

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

CO-ORDINATES..... AZIMUTH..... DRILLERS..... COMMENCED..... DEPTH..... HOLE No. T.L.C. 8

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)										Ca	Pb	Zn	Ag	Sn	W	Au		
34.5	35.8	0.4			31.4-33.4 Interbedded brown/cream		932192	33.6	34.5	0.9	625	x	6750	2.5	5	x	0.008		
35.8	37.3	0.3			sandy textured material and thinly		193	34.5	35.8	0.4	300	x	5950	2.5	x	x			
37.3	38.6	0.8			laminated dark chocolate brown		194	35.8	36.1	0.3	150	25	1725	2.5	x	x			
38.6	39.8	0.6			Manganiferous clay as for 22.5-28.2		195	36.1	38.6	0.8	100	x	2100	2.5	3	x			
39.8	41.0	1.2			-originally Ccs/Cst, interbedded?		196	38.6	40.4	1.2	25	300	650	2.5	20	x	0.017		
41.0	44.0	2.8			33.4-45.2 White calc silicate rock	33.4-45.2 patches of coarse	197	40.4	41.9	1.5	25	25	525	2.5	8	x			
44.0	47.0	3.0			extensively altered, with irregular patches	crystalline chlorite, and epidote	198	41.9	43.8	1.9	25	x	425	x	15	x			
47.0	48.5	1.4			of chloritic alteration and epidote	veinlets. Traces mag. sp?	199	43.8	45.2	1.4	25	x	275	x	10	x			
48.5	51.5	3.0			-similar rocks occur in TLE 3 28-45m		200	45.2	47.0	1.8	50	x	375	2.5	9	x	x		
51.5	54.5	3.0			and the upper part of TLE 4														
54.5	57.5	3.0			45.2-47.0 Distinct breccia fabric	45.2-47.0 - No obvious mineralization													
57.5	60.5	3.0			-rounded clasts of calc silicate in a	47.0-51.4 - Minor chlorite-epidote													
60.5	63.5	3.0			grey chloritic matrix with a hard	veining													
					black mineral in interstices. 5-7%	50.9-51.2 Zone of po, py, magnetite	GRIND SAMPLES												
					47.0-51.4 As above 33.4-45.2, but	with mag and chlorite: trace sp, 70° LCA.	932763	47.0	50.6		400	65	570	0.8	x	x			
					the alteration acquires a distinctly		764	50.6	53.6		790	21	6400	0.5	x	55			
					banded character - 5mm - 25cm														
					bands at 70° LCA.														
					51.4-53.6 Massive crystalline mottled	51.4-53.6 traces py, chlorite, ore													
					green and white calc silicate stann	magnetite zone - 3cm at 51.7m.													
					rock - dense and heavy.														
					Contact 80°														
					S/M 53.6-63.2 ? SERPENTINITE WITH MAGNETITE		932135	53.6	54.9	1.5	600	200	3.0%	x	10	x			
					Pale yellow-green(?) serpentinized lgn	53.6-58.0 Mag dissem 30-40%	136	54.9	55.6	0.7	175	150	9600	x	15	x	x		
					calc silicate matrix with bands of	variable 10-15% to 80-90% for a few	137	55.6	56.5	0.9	825	75	22%	x	8	x			
					crystalline black magnetite distributed	cm. Sp variable throughout trace - 10%,	138	56.5	58.0	1.5	750	100	2.71%	x	10	x			∞
					throughout 30-40%.	2-3% overall.	139	58.0	58.9	0.9	700	125	4.26%	2.5	10	x			∞
					58.0-58.9 Dark green serpentine		140	58.9	60.1	1.2	625	125	2.38%	x	15	x	x		2
					matrix, mag and sp as above.		141	60.1	61.5	1.4	350	100	1.35%	x	15	x			0
					58.9-63.2 As above, sparse calcite		142	61.5	62.4	0.9	575	250	1.68%	2.5	20	x			0
					stringers		143	62.4	63.1	0.7	200	175	8300	2.5	15	x			0

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SHEET No. 3

TENEMENT NAME TENTH LEGION No. 514/75

PLAN - MAP REFERENCE.....

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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)										Cu	Pb	Zn	Ag	Sn	W	As			
					Contact 60°															
63.5	66.3	2.8		Csd	63.2-65.3 CALC SILICATE ROCK	63.2-64.6 mag 2-3%, trace sp, in blebs	932144	63.1	64.6	1.5	25	50	1375	x	x	x	x			
66.3	69.0	2.6			Green, brown and white banded calc	and stringers.	145	64.6	65.0	0.4	175	125	381%	x	6	x				
69.0	72.5	3.4			silicate rock, which has been subjected	64.6-65.0 Serpentinized band with	146	65.0	65.3	0.3	575	100	4300	x	x	x				
72.5	75.5	3.5			to minor alteration/metasomatism - some	40% mag, sp 2-3% in central														
75.5	78.5	3.0			serpentinized bands and stringers	65.0-65.3 trace mag, garnets.														
78.5	81.0	2.7			Contact 65°															
					65.3-68.2 SERPENTINISED CALC SILICATES															
					WITH MAGNETITE.															
				SIM	65.3-66.1 Dark green serpentine with	65.3-66.1 py 1%; trace sp.	147	65.3	66.0	0.7	250	75	8200	x	8	x				
					black magnetite 30%. Banded 65°		148	66.0	66.9	0.9	150	100	1400	x	9	x	x			
				Cst/S	66.1-68.2 Bone white calc silicate	66.1-68.2 - py 3.5% in irregular bands	149	66.9	68.2	1.3	575	75	6150	x	9	x				
					with green (grey serpentinized) intervals: mag.	to 2cm thick.														
					10%: Banded 60°															
					Contact 70°															
				Css	68.2-72.7 CALC SILICATE SKARN	68.2-70.6 mag 1%, py 1-2%, strong	150	68.2	69.0	0.8	250	150	5750	2.5	x	x				
					White fine grained rock with irregular	trace sp → 1%	151	69.0	70.6	1.6	75	175	5900	x	x	x				
					bands and patches to 2cm of dark	70.6-72.7 sp locally in 10cm intervals														
					green serpentine or white calcite.	to 15%, overall 1-2% mag 2-3% assoc.	152	70.6	71.6	1.0	75	100	140%	x	3	x	x			
					Altered 'Cst' type of calc-silicate.	with serpentine, blebs disseminated py. to 1%.	153	71.6	72.1	0.5	x	75	1600	x	7	x				
					72.7-85.7 CALC SILICATE ROCK	72.7-73.9 magnetite 1-2% in fine stringers	154	72.1	72.7	0.6	50	325	5400	x	x	x				
					Bone white fgr. rock with weak	sp 1-2%														
					sporadic serpentine alteration.	73.9-75.0 Finely disseminated mag 5-7%	155	72.7	73.9	1.2	25	50	1975	x	5	x				
				Cst/hst	73.9-75.0 Altered limestone - remnant 2x1cm	in limestone; trace sp.	156	73.9	75.0	1.1	25	50	2500	x	4	x	0.008			
					lenses of grey limestone surrounded by															
					bands of green serpentine and white calc-silicates.															
				Cst	75.0-75.8 Bone and cream calc silicate	75.8-75.8 trace magnetite, garnet.	157	75.0	75.8	0.8	25	50	225	x	6	x				
					as above.		158	75.8	77.4	1.6	50	450	725	5.0	4	x				
				Css	75.8-77.6 Qtz - epidote - garnet rock	75.8-77.6 Epidote 30% along fractures	159	77.4	78.8	1.4	25	1175	375	5.0	10	x				
					-alteration stockwork.	with garnet 10% and residual white and	160	78.8	79.1	0.3	100	275	136%	2.5	7	x	0.008			
				Cst	77.6-81.3 Bone and greenish white calc	greenish pink qtz. Traces disseminated mag.	161	79.1	80.2	1.1	75	x	425	x	10	20				
					silicate rock with minor serpy/mag banding to 30%	77.6-81.3 mag 1-2% with black repp; trace sp	162	80.2	81.3	1.1	25	300	3600	x	5	x				

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From (M)	To (M)										Cu	Pb	Zn	Ag	Sn	W	Au	
81.0	84.0	3.0		M/S.	81.3-82.0 Magnetite 40% associated with	81.3-82.0 Sp 1%, associated with mag.	932163	81.3	82.0	0.7	50	x	1.1%	x	9	x		
84.0	87.1	3.1			dark green, almost black serpentine, some		164	82.0	82.6	0.6	25	x	1.03%	x	10	x	0.017	
87.1	89.9	2.7			remnant patches white calc silicates		165	82.6	83.3	0.7	25	175	6300	2.5	25	x		
89.9	92.9	3.0			82.0-85.7 White calc silicate rock with	82.0-85.7 Mag 15-20% in bands with	166	83.3	83.9	0.6	50	50	4250	2.5	4	x		
92.9	95.9	3.0			0.5cm to 1cm bands of mag/serpentine	serpentine; trace sp.	167	83.9	84.2	0.3	150	x	1.31%	2.5	55	x		
95.9	99.0	3.1			as above 81.3-82.0, 30%. Some sparse		168	84.2	85.7	1.5	75	100	4915	x	6	x	0.017	
99.0	102.4	3.4			bands grey lst near base of interval.													
102.4	105.4				Contact 60°													
105.4	108.4	3.0		lst/cst	85.7-97.9 ALTERED LIMESTONE	85.7-95.7 Mag dissem 2-3% throughout	932765	85.7	88.8		26	30	470	0.3	x	20		
					Banded grey and white rock - the	lst overall 1-2%, traces po, py and rare	766	88.8	91.6		47	22	710	0.3	4	15		
					grey is a crystalline impure limestone	sp in small zones to 3cm.	767	91.6	95.7		18	18	90	0.2	x	x		
					with finely dissem mag, frequently	95.7-97.5 po, py dissem in bands												
					with green 2-8mm serpentine rims	to 30cm thick, 10-20% overall 3-5%	932169	95.7	97.0	1.3	175	x	1925	2.5	7	x		
					surrounding irregular bands and intervals	77.5-97.9 10% mag in serpentinized limestone	170	97.0	97.5	0.5	x	50	425	x	7	x		
					of bone white calc silicate rock, which	trace py	171	97.5	97.9	0.4	150	x	4475	2.5	7	50		
					may be up to 1.2m thick.													
					Contact 55°													
				ss/cst	97.9-101.4 BLACK SILTSTONES/CALC SILICATES	97.9-101.4 No obvious mineralization	932768	97.9	101.2		64	18	148	1.0	x	110		
					Thinly bedded black siltstones which	, traces py in some calc-silicate intervals.												
					alternate with, and have been invaded													
					by white and pink calc-silicates.													
					Hard, hornfelsed; bedded 50-60°													
					Contact 70°													
				cst	101.4-104.6 Calc Silicate Rock.	101.4-104.6 minor epidote and pale	769	101.2	104.6		38	27	640	1.0	25	75		
					Bone white calc silicate, with greenish	brown garnets, mostly in the greenish	932308	104.8										
					coarser grained intervals	crystalline intervals.												
					Contact 50°													
				lst/cst	104.6-106.7 ALTERED LIMESTONE	104.6-106.7 fig. mag 2-3%, traces	932172	104.6	105.4	0.8	25	100	725	2.5	6	x	0.042	
					As above 85.7-97.0, but lesser	po, py Some mag has been	173	105.4	106.7	1.3	75	25	175	5.0	x	x		
					intervals of calc-silicates	partially converted to reddish												
					hematite													

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