RGC EXPLORATION PTY LTD

PARTING LAKE PROSPECT

SURFACE DIAMOND DRILLHOLE : PL001

PROJECT IDEN :PARTING_LA START DATE : 1 JAN 90 COMPLETION DATE : LOGGED BY:
COLLAR NORTHING: 362230.00 COLLAR EASTING : 361190.00 COLLAR ELEVATION: 190.00 GRID AZIMUTH : 0.00
DRILLED BY : TOTAL LENGTH : 673.00 CORE/HOLE SIZE :

SURVEY FLAG	SURVEY POINT LOCATION	FORESIGHT	AZIMUTH (DEGREES)	VERTICAL ANGLE (DEGREES)	NORTHING	EASTING	ELEVATION
000	0.00		250.00	-55.00	362230.00	361190.00	190.00
001	15.00		251.00	-56.00			
002	45.00		251.50	-55.00			
003	75.00		252.00	-54.80			
004	105.00		252.00	-54.40			
005	135.00		250.00	-54.00			
006	165.00		248.50	-53.80			
007	195.00		248.00	-53.00			
008	225.00		248.50	-52.80			
009	255.00		249.00	-52.00			
010	285.00		249.00	-52.00			
011	315.00		248.00	-50.80			
012	345.00		248.00	-49.00			
013	375.00		248.50	-47.00			
014	405.00		248.00	-45.50			
015	435.00		248.00	-44.50			
016	465.00		247.50	-43.00			
017	495.00		247.50	-42.00			
018	525.00		248.00	-42.00			
019	555.00		248.00	-41.30			
020	585.00		248.00	-41.00			
021	615.00		248.00	-41.00			
022	645.00		249.00	-38.50			
023	666.50		250.50	-37.80			
024	673.00		249.50	-36.00			

R HED This hole was drilled Westward from the Parting Lake Road at an
R HED inclination of -55 degrees. It was targetted to intersect a
R HED series of Westerly dipping thrust faults below 500m
R HED downhole.These thrusts are located above a gravity
R HED interpreted cupola, and appear to be the feeder conduits for
R HED the old Zeehan Montana and Zeehan Western silver-lead mines.
R HED The hole was drilled to determine if carbonates are interbedded
R HED within the Upper Oonah Formation , and if such carbonates show
R HED evidence of replacement base metal and/or stanniferous
R HED mineralisation in the vicinity of the thrust faults. The style
R HED of mineralisation expected is modelled on Queen Hill, and
R HED Sylvester replacemant deposits.

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SURFACE DIAMOND DRILLHOLE : PL001 (CONTINUED)

R HED The hole was collared in Gordon LImestone which is
R HED partially recrystallised, with minor disseminated galena. At
R HED 521.15m the hole passed through a fault into Upper Oonah
R HED Formation siltstones, mudstones and greywackes, which are
R HED highly disturbed and intersected by numerous faults.
R HED These sediments became less deformed below about 300m, and a
R HED large body of agglomeritic Montana Metaphyric Volcanics was
R HED encountered over the interval 513.6 - 601.7m . No significant
R HED carbonates were encountered in the Upper Oonah Formation, and
R HED no significant mineralisation was encountered. A few minor
R HED sideritic veins were intersected.

- Interval From (m)	To (m) -	Description	Unit
0.00	10.00	NO CORE (PRECOLLAR). STRUCTURE: p.	
10.00	52.15	ORDOVICIAN GORDON LIMESTONE WEATHERED LIMESTONE: 7a. STRUCTURE: moderately broken core p f. TEXTURE: massive, stylolitic.	
R 10.00	52.15	Massive medium grained Gordon Limestone. Fizzes strongly	
R 10.00	52.15	in diluted HCL, locally moderately weathered,	
R 10.00	52.15	vuggy and broken. Partially altered and recrystallised toward	
R 10.00	52.15	base.Characterised by presence of abundant calcite and siderite	
R 10.00	52.15	occuring as regular veins, irregular veins and patches	
R 10.00	52.15	associated with incident brecciation and as disseminations.	
R 10.00	52.15	Veins and patches typically possess a calcite core rimmed with	
R 10.00	52.15	siderite. About 1% galena is present in these altered zones as	
R 10.00	52.15	disseminated subhedral crystals, irregular stringers and	
R 10.00	52.15	occasionally as euhedral crystals/lining vughs. Lesser amounts	
R 10.00	52.15	of red to reddish-brown translucent sphalerite occurs as	
R 10.00	52.15	disseminated crystals. Some sideritic alteration is associated	
R 10.00	52.15	with stylolites	
		10.00 - 28.30 40% ORDOVICIAN GORDON LIMESTONE WEATHERED LIMESTONE: 7a. STRUCTURE: very strongly broken core with core loss, d f. TEXTURE: vuggy, stylolitic. 35.70 - 36.50 100% ORDOVICIAN GORDON LIMESTONE LIMESTONE: au. STRUCTURE: moderately broken core d f. TEXTURE: massive, recrystallised. ALTERATION: moderately al, weakly wd, veins disseminations & scattered crystals o. MINERALOGY: disseminations = veins of 10% talc, disseminations & scattered crystals o 1%, siderite. 38.30 - 40.00 90% ORDOVICIAN GORDON LIMESTONE LIMESTONE: au. STRUCTURE: moderately broken core d f. TEXTURE: massive, recrystallised.	

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SURFACE DIAMOND DRILLHOLE : PL001 (CONTINUED)

	- Interval - From (m)	To (m)	Description	Unit
			ALTERATION: moderately al, weakly wd, veins disseminations & scattered crystals o. MINERALOGY: disseminations > veins of 20% talc, disseminations & scattered crystals o 0.3%, siderite.	
R	42.60	50.70	This zone is variably brecciated and faulted, with up to 2.5%	
R	42.60	50.70	galena. Microfaults at 45-50 degrees to the CA post-date	
R	42.60	50.70	mineralisation. Siderite patches and galena veins are clearly	
R	42.60	50.70	displaced across these microfaults, which have observed	
R	42.60	50.70	displacements of a few cm's. The microfaults also post-date	
R	42.60	50.70	a locally devloped foliation at 45 degrees to C.A. (shear	
R	42.60	50.70	fabric?).	
			42.60 - 48.20 90% ORDOVICIAN GORDON LIMESTONE LIMESTONE: au. STRUCTURE: d f. TEXTURE: massive, recrystallised, veined, microfaults. ALTERATION: moderately al, weakly wd, veins disseminations & scattered crystals o. MINERALOGY: disseminations = veins of 30% talc, disseminations < veins of 10% magnetite, disseminations > veins of 0.1% disseminations & scattered crystals o sphalerite, 1%, veins disseminations & scattered crystals o siderite. 48.20 - 50.70 100% ORDOVICIAN GORDON LIMESTONE LIMESTONE: 7a. STRUCTURE: strongly broken core due to faulting, d fault ca, fault: ca 45. TEXTURE: tightly folded, brecciated. ALTERATION: weakly al, weakly wd. MINERALOGY: 50 quartz, patchy 5% talc, disseminations & scattered crystals o 1%. 50.70 - 52.14 100% ORDOVICIAN GORDON LIMESTONE LIMESTONE: au. STRUCTURE: moderately broken core d f. TEXTURE: massive, recrystallised. ALTERATION: moderately al, weakly wd, patchy. MINERALOGY: patchy 20% talc, patchy 5% magnetite, disseminations & scattered crystals o 1%, siderite.	
	52.15	52.45	FAULT: 5a. STRUCTURE: p fault ca. TEXTURE: sheared. ALTERATION: moderately graphite. MINERALOGY: 40 quartz, disseminations & scattered crystals o graphite pyrite, 1% chalcopyrite, 20% disseminations & scattered crystals o.	
	52.45	101.50	PRECAMBRIAN UPPER OONAH FM SILTSTONE: 5a. STRUCTURE: strongly broken core along bedding, p.	

RGC EXPLORATION PTY LTD
PARTING LAKE PROSPECT
SURFACE DIAMOND DRILLHOLE : PL001 (CONTINUED)

	- Interval - From (m)	To (m)	Description	Unit
			TEXTURE: fine bedded, medium bedded, disturbed, boudinaged. ALTERATION: moderately carbonate. MINERALOGY: disseminations & scattered crystals o 1% chalcopyrite.	
R	52.45	101.50	The interval in general exhibits high strain with consequent	
R	52.45	101.50	boudinaging of some thin sandy interbeds & localised	
R	52.45	101.50	graphitisation of carbonaceous siltstones. A weak cleavage is	
R	52.45	101.50	occasionally observed. BCA's vary 20 - 70, AVE 40.	
			52.45 - 101.50 100% SANDSTONE: 5a. STRUCTURE: n. TEXTURE: medium bedded, disturbed, sand grade coarse fraction. 52.45 - 58.00 40% FAULT,SHEAR ZONE. STRUCTURE: very strongly broken core n shear ca. TEXTURE: strongly sheared. ALTERATION: strongly graphite. MINERALOGY: 40 quartz, graphite pyrite, 20% disseminations & scattered crystals o. 61.00 - 66.00 40% PRECAMBRIAN UPPER OONAH FM SILTSTONE: 5a. STRUCTURE: very strongly broken core d. TEXTURE: moderately sheared, medium bedded, disturbed, boudinaged. ALTERATION: strongly graphite. MINERALOGY: disseminations & scattered crystals o graphite pyrite, 1% chalcopyrite, 10% disseminations & scattered crystals o. 69.50 - 70.00 100% BRECCIA. STRUCTURE: n lower contact ca. MINERALOGY: 50 quartz. 72.70 - 73.40 100% FAULT. STRUCTURE: n fault ca. TEXTURE: folded, strongly sheared, fibrous. ALTERATION: strongly graphite. MINERALOGY: patchy 80 quartz, 10% siderite, patchy graphite pyrite, 5% chalcopyrite, 10% disseminations & scattered crystals o. 74.60 - 76.00 60% FAULT. STRUCTURE: n fault ca. ALTERATION: moderately graphite. MINERALOGY: 70 quartz, graphite pyrite, 10% disseminations & scattered crystals o. 83.60 - 85.90 100% BRECCIA. STRUCTURE: strongly broken core due to faulting, n upper contact ca, lower contact: ca 15. ALTERATION: pervasive breccia fillings of.	

RGC EXPLORATION PTY LTD
PARTING LAKE PROSPECT
SURFACE DIAMOND DRILLHOLE : PL001 (CONTINUED)

	- Interval - From (m)	To (m)	Description	Unit
			MINERALOGY: breccia fillings of 35 quartz, 10% siderite, breccia fillings of 5% magnetite, sc.	
			87.90 - 90.30 100% FAULT.	
			STRUCTURE: strongly broken core due to faulting, n fault ca.	
			ALTERATION: moderately graphite, moderately pu.	
			MINERALOGY: 35 quartz, graphite pyrite, 10% disseminations & scattered crystals o.	
			90.20 - 90.30 100% PRECAMBRIAN UPPER OONAH FM SILTSTONE: 5a.	
			STRUCTURE: strongly broken core along bedding, d.	
			TEXTURE: fine bedded, medium bedded, disturbed, boudinaged.	
			ALTERATION: intensely graphite.	
			MINERALOGY: disseminations & scattered crystals o graphite pyrite, 1% chalcopyrite, 90% massive.	
R	98.00	101.50	This interval has graphitic stylolites developed in the	
R	98.00	101.50	incipient brecciated carbonaceous siltstone host.The stylolites	
R	98.00	101.50	clearly truncate and thus post-date the quartz-carbonate	
R	98.00	101.50	stockwork.	
			98.00 - 101.50 100% PRECAMBRIAN UPPER OONAH FM SILTSTONE: 5a.	
			STRUCTURE: strongly broken core along bedding, d fault ca.	
			TEXTURE: brecciated, tightly folded, disturbed, boudinaged.	
			ALTERATION: weakly graphite.	
			MINERALOGY: breccia fillings of 45 quartz, 2.5% siderite, breccia fillings of 5% magnetite, disseminations & scattered crystals o graphite pyrite, 1% chalcopyrite, 5% disseminations & scattered crystals o.	
	101.50	106.00	FAULT,BRECCIA: 5a.	
			STRUCTURE: strongly broken core due to faulting, p fault ca, shear: ca 45.	
			MINERALOGY: 15 quartz, interstitial 10% magnetite, 2.5% disseminations & scattered crystals o sericite, 2.5% amygdaloids of chlorite.	
R	101.50	106.00	This is a complex fault interval containing the following :	
R	101.50	106.00	A) Fragmental spilite - consisting of angular/lenticular	
R	101.50	106.00	fragments of highly vesicular spilitic lava aligned with a	
R	101.50	106.00	variable developed (shear) fabric. Larger sub-angular fragments	
R	101.50	106.00	up to 10 cm occur infrequently and the fabric "wraps" around	
R	101.50	106.00	these. Matrix is carbonate rich.	
R	101.50	106.00	B) Highly deformed pelites, exhibiting deformation grading from	
R	101.50	106.00	isoclinal folding and boudinaging of sandy interbeds, to	
R	101.50	106.00	complete brecciation.	
R	101.50	106.00	C) Discrete faults with fibre development, cutting earlier	
R	101.50	106.00	tectonic features listed above at 5 - 15 degrees to the C.A.	
R	101.50	106.00	The contacts between spilitic and pelitic breccia's are mostly	

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PARTING LAKE PROSPECT
SURFACE DIAMOND DRILLHOLE : PL001 (CONTINUED)

	- Interval - From (m)	To (m)	Description	Unit
R	101.50	106.00	sharp and disconformable to remnant bedding in the pelites.	
R	101.50	106.00	However, some contacts are jagged and the adjoining spilite	
R	101.50	106.00	contains up to 50% pelitic fragments, the amount declining away	
R	101.50	106.00	from the contact. Deformation features include an early ductile	
R	101.50	106.00	high strain fabric at about 45 degrees to the C.A. on average,	
R	101.50	106.00	and later ductile structures at 5 - 15 degrees to the C.A.	
R	101.50	106.00	The interval is summarised as a highly deformed interbedded	
R	101.50	106.00	spilite and pelite.	
			101.50 - 101.80 100% FAULT,BRECCIA: 5a.	
			STRUCTURE: strongly broken core due to faulting, d fault ca, shear: ca 45.	
			MINERALOGY: 15 quartz, interstitial 10% magnetite, 2.5% disseminations & scattered crystals o sericite, 2.5% amygdaloids of chlorite, disseminations & scattered crystals o 2.5% chalcopyrite.	
	106.00	130.50	PRECAMBRIAN UPPER OONAH FM SILTSTONE: 3a.	
			STRUCTURE: strongly broken core along bedding, p bedding facing downhole, ca.	
			TEXTURE: fine bedded, disturbed, boudinaged, soft sediment slumping.	
			ALTERATION: strongly carbonate, weakly mi.	
			MINERALOGY: 50 quartz, patchy graphite pyrite, 0.1% chalcopyrite, 2.5% disseminations & scattered crystals o.	
			110.20 - 112.50 50% PRECAMBRIAN MONTANA METAPHYRIC VOLCAN BASALT: 7a.	
			STRUCTURE: n lower contact ca, j.	
			TEXTURE: moderately foliated, vesicular, boudinaged.	
			ALTERATION: strongly al.	
			MINERALOGY: 50 quartz, pervasive 40% magnetite, 2.5% pervasive sericite, 2.5% patchy chlorite, disseminations & scattered crystals o clay pyrite, 1% chalcopyrite, 20% pervasive.	
R	110.21	112.50	The contacts are sharp, irregular and discordant, and the lava	
R	110.21	112.50	is altered(spilitic), and very vesicular. Probably upper	
R	110.21	112.50	level intrusive/extrusive. High strain has collapsed vesicles	
R	110.21	112.50	locally to produce strong foliation, and thinner spilites are	
R	110.21	112.50	boudinaged.	
			113.90 - 114.50 40% FAULT.	
			STRUCTURE: n fault ca.	
			MINERALOGY: 30 quartz.	
			118.30 - 118.50 100% BASALT: 7u.	
			STRUCTURE: n bedding ca.	
			TEXTURE: fine grained.	
			ALTERATION: strongly al.	

RGC EXPLORATION PTY LTD
PARTING LAKE PROSPECT
SURFACE DIAMOND DRILLHOLE : PL001 (CONTINUED)

	- Interval - From (m)	To (m)	Description	Unit
			MINERALOGY: 45 quartz. 123.00 - 126.00 40% PRECAMBRIAN UPPER OONAH FM FAULT: 3a. STRUCTURE: very strongly broken core due to faulting, d fault facing downhole, ca, vein: ca 10. TEXTURE: fine bedded, disturbed, boudinaged, soft sediment slumping. ALTERATION: strongly carbonate, weakly mi. MINERALOGY: 40 quartz, veins of 0.3% talc, veins of 1% magnetite, patchy graphite pyrite, 0.1% chalcopyrite, 2.5% patchy. 127.50 - 128.00 100% BASALT. STRUCTURE: n. TEXTURE: massive, vesicular. ALTERATION: strongly al.	
	130.50	136.70	PRECAMBRIAN MONTANA METAPHYRIC VOLCAN BASALT: 5a. STRUCTURE: weakly broken core p lower contact ca. TEXTURE: massive. ALTERATION: strongly al. MINERALOGY: 60 quartz, pervasive 40% magnetite, 5% pervasive sericite, 5% patchy chlorite, clay pyrite, 20% pervasive.	
R	130.50	136.70	Both contacts are puggy and broken.	
	136.70	194.00	PRECAMBRIAN UPPER OONAH FM SILTSTONE: 3a. STRUCTURE: weakly broken core p bedding facing downhole, ca. TEXTURE: massive, coarse bedded, graded bedded. MINERALOGY: 45 quartz. 145.60 - 148.00 100% SILTSTONE: 7a. STRUCTURE: n bedding ca. TEXTURE: medium bedded, boudinaged. MINERALOGY: 65 quartz. 151.90 - 168.10 90% PRECAMBRIAN UPPER OONAH FM SILTSTONE: 3a. STRUCTURE: weakly broken core d bedding facing downhole, ca. TEXTURE: massive, coarse bedded, graded bedded. MINERALOGY: 45 quartz, stockwork of 5% magnetite, patchy graphite pyrite, 0.3% chalcopyrite, 2.5% styolite fillings of. 152.40 - 153.10 100% PRECAMBRIAN UPPER OONAH FM SILTSTONE: 3a. STRUCTURE: weakly broken core d lower contact facing downhole, ca. TEXTURE: massive, coarse bedded, graded bedded. MINERALOGY: 45 quartz, graphite pyrite, 90% massive.	
R	168.40	177.90	This is an intraclastic greywacke possessing sub-angular clasts	
R	168.40	177.90	similar to light grey siltstones,in a dark grey matrix. The	
R	168.40	177.90	matrix is locally sandy and graded. 168.40 - 177.90 90% GREYWACKE: 5a.	

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PARTING LAKE PROSPECT
SURFACE DIAMOND DRILLHOLE : PL001 (CONTINUED)

- Interval - From (m)	To (m)	Description	Unit
		STRUCTURE: n. TEXTURE: massive. 169.70 - 169.95 100% STRUCTURAL MEASUREMENT. STRUCTURE: n bedding 010 /. MINERALOGY: 80 quartz. 170.15 - 170.25 100% STRUCTURAL MEASUREMENT. STRUCTURE: n bedding 360 /. MINERALOGY: 80 quartz. 176.90 - 177.40 90% CONGLOMERATE: 7a. STRUCTURE: n. ALTERATION: strongly calcite. 176.90 - 177.10 100% STRUCTURAL MEASUREMENT. STRUCTURE: n bedding 220 /. MINERALOGY: 80 quartz. 177.90 - 178.00 100% STRUCTURAL MEASUREMENT. STRUCTURE: n bedding 015 /. MINERALOGY: 65 quartz. 179.50 - 179.60 100% STRUCTURAL MEASUREMENT. STRUCTURE: n bedding 010 /. MINERALOGY: 65 quartz.	
194.00	204.90	PRECAMBRIAN UPPER OONAH FM SILTSTONE: 5a. STRUCTURE: weakly broken core p bedding ca. TEXTURE: massive. MINERALOGY: 60 quartz, disseminations & scattered crystals o 2.5% chalcopyrite.	
204.90	207.60	FAULT,SHEAR ZONE: n. STRUCTURE: very strongly broken core due to faulting, p fault ca. MINERALOGY: infilling of shear/fault by 65 quartz, 2.5% siderite, infilling of shear/fault by 5% magnetite, patchy graphite pyrite, 2.5% chalcopyrite, 10% infilling of shear/fault by.	
207.60	293.50	SILTSTONE: 5a. STRUCTURE: moderately broken core p bedding ca, g. TEXTURE: massive, graded bedded. MINERALOGY: veins of 50 quartz, veins of 1% siderite, 0.3% talc, veins of 0.3% magnetite. 207.60 - 209.70 100% SANDSTONE+SILTSTONE: 7a. STRUCTURE: n. TEXTURE: fine bedded, disturbed. ALTERATION: weakly dolomite. MINERALOGY: disseminations & scattered crystals o 2.5% chalcopyrite.	

RGC EXPLORATION PTY LTD
PARTING LAKE PROSPECT
SURFACE DIAMOND DRILLHOLE : PL001 (CONTINUED)

- Interval - From (m)	To (m)	Description	Unit
		210.00 - 211.70 20% DOLOMITE: 7a. STRUCTURE: n. MINERALOGY: disseminations & scattered crystals o 2.5% chalcopyrite. 210.30 - 232.90 40% FAULT,SHEAR ZONE: n. STRUCTURE: very strongly broken core due to faulting, n. TEXTURE: moderately sheared. ALTERATION: strongly graphite. MINERALOGY: disseminations & scattered crystals o graphite pyrite, 1% chalcopyrite, 20% infilling of shear/fault by. 219.10 - 288.80 5% GREYWACKE: 3a. STRUCTURE: n. ALTERATION: weakly calcite. 249.60 - 249.90 100% STRUCTURAL MEASUREMENT. STRUCTURE: n fault 050 /. MINERALOGY: 55 quartz. 250.20 - 250.30 100% STRUCTURAL MEASUREMENT. STRUCTURE: n fault 010 /. MINERALOGY: 55 quartz. 250.80 - 250.95 100% STRUCTURAL MEASUREMENT. STRUCTURE: n fault 060 /. MINERALOGY: 75 quartz. 273.80 - 274.10 100% STRUCTURAL MEASUREMENT. STRUCTURE: n bedding 010 /. MINERALOGY: 80 quartz. 273.80 - 273.81 100% STRUCTURAL MEASUREMENT. STRUCTURE: n fault 040 /. MINERALOGY: 75 quartz. 274.50 - 276.90 100% SILTSTONE: ch 5a. STRUCTURE: moderately broken core d bedding ca, g. TEXTURE: massive, graded bedded. ALTERATION: silicified. MINERALOGY: veins of 50 quartz, veins of 5% siderite, 5% talc, veins of 0.3% magnetite. 275.10 - 275.12 100% STRUCTURAL MEASUREMENT. STRUCTURE: n fault 195 /, slickensides: 180 / 50. MINERALOGY: 50 quartz. 288.80 - 293.50 100% GREYWACKE: n. STRUCTURE: n. TEXTURE: disturbed. ALTERATION: moderately graphite.	
293.50	295.30	FAULT. STRUCTURE: very strongly broken core due to faulting, p.	

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SURFACE DIAMOND DRILLHOLE : PL001 (CONTINUED)

- Interval - From (m)	To (m)	Description	Unit
		TEXTURE: slickensided. ALTERATION: moderately graphite. MINERALOGY: disseminations & scattered crystals o graphite pyrite, 2.5% chalcopyrite, 20% infilling of shear/fault by.	
295.30	335.50	SANDSTONE+SILTSTONE: 5a. STRUCTURE: strongly broken core p. TEXTURE: fine bedded, disturbed, soft sediment slumping. 295.30 - 335.50 40% MELANGE: 5a. STRUCTURE: n. TEXTURE: massive. 300.90 - 302.10 100% SANDSTONE+SILTSTONE: 5a. STRUCTURE: strongly broken core d. TEXTURE: convoluted folded, disturbed, soft sediment slumping. 302.10 - 310.00 100% SANDSTONE: 7a. STRUCTURE: n. TEXTURE: medium bedded. 318.20 - 319.20 100% SANDSTONE+SILTSTONE: pu 5a. STRUCTURE: strongly broken core d. TEXTURE: sheared, disturbed, soft sediment slumping. ALTERATION: moderately graphite. MINERALOGY: infilling of shear/fault by 10% siderite, graphite pyrite, 10% infilling of shear/fault by. 319.20 - 320.80 50% VEIN. STRUCTURE: n. MINERALOGY: veins of veins of 80% siderite, 10% talc.	
335.50	366.50	PRECAMBRIAN UPPER OONAH FM SANDSTONE+SILTSTONE: 5a. STRUCTURE: p lower contact: ca 50. TEXTURE: fine bedded, cleaved, tightly folded. MINERALOGY: veins of veins of 1% siderite, 1% talc.	
R 335.50	366.50	Tightly folded with moderate to weak cleavage. Beds have	
R 335.50	366.50	deformed without fracturing or boudinaging. 342.90 - 348.30 50% FAULT. STRUCTURE: n fault ca. ALTERATION: strongly graphite. MINERALOGY: infilling of shear/fault by 05 quartz, 2.5% siderite, patchy graphite pyrite, 1% chalcopyrite, 20% infilling of shear/fault by.	
366.50	371.00	PRECAMBRIAN MONTANA METAPHYRIC VOLCAN BASALT. STRUCTURE: p lower contact ca, p. TEXTURE: massive, vesicular. ALTERATION: strongly al.	

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SURFACE DIAMOND DRILLHOLE : PL001 (CONTINUED)

	- Interval - From (m)	To (m)	Description	Unit
			MINERALOGY: 45 quartz, disseminations & scattered crystals o 10% magnetite, 10% disseminations & scattered crystals o sericite, 5% amygdaloids of chlorite, disseminations & scattered crystals o 1% chalcopyrite.	
R	366.50	371.00	Massive, altered (spilitic) vesicular basalt.	
R	366.70	366.71	Fibre ? normal movement.	
			366.70 - 366.71 100% STRUCTURAL MEASUREMENT.	
			STRUCTURE: n fault 040 /, slickensides: 060 / 60.	
			MINERALOGY: 50 quartz.	
			367.30 - 367.35 100% STRUCTURAL MEASUREMENT.	
			STRUCTURE: n fault 260 /, fibre: 190 / 60.	
			MINERALOGY: 80 quartz.	
R	367.31	367.35	The fibres indicate reverse movement (slightly oblique).	
			368.40 - 368.50 100% STRUCTURAL MEASUREMENT.	
			STRUCTURE: n fault 215 /, slickensides: 280 / 60.	
			MINERALOGY: disseminations < veins of 75 quartz.	
			370.98 - 371.00 100% STRUCTURAL MEASUREMENT.	
			STRUCTURE: n fault 080 /.	
			MINERALOGY: 80 quartz.	
	371.00	374.00	PRECAMBRIAN UPPER OONAH FM SANDSTONE+SILTSTONE: 5a.	
			STRUCTURE: moderately broken core along bedding, p bedding ca, g.	
			TEXTURE: fine bedded, disturbed.	
			MINERALOGY: 45 quartz.	
R	371.00	374.00	Beds are broken over about 50% of th interval, grading into	
R	371.00	374.00	angular intraclast conglomerate. A soft-sediment deformation	
R	371.00	374.00	feature.	
			371.08 - 371.10 100% STRUCTURAL MEASUREMENT.	
			STRUCTURE: n fault 030 /.	
			MINERALOGY: 70 quartz.	
			371.20 - 371.22 100% STRUCTURAL MEASUREMENT.	
			STRUCTURE: n fault 065 /, slickensides: 020 / 65.	
			MINERALOGY: 70 quartz.	
R	371.21	371.22	Fibres suggest reverse movement.	
			371.40 - 371.50 100% STRUCTURAL MEASUREMENT.	
			STRUCTURE: n bedding 060 /.	
			MINERALOGY: 75 quartz.	
	374.00	464.00	PRECAMBRIAN UPPER OONAH FM SILTSTONE: 7a.	
			STRUCTURE: weakly broken core along bedding, p bedding ca.	
			TEXTURE: massive, coarse bedded, disturbed, soft sediment slumping.	
			MINERALOGY: 45 quartz.	
R	374.00	464.00	A monotonous sequence of massive light grey siltstone and black	

RGC EXPLORATION PTY LTD
PARTING LAKE PROSPECT
SURFACE DIAMOND DRILLHOLE : PL001 (CONTINUED)

	Interval From (m)	Interval To (m)	Description	Unit
R	374.00	464.00	calcareous carbonaceous mudstone. The former is often	
R	374.00	464.00	dismembered due to slumping. Both are poorly bedded except for	
R	374.00	464.00	occasional gradded beds.	
			374.00 - 464.00 50% MUDSTONE: n.	
			STRUCTURE: n.	
			TEXTURE: massive.	
			ALTERATION: weakly calcite, moderately cb.	
			374.00 - 389.00 100% PRECAMBRIAN UPPER OONAH FM SILTSTONE: 7a.	
			STRUCTURE: weakly broken core along bedding, d bedding ca.	
			TEXTURE: massive, coarse bedded, disturbed, soft sediment slumping.	
			MINERALOGY: 45 quartz, veins of 1% talc, veins of 2.5% magnetite, disseminations & scattered crystals o 1% chalcopyrite.	
			374.20 - 374.30 100% STRUCTURAL MEASUREMENT.	
			STRUCTURE: n fibre 270 /.	
			MINERALOGY: 65 quartz.	
R	374.21	374.30	Fibres indicate reverse movement.	
			390.50 - 392.30 100% PRECAMBRIAN UPPER OONAH FM SILTSTONE: 7a.	
			STRUCTURE: weakly broken core along bedding, d shear ca.	
			TEXTURE: moderately sheared, coarse bedded, disturbed, soft sediment slumping.	
			MINERALOGY: 30 quartz, graphite pyrite, 5% clasts of.	
			393.10 - 394.00 100% FAULT.	
			STRUCTURE: n fault ca.	
			MINERALOGY: 75 quartz.	
			403.50 - 403.60 100% STRUCTURAL MEASUREMENT.	
			STRUCTURE: n fault 290 /.	
			MINERALOGY: 45 quartz.	
			404.40 - 404.50 100% STRUCTURAL MEASUREMENT.	
			STRUCTURE: n bedding 320 /.	
			MINERALOGY: 35 quartz.	
			406.30 - 406.35 100% STRUCTURAL MEASUREMENT.	
			STRUCTURE: n fault 355 /.	
			MINERALOGY: 55 quartz.	
			408.10 - 408.30 100% STRUCTURAL MEASUREMENT.	
			STRUCTURE: n fault 355 /.	
			MINERALOGY: 65 quartz.	
			413.50 - 413.65 100% STRUCTURAL MEASUREMENT.	
			STRUCTURE: n fault 340 /.	
			MINERALOGY: 65 quartz.	
R	427.10	428.90	Medium bedded possibly tufaceous siltstone with graded beds,	
R	427.10	428.90	facing downhole, B.C.A. 15.	
			440.30 - 440.35 100% STRUCTURAL MEASUREMENT.	
			STRUCTURE: n fault 100 /, fibre: 055 / 30.	

RGC EXPLORATION PTY LTD
PARTING LAKE PROSPECT
SURFACE DIAMOND DRILLHOLE : PL001 (CONTINUED)

	- Interval - From (m)	To (m)	Description	Unit
			MINERALOGY: 35 quartz.	
R	440.31	440.35	Fibres suggest reverse movement.	
			441.25 - 441.30 100% STRUCTURAL MEASUREMENT.	
			STRUCTURE: n fault 125 /, fibre: 060 / 10.	
			MINERALOGY: 20 quartz.	
	464.00	478.00	SANDSTONE+SILTSTONE: 5a.	
			STRUCTURE: strongly broken core along bedding, p g.	
			TEXTURE: fine bedded, laminated, folded.	
			MINERALOGY: veins of veins of 1% siderite, 1% talc.	
	478.00	513.60	PRECAMBRIAN UPPER OONAH FM SILTSTONE: 7a.	
			STRUCTURE: moderately broken core p.	
			TEXTURE: medium bedded, disturbed, soft sediment slumping.	
			478.00 - 513.60 40% MUDSTONE: n.	
			STRUCTURE: n.	
			ALTERATION: weakly cc.	
			482.40 - 486.60 100% SANDSTONE+SILTSTONE: 5a.	
			STRUCTURE: n.	
			TEXTURE: fine bedded, disturbed, folded.	
			492.10 - 494.00 100% VEIN.	
			STRUCTURE: n vein ca, basal contact: ca 45.	
			MINERALOGY: veins of 80 quartz, veins of 30% siderite, 50% talc, patchy 0.3%.	
			494.30 - 495.50 100% PRECAMBRIAN UPPER OONAH FM SILTSTONE: 7a.	
			STRUCTURE: moderately broken core d shear ca.	
			TEXTURE: sheared, disturbed, soft sediment slumping.	
			ALTERATION: moderately graphite.	
			MINERALOGY: 70 quartz, graphite pyrite, 10% clasts of.	
			498.30 - 498.32 100% STRUCTURAL MEASUREMENT.	
			STRUCTURE: n fault 065 /, fault: 065 / 05.	
			MINERALOGY: 05 quartz.	
			498.70 - 498.75 100% STRUCTURAL MEASUREMENT.	
			STRUCTURE: n fibre 085 /, fibre: 045 / 35.	
			MINERALOGY: 40 quartz.	
R	498.71	498.75	Fibres indicate normal movement.	
			499.10 - 499.12 100% STRUCTURAL MEASUREMENT.	
			STRUCTURE: n fault 085 /, fibre: 020 / 15.	
			MINERALOGY: 35 quartz.	
R	499.11	499.12	Fibres indicate sinistral strike slip.	
			505.70 - 507.00 50% VEIN.	
			STRUCTURE: n vein ca.	
			MINERALOGY: veins of 45 quartz, veins of 30% siderite, 60% talc, disseminations & scattered crystals o 2.5% chalcopyrite.	

RGC EXPLORATION PTY LTD
PARTING LAKE PROSPECT
SURFACE DIAMOND DRILLHOLE : PL001 (CONTINUED)

	- Interval - From (m)	To (m)	Description	Unit
			508.50 - 513.60 80% SANDSTONE+SILTSTONE. STRUCTURE: strongly broken core along bedding, n bedding ca. TEXTURE: fine bedded. MINERALOGY: 50 quartz.	
	513.60	601.75	PRECAMBRIAN MONTANA METAPHYRIC VOLCAN BASALT: ag. STRUCTURE: weakly broken core p. TEXTURE: vesicular, massive. MINERALOGY: styolite fillings of 1% siderite, macroveins of 10% magnetite, 10% pervasive sericite, 10% amygdaloids of chlorite, disseminations & scattered crystals o clay pyrite, 0.1% chalcopyrite, 20% pervasive.	
R	513.60	601.75	Altered (spilitic) basalt, highly vesicular with agglomerate	
R	513.60	601.75	texture. Chloritic alteration in vesicles. The texture exhibits	
R	513.60	601.75	strain near top of interval exhibited by compression of angular	
R	513.60	601.75	agglomerate fragments and collapse of larger vesicles. The	
R	513.60	601.75	strain decreases downhole and is mostly absent below 560m.	
R	513.60	601.75	Alteration of fragments is dominatly sericite-clay (?), and of	
R	513.60	601.75	matrix and vesicles is mostly chlorite-carbonate-(quartz).	
			536.70 - 536.72 100% STRUCTURAL MEASUREMENT. STRUCTURE: n fault 078 /, fibre: 020 / 25. MINERALOGY: 45 quartz.	
R	536.71	536.72	Reverse/oblique.	
			537.04 - 537.06 100% STRUCTURAL MEASUREMENT. STRUCTURE: n fibre 065 /, fibre: 360 / 20. MINERALOGY: 35 quartz. 537.70 - 537.72 100% STRUCTURAL MEASUREMENT. STRUCTURE: n fault 070 /, fibre: 325 / 05. MINERALOGY: 30 quartz.	
R	537.71	537.72	Dextral strike slip (upper block south).	
			539.00 - 539.02 100% STRUCTURAL MEASUREMENT. STRUCTURE: n fibre 085 /. MINERALOGY: 60 quartz.	
R	539.01	539.02	Dextral strike slip.	
			552.60 - 552.75 100% STRUCTURAL MEASUREMENT. STRUCTURE: n bedding 045 /. MINERALOGY: 70 quartz. 558.00 - 558.05 100% STRUCTURAL MEASUREMENT. STRUCTURE: n fault 005 /. MINERALOGY: 80 quartz.	
R	558.01	558.05	Strike slip.	
			584.65 - 584.70 100% STRUCTURAL MEASUREMENT. STRUCTURE: n shear 100 /. MINERALOGY: 70 quartz.	

RGC EXPLORATION PTY LTD
PARTING LAKE PROSPECT
SURFACE DIAMOND DRILLHOLE : PL001 (CONTINUED)

	- Interval - From (m)	To (m)	Description	Unit
			594.40 - 600.50 100% PRECAMBRIAN MONTANA METAPHYRIC VOLCAN BASALT: au. STRUCTURE: strongly broken core d. TEXTURE: brecciated, massive. MINERALOGY: styolite fillings of breccia fillings of 1% siderite, 10% talc, macroveins of 10% magnetite, 10% pervasive sericite, 10% amygdaloids of chlorite, disseminations & scattered crystals o clay pyrite, 0.1% chalcopyrite, disseminations & scattered crystals o 0.1% disseminations & scattered crystals o sphalerite, 20% pervasive 0.3%.	
R	594.41	600.50	NB: some of the disseminated grey mineral maybe an antimonial	
R	594.41	600.50	sulphide (?jamesonite) or even stannite.	
	601.75	624.70	SANDSTONE: 5a. STRUCTURE: weakly broken core p bedding facing downhole, ca. TEXTURE: graded bedded, medium bedded, coarse bedded. ALTERATION: moderately micas,gen. MINERALOGY: veins of 50 quartz, veins of 1% siderite, 1% talc. 601.75 - 624.70 20% SILTSTONE: 3a. STRUCTURE: moderately broken core along bedding, n. TEXTURE: graded bedded, fine bedded. MINERALOGY: veins of veins of 1% siderite, 1% talc. 603.10 - 603.40 100% BASALT: ag. STRUCTURE: moderately broken core along bedding, n. TEXTURE: brecciated. 603.20 - 603.25 100% STRUCTURAL MEASUREMENT. STRUCTURE: n bedding 100 /. MINERALOGY: 50 quartz. 603.50 - 603.60 100% STRUCTURAL MEASUREMENT. STRUCTURE: n bedding 070 /. MINERALOGY: 60 quartz. 622.70 - 623.20 100% VEIN. STRUCTURE: n vein ca. ALTERATION: 0.1% veins of. MINERALOGY: veins of 40 quartz, veins of 1% siderite, 90% talc, veins of 1% chalcopyrite, 0.1% veins of sphalerite, jm.	
EOH	624.70	673.00	SANDSTONE: 7a. STRUCTURE: moderately broken core along bedding, p bedding ca. TEXTURE: fine bedded, graded bedded. ALTERATION: moderately micas,gen. MINERALOGY: veins of 45 quartz, veins of 2.5% siderite, 2.5% talc, .03% veins of sphalerite.	
R	624.70	673.00	B.C.A.'s vary 0 - 90 and graded beds give good facing,	

RGC EXPLORATION PTY LTD
PARTING LAKE PROSPECT
SURFACE DIAMOND DRILLHOLE : PL001 (CONTINUED)

	- Interval - From (m)	To (m)	Description	Unit
R	624.70	673.00	indicating facing reversal about every 10 metres. Average	
R	624.70	673.00	B.C.A 45 degrees. Minor pale sphalerite in siderite veinlets.	
R	624.70	673.00	Siltstones are midly graphitic adjacent to faults.	

624.70 - 673.00 30% SILTSTONE: 3a.
STRUCTURE: n.
TEXTURE: fine bedded.
MINERALOGY: veins of veins of 2.5% siderite, 2.5% talc, .03% veins of sphalerite.
624.70 - 673.00 30% SILTSTONE: 3a.
STRUCTURE: n.
TEXTURE: fine bedded.
MINERALOGY: veins of veins of 2.5% siderite, 2.5% talc, .03% veins of sphalerite.
639.60 - 640.65 100% FAULT.
STRUCTURE: n fault ca.
ALTERATION: strongly graphite.
MINERALOGY: infilling of shear/fault by 35 quartz, styolite fillings of 10% siderite, 2.5% talc, 0.3% styolite fillings of sphalerite.
644.25 - 644.35 100% STRUCTURAL MEASUREMENT.
STRUCTURE: n bedding 045 /.
MINERALOGY: 70 quartz.
645.20 - 645.30 100% STRUCTURAL MEASUREMENT.
STRUCTURE: n bedding 060 /.
MINERALOGY: 75 quartz.
646.00 - 646.05 100% STRUCTURAL MEASUREMENT.
STRUCTURE: n bedding 035 /.
MINERALOGY: 75 quartz.
647.05 - 647.15 100% STRUCTURAL MEASUREMENT.
STRUCTURE: n bedding 030 /.
MINERALOGY: 70 quartz.
658.40 - 660.00 30% FAULT.
STRUCTURE: n fault ca.
MINERALOGY: infilling of shear/fault by 10 quartz, veins of 10% siderite, 2.5% talc, 0.3% veins of sphalerite.
663.00 - 663.02 100% STRUCTURAL MEASUREMENT.
STRUCTURE: n shear 130 /.
MINERALOGY: 25 quartz.
664.00 - 664.10 100% STRUCTURAL MEASUREMENT.
STRUCTURE: n bedding 110 /.
MINERALOGY: 50 quartz.