.5	
								16.0	17.0	<0.008	35	13	45	<0.5	
								18.0	19.0	<0.008	30	10	45	<0.5	
								20.0	21.0	<0.008	47	<5	45	<0.5	
								22.0	23.0	<0.008	57	13	40	<0.5	
								24.0	25.0	<0.008	78	12	50	<0.5	
								26.0	27.0	<0.008	52	10	40	<0.5	
								28.0	29.0	<0.008	41	7	45	<0.5	
								30.0	31.0	<0.008	70	12	55	<0.5	
								32.0	33.0	<0.008	67	12	60	<0.5	
0.5	32.1	31.6	100	0.5	32.1	Porphyritic rhyolite or felsite; red-brown strongly hematitised fine grained groundmass; small (1-3mm.) quartz and felspar phenos; an abundant mafic pheno. also present and *altered to hematite,* chlorite or to a soft bright green mineral- petrology suggests may have been a pyroxene or olivine. Thin qtz-fels. veins (<1mm) rare near top of unit but increasing in abundance and width (to 10mm) towards base of unit: veins generally 70-80 CA. Occasional hematite veins. Joint surfaces sometimes coated with green mineral or limonite or slickensided metallic colored hematite. Petrological descriptions: 4.4m.: Porphyritic rhyolite, hematitised, sericitised, containing ferromag. phenos. possibly fayalite; rapidly cooled 29.6m.: Porphyritic rhyolite,hematitised and sericitised; rapidly cooled.	Interval generally fresh but strongly fractured; hard and brittle; Narrow broken and clayey zones *at 8.4-8.8m. and 10.9-11.0m.* Dominant joint sets at 30 and 70 CA, generally either limonite coated after hematite, or carrying slickensided hematite.								

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From	To	m.	%	From	To	Lithology and Mineralisation	Structure	From	To	Au	Cu	Pb		Ag
32.1	38.7	6.6	100	32.1	38.7	Porphyritic rhyolite intrusive, Pervasively hematitised fine-medium grained groundmass. White quartz phenos. to 5mm., and pink euhedral K- felspars to 10mm. Biotite extensively altered to hematite, Occasional green micaceous mineral. Stockworking of very fine dark red-brown hematite veins. Late stage quartz-felspar-hem. vein set between 32.7-33.4m. with veins up to 10mm. Quartz has greenish color in places; specularite and green mica(?) as selvages along vein margins. Petrological description: 38.6m.: Porphyritic rhyolite intrusive, Pervasively hematitised and sericitised.	Competent unit with two dominant joint sets at 70-80 and occasionally at 30 CA. Joint surfaces sometimes coated with green mineral.	33.0	34.0	0.008	70	12	50	<0.5
								34.0	35.0	<0.008	84	12	55	<0.5
								35.0	36.0	<0.008	95	10	45	<0.5
								36.0	37.0	<0.008	71	13	50	<0.5
								37.0	38.0	<0.008	130	13	40	<0.5
								38.0	39.0	<0.008	125	18	40	<0.5
38.7	41.2	2.5	100	38.7	41.2	*Fine grained porphyritic rhyolite intrusive,* similar to 0.5-32.1m. above, except only minor, thin, hematite stockwork veining. Most joint surfaces coated with green mineral.	Unit strongly fractured along joint surfaces into 5-10cm. lengths. Two joint sets 20-30 and 70-80 CA.	39.0	40.0	<0.008	145	13	45	<0.5
								40.0	41.0	0.009	96	16	45	<0.5
								41.0	42.0	0.013	130	24	50	<0.5
41.2	43.6	2.4	100	41.2	43.6	*Rhyolitic intrusive, coarsely porphyritic,* similar to 32.1-38.7m. above, but with only minor thin (<1mm) greenish quartz-felspar veins at 80 CA. Most joints coated with bright green mineral.		42.0	43.0	<0.008	105	19	45	<0.5
								43.0	44.0	<0.008	43	16	55	<0.5
43.6	53.8	10.2	100	43.6	53.8	Fine grained rhyolitic intrusive similar to 0.5-32.1m. above. Strongly hematitised and brecciated. Stockworked with hematite veins and multiple late stage quartz-hematite veins. Alteration associated with pervasive hematitisation and veining is intense with almost complete destruction of quartz felspar, and biotite phenos.	Unit cored exceptionally well with RQD approx. 100%. Dominant joint set 80 CA, with tight joints >20cm. apart.	44.0	45.0	<0.008	7	29	170	<0.5
								45.0	46.0	0.039	86	15	70	<0.5
								46.0	47.0	<0.008	10	9	40	<0.5
								47.0	48.0	<0.008	7	8	50	<0.5
								48.0	49.0	0.523	6	7	25	<0.5
								49.0	50.0	0.015	37	9	25	<0.5
								50.0	51.0	<0.008	46	< 5	30	<0.5
								51.0	52.0	<0.008	24	7	25	<0.5
								52.0	53.0	0.085	7	8	25	<0.5
								53.0	53.8	0.012	<5	6	35	<0.5

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Core Recovery				Description				Assays							
From	To	m.	%	From	To	Lithology and Mineralisation	Structure	From	To	Au	Cu	Pb		Ag	
						....43.6 - 53.8m. (continued).....									
						Late stage multiple veining typically consists of quartz-hematite (specularite) with occasional green tinge. Most veins at 60-80 CA and vary in thickness from 1-10mm. Some joint surfaces coated with green mineral. Petrological description: 48.7m.: Porphyritic felsite similar to 29.6m. Extensively hematitised and brecciated.									
						END OF HOLE 53.8m.									