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

SHEET No. 1 of 2

TENEMENT NAME RAZORBACK No.

LOGGED BY: G. PURVIS

CO-ORDINATES 4892 N. 2985 E. AZIMUTH GRID WEST (250° MAG) DRILLERS A.D.D. COMMENCED 18.2.80 DEPTH 197.05m HOLE No. RC 2

RL COLLAR 302 m INCLINATION 45° DRILL TYPE F 30 COMPLETED 12.3.80 CASING LEFT 34 m NQ DPO No(s) 25849, 25850

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)	Sn	W	Pb	Zn	Cu	Ag	Co	Ni	Cr	Sb
											ASSAY VALUES (Analysed by AMDEL) PPM									
0	14.20		HW, HQ, NQ		MINE DUMP - OVERBURDEN															
14.20	125.45	100.4	NQ to 31m then BQ		SERPENTINITE - not logged or examined in detail															
125.45	177.95	52.25	BQ		TALC-CARBONATE.	1-5% haematite > magnetite >	795404+	125.40	128	2.60	4	<10	15	50	28	<1	35	500	260	
					Upper contact 80°/LCA.	chromite. Zones > 5% outlined below	405+	128	130.50	2.50	4	<10	5	44	2	<1	40	520	210	
					Grey greenish or pinkish due to Fe	Overall decrease in Fe content ≈ depth	406+	130.50	133	2.50	4	<10	<5	50	<2	<1	30	420	160	
					content. Variably textured.	Minor py > po often associated with	407+	133	135.50	2.50	6	<10	<5	70	<2	<1	30	420	180	
					Minor serpentine at top. Some bright	Fe minerals. Core strongly magnetic in places.	408+	135.50	138	2.50	4	10	5	50	14	<1	50	670	200	
					green chrome (?) minerals.	138.8 - 140m: 7-10% haematite-mag	795381	138	140	2	8	<10	10	50	8	1	60	950	220	6
						137 - 140.2: Py - up to 1% locally.	795409+	140	142	2	8	<10	<5	40	2	<1	50	860	260	
					Increasing qtz content with depth -	141.35 - 142: 7-10% magnetite in	410+	142	144	2	<4	<10	<5	80	<2	<1	25	340	210	
					rock is a QUARTZ-TALC-CARBONATE	bands 25°/LCA	411+	144	146.50	2.5	6	<10	<5	28	<2	<1	25	450	130	
					below 167m. Quartz present as v.	146.5 - 150: 5-7% black magnetite	795397+	146.50	149	2.5	10	<10	<5	22	4	<1	35	640	150	
					fg gr, as qtz-carb veins or as	in bands up to 3mm and patches	398+	149	151.50	2.5	8	<10	<5	24	<2	<1	35	490	190	
					thin porcellaneous chalcedonic	up to 10mm	399+	151.50	154	2.5	8	<10	<5	24	2	<1	40	630	150	
					veinlets. Best sulphides in silic. zones	153 - 157: 5-7% magnetite > haematite	795382	154	156	2	90	<10	<5	12	5	1	45	520	140	6
						1% py > po.	383	156	158.25	2.25	190	<10	<5	18	18	<1	45	750	210	8
					Numerous carbonate veins at all	157 - 158.3: 1% py >> po.	384	158.25	158.55	0.30	640	15	95	140	2500	1	75	1100	270	36
					angles usually < 10mm.	158.3 - 158.6: MINERALISED ZONE	385	158.55	160	1.45	70	<10	1300	170	20	2	45	1200	290	120
					Fine banding in places:	30-40% po > py. Minor cp. As irreg	795400+	160	162	2	14	<10	40	110	<2	<1	30	790	240	
					135.8m 20°/LCA	veins and patches 55°/LCA	401+	162	164	2	6	<10	<5	34	<2	<1	35	670	260	
					145.5m 40°/LCA	158.6 - 159.1: 1-2% po > py.	795386	164	165	1	18	<10	20	40	5	<1	60	850	130	10
					159m 55°/LCA	164 - 164.5: 1% py > po.	795402+	165	167.50	2.50	4	<10	15	80	2	<1	40	590	230	
					167m 50°/LCA	172.1 - 172.4: 1-2% po > py.	403+	167.50	170	2.50	8	<10	30	44	<2	<1	35	650	250	
					176.6m 75°/LCA	172.4 - 172.55: MINERALISED ZONE	795387	170	172	2	110	<10	85	60	5	<1	40	1050	160	40
					Basal contact sharp 70°/LCA	Qtz-wollastonite?-carb vein ≈ 25%	388	172	173	1	350	<10	190	410	100	2	45	1100	180	130
					- a disconformable contact with the	po > py > cp ≈ silic halo 25cms 70°/LCA.	389	173	174	1	310	<10	830	1.4%	250	11	50	1600	420	40
					conglomerate. Some silicification,	172.8 - 173.3: 2% po > py.	390	174	175.50	1.50	6	<10	10	50	5	<1	40	780	100	18
					no shearing	173.3 - 173.5: MINERALISED ZONE	391	175.50	177	1.50	4	<10	<5	15	5	1	35	690	120	<4

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

SHEET No. 2 of 2

TENEMENT NAME RAZORBACK No.

PLAN – MAP REFERENCE

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

RL COLLAR INCLINATION DRILL TYPE COMPLETED CASING LEFT DPO No(s) 25850, 25849

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)	(M)	Sn	W	Pb	Zn	Cu	Ag	Co	Ni	Cr	Sb
											ASSAY VALUES (Analysed by AMDEL) ppm									
						55°/LCA. 30% po>py, trace	7/5392	177	178	1	4	<10	65	15	8	<1	40	770	140	18
						stannite, in qtz-carbonate-wollastonite?	393	178	179	1	<4	<10	50	110	65	<1	45	290	160	6
						gangue.	394+	179	182·7	3·70	<4	20	10	130	60	<1	40	160	210	
						173·75 – 174: MINERALISED ZONE	395+	182·7	185	2·30	<4	<10	40	400	20	<1	40	150	120	
						60°/LCA. 30-40% po>py. Minor	396+	185	188	3	<4	<10	5	80	390	<1	30	100	220	
						arsenic. Trace cassiterite?, in qtz-carbonate-wollastonite? gangue.														
177·85	197·05	18·20	BQ		CONGLOMERATE.	Numerous barren qtz-calcite veins														
					First 40cm very siliceous with abundant	up to 30mm.														
					carbonate material; clasts hazy and	Very minor py+cp at intervals.														
					indistinct – possibly 'transition zone'.	Minor haematite-magnetite.														
					-most clasts + matrix appear to be talc-chl.															
					Gradual change around 178·25 to true	Badly fractured and broken 179-181.														
					conglomerate.															
					Green, hard; Angular to rounded clasts	Bedding: 183m 50°/LCA														
					up to 120mm, average <20mm. Some	194·5m 50°/LCA.														
					local clasts (sdt pebble texture).		+ – density sample taken with core grinder.													
					Clasts mostly basic to felsic volcanics															
					above 183m, green mudstones, siltstones															
					+ sandstones below this. Mica chl,															
					+ some talc-carbonate (?)															
					Matrix cemented by calcite and	Camera Surveys:														
					minor qtz with much basic tuff	Depth Dip Azimuth														
					component.	25m 40°40' 245°30' mag														
						50m 40° 247° mag														
					END OF HOLE	80m 39°20' 241°30' mag														
						110m 39° 248°30' mag														
						140m 39° 239° mag														
						170m 37°30' 238° mag														
						196m 37°45' 238°30' mag														

possibly affected by magnetite in serpentinite

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