

C.R.A. EXPLORATION PTY. LIMITED
 DRILL CORE LOG
 TRIAL HARBOUR

SHEET No. 1 of 4
 No. EL 28/88

TENEMENT NAME ZEEHAN 1
 PLAN - MAP REFERENCE TRIAL 1:25000

CO-ORDINATES 349010E AZIMUTH 210° AMG DRILLERS N. POLTOCK COMMENCED 26/4/93 DEPTH 54.95 HOLE No. DR 93 ZT 1
 RL COLLAR 5356108N 49m ASL INCLINATION -53° DRILL TYPE WINKIE COMPLETED 29/4/93 CASING LEFT DPO No(s) 71548

DEPTH		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.....)								
From (M)	To (M)										MAG	Ni %	FROM	TO	REC	RR			
0	0.75	-			NO RECOVERY - Non coring														
0.75	9.00	7.8	NQ		WEATHERED ULTRAMAFIC Mottled yellow green. Probably partly serpentinised dunite. Several soft clay zones, deep weathering along fractures. Numerous irregular fractures with serpentinous fractures selvages, probably weathering? No visible sulphides or magnetite		3753501	0.75	4.25	3.05	0	.45							
							502	4.25	9.00	4.75	0	.28							
9.00	17.8	8.85	NQ		PARTLY WEATHERED ULTRAMAFIC Light green serpentine weathered ultramafic with some zones of dark bluish grey fresh ultramafic. Dunite? (Adcumulate?) Fresh ufm is massive and ? fine grained. Weathered ufm contains numerous fractures filled by either calcite or a red-brown earthy mineral, maybe weathered sulphide? Serpentine selvages common. One 10mm wide vein of colourless radiating acicular crystals at 0° to c.a. 10.6m Vcc 45° to c.a. 11.1m Vcc 45° 17.5m S ₁ 45°		503	9.00	13.65	4.75	0.8	.19							
							504	13.65	17.8	4.1	0.8	.15							
17.8	19.8	2.05	NQ		MASSIVE ULTRAMAFIC Blue-grey ? fine grained rock. 1% of 1-3mm calcite veins. Minor pervasive calcite alteration or weathering. Rare Mt disseminations < 0.5%. Gradational contact at 19.8m. Adcumulate?		505	17.8	19.8	2.05	0.4	.26							
							3530281	PET	19.6										

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SHEET No. 2 of 4

TENEMENT NAME No.

PLAN - MAP REFERENCE.....

CO-ORDINATES..... AZIMUTH..... DRILLERS..... COMMENCED..... DEPTH..... HOLE No. 2T1

RL COLLAR..... INCLINATION..... DRILL TYPE..... COMPLETED..... CASING LEFT..... DPO No(s).....

DEPTH		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.....)							
From (M)	To (M)										DRILL RUNS		FR	TD	REL	RQ	REDUCE TO 80 AT 21m	
19.8	21.5	1.7	NO 80	21m	MASSIVE ULTRAMAFIC WITH DISSEMINATED MAGNETITE As for 17.8-19.8 but with 5% magnetite as 1-3mm blebby aggregates. Traces of pale brassy sulphides intergrown with mt. Probably <0.5% of interval. Gradational contact at 21.5m 21.5m. Adcum?		3753506	19.8	21.5	1.7	7	.14		19.45	21	1.45	1F	
														22	1.05	1F		
														24.9	2.6	1F		
														27.15	2.3	1F		
														30.1	2.8	2F		
21.5	22.6	1.1	80		MAGNETITE LAYERED ULTRAMAFIC Banded light green at metallic blue grey. Light green serpentinitised u/m with 10-20% of 1-5mm wisps and bands of mt. Minor brassy sulphides within the mt bands, <0.5% of interval, but difficult to see in dull light. Mesocum? Mt bands primary layering or tectonic? Mt band 30 to C.A.		507	21.5	22.6	1.1	12	.14						
							3530282	PET	21.8									
22.6	29.6	6.6	80		MIXED SERPENTINISED + MASSIVE ULTRAMAFIC. Interval grades in and out of light green serpentinitised u/m to massive blue grey u/m. Serpentinitised intervals are strongly fractured with 5% of 1-3mm calcite veins. Blue grey u/m zones are more competent & not veined. Minor dissem mt, ~1% mainly in serpentinitised zones. Traces of sulphide in mt but probably <0.1% overall. Increase in mag sus (=> mt?) toward 29.6m. Adcumulate?		508	22.6	26.2	3.3	0.7	.18						
							509	26.2	29.6	3.3	0.8	.17						

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DRILL CORE LOG

SHEET No. 3 of 4

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

PLAN - MAP REFERENCE.....

CO-ORDINATES..... AZIMUTH..... DRILLERS..... COMMENCED..... DEPTH..... HOLE No. ZT1

RL COLLAR..... INCLINATION..... DRILL TYPE..... COMPLETED..... CASING LEFT..... DPO No(s).....

DEPTH		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.....)					
From (M)	To (M)										DRILL RUNS					
										MAG SUS	N:1	FR	TO	REC	RQ	
29.6	35.4	SA5	BQ		MASSIVE ULTRAMAFIC WITH DISSEMINATED MAGNETITE AND SULPHIDES		3753510	29.6	30.5	1.1	3.5	.18	30.1	31.15	1.05	3F
					Dark blue grey ? fine grained u/m with minor light green zones of serpentinised u/m.		511		31.5	1.0	3.5	.14		32.15	2.7	1F
					5% Mt and sulphide as 0.5-5mm wisps and blebby aggregates. Generally no preferred alignment.		512		32.5	0.95	5	.13		34.6	0.5	1F
					Sulphide appears to be pyrrhotite dominant.		513		33.5	0.95	4.5	.13		35.5	1.0	1F
					Actual sulphide % unable to be determined because of the fine intergrowth with Mt. Adcumulate?		514		34.5	0.95	6	.12		38.45	3.05	1F
					32.5m Mt layering 45° - c.a.		515		35.4	1.0	5	.12		40.75	2.1	1F
														41.65	0.9	1F
35.4	36.0	0.6	BQ		MATRIX SULPHIDE ZONE		516	35.4	36.0	0.6	20	.13				
					Mottled white, light green - metallic red-brown.											
					Complex and irregular intergrowth of coarse grained (5-10mm) serpentinised olivine talc carbonate and sulphide. Orthocumulate?		3530284	PET	35.5							
					20% sulphide blebs, dominantly Po.											
36.0	39.7	3.65	BQ		MASSIVE ULTRAMAFIC		517	36.0	39.7	3.65	1.5	.18				
					Massive fine grained blue grey u/m. Mt - sulphides rare to absent, 10-11% of interval. Adcumulate?											
					Sharp but irregular contacts at 36 and 39.7m.											
					39.7m layering ~55° - c.a.											
39.7	42.15	2.35	BQ		MATRIX SULPHIDE ZONE		518	39.7	40.75	1.0	2	.14				
					Mottled white - light green - metallic red brown. Irregular intergrowths of 5-10mm serpentinised olivine talc carbonate and sulphides. 20% sulphide, dominantly po as		519	40.75	41.65	0.9	1	.13				
					2-10mm irregular blebby aggregates.		520	41.65	42.15	0.45	7	.12				
					Narrow orthocumulate of zone 40.75-41.65m.		3530285	PET	41.95							

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SHEET No. 4 of 4

TENEMENT NAME..... No.

PLAN - MAP REFERENCE.....

CO-ORDINATES..... AZIMUTH..... DRILLERS..... COMMENCED..... DEPTH..... HOLE No. ZT1

RL COLLAR..... INCLINATION..... DRILL TYPE..... COMPLETED..... CASING LEFT..... DPO No(s).....

DEPTH		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.....)					
From (M)	To (M)										MAG SUS	N:1	FR	TO	REC	RR
42.15	43.15	1.0	BQ		MASSIVE ULTRAMAFIC As for 36-39.7m		3753521	42.15	43.15	1.0	1	.16	4165	4445	2.9	2F
													4665	2.2	1F	
													4955	2.35	1F	
43.15	45.3	2.3	BQ		OLIVINE ORTHOCUMULATE? (OLIVINE-TREMOLITE ROCK?) Spotted light and dark green. Clay altered (weathered) 1-2mm of grains in serpentinite clay matrix (tremolite?) No visible sulphides or mt.		522	43.15	45.3	2.3	1	.19	520	2.95	1F	
													5495	2.9	1F	
45.3	50.5	5.15	BQ		MASSIVE ULTRAMAFIC Massive blue-grey fine-med grained ultramafic. Minor fine dissem of pale brassy sulphides, <0.5% of core volume. Minor blebby po, 1-2% of core vol, but decreasing to absent below 49m. Adcum? 10cm zones with 20% po at 47.6 + 48.4m.		523	45.3	47.9	2.6	3	.15				
							524	47.9	50.5	2.55	2.5	.13				
50.5	52.95	2.4	BQ		MASSIVE ULTRAMAFIC Massive blue-grey fine grained ultramafic. Minor fine dissem of pale brassy sulphides + mt, ~0.1% of core vol. Adcumulate?		525	50.5	52.95	2.4	2	.15				
52.95	54.95	2.0	BQ		TALC-MOTTLED ULTRAMAFIC Mottled white and blue grey medium grainsize ultramafic. Irregular patches of white talc with intergrowths of coarse mt + po. Minor fine pale brassy sulphides throughout. Mt + sulphide approx 5% of core vol. Mesocumulate?		526	52.95	54.95	2.0	5	.16				
							3530286	PET	53.2m							
					END OF HOLE	54.95m.										

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