C.R.A. EXPLORATION PTY. LIMITED

DRILL CORE LOG

TRIAL HARBOUR

SHEET No. 1 of 3

TENEMENT NAME ZEEHAN 1 No. EL28/88

PLAN – MAP REFERENCE TRIAL

CO-ORDINATES 349150E 5356150N AZIMUTH – DRILLERS N. POLTOCK COMMENCED 4/5/93 DEPTH 66·15m HOLE No. DD93 ZT 3

RL COLLAR ~59m ASL INCLINATION -90° DRILL TYPE WINKIE COMPLETED CASING LEFT NIL DPO No(s) 71549/T110

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) MAG SUS	Ni%				DRILL RUNS From	To	REC	RQ
0	3·95	–			PRECOLLAR – NO CORE											0	3·95	–	–
																	5·75	1·25	5x
3·95	11·7	5·2	NQ		STRONGLY WEATHERED ULTRAMAFIC WITH DISSEMINATED		3753546	3·95	7·8	2·55	15						6·75	0·85	5x
					MAGNETITE.		547	7·8	11·7	2·65	10						7·8	0·45	5x
					Mottled green, yellow + black, strongly weathered u/m.												8·55	0·25	5x
					Abundant dissem mt as individual grains and												9·85	0·85	5x
					large aggregates, 10-20% of core vol.												11·0	0·95	3F
					Core very strongly fractured + broken due to												11·7	0·6	4F
					weathering. Numerous irregular Fe oxide-filled												12·85	1·1	3F
					fractures.												13·1	0·15	3F
					Minor zaratite at 8·55 in broken core.												14·4	1·3	3F
																REDUCE TO BQ 14·4m			
11·7	24·0	9·8	NQ BQ		WEATHERED ULTRAMAFIC WITH DISSEM MAGNETITE		548	11·7	14·4	2·55	15	·44					15·7	1·35	3F
					Dark green. Essentially as for 3·95–11·7m but		549	14·4	16·7	2·25	10	·30					18·95	2·95	2F
					less weathered + not as broken.		550	16·7	18·95	2·05	10	·28					21·1	0·5	5x
					10-20% mt as fine dissems, blebby aggregates +		551	18·95	22·0	0·95	10						21·5	0·25	5x
					bands, increasing to 20-30% between 14–23·56m.		552	22·0	24·0	2·0	20	·27							
					mt bands may represent primary layering?														
					Rare sulphides or zaratite intergrown with mt,														
					usually weathered to red-brown Fe oxides.														
					12·3m mt layering 40° – C.A.		3930291	PET	13·4										
					15·35 " " 35° – C.A.		292	PET	15·3										
					REDUCE TO BQ AT 14·4m.														
					15·9 mt layering 40° – C.A.														
					16·5 " " 40														
					16·9 " " 45														
					22·75 " " 45°														

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

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CO-ORDINATES..... AZIMUTH..... DRILLERS..... COMMENCED..... DEPTH..... HOLE No. ZT3

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.....) MAG SUS	Ni %	DRILL RUNS From	To	Rec	Rqd
24·0	32·2	8·3	BQ		OLIVINE ULTRAMAFIC WITH BANDED MAGNETITE + ?SULPHIDES		3753553	24·0	26·0	1·95	10	·20	21·5	24·45	2·65	3F
					Green olivine-magnetite ultramafic. Med g/s		554	26·0	28·0	1·90	7	·18		26·9	2·35	3F
					1-2mm olivine grains, orthocumulate texture?		555	28·0	30·0	2·0	12	·15		29·3	2·3	2F
					15% mt as thin bands + irregular wisps. Bands		556	30·0	32·2	2·45	12	16		32·1	3·1	2F
					define primary layering? Some mt bands contain									35·0	2·9	2F
					sulphides, although the amount is not able to be									37·9	2·7	3F
					estimated as both have a fine grained, silvery									40·75	2·95	3F
					habit. Possibly a large bleb of heazlewoodite at									42·80	2·25	3F
					27·3m?									45·85	2·9	3F
					Gradational contact with weathered u/m above.									48·75	2·95	3F
					29·0m mt Layering 50°-C.A.									51·8	2·8	2F
					Sharp contact at 32·2m 45°-C.A.									54·5	2·9	1F
32·2	49·3	~~17·1~~	BQ		CARBONATE ALTERATION ZONE.		557	32·2	37·0	4·7	0·5	·06				
					Mottled white + green. Strong to totally carbonate		558	37·0	41·0	4·1	0·5	·08				
					altered ultramafic? 1-5% d.s.sem mt preserved throughout		559	41·0	45·0	4·0	0·5	·09				
					Numerous fractures at low A to C.A. filled with brown		560	45·0	49·3	4·3	7	·21				
					chalcedony-infilling cleavage?											
					Minor unaltered zones of ol-mt orthocumulate at		3530293	PET	40·7							
					34·2-34·6m, 41·3-42·0m, + 45·0-46·85m.											
					No primary textures preserved in carbonate rock.											
49·3	52·8	3·3	BQ		MAGNETITE-OLIVINE ROCK		561	49·3	51·0	1·6	40	·17				
					Dark green to black. Large massive mt aggregates,		562	51·0	52·8	1·7	40	·13				
					40-60% of interval with narrow zones of 1mm grainsize												
					ol orthocumulate. No obvious layering. Some		3530294	PET	52·0							
					broken zones contain vermiculite? mica?											
					Sharp contact at 49·3m, gradational at 52·8m.											

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SHEET No. 3 of 3

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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.....) MAG SUS	Ni %				DRILL RUNS From	To	Rec	Rec
52·8	56·0	3·45	BQ		OLIVINE-MAGNETITE ULTRAMAFIC Dark green massive ol-mt orthocumulate. 0·5-1mm ol grains with 10-20% interstitial mt as single grains & coarse aggregates. Gradational contacts marked by diminishing mt at 52·8 - 56m.		3753563	52·8	56·0	3·45	15	·12				51·8	54·5	2·9	1F
																	57·4	2·95	1F
																	60·4	2·9	1F
																	62·4	1·9	4X
																	65·45	2·85	3X
																	66·15	0·65	4F
56·0	60·25	4·2	BQ		OLIVINE ULTRAMAFIC WITH WISPY MAGNETITE Green Ol mesocumulate? 5% mt, mostly as very fine wisps, & some irregular aggregates.		564	56·0	60·25	4·2	7	·17							
60·25	63·0	2·6	BQ		TALC ALTERATION AND BRECCIA ZONE Ol-mt u/m (as for 63-66·15m) with wide zones of puggy talc-rich breccia. Dark green, but light green in broken & altered zones.		565	60·25	63·0	2·6	7	·16							
63·0	66·15 EOH	2·95	BQ		OLIVINE-MAGNETITE ULTRAMAFIC. Mottled dark green & black. 0·5-1mm ol grains with 10% coarse mt aggregates commonly 3-10mm wide. (Ortho-meso cumulate?) END OF HOLE 66·15m.		566	63·0	66·15 EOH	2·95	10	·22							