

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

TENEMENT NAME Tenth Legion No. 51.M.175.

PLAN - MAP REFERENCE TASH 2 TASH 16

CO-ORDINATES 3551.02N 5029.1E AZIMUTH 315° GRID DRILLERS S. RIMAK COMMENCED 14.3.81

DEPTH 134m HOLE No. T.C. 4

RL COLLAR 2.23.6m INCLINATION -50° DRILL TYPE BOYLES 27 COMPLETED 20.3.81

CASING LEFT 4m NW (collar) DPO No(s) 26669/26672

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	Au		
			NQ	NC	0-4.0m TRICONE DRILLED - NO CORE.						GRIND	SAMPLES							
4.0	7.0	2.6		Cst	4.0-24.35 CALC SILICATE ROCK	Minor chlorite-epidote veining	869962	4.0	9.5	5m	27	23	180	<1	8	55			
7.0	8.5	1.5			Bone coloured f.g. tremolite-dioptase	7.7m Bedding 40°		9.5	14.5	5m	38	9	100	<1	6	40			
8.5	10.5	1.9			assemblage, with patches of pinkish brown and green well bedded more diopside	Extensively brecciated and disrupted - the white tremolite alteration		14.5	19.5	5m	26	10	103	<1	4	50			
10.5	13.5	3.0			rich material 0.3-1.0m. Some epidote	appears to post-date the green and brown material. Some thin calcite stringers	932296	10											
13.5	16.0	2.5			veining.	and segregations	297	22											
16.0	19.5	3.4			Gradually becomes greener and more chloritic and altered with depth		298	25											
19.5	22.5	2.9			(after about 16m) - grossly brecciated and metasomatised fabric.														
22.5	25.5	2.9			Contact 65°														
25.5	28.5	3.0																	
28.5	31.5	3.0																	
31.5	34.5	2.9		↓															
34.5	37.5	3.0		CSS	24.35-31.9 CHLORITE-RICH CALC SILICATE ROCK.	Grossly brecciated, metasomatised fabric - totally recrystallised.	877675	24.4	26.0	1.6	5	25	200	x	30	x			
37.5	40.5	2.8			Dark green coarsely crystalline chlorite in interstices of white crystalline tremolite with recrystallised white residual calcite	24.35-26.0 no obvious mineralisation	676	26.0	26.6	0.6	5	15	150	x	3	x	x		
40.5	43.5	3.0				26.0-26.5 Granular mag with chlorite 10%	677	26.6	26.9	0.3	5	20	275	0.5	25	x			
43.5	46.5	3.0				26.5-26.9 Mag 70-80% green sepehnite matrix. Py 1-2%	678	26.9	27.2	0.3	5	20	90	x	6	x			
46.5	49.5	2.7				26.9-27.5 Pinkish brown crystalline garnets 15% 20%	679	27.2	27.8	0.6	5	20	155	x	7	x			
						27.5-28.0 Granular mag with chlorite, 18%	680	27.8	28.4	0.6	x	10	115	x	7	x	0.008		
						28.0-31.9 Patches of very crystalline chlorite, mag rare, rare trace py.	681	28.4	29.6	1.2	x	15	185	x	10	x			
						Contact 75°	682	29.6	33.2	1.6	x	15	215	x	10	x			
							683	31.2	32.6	1.4	25	30	740	x	15	x			
				↓															
				Csd	31.9-47.90 CALC SILICATE ROCK?	31.9-35.1 Minor epidote veining and alteration. Sparse thin calcite veins.	684	32.6	34.1	1.5	10	20	120	x	10	x	x		
					Medium green f.g. diopside rich matrix, with pale mottlings (tremolite?)	35.1- Extensively brecciated, with greenish alteration proceeding along fractures. Little obvious mineralisation, parts of the rock have a 'spotted' fabric	685	34.1	35.3	1.2	5	45	115	x	10	x			
					and brownish portions - possibly idocrase?; or more sediment rich portions - less altered.														
				↓	35.4 Bedding? 70° LCA	Patches of green crystalline chlorite occur	869966	35.1	40.1	5.0	160	9	166	1	4	165			
							967	40.1	44.0	3.9	60	5	107	<1	6	80			
							968	44.0	47.9	3.9	63	14	193	1	<4	60			
							932299	43.2											

887043





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	Au	
113.5	116.5	3.0			99.5-101.3 Silicified zone with 15% po, partially degraded to py.		877734	98.0	99.8	1.8	15	50	320	x	30	x		
116.5	119.5	3.0			101.3-106.2 Grey spotted carbonate	101.3-106.2 pure po in carbonates, some	735	99.8	101.3	1.5	165	130	4200	0.5	70	30		
119.5	122.4	2.7			not so well banded, extensively	fine blacic magnetite	736	101.3	102.7	1.4	25	40	350	0.5	40	x	0.050	
122.4	125.2	3.0			serpentinised - yellow and brown ser > 50%	106.2-113.0 Minor mag veining, some	737	102.7	104.5	1.8	x	35	85	x	15	x		
125.2	128.5	3.5			of rock.	very finely disseminated mag; trace po.	738	104.5	106.2	1.7	10	40	150	x	15	x		
128.5	131.5	3.2			106.2-113.0 Greater percentage of 1st, again		739	106.2	107.4	1.2	x	30	75	x	15	x		
131.5	134.0	2.3			moderately well banded at approx 60°		740	107.4	108.9	1.5	5	40	160	x	15	x	0.017	
					Contact		741	108.9	110.3	1.4	20	35	90	x	35	x		
				↓	CSS 113.0-116.2 CALC SILICATE SKARN ROCK	113.0-113.6 Po dissem 10-15%, 1-2% sp	742	110.3	110.8	0.5	5	45	75	x	30	x		
					Green, pink and white f.g. calc silicate	trace py in veinlets.	743	110.8	112.1	1.3	15	35	90	x	10	x		
					rock, extensively silicified and	113.6-114.3 Minor disseminated mag in more	744	112.1	113.0	0.9	35	30	120	x	55	x	0.025	
					converted to a grey massive rock	finely banded portions.	745	113.0	113.6	0.6	215	50	2150	x	45	40		
					with dissem po.	114.3-116.2 Po dissem in 10-30 cm intervals	746	113.6	114.3	0.7	10	55	360	0.5	310	x		
						10-15% elsewhere 1-2%. Patchy dissem	747	114.3	115.3	1.0	105	35	830	x	170	x		
						mag. Minor haematite; and traces py in	748	115.3	116.2	0.9	125	190	3500	2.0	230	15	0.008	
					Contact 85°	fine calcite veinlets (with mag).	749	116.2	117.0	0.8	15	40	195	x	35	x		
				↓	Csd 116.2-134.0 ? CALC SILICATE ROCK	116.2-117.0 Weak trace py; fine calcite veins	750	117.0	117.7	0.7	20	30	160	x	130	x		
					(ss/sh?) Brown and green thinly bedded	117.0-117.7 Green epidote rich rock	751	117.7	119.0	1.3	15	30	60	x	10	x		
					rock, hard tough and very fine grained	117.7-119.0 Trace py, weak epidote veining	752	119.0	119.8	0.8	5	20	700	x	130	x	x	
					Irregular patches of gray green →	119.0-120.3 Green epidote rich rock	753	119.8	120.9	1.1	65	130	670	1.5	290	10		
					white alteration (epidote, chlorite)	120.3-120.8 po, py dissem 10-15%	754	120.9	121.8	0.9	10	35	170	0.5	25	x		
					associated with fine veining (veining)	120.8-121.8 Green epidote veining (weak) + py.	877 755	121.8	123.1	1.3	25	30	990	0.5	120	x		
					Most bedding angles 80-85°	121.8-123.1 Epidote rich, 2-5% po (dissem)	932 114	123.1	125.0	1.9	15	10	170	x	30	x		
					128.7-131.1 More greenish diopside	minor calcite + py veinlets.	115	125.0	126.8	1.8	30	15	170	x	40	x		
					rock	123.1-130.6 Brown rock, extensively	116	126.8	129.0	2.2	60	10	90	x	25	x	x	
					131.1-134.0 Very well bedded, pale	bedded - weak streaks of dark	117	129.0	130.3	1.3	25	20	215	x	30	200		
					brown and maroon laminae - sediments?	alteration products, more epidote, more	118	130.3	131.0	0.7	65	20	1900	x	95	15		
					133.0 Bedding 80°	blebs py. Some ultrahie dissem py.?	119	131.0	132.4	1.4	90	15	60	x	30	x		
						130.6-130.9 5-7% dissem po with epidote, trace sp.	120	132.4	134.0	1.6	85	10	50	x	25	x	x	
						130.9-134.0 py, fine ss bedded	932 300	134.8										
				↓	END OF HOLE 134.0 M	laminae and fine stringers; 5-7%.	301	134.0										

887010