

LOCATION	Bulgobac, North Pinnacles	Depth	60	Direction		Dip.		COLLAR DIP.	-55°	TOTAL DEPTH	128.0m
OBJECTIVE	To tes: Geochemical and I.P. anomalies	90						DIRECTION	270° True	HOLE SIZE	NQ 38m BQ 128m
RESULT	The I.P. and Pb geochemical anomalies were adequately tested by the drill hole. No economic mineralisation was intruded.	120		Dip.				R.L.	605m	COMMENCED	11.3.'80
								COORDINATES		COMPLETED	31.3.'80
								5,387,100mN	379,310mE	LOGGED BY	J. Mill A Mollison
								5,387,078mN	379,007mE		

DEPTH (m)		ROCK DESCRIPTION REFER DDH SUMMARY SHEET A1-521-0054	MINERALISATION	SAMPLE NO.	FROM	TO	CORE REC'D	ASSAY DATA per ppm							CORE REC'D		
FROM	TO							Sample Length	Pb	Zn	Cu	Ag - g/t	Au - g/t	Fe	Mn	RUN	SHORT
0	4.	Rhyolite orange-grey fine grained porphyritic rhyolite - weathered	Limonic	29771	0	5	3.0	5.0	365	220	20			3.3%	115	0	-
				772	5	10	2.0	5.0	480	395	20			3.4%	190	2.0	0.4
				773	10	15	2.0	5.0	505	355	20			2.3%	160	3.0	0.3
4	13.5	Rhyolitic Fragmental As above with subtle fragmental texture. Minor chloritised fragments. Porphyritic texture of feldspar, up to 3mm diameter, minor quartz in fine grained ground - mass.	Limonic	774	15	20	4.8	5.0	850	330	10			1.8%	105	4.0	0.4
				775	20	25	3.0	5.0	2250	355	25			2.4%	70	10	4.0
				776	25	30	3.7	5.0	2150	430	20			2.0%	215	11	0.3
				777	30	35	4.8	5.0	2300	1850	20			2.0%	50	12	0.4
				778	35	40	4.4	5.0	1000	1700	10			8500	70	13	0.4
				779	40	45	5.0	5.0	2450	2950	30			1.2%	105	14	-
13.5	21.5	Rhyolitic Fragmental Dark-pale green mottled texture consisting of dark green chloritic blobs and flame like fragments in an orange porphyritic fine grained, ground mass - weathered	Limonic	29780	45	50	5.0	5.0	3800	1.1%	60			1.9%	330	15	0.5
				781	50	55	4.7	5.0	770	3950	15			1.0%	330	16	-
				782	55	60	4.9	5.0	1400	2550	15			1.8%	415	19	-
				783	60	65	5.0	5.0	1400	2700	20			1.9%	565	20	0.2
				784	65	70	5.0	5.0	2950	4100	25			1.3%	520	22	0.3
21.5	30.1	Rhyolitic Breccia Orange porphyritic rhyolite, brecciated in places, fragments up to 6cm diameter. Feldspar and quartz phenocrysts up to 3mm diameter in a fine grained feldsparphyric matrix.	Limonite stained joints and local manganese staining	785	70	75	5.0	5.0	185	360	10			4650	300	23	1.6
				786	75	80	4.0	5.0	310	590	10			6200	460	28	0.9
				787	80	85	5.0	5.0	250	900	5			4800	320	30	0.3
				788	85	90	5.0	5.0	2000	3100	20			5200	475	31	0.1
				789	90	95	5.0	5.0	2900	1.05%	55			1.1%	730	34	0.2
				29790	95	100	4.8	5.0	3500	4900	45			6950	660	37	0.1
30.1		Base of complete oxidation.		791	100	105	5.0	5.0	1650	7350	20			1.0%	1200	38.5	0.5
				792	105	110	4.5	5.0	465	850	5			2.7%	1250	41.5	0.8
30.1	64	Rhyolite Breccia Grey to pale green & pink fragments of occasionally banded rhyolite in a matrix of quartz, feldspar and chlorite. Feldspar locally incipiently epidotised.	Disseminated pyrite occurs as vein infillings up to 10% of core volume, average 1-3% associated with fine grained traces of galena & sphalerite. Disseminated pyrite occurs in trace amounts within rhyolite.	33059	34							Thin section sample	Rhyolite or trachytic lava weakly mineralised.			44.5	-
															50.5	-	
															51.5	-	0.3
															53.5	-	
															54.3	-	
															56.5	-	
															57.5	-	0.1
															58.5	-	
															60.5	-	
															63.5	-	
															66.5	-	
															67.5	-	
															69.5	-	
															72.5	-	
															74.8	-	

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DEPTH (m)		ROCK DESCRIPTION	MINERALISATION	SAMPLE NO.	FROM	TO	CORE REC'D	ASSAY DATA							CORE REC'D		
FROM	TO							Sample Length	Pb	Zn	Cu	Ag - g/t	Au - g/t	Fe	Mn	RUN	SHORT
92	93	<u>Rhyolitic Fragmental</u> dark green slightly cleaved epidotised banded rhyolitic fragmental.	Trace fine grained galena & sphalerite on shear faces Trace disseminated pyrite fine grained.	29793	110	115	5.0	5.0	710	1050	15			2.4%	1100	77.5	1.0
				794	115	120	3.9	5.0	480	2950	40			1.0%	950	78.5	-
				795	120	125	4.6	5.0	350	535	5			7250	1200	81.5	-
				796	125	128	4.7	3.0	370	780	5			1.2%	1400	84.5	-
93	106.5	<u>Rhyolite</u> pale grey fractured porphyritic siliceous rhyolite minor quartz and carbonate veins.	Trace sphalerite & galena associated with tension fractures with occasional chalcopyrite. Up to 2% total sulphides. Trace disseminated pyrite in ground mass.	33062	98		Thin	section	sample							87.5	-
				063	110		"	"	"					Mineralised rhyolite		90.5	-
				064	125		"	"	"					Rhyolite lava-breccia		93.5	-
																96.5	0.2
106.5	109.5	<u>Trachy-rhyolite</u> olive green porphyritic cleaved (flow banded?) trachy-rhyolite intrusive? Phenocrysts of feldspar. Fragments of siliceous rhyolite. Fine grained olive green matrix	Trace dissemination pyrite, quartz and carbonate veins.													102.5	-
																108.5	0.5
																111.5	-
																114.5	-
																117.5	0.9
																120.5	0.3
																123.5	0.4
																126.5	0.3
																128	-
109.5	121.4	<u>Rhyolite</u> dark grey porphyritic locally brecciated massive siliceous rhyolite cut by quartz and carbonate veins up to 2cm wide.	Well mineralised upto 10% pyrite by volume in fractures and disseminated throughout rhyolite. Up to 2% galena & sphalerite associated with late stage fracturing and veining. Mineralisation less concentrated with depth														
121.4	128	<u>Rhyolite Breccia</u> grey-pale green-pink mottled rhyolite breccia consisting of fragments of porphyritic siliceous rhyolite up to 8cm in length in a fine grained matrix of smaller fragments, sericite, chlorite. Slightly epidotised in places.	Trace disseminated pyrite and galena.														

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