82-*890 - #10927

AYLWIN CREEK
DRILLING 1982

Slocan Mining Division N.T.S. 82F/14W

49°53'N	117°22'W
L. Haynes	1st November 1982

Owner RIOCANEX INC.
B.P. Minerals Limited
P. Leontowicz
W. Wingert

Operator Riocanex Inc.

Work Performed on:

Claim	Record
Rockland	18213/Jan.
Willa	18212/Jan.

10927

TABLE OF CONTENTS

APPENDICES

1. INTRODUCTION

The Aylwin Creek property, N.T.S. 82-F-14, is located 8 kilometres north of Silverton, and 3 kilometres northwest of Mt. Aylwin (Location Map, Appendix V). It consists of 118 units made up of optioned crown grants and single unit claims, claims staked by Riocanex and claims staked by BP Minerals. These are being explored under a joint venture agreement. The claims were staked and the joint venture formed as a result of 1979 reconnaissance work described below.

2. PREVIOUS WORK

The original crown grants were staked in the 1980's by prospectors in search of gold and copper. The Willa, Little Daisy, and Rockland tunnels were driven during the next few decades. Little ore was discovered and there was no production. In 1965 Cominco drilled four short holes in the Willa Zone. In 1969-1970 the Rockland Mining Company conducted a program of soil geochemistry, geologic mapping and diamond drilling. The twelve holes drilled encountered interesting copper-gold mineralization near the Willa tunnels, but grades were too low for the metal prices at that time. Minor molybdenum values were also noted.

J.R. Woodcock Consultants Ltd., on behalf of Riocanex, conducted in 1979 a reconnaissance mapping and lithogeochemical sampling program in search of a deep porphyry molybdenum target. Coincident Cu, Mo, W and F geochemical anomalies, and a favourable geological environment compelled Riocanex to option

the old crown grants and begin staking. Concurrently, reconnaissance work by BP Minerals led to their staking in the same area for similar reasons. A joint venture was formed with Riocanex as operator.

3. WORK BY JOINT VENTURE

Based on results of the reconnaissance in 1979 work in 1980 by Riocanex and BP comprised geological mapping and drilling of two deep holes to probe for a deep molybdenum porphyry system. While evidence of this was found it was weak and not pursued. Copper-gold-silver mineralization was intersected in several zones in an intrusive breccia in these two holes and a second programme of a further six holes 80-3 to 80-8 was drilled to pursue this. These holes vaguely defined a zone with low values of copper gold and silver with a thickness of 30-50m confined to a N-S trend across and within the intrusive breccia pipe. The pipe, with possible northerly plunge, cuts earlier dykes of quartz latite porphyry, a later felspar poprhyry and the country rock composed of volcanics, augite porphyry and minor cherty tuffaceous sediments all probably of the Rossland Group of Jurassic age. All these occur apparently within a ring-like dyke of quartz latite porphyry that, in turn, is located in a large roof pendant in the Nelson Batholith.

Further drilling was done in 1981 with the completion of drill holes 81-9 to 81-21 all drilled to test the strike and depth extensions of the N-S mineralized trend across the breccia pipe. These confirmed continuity of

the mineralization, occurring preferably in the heterogeneous intrusive breccia or adjacent fractured volcanic rocks. Mineralization is only poorly developed in porphyries. Mineralization was found to be associated with silicification and development of green silicates such as epidote and actinolite, both often as an overprint on earlier biotite related to the felspar porphyry.

The zone was determined to have a length of about 400m, a width of 15-50m and to be vertical, with suggested improvements in grades with depth. Drilling tested the zone to a depth of about 200m.

4. 1982 PROGRAMME

Drilling was again undertaken in 1982 in a programme aimed to determine the further downward extent of the mineralized zone and its grades. Two holes were drilled 200m apart to cut the zone about 200m below previous intersections.

Drilling was commenced on 1 June 1982, following road repair, replacement of culverts and site preparation. Contractor was D.W. Coates Enterprises Ltd.

The northern hole 82-22 was lost due to difficult drilling at a depth of 207.9m and 82-23 commenced at the same site. After extreme difficulty and reduction to BQ core size this hole was completed at a depth of 524.4m. A second hole 82-24, 200m south was successfully drilled, despite some difficulty due to bad ground, to a length of 565.2m.

Acid tests for dip determinations were taken in both holes. A gyroscopic compass and dip survey of hole 82-24 was carried out by Sperry Sun of Canada Ltd. Results are attached as Appendix III.

Collar locations of all holes were surveyed by R. Johnson of Nelson and tied into the grid on the property and accurate elevations above sea level measured.

Core of 82-24 and 82-23 was split where significant mineralization was noted. Additionally, a 2m section each 10 metres was split and analysed for Cu, Mo, F and W, for assistance in elucidating any possible alteration or pattern around the remaining possibility of a molybdenite porphyry. All analytical work was done by Chemex Labs, Vancouver.

Logs of the holes 82-22, 82-23 and 82-24 are attached in Appendix II with all assay and analytical results given.

Core was logged by L. Haynes and K. Heather during the period 1 June to 21 August. General assistance was given by V. Grierson.

Core is stored in racks, with all previous core from drilling in 1980-81 in a building leased in Silverton.

5. RESULTS

The known mineralized zone was not intersected in either hole 82-23 or 82-24. Both holes cut quartz latite porphyry which was unmineralized where the mineralized zone was projected. Breccia in 82-23 beyond this point was unmineralized and showed no other favourable aspects.

Drill hole 82-24 cut a hitherto unknown zone west of the known one and in this yielded grades of copper gold and silver, all in heterogenous breccia, that exceed those in the main zone.

The strike dip or other aspects of this zone are unknown and further work is being considered.

VANCOUVER
30 OCTOBER 1982

L. Haynes

L.R. HAYNES

Appendix I

STATEMENT OF QUALIFICATIONS

L. HAYNES

ACADEMIC

1972	B.Sc. Geology	University of British Columbia

PRACTICAL

1972-1982	Riocanex Inc. Vancouver, B.C.	Geologist involved in all aspects of mineral exploration in B.C., Yukon and N.W.T. Emphasis has been on the geological and geochemical appraisal of porphyry prospects at both regional and property levels.
1969-1972 (summers)	Rio Tinto Canadian Exploration Ltd. Vancouver, B.C.	Student assistant on regional and property geochemical surveys of porphyry copper prospects in South-Central B.C.

Appendix II

COST STATEMENT

AYLWIN CREEK PROJECT

DRILLING 1982

May 28 - August 20, 1982.

GENERAL COSTS

Salaries and Wages	
3 men 1 June-20 August 1982	
157 days @ $97	15,229.00
Benefits $15,229 @ 25%	3,046.00
Food and Accommodation	
3 men 157 days @ $39	6,123.00
Riocanex Equipment	
157 days @ $3	571.00
Rental Equipment	
Redhawk Truck Rental	
14 May - 20 August @ $928/mth	
Mileage Charges	3,539.00
TOTAL GENERAL	$28,508.00

Contractors

Red Mountain Ranch		
Road repair and clearing Aug. 13		$
1.5 hrs. D7 @ $36.25	$54.37	
Delivery of culvert	225.00	279.00
R. Hobbs		
Falling, skidding trees.		
July 1 - 6		
4½ days @ $150.		675.00
Valhalla Excavating		
Bridge Repair June 15.		
7 hrs. John Deere @ $40.		280.00
F. Pho Mining		
Road clearing, drill move.		
28 May - 2 June.		
51½ hrs. D7 @ $52.	2,678.00	
Transport	55.00	
		2,733.00
Bruce Jacobs Contracting		
Drill site prep. and move		
July 2 - 3		
15½ hrs. D7E @ $74.	$1,147.	
Transport	414.	
		1,561.00
Galena Contractors		
Drill demob. 20-21 July		
18½ hrs. D7E @ $102.75	$1,900.88	
Pilot Car.	200.00	
		2,100.88
R. Johnson		
Surveying roads, drill holes.		
July 21.		850.00
TOTAL PHYSICAL		$ 8,479.25

DRILLING

D. W. Coates Enterprises Ltd.
1 June - 21 Jult 1982.

General Costs		
Mobilization, demobilization		9,955.40
Supplies, core boxes, mud, cement etc.		29,947.45
		39,902.85
Drilling Costs		
DDH 82-22	207.9m	
DDH 82-23	524.4m	
	732.3m	86,387.38
DDH 82-24	565.2m	43,726.53
	TOTAL DRILLING	$ 170,016.76

Assaying

Chemex Labs Ltd.

82-23

39 samples Cu Mo F W @ 11.65
6 samples Cu Ag Au Mo F W @ 33.15
9 samples Mo F, W @ 11.90
8 samples Au, Ag @ 14.00

871.55

82-24

47 samples Cu, F, Mo, W @ 11.65
9 samples Cu Au Ag F Mo W @ 33.15
40 samples Cu Ag Au @ 23.75

1,759.90

Survey

Sperry Sun
DDH 82-24 3,370.00

ALLOCATION OF COSTS

	Willa Cl. 82-22,23	Rockland Cl. 82-24	Total
	$	$	$
General	16,078.51	12,429.49	28,508.00
Contractors	4,782.30	3,682.30	8,479.25
Drilling			
General	22,505.21	17,397.64	39,902.85
82-23,24	86,387.38		86,387.38
82-24		43,726.53	43,726.53
Surveying		3,370.00	3,370.00
Assaying			
82-23	871.55	1,759.90	2,631.45
	$ 130,624.95	$82,380.50	$213,005.45

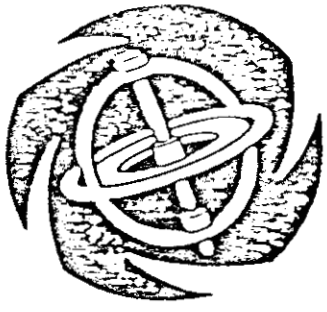
Appendix III

sperry-sun

DIRECTIONAL SURVEY REPORT

FOR

RIOCANEX INC.



TYPE OF SURVEY: GYROSCOPIC DIRECTIONAL SURVEY

SURVEY DEPTH: FROM 0 m TO 512 m

LEASE: 82-24

FIELD:/AREA: AYLWIN CREEK JV

PROVINCE: B.C. JOB NO. LR1.75-E-240

DATE OF SURVEY: 19820718

OFFICE: EDMONTON, ALBERTA

SPERRY-SUN OF CANADA
GYROSCOPIC DIRECTIONALSURVEY

RIOCANEX INC.
82-24

LR1.75-E-240
19820718

TOTAL DEPTH	DIRECTION DEG MIN	ANGLE DEG MIN	VERTICAL DEPTH	LATITUDE METRES	DEPARTURE METRES	VERTICAL SECTION	DOG LEG
0	N 88 29 E	21 10	0.00	0.00 N	0.00 E	0.00	0.00
30	N 83 10 E	20 55	28.00	0.78 N	10.73 E	10.69	1.93
60	N 83 33 E	20 30	56.06	2.01 N	21.27 E	21.27	0.44
90	N 83 19 E	20 35	84.16	3.21 N	31.73 E	31.76	0.12
120	N 83 37 E	20 40	112.23	4.42 N	42.23 E	42.30	0.14
150	N 83 40 E	20 30	140.32	5.58 N	52.71 E	52.82	0.17
180	N 83 31 E	20 20	168.43	6.75 N	63.11 E	63.25	0.17
210	N 82 56 E	20 0	196.59	7.97 N	73.38 E	73.56	0.39
240	N 82 52 E	19 40	224.81	9.23 N	83.48 E	83.72	0.33
270	N 80 49 E	18 40	253.15	10.62 N	93.23 E	93.56	1.21
300	N 80 17 E	18 20	281.60	12.19 N	102.62 E	103.07	0.37
330	N 79 48 E	17 40	310.13	13.79 N	111.75 E	112.34	0.68
360	N 76 50 E	17 5	338.76	15.60 N	120.52 E	121.30	1.06
390	N 73 25 E	16 5	367.52	17.79 N	128.79 E	129.84	1.39
420	N 67 58 E	14 55	396.43	20.42 N	136.36 E	137.76	1.87
450	N 64 34 E	14 30	425.44	23.48 N	143.33 E	145.18	0.96
480	N 64 7 E	14 15	454.50	26.71 N	150.04 E	152.38	0.27
510	N 63 43 E	14 10	483.59	29.95 N	156.65 E	159.49	0.13
512	N 63 45 E	14 10	485.52	30.16 N	157.09 E	159.96	0.15

THE DOGLEG SEVERITY IS IN DEGREES PER 30 METRES.
THE VERTICAL SECTION WAS COMPUTED ALONG N 79 8 E

BASED UPON MINIMUM CURVATURE TYPE CALCULATIONS. THE BOTTOM HOLE DISPLACEMENT IS 159.96 METRES, IN THE DIRECTION OF N 79 8 E
BOTTOM HOLE DISPLACEMENT IS RELATIVE TO WELLHEAD.
VERTICAL SECTION IS RELATIVE TO WELLHEAD.

Appendix IV

Riocanex

4 November 1982

Chief Gold Commissioner
Ministry of Energy, Mines and Petroleum
Resources
Parliament Buildings
Victoria, B.C.

Dear Sir:

We are submitting herewith our report of work entitled Aylwin Creek - Drilling 1982 supporting the application for filing work done on the Willa Claim (Record 18213/Jan) and Rockland Claim (Record 18212/Jan) in the Slocan Mining Division.

This report, in the drill log of one of the holes (82-24) for which logs are supplied, reports assays for a zone of mineralization hither to not known either on surface or in earlier drilling. As the importance of this zone which is of significant grades is not yet understood and because further assessment and work is being considered, we hereby request that the contents of this report be kept CONFIDENTIAL for the period of three years allowed in such cases.

Yours very truly,

RIOCANEX INC.

C. D. Spence
Manager Western Canada

CDS/jc
Encls.

Western Canada Office:

800 W. Pender Street, Suite 520, Vancouver, B.C. V6C 2V6 (604) 685-1295 Telex: 04-54341

RioTinto Canadian Exploration Limited
A subsidiary of **RioAlgom Limited**

Riocanex Inc.

Diamond Drill Record

LOCATION	10200.87N, 9776.64E			HOLE NO. 82-22	Page 1 of 7
AZIMUTH	090°	DIPS collar 61°	CONTRACTOR D.W. Coates	PROPERTY Aylwin Creek	
ELEVATION	1170.3m	- 50m 57° , - 100m 56°	LOGGED BY L.R. Haynes and K.B. Heather	CLAIM NO. Rockland (L3884)	
LENGTH	207.9m	- 150m 56° , - 200m 57°	DATE START: June 14, 1982	SECTION NO. 10,200N	
CORE SIZE	NQ/BQ	- m ° , - m °	FINISH: June 14, 1982 L.R. Haynes Nov 1, 1982	STARTED June 2, 1982	
PURPOSE	To test mineralized zone at depth			COMPLETED June 11, 1982	

INTERVAL Metres from	to	ROCK DESCRIPTION: Name colour; texture; size & % minerals or fragments; matrix. Remarks (vein sequence, gouge zones etc.)	ALTERATION (W.M.S.I.) and MINERALIZATION: argillic	quartz-sericite	brown biotite	silicification	green silicate			Remarks	Minerals % vein/diss. Py	Po	Cpy	Mag	Mo			Interval (metres)	VEINLETS: qtz - Mo	granular act - chl	chl - cp act - py	py - po cpy	anhydrite	bio-py
0	44.5	Overburden																						
44.5	58.8	Quartz Latite Porphyry	-	-	-	W	W			54.2-55.0 Very weak pinkish-	1/LL	-	-	tr	-			44-46	-	-	3	-	-	-
		Relatively fresh; mafics								brown biotite as pervasive														
		locally destroyed, others just								alt. and a minor amount of py-bio								46-48	-	-	4	-	-	-
		altered to dark brown biotite.								veinlets at 40° to core.														
		Quartz eyes and altered sphenes are																48-50	-	-	3	-	-	-
		present.								Grn. sil. alt. veinlets are														
		44.5-51.5 Core badly broken up.								made up of py-chl-epi +/-								50-52	-	-	7	-	-	-
		Lower contact sharp but not								magnetite.														
		observed due to core breakage.																52-54	-	-	5	-	-	-
										No quartz veining seen.														
																		54-56	-	-	7	-	-	4
																		56-58	-	-	14	-	-	-
																					Barren Qtz.			
58.8	105.5	Metavolcanic	-	-	-	I	S			60.8-61.4 Minor fault gouge and	4/2	-	tr	-	-			58-60	-	-	14	-	-	11
		Fine grained dark blackish-								very small pieces of core (1-2cm														
		green, granular metavolcanic								dia). No MoS_2 seen.								60-62	-	-	11	-	-	20
		intensely shattered by quartz								59.0 Traces of cpy in py-cpy														
		stockwork veining and later								veinlets.								62-64	-	-	14	-	-	25
		grn. sil. alt. and associated																						

Riocanex Inc.

Diamond Drill Record

HOLE NO. 82-22 | Page 2 of 7

INTERVAL Metres from	to	ROCK DESCRIPTION: Name colour; texture; size & % minerals or fragments; matrix. Remarks (vein sequence, gouge zones etc.)	ALTERATION (W.M.S.I.) and MINERALIZATION: argillic	quartz-sericite	brown biotite	silicification	green silicate			Remarks	Minerals % vein/diss. Py	Po	Cpy	Mag	Mo			Interval (metres)	VEINLETS: qtz - Mo	granular act - chl	chl - cp act - py	py - po cpy	anhydrite	Barren Qtz.	
		sulphide (pred. py) veining.								68.7-69.5 50% core recovery								64-66	-	-	11	-	-	34	
		Multiple phases of quartz								as small pieces.															
		veining x-cut by py-chl-								72.1-72.8 Strongly silicified								66-68	-	-	7	-	-	21	
		epi +/- Cpy veinlets, both								(as broken up quartz veins)															
		inturn are cut by granular								and abundant py. (10%)								68-70	-	-	4	-	-	16	
		act-chl veinlets.								73.0-76.0 30% core recovery															
										78.5-80.5 50% core recovery								70-72	-	-	7	-	-	12	
		Quartz veinlets range in size								80.5-82.3 40% core recovery															
		from 1mm to 10cm; they								84.2-85.4 20% core recovery								72-74	-	-	7	-	-	9	
		don't appear to have any								88.0-88.4 Abundant (10%) Py and															
		preferred orientation (i.e.								traces of cpy.								74-76	-	-	3	-	-	5	
		random)																							
																		76-78	-	-	3	-	-	26	
																		78-80	-	-	1	-	-	10	
																		80-82	-	-	1	-	-	10	
																		82-84	-	-	1	-	-	13	
																		84-86	-	-	-	-	-	13	
																		86-88	-	-	2	-	-	25	
																		88-90	-	-	12	-	-	20	

Riocanex Inc.

Diamond Drill Record

HOLE NO. 82-22 | Page 3 of 7

INTERVAL		ROCK DESCRIPTION	ALTERATION (W.M.S.I.) and MINERALIZATION																VEINLETS						
Metres		Name colour; texture; size & % minerals or fragments; matrix. Remarks (vein sequence, gouge zones etc.)	argillic	quartz-sericite	brown biotite	silicification	green silicate			Remarks	Minerals % vein/diss.							Interval (metres)	qtz - Mo	granular act - chl	chl - cp act - py	py - po cpy	anhydrite	Barren Qtz.	
from	to										Py	Po	Cpy	Mag	Mo										
																		90-92	-	-	13	-	-	>25	
																		92-94	-	-	10	-	-	21	
																		94-96	-	-	15	-	-	>25	
																		96-98	-	-	7	-	-	>25	
										99.5-99.7 Massive quartz															
																		98-100	-	-	3	-	-	>25	
										101.2-102.1 Massive quartz								100-102	-	-	3	-	-	>25	
																		102-104	-	-	5	-	-	>25	
																		104-106	-	-	4	-	-	>25	
105.5	207.9	Quartz Latite Porphyry	-	-	-	SI	W				3/1	-	tr	tr	-			106-108	-	-	7	-	-		
		Intensely silicified, porphyry																							
		texture locally recognizable.																108-110	-	-	10	-	-		
		Quartz tends to be more																							
		massive than was found in																110-112	-	-	7	-	-		
		the overlying MVOL.																							
		Numerous chl-py +/- epi																112-114	-	-	11	-	-		
		coatings along broken																							
		fractures.																							

Riocanex Inc.

Diamond Drill Record

HOLE NO. 82-22 | Page 4 of 7

INTERVAL Metres from	to	ROCK DESCRIPTION: Name colour; texture; size & % minerals or fragments; matrix. Remarks (vein sequence, gouge zones etc.)	ALTERATION (W.M.S.I.) and MINERALIZATION: argillic	quartz-sericite	brown biotite	silicification	green silicate			Remarks	Minerals % vein/diss. Py	Po	Cpy	Mag	Mo			Interval (metres)	VEINLETS: qtz - Mo	granular act - chl	chl - cp act - py	py - po cpy	anhydrite	Barren Qtz.	Gypsum +/- cal.?
		116.0-132.9 Feldspars altered															116-118	-	-	14	-	-		-
		to clay material ? + green																						
		chlorite (waxy green colour)															118-120	-	-	6	-	-		-
		near intensely silicified zones.																						
																	120-122	-	-	8	-	-		-
																	122-124	-	-	5	-	-		-
																	124-126	-	-	8	-	-		-
																	126-128	-	-	5	-	-		-
																	128-130	-	-	6	-	-		-
																	130-132	-	-	3	-	-		-
																	132-134	-	-	3	-	-		-
		132.9-145.6								132.9-134.2 40% core recovery							134-136	-	-	6	-	-	6	-
		Relatively fresh QLP; mafics								135.8-140.1 Numerous														
		still observed (altered to biotite)								gypsum +/- Cal. veinlets with							136-138	-	-	6	-	-	10	11
		Porphyry texture vague near								black biotite envelopes.														
		local zones of silicification															138-140	-	-	1	-	-	2	17
																	140-142	-	-	4	-	-	3	6

Riocanex Inc.

Diamond Drill Record

HOLE NO. 82-22 |

INTERVAL		ROCK DESCRIPTION	ALTERATION (W.M.S.I.) and MINERALIZATION															VEINLETS						
Metres		Name colour; texture; size & % minerals or fragments; matrix. Remarks (vein sequence, gouge zones etc.)	argillic	quartz-sericite	brown biotite	silicification	green silicate			Remarks	Minerals % vein/diss.						Interval (metres)	qtz - Mo	granular act - chl	chl - cp act - py	py - po cpy	anhydrite	Barren Qtz.	gypsum
from	to										Py	Po	Cpy	Mag	Mo									
										142.5-143.4 Intensely silicified							142-144	-	-	6	-	-	6	2
										zone.														
		145.6-146.4 Massive qtz. containing pieces of Mv similar to that															144-146	-	-	2	-	-	9	2
		seen at 58.8-105.5. Frags. contain																						
		early quartz veins.																						
		146.4-148.3 Intensely															146-148	-	-	3	-	-	-	-
		silicified.																						
		148.3-207.9								150.9-157.5 Weak pinkish-							148-150	-	-	4	-	-	-	-
		Relatively fresh QLP with								brown biotite (pervasive)														
		mafics altered to biotite.								alteration.							150-152	-	1	6	-	-	1	-
		Locally silicified and								157.5-182.1 Fresh QLP.														
		altered.															152-154	-	1	8	-	-	-	-
										182.1-184.9 Mafics totally							154-156	-	-	7	-	-	-	-
										destroyed.														
																	156-158	-	-	11	-	-	1	-
																	158-160	-	-	6	-	2	1	-
																	160-162	-	-	5	-	-	-	-
																	162-164	-	-	3	-	-	2	2
																	164-166	-	-	3	-	-	-	4

Riocanex Inc.

Diamond Drill Record

HOLE NO. 82-22 | Page 6 of 7

INTERVAL Metres from	to	ROCK DESCRIPTION: Name colour; texture; size & % minerals or fragments; matrix. Remarks (vein sequence, gouge zones etc.)	ALTERATION (W.M.S.I.) and MINERALIZATION: argillic	quartz-sericite	brown biotite	silicification	green silicate			Remarks	Minerals % vein/diss. Py	Po	Cpy	Mag	Mo		Interval (metres)	VEINLETS: qtz-Mo	granular act-chl	chl-cp act-py	py-po cpy	anhydrite	Barren Qtz.	gypsum
																	166-168	-	-	1	-	-	-	1
																	168-170	-	-	-	-	-	1	2
																	170-172	-	-	-	-	-	1	-
																	172-174	-	-	2	-	-	-	-
																	174-176	-	-	7	-	-	-	-
																	176-178	-	-	5	-	-	-	-
										178.7-178.8 15% Sulphide in massive quartz (traces of cpy.).							178-180	-	-	3	-	-	-	-
																	180-182	-	-	3	-	-	-	-
																	182-184	-	-	3	-	-	-	-
																	184-186	-	-	3	-	-	-	-
																	186-188	-	-	3	-	-	-	-
																	188-190	-	-	1	-	-	-	2
																	190-192	-	-	4	-	-	-	3

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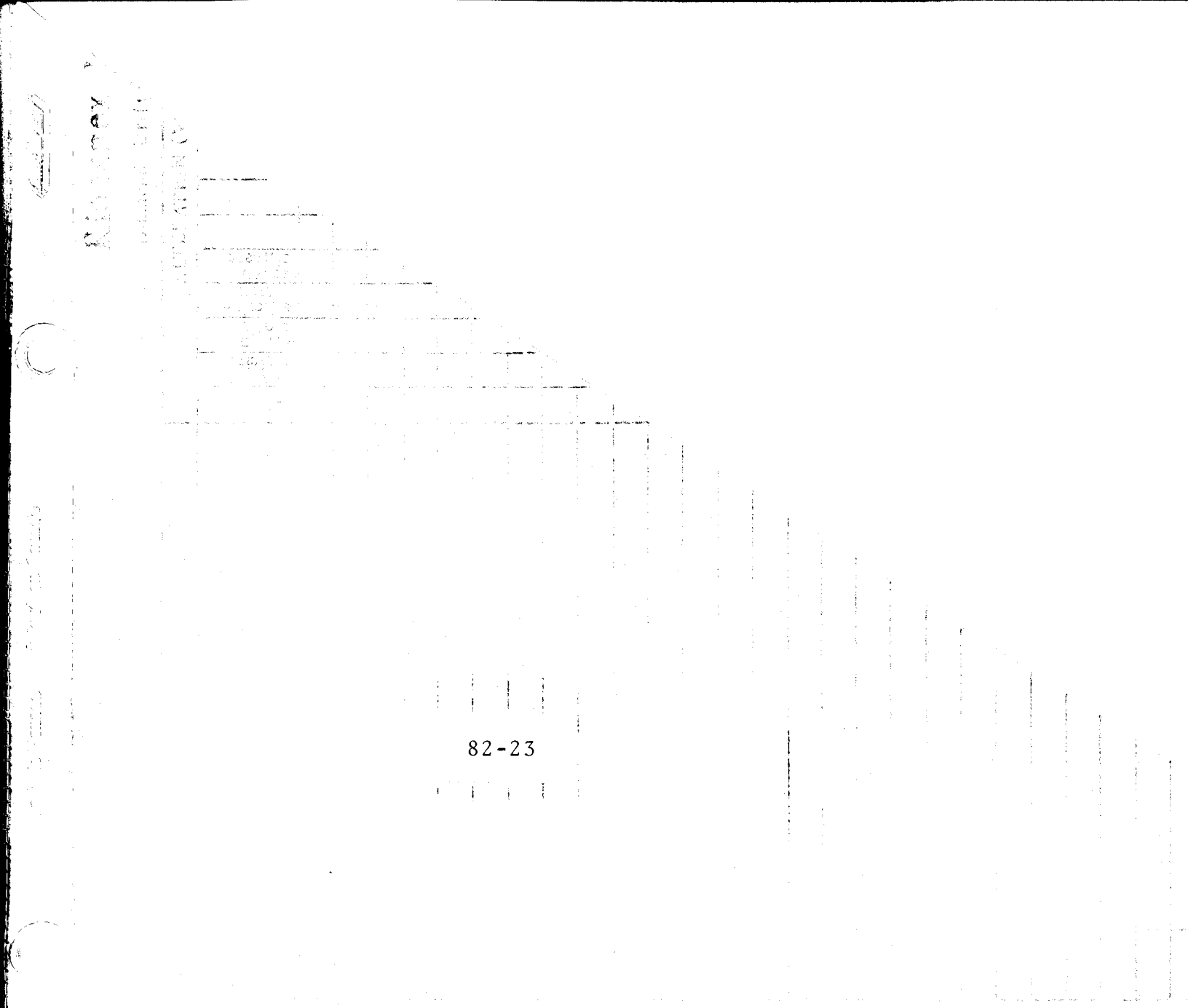
INTERVAL		ROCK DESCRIPTION	ALTERATION (W.M.S.I.) and MINERALIZATION																VEINLETS						
Metres		Name colour; texture; size & % minerals or fragments; matrix. Remarks (vein sequence, gouge zones etc.)	argillic	quartz - sericite	brown biotite	silicification	green silicate			Remarks	Minerals % vein / diss.							Interval (metres)	qtz - Mo	granular act - chl	chl - cp act - py	py - po cpy	anhydrite		
from	to										Py	Po	Cpy	Mag	Mo										
																		192-194	-	-	4	-	-	4	6
																		194-196	-	-	7	-	-	2	3
																		196-198	-	-	7	-	-	2	4
										206.0-207.5 Weak pink brown								198-200	-	1	2	-	-	1	2
										biotite pervasive															
																		200-202	-	-	3	-	-	1	1
																		202-204	-	-	3	-	-	1	1
																		204-206	-	-	4	-	-	-	-
																		206-208	-	-	3	-	-	-	-
	207.9	DDH 82-22 lost due to cave																							
		in hole.																							



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INTERVAL Metres from	to	ROCK DESCRIPTION: Name colour; texture; size & % minerals or fragments; matrix. Remarks (vein sequence, gouge zones etc.)	ALTERATION (W.M.S.I.) and MINERALIZATION: argillic	quartz-sericite	brown biotite	silicification	green silicate			Remarks	Minerals % vein/diss. Py	Po	Cpy	Mag	Mo			Interval (metres)	VEINLETS: qtz-Mo	granular act-chl	chl-cp act-py	py-po cpy	anhydrite	gypsum	calcite
										366.5-367.7 Intense silicification causing porphyry texture to become vague and rock to have waxy green tinge to the overall grey colour.															
										368.0 8cm wide white qtz. vein at 45° to core containing bands of orange (1mm dia.) blebs (similar to those at 360.2) near the contact															
										369.4-379.8 Intense silicification similar to 366.5-367.7															
										371.4 6cm qtz. vein at 60° containing orange blebs (1mm dia.).															
										371.9 1cm wide white quartz vein w/ orange (1mm dia.) garnets? or iron staining?															
										372.6 5cm wide a quartz vein (pegmatite?) at 70° containing fractures of muscovite (sericite).								372-374	-	-	3	-	-	1	-
										376-377 Chloritized and altered clay are the feldspars.								374-376	-	-	2	-	-	1	-
																			376-378	-	-	3	-	-	-	-
																			378-380	-	-	3	-	1	-	-
										380.5 Patch of garnet+epidote+py and magnetite.									380-382	-	-	4	-	-	-	-
																			382-384	-	-	2	-	-	-	-

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INTERVAL Metres from	to	ROCK DESCRIPTION: Name colour; texture; size & % minerals or fragments; matrix. Remarks (vein sequence; gouge zones etc.)	ALTERATION (W.M.S.I.) and MINERALIZATION: argillic	quartz-sericite	brown biotite	silicification	green silicate			Remarks	Minerals % vein/diss. Py	Po	Cpy	Mag	Mo		Interval (metres)	VEINLETS: qtz-Mo	granular act-chl	chl-cp act-py	py-po cpy	anhydrite	gypsum	calcite
										384.0-404.0 Intense silicification							384-386	-	-	3	-	1	-	2
										similar to 366.5-367.7														
										385.3 5cm patch of act-py-chl							386-388	-	-	2	-	-	-	-
										+ trace cpy. (x-cuts qtz. veining).														
										386.6-387.2, 387.5-388.3 Massive							388-390	1	-	4	-	-	-	2
										bull qtz. w/fragments of intensely														
										bleached porphyry (waxy green														
										colour).														
										389.4 Traces of MoS_2														
										389.9 Patch of (2cm wide)							390-392	-	-	1	-	-	-	-
										epidote and chl. and py.														
										392.1-393.2 Weak to locally moderate							392-394	-	-	4	2	-	-	2
										pinkish-brown biotite alteration.														
										392.2, 392.3, 392.4, 392.5 Large														
										patches of reddish garnet+epidote+														
										py. The sulphides in these segments														
										are py-pyrr-trace cpy.														
																	394-396	-	-	3	-	-	1	3
																	396-398	-	-	4	-	1	-	3
										400.0-404.0 Intense massive							398-400	-	-	1	-	-	-	4
										quartz w/remanent fragments														
										of chloritized porphyry and							400-402	-	-	6	-	-	-	-
										occassional x-cutting chl veinlets.														

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INTERVAL Metres from	to	ROCK DESCRIPTION: Name colour; texture; size & % minerals or fragments; matrix. Remarks (vein sequence; gouge zones etc.)	ALTERATION (W.M.S.I.) and MINERALIZATION: argillic	quartz-sericite	brown biotite	silicification	green silicate			Remarks	Minerals % vein/diss. Py	Po	Cpy	Mag	Mo		Interval (metres)	VEINLETS: qtz-Mo	granular act-chl	chl-cp act-py	py-po cpy	anhydrite	gypsum	calcite
																	402-404	-	-	3	-	-	-	-
404.0	407.8	Lamprophyre Dyke	-	-	-	-	-			Cross-cut numerous														
		usually dark green colour								late calcite veinlets							404-406	-	-	-	-	-	-	20
		w/small (1-2mm) pheno's								406.5-407.3 20% core recovery														
		of glassy green mafic (pyro-								due to fault gouge of dyke							406-408	-	-	-	-	-	-	18
		xene or amphibole?); also small																						
		flakes of biotite diss. throughout																						
		Upper contact at 5°; Lower																						
		contact obscured by broken core.																						
		Dyke is slightly faded near																						
		contacts and as envelopes																						
		about the calcite veinlets.																						
407.8	416.5	QLP?	-	-	-	I	M			409.8 A few flecks of MoS_2	1/1	tr	tr	<1	tr		408-410	1	-	3	-	1	-	4
		Intensely silicified and altered								415.2-416.5 Massive quartz.														
		porphyry similar to 384.0-404.0															410-412	-	-	2	-	-	-	4
																	412-414	-	-	6	-	-	-	3
																	414-416	-	-	4	-	-	-	1
416.5	418.2	Pegmatite vein; orange-pink	-	-	-	-	M			K-spar test was positive														
		colour (K-spar) w/quartz.															416-418	-	-	4	-	-	-	-
		Good contacts w/overlying and																						
		underlying silicified porphyry.																						
		Upper contact at 45°; Lower contact																						
		at 45°.																						

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INTERVAL Metres from	to	ROCK DESCRIPTION: Name colour; texture; size & % minerals or fragments; matrix. Remarks (vein sequence; gouge zones etc.)	ALTERATION (W.M.S.I.) and MINERALIZATION: argillic	quartz-sericite	brown biotite	silicification	green silicate			Remarks	Minerals % vein/diss. Py	Po	Cpy	Mag	Mo		Interval (metres)	VEINLETS: qtz-Mo	granular act-chl	chl-cp act-py	py-po cpy	anhydrite	gypsum	calcite
418.2	423.6	QLP; same as 407.8-416.5	-	-	-	I	M				1/1	tr	-	1/<1	-		418-420	-	-	1	-	1	-	-
		420.5-420.6 Pegmatite dyke																						
		similar to 416.5-418.2; Upper contact															420-422	-	-	8	-	-	-	1
		in broken core; Lower contact at 40°																						
										423.6 Epidote and calcite veinlets.							422-424	-	-	5	-	-	-	9
423.6	426.3	Lamprophyre Dyke	-	-	-	-	-			Upper contact @ 15° but irregular;	-	-	-	-	-		424-426	-	-	-	-	-	-	17
		Has chilled margins and has								Lower contact at 45°.														
		pheno's of biotite (1mm) and																						
		calcite (rounded 1-3mm).																						
426.3	429.0		-	-	-	W	S			Numerous purple anhydrite (poss.	2/1	tr	-	1/<1	-		426-428	-	-	16	-	9	-	6
		Texturally resembles both QLP								fluorite?) w/calcite as														
		and NQM. No silicification but								veinlets and patches. Also							428-430	-	-	6	-	6	1	3
		green sil. alt. is strong in the								have 1-2mm envelope of chl.														
		form of py-chl-mag veinlets,								around most of the above														
		epi+chl+py. Patches of rock are								patches.														
		intensely altered (feldspars alt. to								K-spar stain test at 426.4 shows														Calcite
		green colour-chl.).								irregularly distributed K-spar in														
										matrix of porphyry.														
429.0	433.8	Lamprophyre Dyke	-	-	-	-	-			Has x-cutting calcite and	-	-	-	-	-		430-432	-	-	-	-	-	-	5
		Finer grained chilled margins.								epidote veinlets.														
		Upper contact @ 20°; Lower															432-434	-	-	-	-	-	-	7

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INTERVAL Metres from	to	ROCK DESCRIPTION: Name colour; texture; size & % minerals or fragments; matrix. Remarks (vein sequence; gouge zones etc.)	ALTERATION (W.M.S.I.) and MINERALIZATION: argillic	quartz-sericite	brown biotite	silicification	green silicate			Remarks	Minerals % vein/diss. Py	Po	Cpy	Mag	Mo			Interval (metres)	VEINLETS: qtz-Mo	granular act-chl	chl-cp act-py	py-po cpy	anhydrite	gypsum	calcite
		contact at 20°. Contains																							
		pheno's same as 423.6-426.3																							
433.8	438.8		-	-	-	W	W				1/<1	-	-	tr	-			434-436	-	-	5	-	-	-	-
		Relatively fresh porphyry								NQM (?) x-cut by numerous															
		that texturally resembles								chl-py veinlets								436-438	-	-	14	-	-	-	-
		Nelson Quartz Monzonite (that was																							
		logged in bottom of hole 80-1).																							
		Tabular plagioclases to 4mm																							
		(no large pheno's seen); quartz																							
		eyes seen but not really																							
		the same as the classic																							
		rounded ones seen in the QLP.																							
		Abundant mafics pervasively-																							
		435.5-436.4 White aplitic dyke								K-spar test at 435.5 indicates															
		cross-cutting the NQM; upper								little or irregular distributed															
		contact 60°; lower contact								K-spar in the NQM (?) matrix, where															
		at 60°.								as the aplite has intense															
										matrix pervasive K-spar.															
										At 436.4 a qtz-chl-py-minor															
										calcite veinlet in the NQM (?)															
										is clearly x-cut by the															
										aplite dyke which has its															
										own chloritic (weak) alt.															
										437.9-438.0, 438.3-438.4 Two															
										small zones of moderate pink															
										biotite (pervasive) x-cut by															

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INTERVAL Metres from	to	ROCK DESCRIPTION: Name colour; texture; size & % minerals or fragments; matrix. Remarks (vein sequence, gouge zones etc.)	ALTERATION (W.M.S.I.) and MINERALIZATION: argillic	quartz-sericite	brown biotite	silicification	green silicate			Remarks	Minerals % vein/diss. Py	Po	Cpy	Mag	Mo		Interval (metres)	VEINLETS: qtz - Mo	granular act - chl	chl - cp act - py	py - po cpy	anhydrite	gypsum	calcite
										chl-py veinlets														
438.8	439.2	Lamprophyre Dyke	-	-	-	-	-				-	-	-	-	-									
		Upper contact at 85°; Lower																						
		contact at 70°.																						
439.2	441.2		-	-	-	W	M			Calcite veinlets predominately	1/<1	-	-	<1/<1	-		438-440	-	-	12	-	-	-	5
		Similar to 433.8-438.8; no								in the lamprophyre dyke above.														
		aplitic phases. Grn. sil. alt.								440.7 Two qtz-MoS_2 veinlets							440-442	2	-	6	-	-	-	-
		weak to moderate.								at 30° to core; x-cut and off-set														
										by a qtz-green mineral (chl.														
										or amp. or pyr.?). Veinlet at 55°														
										437.8-441.2 Weak pervasive pinkish														
										brown biotite alteration.														
										440.1, 440.2 Qtz-pink biotite														
										veinlet at 85° to core.														
441.2	443.0	Lamprophyre Dyke	-	-	-	-	-			Upper contact @ 40°, Lower @ 40°	-	-	-	-	-		442-444	-	-	6	-	-	-	-
		Fine grained; no rounded calcite																						
		pheno's.																						
443.0	447.3		-	-	-	-	M			443.4-443.6 Veinlets of quartz	1/1	-	-	<1/<1	tr?		444-446	2	-	8	-	-	-	3
		Texturally similar to 439.2								-bluish-black metallic														
		441.2 High percentage of mafics								mineral (MoS_2 or Magnetite?)							446-448	-	-	10	-	-	-	11
		compared to QLP, but still								However, not magnetic. X-cut														
		has qtz. eyes similar to								by a 2mm veinlet of qtz.														
		those seen in QLP.								black mineral (amp. or magnetite;														
		Mafics altered to ? amphibole.								not magnetic) at 25°. (possibly														
										tourmalene)														

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INTERVAL Metres from	to	ROCK DESCRIPTION: Name colour; texture; size & % minerals or fragments; matrix. Remarks (vein sequence; gouge zones etc.)	ALTERATION (W.M.S.I.) and MINERALIZATION: argillic	quartz-sericite	brown biotite	silicification	green silicate			Remarks	Minerals % vein/diss. Py	Po	Cpy	Mag	Mo		Interval (metres)	VEINLETS: qtz - Mo	granular act - chl	chl - cp act - py	py - po cpy	anhydrite	gypsum	calcite
447.3	449.1	Lamprophyre Dyke	-	-	-	-	-			Upper contact at 45°; Lower	-	-	-	-	-		448-450	-	-	4	-	-	-	4
		contains calcite pheno's (1-3mm)								contact highly irregular.														
		in central 40cm of dyke (i.e.																						
		slower cooling).																						
449.1	453.1		-	-	-	-	M			Calcite veinlets listed occur	1/1	-	-	<1/<1	-		450-452	-	-	3	-	-	-	-
		Similar to 443.0-447.3								in the overlying Lamp. dyke.														
																	452-454	-	-	4	-	-	-	5
453.1	455.2	Lamprophyre Dyke	-	-	-	-	-				-	-	-	-	-									
																	454-456	-	-	4	-	-	-	10
455.2	463.7		-	-	-	W	M				1/1	-	-	<1/<1	-		456-458	-	-	4	-	-	-	-
		Texturally similar to																						
		443.0-447.3; but also															458-460	-	-	7	-	-	-	-
		is texturally similar to Nelson								459.4 Large K-spar pheno (1.5cm)?,							460-462	-	-	5	-	-	-	-
		Batholith rocks seen near								usually char. of Nelson Batholith.														
		the bottom of DDH 80-1.								460.9-463.7 Porphyry texture							462-464	-	-	3	-	-	-	1
		458.3 Aplitic-leucocratic dyke,								slightly more vague, with mafics														
		3cm wide @ 55°; x-cut by a								altered to pale greyish-green														
		py-mag-amp. veinlet at 25°.								colour (pyroxene?); also increasing														
										silicification.														
										463.4-463.7 Weak pinkish-brown														
										biotite.														
										461.0 K-spar test shows pervasive														
										K-spar in the matrix, but														
										K-spar deficient envelopes														
										occur about py-mag-chl. veinlets														
										(grn. sil. alt.).														

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INTERVAL Metres from	to	ROCK DESCRIPTION: Name colour; texture; size & % minerals or fragments; matrix. Remarks (vein sequence, gouge zones etc.)	ALTERATION (W.M.S.I.) and MINERALIZATION: argillic	quartz-sericite	brown biotite	silicification	green silicate			Remarks	Minerals % vein/diss. Py	Po	Cpy	Mag	Mo			Interval (metres)	VEINLETS: qtz-Mo	granular act-chl	chl-cp act-py	py-po cpy	anhydrite	gypsum	calcite
463.7	471.0	QLP.	-	-	S	I	M			465.5 3cm bleb of py-mag-epi.	<1	-	-	tr	tr?			464-466	-	-	3	-	-	-	-
		Both stockwork qtz. veining								with blackish-green amphibole															
		and pervasive silicification								in blebs.								466-468	-	-	6	-	-	-	6
		overprinting both the stockwork								468.0-471.0 Porphyry texture															
		and brown (pink) biotite.								weak due to silicification								468-470	1	-	2	-	-	-	-
		Sequence								and bleaching.															
		(1) Stockwork quartz								470.0, 470.3 Coarse clear								470-472	-	-	2	-	-	2	2
		(2) Pinkish brown biotite								gypsum veinlets (0.5-1cm wide)															
		(3) Pervasive silicification and								at 20°.															
		grn. sil. alt.																							
		Some places it almost																							
		appears as though the																							
		grn. sil. alt. veinlets have been																							
		overprinted by pervasive																							
		silicification?																							
471.0	524.4	Heterogeneous Breccia																							
		Contact with overlying porphyry																							
		is nebulous but sharp.																							
		Fragments range from																							
		angular to rounded to places;																							
		where they are smeared out.																							
		Rock has a moderate																							
		foliation and almost has a																							
		skarn like appearance, (i.e.																							
		strong metamorphic character).																							

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INTERVAL Metres from	to	ROCK DESCRIPTION: Name colour; texture; size & % minerals or fragments; matrix. Remarks (vein sequence; gouge zones etc.)	ALTERATION (W.M.S.I.) and MINERALIZATION: argillic	quartz-sericite	brown biotite	silicification	green silicate			Remarks	Minerals % vein/diss. Py	Po	Cpy	Mag	Mo			Interval (metres)	VEINLETS: qtz - Mo	granular act - chl	chl - cp act - py (Veins) Py+Pyrr. +/- Cpy	py - po Py+Pyrr. +/- Cpy (Blebs)	anhydrite	gypsum	calcite
		471.0-476.9 Numerous rock	-	-	W	W	I			475.5-475.7 White pegmatitic	1/1	1/1	tr	tr	-			472-474	-	-	14	-	-	-	5
		types (porphyries, Mvol)								quartz vein w/highly irregular															
		as small frags. in a pale								contacts; poss. contorted by								474-476	-	-	8	-	-	-	3
		green-pinkish brown-dark								late movement of the bx															
		green (minor) mottled matrix.								during metamorphism? Contains								476-478	-	2	5	-	-	-	3
		Most of the frags. are smeared								grn. sil. alt. w/py + pyrr.															
		and have ill-defined borders.								Grn. Sil. veins are discontinuous															
										and of a granular act.															
										nature (also contorted by															
										later metamorphism).															

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INTERVAL		ROCK DESCRIPTION	ALTERATION (W.M.S.I.) and MINERALIZATION															VEINLETS						
Metres		Name colour; texture; size & % minerals or fragments; matrix. Remarks (vein sequence, gouge zones etc.)	argillic	quartz-sericite	brown biotite	silicification	green silicate			Remarks	Minerals % vein / diss. Py	Po	Cpy	Mag	Mo			Interval (metres)	qtz - Mo	granular act - chl	chl - cp act - py	py - po cpy	anhydrite	gypsum	calcite
from	to																								
										Sulphides predominately as															
										blebs of py-pyrr; with															
										veinlets of the same to															
										a lesser extent.															
																					py+pyrr. +/- cpy				
		476.9-481.1 Fine grained	-	-	-	-	I				<!	tr	tr	-	-			478-480	-	-	2	-	-	-	7
		greenish-brown rock with								Slightly foliation of 50° in															
		a wispy to mottled appear-								same if the more biotitic								480-482	-	-	3	-	-	-	4
		ance with contorted bands								brown portions.															
		of green granular (act.?)																							
		cross-cutting.																							
		No fragments in this																							
		interval.																							
		Gradational contacts with																							
		fragmental bx above and																							
		below.																482-484	-	-	1	-	-	-	4
		481.1-485.7 Fragments	-	-	-	-	I			Fragments smeared.	<!	<!	tr	tr	-										
		visible in pale green matrix																484-486	-	-	4	-	-	-	6
		similar to 471.0-476.9.																							
		485.7-496.7 Fine grained brownish	-	-	-	-	I				2	2	tr	-	-			486-488	-	-	2	4	-	-	3
		dark blackish-green rock w/a																							
		weak foliation and no fragments																488-490	-	-	6	4	-	-	4
		similar to 476.9-481.1.																							
																		490-492	-	-	3	2	-	-	10

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Diamond Drill Record

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INTERVAL Metres from	to	ROCK DESCRIPTION: Name colour; texture; size & % minerals or fragments; matrix. Remarks (vein sequence; gouge zones etc.)	ALTERATION (W.M.S.I.) and MINERALIZATION: argillic	quartz-sericite	brown biotite	silicification	green silicate			Remarks	Minerals % vein/diss. Py	Po	Cpy	Mag	Mo		Interval (metres)	VEINLETS: qtz-Mo	granular act-chl	chl-cp act-py	py-po cpy	anhydrite	gypsum	calcite
										492.0-492.6 Strongly shattered by							492-494	-	-	4	2	-	-	12
										calcite tension fractures.														
										493.5 Qtz. vein at 80° x-cut							494-496	-	2	2	-	-	-	3
										by blebs of py-pyrr.;														
										which are in turn x-cut														
X										by a sub // to core group														
										of calcite veinlets														
		496.7-524.4 Predominately	-	-	-	-	I				1/2	1/2	tr	-	-		496-498	-	1	2	-	-	-	-
		fragmental with short																						
		intervals of highly smeared															498-500	-	1	2	1	-	-	2
		frags, or no frags. at all.																						
		Similar to 471.0-476.9.															500-502	-	-	2	-	-	2	6
		Metavolcanics fragments																						
		tend to smear easier								502.5-502.7, 503.0-503.2 Highly							502-504	-	-	1	-	-	-	20
		than do the porphyry								shattered by calcite tension														
		fragments.								fractures							504-506	-	-	1	-	-	-	8
																	506-508	-	-	3	1	-	-	5
																	508-510	-	-	1	-	-	-	12
										511.6 8cm wide pegmatitic							510-512	-	-	3	-	-	-	11
										dyke at 85° to core														
										512.1 Porphyry fragment (4cm)							512-514	-	1	2	-	-	-	2
										w/a py-mag-epi. veinlet														

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INTERVAL Metres from	to	ROCK DESCRIPTION: Name colour; texture; size & % minerals or fragments; matrix. Remarks (vein sequence; gouge zones etc.)	ALTERATION (W.M.S.I.) and MINERALIZATION: argillic	quartz-sericite	brown biotite	silicification	green silicate			Remarks	Minerals % vein/diss. Py	Po	Cpy	Mag	Mo			Interval (metres)	VEINLETS: qtz-Mo	granular act-chl	chl-cp act-py	py-po cpy	anhydrite	gypsum	calcite
										in it; but not x-cutting							514-516	-	-	2	-	-	-	2
										the bx matrix (i.e. pre. bx post															
										porphyry veinlet).							516-518	-	-	1	-	-	-	19
		517.3-517.8 White pegmatitic								513.8 1cm wide py-pyrr veinlet							518-520	-	-	1	-	-	-	11
		dyke; Upper contact at 70°,								at 40°.															
		Lower contact at 80°.								515.5 1.5cm wide qtz. vein							520-522	-	2	3	-	-	-	4
		518.3-518.8 White pegmatitic								at 50°, x-cut by veinlets of															
		dyke; however it could be								dark green material.							522-524	9	-	3	-	-	-	10
		a porphyry fragment.								516.8-517.0 zone of strong	Barren Quartz							↑							
										calcite tension fractures.															
		519.6 10cm wide dyke of																							
		aplitic material similar to								522.0-524.4 9 Quartz veins															
		those seen at 435.5-436.4								at between 20° to 35°.															
		at 55°								Veins are contorted and															
										broken in places.															
	524.4	END OF HOLE																							

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LOCATION	10200.87N, 9776.14E			HOLE NO. 82-23	Page 1 of 26
AZIMUTH	090°	DIPS collar 63°	CONTRACTOR D.W. Coates	PROPERTY Aylwin Creek	
ELEVATION	1170.3m	- 50m 58°, - 100m 58°	LOGGED BY L.R. Haynes and K.B. Heather	CLAIM NO. Rockland (L3884)	
LENGTH	524.4m	- 200m 56°, - 350m 55°	DATE START: June 25, 1982	SECTION NO. 10,200N	
CORE SIZE	NQ/BQ	- 450m 53°, - 524m 55°	FINISH: July 4, 1982 L.R. Haynes Nov 1/1982	STARTED June 11, 1982	
PURPOSE	To test mineralized zone at depth			COMPLETED July 2, 1982	

INTERVAL		ROCK DESCRIPTION	ALTERATION (W.M.S.I.) and MINERALIZATION																VEINLETS						
Metres		Name colour; texture; size & % minerals or fragments; matrix. Remarks (vein sequence, gouge zones etc.)	argillic	quartz - sericite	brown biotite	silicification	green silicate			Remarks	Minerals % vein/diss.							Interval (metres)	qtz - Mo	granular act - chl	chl - cp act - py	py - po cpy	anhydrite	barren qtz.	
from	to										Py	Po	Cpy	Mag	Mo										
0	49.4	Overburden																							
49.4	59.3	Quartz Latite Porphyry	-	-	-	W	W			Some feldspars are altered	LT/1	-	-	tr	-			48-50							
		Relatively fresh; mafics								to a waxy green colour.															
		locally destroyed; others																50-52							
		altered to dark brown								Core badly broken up.															
		biotite. Qtz. eyes and altered																52-54							
		sphenes are present.																							
																		54-56							
59.3	91.5	Metavolcanic	-	-	-	I	M			66-68 50% core recovery	2/1	-	-	tr	-										
		Fine grained dark blackish-								68.6-71.5 25% core recovery								56-58							
		green, granular metavolcanic,																							
		intensely shattered by quartz								Qtz. veinlet counting was stopped								58-60	-	-	4	-	-	12	
		stockwork veining and later								as core was too badly broken															
		grn. sil. alt. and associated																60-62	-	-	8	-	-	21	
		py. veining								77-86.3 60% core recovery															
																		62-64	-	-	6	-	-	19	
										88.6-88.8 Massive qtz. as															
										numerous x-cutting veinlets								64-66	-	-	12	-	-	14	
																		66-68	core to broken						

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Diamond Drill Record

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INTERVAL Metres from	to	ROCK DESCRIPTION: Name colour; texture; size & % minerals or fragments; matrix. Remarks (vein sequence; gouge zones etc.)	ALTERATION (W.M.S.I.) and MINERALIZATION: argillic	quartz-sericite	brown biotite	silicification	green silicate			Remarks	Minerals % vein/diss. Py	Po	Cpy	Mag	Mo			Interval (metres)	VEINLETS: qtz - Mo	granular act - chl	chl - cp act - py	py - po cpy	anhydrite	barren qtz.	
																		68-70							
										71.6-73.5 Intense silicification															
										overprinted by grn. sil. alt.															
										(pervasive) w/abundant py (10-12% py)								72-74	-	-	5	1	-	-	
																		74-76	-	-	5	-	-	-	
																		76-78	-	-	3	-	-	-	
																		78-80	-	-	3	-	-	-	
																		80-82	-	-	3	-	-	-	
																		82-84	-	-	2	-	-	-	
																		84-86	-	-	3	-	-	-	
																		86-88	-	-	3	1	-	-	
																		88-90	-	-	5	-	-	-	
91.5	92	QLP	-	-	-	M	W			Contacts not observed	L1/1	-	-	tr	-			90-92	-	-	-	-	-	4	
		Similar to 49.4-59.3																							

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INTERVAL Metres from	to	ROCK DESCRIPTION: Name colour; texture; size & % minerals or fragments; matrix. Remarks (vein sequence, gouge zones etc.)	ALTERATION (W.M.S.I.) and MINERALIZATION: argillic	quartz-sericite	brown biotite	silicification	green silicate			Remarks	Minerals % vein/diss. Py	Po	Cpy	Mag	Mo		Interval (metres)	VEINLETS: qtz-Mo	granular act-chl	chl-cp act-py	py-po cpy	anhydrite
92.0	108.3	Metavolcanics	-	-	-	I	M			93.5-93.6 Massive quartz	2/1	-	-	tr	-		92-94	-	-	2	-	-
		(same as 59.3-91.5m)																				
																	94-96	-	-	2	-	-
										96.8-97.4 Massive quartz							96-98	-	-	1	-	-
										100-104 50-60% core recovery							98-100	-	-	2	-	-
																	100-102	-	-	1	-	-
																	102-104	-	-	1	-	-
										105.7-107.0 Massive quartz							104-106	-	-	1	-	-
																	106-108	-	-	1	-	-
108.3	243.4	Quartz Latite Porphyry								108.3-109.6 Massive quartz							108-110	-	-	3	-	-
		108.3-127.0 strong to locally intense	-	-	-	-	I	M			2/1	-	tr	tr	-							
		silicification. Majority of mafics															110-112	-	-	5	-	-
		have been destroyed. Green																				
		sil. alt. chl+py+/-epi+/-mag.															112-114	-	-	9	-	-
		Fractures have a waxy green																				
		colour due to chl or some															114-116	-	-	7	-	-
		type of feldspar alteration?																				
																	116-118	-	-	6	-	-

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INTERVAL Metres from	to	ROCK DESCRIPTION: Name colour; texture; size & % minerals or fragments; matrix. Remarks (vein sequence, gouge zones etc.)	ALTERATION (W.M.S.I.) and MINERALIZATION: argillic	quartz-sericite	brown biotite	silicification	green silicate			Remarks	Minerals % vein/diss. Py	Po	Cpy	Mag	Mo		Interval (metres)	VEINLETS: qtz-Mo	granular act-chl	chl-cp act-py	py-po cpy	anhydrite	gypsum
										119.8 0.5cm wide veinlet of blebs							118-120	-	-	5	1	-	-
										of py-minor cpy.													
																	120-122	-	-	7	-	-	-
																	122-124	-	-	4	-	-	-
										125.3 Small bleb of py-mag-chl							124-126	-	-	5	1	-	-
										with trace cpy.													
																	126-128	-	-	3	-	-	-
		127.0-139.4 QLP; moderate to locally	-	-	-	M	M				l/Ll	-	-	tr	tr		128-130	-	-	3	-	-	-
		strong silicification; porphyry																					
		texture much more apparent; mafics								131.5 Traces of MoS_2 in a quartz							130-132	1	-	2	-	-	-
		only locally destroyed.								veinlet.													
		Silicification tends to be															132-134	-	-	2	-	-	-
		small (up to 1cm wide) quartz																					
		veinlets which altered the rock															134-136	-	-	5	-	-	-
		to a pervasive greenish tinge.								136/4, 136.6 Gypsum veinlets at 40°													
										w/an envelope of py+chl+blk biotite?							136-138	-	-	4	-	-	2
		139.4-142.2 QLP; slightly more	-	-	W	M	M			139.5 Bleb of py-pyrr-mag-minor	2/1	Ll/tr	tr	Ll/tr	-		138-140	-	-	3	1	-	2
		altered then 127.0-139.4; now								chl in a veinlet pyrite.													
		see weak pink (purple) brown biotite															140-142	-	-	1	5	-	-
		and moderate blebs of sulphides.																					
		Porphyry texture more difficult																					
		to see but still apparent.																					

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INTERVAL Metres from	to	ROCK DESCRIPTION: Name colour; texture; size & % minerals or fragments; matrix. Remarks (vein sequence, gouge zones etc.)	ALTERATION (W.M.S.I.) and MINERALIZATION: argillic	quartz-sericite	brown biotite	silicification	green silicate			Remarks	Minerals % vein/diss. Py	Po	Cpy	Mag	Mo	Interval (metres)	VEINLETS: qtz-Mo	granular act-chl	chl-cp act-py	py-po cpy	anhydrite	gypsum
		142.2-222.3 Relatively fresh QLP; mafics still observed but altered to biotite. Locally silicified and altered	-	-	-	W	W				1/1	-	-	tr	tr	142-144	-	-	1	-	-	-
																144-146	-	-	1	-	-	4
																146-148	-	-	3	-	-	7
																148-150	-	-	2	-	-	5
																150-152	-	-	3	-	-	2
										153.2-154.2 Rock is strongly bleached by numerous late x-cutting calcite veinlets?						152-154	-	-	9	-	-	3
																154-156	-	-	5	-	-	2
										156.0-157.3 Strong silicification w/strong to intense overprint of grn. sil. alt. (pervasive)						156-158	-	-	7	-	-	3
																158-160	-	-	3	-	-	2
																160-162	-	-	1	-	-	2
																162-164	-	-	3	-	-	1
																164-166	-	-	3	-	-	3

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INTERVAL Metres from	to	ROCK DESCRIPTION: Name colour; texture; size & % minerals or fragments; matrix. Remarks (vein sequence, gouge zones etc.)	ALTERATION (W.M.S.I.) and MINERALIZATION: argillic	quartz-sericite	brown biotite	silicification	green silicate			Remarks	Minerals % vein/diss. Py	Po	Cpy	Mag	Mo			Interval (metres)	VEINLETS: qtz - Mo	granular act - chl	chl - cp act - py	py - po cpy	anhydrite	gypsum	
										167.7 MoS_2 veinlet (no qtz) in fresh QLP at 40° to core. Qtz. veinlet 2cm away runs parallel to MoS_2 veinlet MoS_2 x-cuts a qtz veinlet at 15°							166-168	1	-	5	-	-	11	
																	168-170	-	-	6	-	-	1	
																	170-172	-	-	-	-	-	1	
																	172-174	-	-	5	-	-	3	
										174.4 Felds are pink (iron?) due to oxidation along numerous closely spaced calcite veinlets @ 70°							174-176	-	-	2	-	-	11	
																	176-178	-	-	3	-	-	5	
																	178-180	-	-	2	-	-	1	
										176.7 silicified for 10cm and traces of MoS_2. 179.3-179.8 Veinlet of anhydrite? +/- calcite w/a blackish green envelope of chlorite @ a low angle to core.														

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INTERVAL		ROCK DESCRIPTION	ALTERATION (W.M.S.I.) and MINERALIZATION														VEINLETS						
Metres		Name colour; texture; size & % minerals or fragments; matrix. Remarks (vein sequence; gouge zones etc.)	argillic	quartz-sericite	brown biotite	silicification	green silicate			Remarks	Minerals % vein/diss.						Interval (metres)	qtz - Mo	granular act - chl	chl - cp act - py	py - po cpy	anhydrite	gypsum	
from	to										Py	Po	Cpy	Mag	Mo									
										180-182 70% core recovery							180-182	-	-	-	-	-	1	
																	182-184	-	-	-	-	-	5	
										185.2-185.4 Blackish green chlorite veinlet 2-3mm wide @ low angle to core (almost parallel).							184-186	-	-	3	-	-	5	
										186.2-187 Same as above							186-188	-	-	1	-	-	2	
										192.6 Qtz-MoS_2 vnlt at 30° x-cut by a dark blackish-green chl veinlet at 5° which in turn is x-cut by a gyp+clet(?) veinlet at 60°.							188-190	-	-	1	-	-	8	
																	190-192	-	-	1	-	-	5	
																	192-194	1	-	3	-	-	3	
																	194-196	-	-	6	-	-	8	
																	196-198	-	-	6	-	-	4	
										196.1-196.5 Pinkish tinge due to pervasive pinkish brown biotite.							198-200	-	-	3	-	-	2	
										198.7 Pinkish-white pegmatite vein at 45° (2cm wide)							200-202	-	-	3	-	-	1	
										202.8 Gypsum w/chl envelope @ 55°.							202-204	-	-	6	-	-	2	
										204.0-205.4 Moderate pinkish-brown biotite giving rock a weak foliation at 60° to core.							204-206	-	-	5	-	-	-	
																	206-208	-	-	3	-	-	1	
																	208-210	-	-	3	-	-	-	
										212.5-212.7 Two pegmatite? veins at 45° to core.							210-212	-	-	1	-	-	-	

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INTERVAL Metres from	to	ROCK DESCRIPTION: Name colour; texture; size & % minerals or fragments; matrix. Remarks (vein sequence; gouge zones etc.)	ALTERATION (W.M.S.I.) and MINERALIZATION: argillic	quartz-sericite	brown biotite	silicification	green silicate			Remarks	Minerals % vein/diss. Py	Po	Cpy	Mag	Mo		Interval (metres)	VEINLETS: qtz-Mo	granular act-chl	chl-cp act-py	py-po cpy	anhydrite	gypsum	calcite
																	212-214	-	-	-	-	-	1	
																	214-216	-	-	6	-	-	4	
																	216-218	-	-	1	-	-	1	
																	218-220	-	-	2	-	-	-	
																	220-222	-	-	1	-	-	-	
		222.3-243.4 Strongly altered by silicification and chloritization; Porphyry texture only weakly recognizable	-	-	-	S	M				<1/<1	-	-	tr	-		222-224	-	-	4	-	-	3	
										224.8-225 Blk. chlorite sub-parallel to core.							224-226	-	-	2	-	-	1	
																	226-228	-	-	2	-	-	-	
																	228-230	-	-	1	-	-	-	-
																	230-232	-	-	2	-	-	-	-
																	232-234	-	-	1	-	-	-	-
										235.4 Green sil. veinlet (chl+epi) at 50° is cross cut by a calcite veinlet at 20°							234-236	-	-	3	-	-	-	1
																	236-238	-	-	-	-	-	-	5
																	238-240	-	-	-	-	-	-	2

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INTERVAL Metres from	to	ROCK DESCRIPTION: Name colour; texture; size & % minerals or fragments; matrix. Remarks (vein sequence; gouge zones etc.)	ALTERATION (W.M.S.I.) and MINERALIZATION: argillic	quartz-sericite	brown biotite	silicification	green silicate			Remarks	Minerals % vein/diss. Py	Po	Cpy	Mag	Mo	Interval (metres)	VEINLETS: qtz-Mo	granular act-chl	chl-cp act-py	py-po cpy	anhydrite	gypsum	calcite
																240-242	-	-	-	-	-	-	6
																242-244	-	-	3	-	-	-	8
243.4	255.3	Metavolcanic	-	-	-	S	M				<1/<1	-	-	tr	tr	244-246	-	-	4	-	-	-	3
		Fine grained, dark green in														246-248	-	-	6	-	-	3	8
		colour, mottled non-descript														248-250	-	-	1	-	-	2	10
		texture; minor intervals of														250-252	-	-	5	-	-	-	6
		augite porphyry.														252-254	-	-	3	-	-	7	8
		Upper contact marked by														254-256	1	-	3	-	3	4	9
		bleached pinkish metavolcanic														256-258	1	-	7	-	4	5	8
		rock cut by numerous randomly														258-260	-	-	3	-	4	6	7
		orientated calcite veinlets with														260-262	1	-	7	-	2	2	5
		chloritic envelopes.																					
		249.7-250.7 Massive quartz								254.3-254.6 Qtz. + anhydrite													
		K-spar (salmon pink colour)								(purple tinge) in veinlet parallel													
		pegmatite vein, contains								to core. Traces of MoS_2.													
		occassional diss. py. and is x-cut																					
		by a py-chl veinlet at 249.9																					
255.3	255.7	QLP dyke																					
255.7	266.9	Metavolcanic; same as 243.4-255.3	-	-	-	S	M			255.7-256.1 Massive quartz	<1/<1	-	-	tr	tr								
										vein with minor MoS_2 as well as													
										fragments of grn. metavolcanic													
										wallrock. (also more anhydrite).													

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INTERVAL Metres from	to	ROCK DESCRIPTION: Name colour; texture; size & % minerals or fragments; matrix. Remarks (vein sequence; gouge zones etc.)	ALTERATION (W.M.S.I.) and MINERALIZATION: argillic	quartz-sericite	brown biotite	silicification	green silicate			Remarks	Minerals % vein/diss. Py	Po	Cpy	Mag	Mo		Interval (metres)	VEINLETS: qtz-Mo	granular act-chl	chl-cp act-py	py-po cpy	anhydrite	gypsum	calcite
										Blebs of py-mag w/epi +/- reddish							262-264	1	-	3	-	3	5	9
										garnet (ie., 260.7)							264-266	-	-	1	-	1	6	13
266.9	267.4	QLP dyke, lower contact at 70°																						
267.4	268.5	Metavolcanic	-	-	-	S	M				<1/<1	-	-	tr	tr		266-268	-	-	1	-	1	5	11
268.5	269.0	QLP dyke																						
269.0	270.4	Metavolcanic	-	-	-	S	M				<1/<1	-	-	tr	tr		268-270	-	-	1	-	2	3	6
270.4	270.9	QLP dyke																						
270.9	275.6	Metavolcanics	-	-	-	S	M				<1/<1	-	-	tr	tr		270-272	-	-	1	-	-	1	4
		Minor augite porphyry intervals																						
		predominately fine grained								274.3 Contact between							272-274	2	-	-	-	-	3	5
		dark green metavolcanic								augite porphyry and under														
										lying fine grained metavolcanic							274-276	1	-	1	-	-	3	7
										rx at 50°, fine grained														
										rx has a silicified (3mm) border.														
275.6	293.7	QLP																						
		Highly variable alteration from																						
		fresh intervals to intensely																						
		altered																						
		275.6-278.5 Porphyry texture	-	-	-	W	M			Numerous rusty coloured	1/<1	-	-	tr	tr		276-278	-	-	1	-	6	1	2
		very apparent; mafics have								(iron stained?) anhydrite														
		been destroyed leaving a pervasive								veinlets at 50°														
		dark green chloritic matrix																						
		for the feldspar-quartz phenocrysts.																						

Riocanex Inc.

Diamond Drill Record

HOLE NO. 82-23 | Page 11 of 26

INTERVAL Metres from	to	ROCK DESCRIPTION: Name colour; texture; size & % minerals or fragments; matrix. Remarks (vein sequence, gouge zones etc.)	ALTERATION (W.M.S.I.) and MINERALIZATION: argillic	quartz-sericite	brown biotite	silicification	green silicate			Remarks	Minerals % vein/diss. Py	Po	Cpy	Mag	Mo		Interval (metres)	VEINLETS: qtz - Mo	granular act - chl	chl - cp act - py	py - po cpy	anhydrite	gypsum	calcite
		278.5-281.5 Strong pink colour	-	-	-	W	M			279.6-279.8 Brecciated	1/<1	-	-	tr	tr		278-280	-	-	-	-	4	-	2
		of feldspar (iron staining as								due to intense flooding														
		K-spar stain test negative.								of calcite.							280-282	-	-	1	-	1	-	1
		281.5-183.1 Similar to 275.6-278.5	-	-	-	W	M				1/<1	-	-	tr	tr									
		283.1-286.1 Similar to 278.5-281.5	-	-	-	W	M			285.5 Intense epidote	1/<1	-	-	tr	tr		282-284	-	-	3	-	2	-	2
		Pinkish-orange colour of								replacement of matrix and														
		feldspars is iron staining								chloritization of feldspar							284-286	-	-	9	-	-	2	3
		which seems related to fractures.								phenocrysts (10cm wide zone @ 20°														
		286.1-293.7 QLP; no iron staining	-	-	-	W	M			to core flanked by Fe stained feld.	1/<1	-	-	tr	tr		286-288	-	-	6	-	-	6	14
		feldspars; mafics locally perserved								zones on each side.														
		matrix of rx is chloritized similar								290.6 10cm wide qtz. vein w/iron							288-290	-	-	11	-	-	2	3
		to intervals 275.6-278.5, 281.5-283.1								staining at 40° to core.														
		Slightly pink feldspars as dyke								Grn. sil. alt. as epi-chl-py+/-mag.							290-292	-	-	7	-	-	-	-
		below is approached.																						
																	292-294	-	-	3	-	-	-	-
293.7	294.3	Lamprophyre Dyke	-	-	-	-	-			Upper and lower contact marked	-	-	-	-	-									
		contains lath like green pheno's								by fault gauge														
		of epidote (1-2mm long); poss.																						
		epi altered																						
294.3	404.0	QLP; same as 275.6-293.7																						
		294.3-302.5 QLP; iron stained	-	-	-	W	M			294.9-295.3 1cm wide qtz. vein sub //1/1	-	-	tr	tr			294-296	2	-	6	-	5	-	2
		pinkish-orange feldspar. Similar								to core w/a salvage of MoS_2. Also														
		to other segments above.								a calcite veinlet is seen to cross-							296-298	-	-	1	-	7	-	1
										cut an epidote patch-veinlet.														

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Diamond Drill Record

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INTERVAL Metres from	to	ROCK DESCRIPTION: Name colour; texture; size & % minerals or fragments; matrix. Remarks (vein sequence; gouge zones etc.)	ALTERATION (W.M.S.I.) and MINERALIZATION: argillic	quartz-sericite	brown biotite	silicification	green silicate			Remarks	Minerals % vein/diss. Py	Po	Cpy	Mag	Mo		Interval (metres)	VEINLETS: qtz-Mo	granular act-chl	chl-cp act-py	py-po cpy	anhydrite	gypsum	calcite
										299.0-299.8 Intensely altered to clay							298-300	-	-	-	-	1	-	-
										and cross-cut by numerous calcite														
										veinlets							300-302	1	-	3	-	-	-	5
		302.5-337.9 QLP; no pink feldspar	-	-	-	W	M			Entire interval is full of very	1/1	-	-	tr	tr									
		moderately fresh; occassional								minute fractures (tension?) filled							302-304	-	-	3	-	1	-	2
		mafic seen. Greyish colour								w/calcite and orientated randomly.														
		overall. Greenish tinge due to								Calcite veinlets listed are major							304-306	-	-	4	-	2	-	2
		chloritization of mafics.								ones.														
										Grn. sil. alt. as chl-py+/-mag+/-epi							306-308	-	-	10	-	2	-	1
										veinlets at 55° to core.														
										309.2-311.9 Porphyry texture destroy-							308-310	-	-	11	-	6	2	2
										ed by silicification; rock is a grey														
										colour w/relic pink altered sphenes							310-312	-	-	4	-	1	3	5
										remaining. Also see cal+/-gypsum														
										+/-anhydrite.														
										312.4 4cm wide orange (iron) stained							312-314	-	-	-	-	1	-	4
										quartz vein at 65° to core.														
																	314-316	-	-	4	-	2	3	-
																	316-318	-	-	2	-	2	2	-
																	318-320	-	-	1	-	3	-	6
																	320-322	-	-	1	-	3	-	1
																	322-324	-	-	-	-	3	-	2

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Diamond Drill Record

HOLE NO. 82-23 |

INTERVAL Metres from	to	ROCK DESCRIPTION: Name colour; texture; size & % minerals or fragments; matrix. Remarks (vein sequence; gouge zones etc.)	ALTERATION (W.M.S.I.) and MINERALIZATION: argillic	quartz-sericite	brown biotite	silicification	green silicate			Remarks	Minerals % vein/diss. Py	Po	Cpy	Mag	Mo		Interval (metres)	VEINLETS: qtz-Mo	granular act-chl	chl-cp act-py	py-po cpy	anhydrite	gypsum	calcite
										324.5 2cm wide band at 35° to core,							324-326	-	-	6	-	5	-	1
										of py-chl-qtz.														
																	326-328	-	-	6	-	2	-	1
																	328-330	-	-	4	-	4	-	-
																	330-332	-	-	4	-	1	-	-
										332-336 Relatively fresh QLP w/							332-334	-	-	7	-	-	1	3
										minor chloritization and epidotiza-														
										tion.														
																	334-336	-	-	3	-	-	1	1
																	336-338	-	-	3	-	-	-	1
		337.9-404.0 Intense silicification	-	-	-	I	M			343.9-344.5 Qtz. stockwork intense	1/2	<1/<1	tr	tr	tr									
		of QLP both as massive qtz.								w/bleaching and clay alteration of							338-340	-	-	8	-	-	-	8
		and intense poly-phase qtz.								feldspars.														
		vein stockwork; Mafics locally															340-342	-	-	5	-	-	-	-
		perserved but many altered																						
		to chlorite															342-344	-	-	6	-	-	-	2
		Vein Sequence at 349.8m															344-346	-	-	6	-	1	-	2
		(1) Silicification																						
		(2) Silicification								346.4-348.0 Weak pinkish-brown							346-348	-	-	9	-	-	-	1
		(3) Chl-py								biotite alteration throughout matrix														
		(4) Gypsum																						

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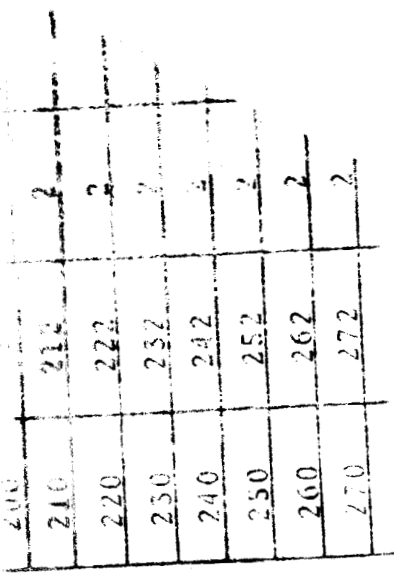
Diamond Drill Record

HOLE NO. 82-23 |

INTERVAL Metres from	to	ROCK DESCRIPTION: Name colour; texture; size & % minerals or fragments; matrix. Remarks (vein sequence, gouge zones etc.)	ALTERATION (W.M.S.I.) and MINERALIZATION: argillic	quartz-sericite	brown biotite	silicification	green silicate			Remarks	Minerals % vein/diss.: Py	Po	Cpy	Mag	Mo			Interval (metres)	VEINLETS: qtz - Mo	granular act - chl	chl - cp act - py	py - po cpy	anhydrite	gypsum	calcite
										but being destroyed and overprinted							348-350	–	–	8	–	2	1	–
										by silicification and grn. sil. alt.															
		Vein sequence at 353.8m								351.8 Traces of MoS_2							350-352	2	–	5	–	–	–	–
		(1) silicification																							
		(2) Py-chl-epi								352.3, 353.4, Reddish garnet + epi							352-354	–	1	4	–	1	4	–
		(3) silicification								patches (similar to that observed															
		(4) Py-chl-epi								in DDH 81-9).							354-356	–	2	6	1	2	2	1
		(4a) Garnet and epidote																							
		(5) Chl (hairline fractures)								355.0 Granular actinolite-chl w/															
		(6) gypsum+actinolite+chl+py-pyrr								associated py-pyrr-trace cpy.							356-358	–	–	2	–	1	4	–
		(7) gypsum																							
										358.5-359.6 Moderate pink-brown							358-360	1	–	8	4	–	2	–
										biotite pervasive alteration w/															
										patches and veinlets of py-							360-362	–	–	4	–	–	–	–
										pyrr-trace cpy.															
										359.4 MoS_2 veinlet - qtz.? x-cut							362-364	–	–	8	–	–	–	–
										by sulphide mineralization															
										359.7 Garnet and epidote + py within							364-366	–	–	6	–	–	–	1
										a qtz. vein as patches (overprint)															
										360.2 7cm wide white quartz vein							366-368	–	–	4	–	–	2	–
										at 40° to core containing numerous															
										1mm dia. rounded blebs (garnets? or							368-370	–	–	2	–	–	–	–
										iron?). They seem to be restricted															
										to the lower contact of qtz. vein							370-372	–	–	2	–	–	–	–
										362.0 Similar to 360.2															

ASSAY DATA SHEETS
HOLES 82-23, 82-24



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Assay Data Sheet

AYLWIN CREEK

HOLE NO 82-23 | Page 1 of 3

From m	To m	Length m	Ag g/t	Au g/t NA	Au g/t FA	Cu %	Cu ppm	Pb ppm	Mo ppm	W ppm	Rock	Sample Number		
50	52	2					170	820	15	12		G0867		
60	62	2					350	1500	3	10		68		
70	72	2					460	1950	19	8		69		
80	82	2					145	1600	2	2		70		
90	92	2					330	1550	11	6		71		
100	102	2					230	1250	10	2		72		
110	112	2					455	590	29	10		73		
120	122	2					550	330	50	8		74		
130	132	2					180	640	29	5		75		
140	142	2					240	600	9	18		76		
150	152	2					200	830	16	21		77		
160	162	2					220	900	4	15		78		
170	172	2					235	940	39	12		79		
180	182	2					200	740	9	10		G0880		
190	192	2					535	770	15	16		81		
200	202	2					210	820	10	7		82		
210	212	2					230	1100	13	20		83		
220	222	2					310	1200	6	15		84		
230	232	2					290	1100	5	10		85		
240	242	2					425	1250	10	15		86		
250	252	2					225	2000	13	6		87		
260	262	2					950	1850	27	7		88		
270	272	2					240	900	16	6		89		
280	282	2					245	690	16	8		G0890		

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Assay Data Sheet

HOLE NO 82-23 | Page 2 of 3

From m	To m	Length m	Ag g/t	Au g/t NA	Au g/t FA	Cu %	Cu ppm	F ppm	Mo ppm	W ppm	Rock	Sample Number	Sample Number	
290	292	2					260	860	9	5			G0891	
300	302	2					360	650	14	8			92	
310	312	2					390	730	77	9			93	
320	322	2					220	520	16	6			94	
330	332	2					100	710	28	7			95	
340	342	2					175	740	10	30			96	
350	352	2	L0.3		L0.1		102	440	10	5			97	
360	362	2	L0.3		L0.1		87	1100	5	3			98	
370	372	2	L0.3		L0.1		65	660	16	7			99	
380	382	2	L0.3		L0.1		71	520	10	12			G0900	
390	392	2	L0.3		L0.1		39	420	17	10			01	
400	402	2	L0.3		L0.1		52	170	11	10			02	
410	412	2	L0.3		L0.1		67	340	33	10			03	
420	422	2	L0.3		L0.1		68	480	8	8			04	
430	432	2					35	1200	2	3			05	
440	442	2						610	36	2			06	
450	452	2						490	47	1			07	
460	462	2						415	31	12			08	
472	474	2	1.0		0.3	0.01		515	15	9		D9011	09	
480	482	2	0.5		L0.1	0.02		1000	5	5		D9012	G0910	
484	486	2						590	20	4			11	
488	490	2	1.3		L0.1	0.04		720	9	5		D9013	12	
492	494	2						910	9	2			13	
496	498	2						930	9	1			14	

L=less than

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Assay Data Sheet

HOLE NO 82-23 | Page 3 of 3

From m	To m	Length m	Ag g/t	Au g/t NA	Au g/t FA	Cu %	Cu ppm	F ppm	Mo ppm	W ppm	Rock	Sample Number	Sample Number	
500	502	2	1.0		L0.1	0.03		1000	7	1		D9014	G0915	
504	506	2						100	15	1			16	
508	510	2	1.0		L0.1	0.03		1100	6	4		D9015	17	
512	514	2						645	5	2			18	
516	518	2						650	2	1			19	
520	522	2	1.0		L0.1	0.03		1100	6	2		D9016	G0920	

L=less than

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Assay Data Sheet

AYLWIN CREEK

HOLE NO 82-24 | Page 1 of 4

From m	To m	Length m	Ag g/t	Au g/t NA	Au g/t FA	Cu %	Cu ppm	F ppm	Mo ppm	W ppm	Rock	Sample Number	Sample Number	
30	32	2					275	1400	25	1			G0921	
40	42	2					250	880	10	1			G0922	
50	52	2					400	1100	27	1			23	
60	62	2					235	960	29	1			24	
70	72	2					465	610	125	13			25	
80	82	2					530	700	175	7			26	
90	92	2					490	630	285	2			27	
100	102	2					380	840	53	9			28	
110	112	2					390	1700	11	4			29	
120	122	2					265	820	10	2			G0930	
130	132	2					800	1350	32	32			31	
140	142	2					380	1450	10	68			32	
150	152	2					450	840	11	18			33	
152	154	2										D9015		
154	156	2										16		
156	158	2	7.5		0.8	.35						17		
158	160	2	10.0		1.4	.46						18		
160	162	2	11.5		1.8	.61		1450	22	15		19	G0934	
162	164	2	5.3		0.5	.24						D9020		
164	166	2	3.3		0.5	.20						21		
166	168	2	2.5		0.3	.07						22		
168	170	2	1.3		L0.1	.03						23		
170	172	2	1.0		0.3	.08		1500	23	21		24	G0935	
172	174	2	1.7		0.3	.12						25		

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Assay Data Sheet

AYLWIN CREEK

HOLE NO 82-24 |

From m	To m	Length m	Ag g/t	Au g/t NA	Au g/t FA	Cu %	Cu ppm	F ppm	Mo ppm	W ppm	Rock	Sample Number	Sample Number	
174	176	2	1.7		0.4	.08						26		
176	178	2	1.3		0.3	.07						27		
178	180	2	1.0		L0.1	.03						28		
180	182	2	1.7		0.1	.06		1300	19	1		29	G0936	
182	184	2	1.3		L0.1	.02						D9030		
184	186	2	1.0		L0.1	.02						31		
186	188	2	1.3		0.2	.08						32		
188	190	2	1.0		0.1	.04						33		
190	192	2	0.8		L0.1	.03		1000	4	1		34	G0937	
192	194	2	1.0		0.3	.08						35		
194	196	2	2.5		0.5	.06						36		
196	198	2	2.8		0.5	.16						37		
198	200	2	2.5		0.5	.19						38		
200	202	2	11.3		3.2	.90		700	35	25		39	G0938	
202	204	2	10.5		2.2	.90						D9040		
204	206	2	8.8		1.6	.81						41		
206	208	2	1.7		0.3	.17						42		
208	210	2	3.6		0.7	.32						43		
210	212	2	3.9		1.3	.39		900	32	180		44	G0939	
212	214	2	5.0		1.6	.48						45		
214	216	2	5.5		2.1	.53						46		
216	218	2	13.3		3.8	1.00						47		
218	220	2	48.3		9.2	3.90						48		
220	222	2	3.3		2.1	.29		950	22	30		49	G0940	

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Assay Data Sheet

AYLWIN CREEK

HOLE NO 82-24 |

From m	To m	Length m	Ag g/t	Au g/t NA	Au g/t FA	Cu %	Cu ppm	F ppm	Mo ppm	W ppm	Rock	Sample Number	Sample Number	
222	224	2	49.5		58.9	2.80						D9050		
224	226	2	8.0		3.8	.58						51		
226	228	2	3.9		3.4	.35						52		
228	230	2	4.7		2.6	.41						53		
230	232	2	25.5		15.2	1.74		900	46	50		54	G0941	
232	234	2	9.0		6.0	.70						55		
234	236	2	6.8		2.0	.37						56		
236	238	2	8.3		3.0	.54						57		
238	240	2	3.6		0.6	.38						58		
240	242	2	6.0		3.2	.61		1250	36	35		59	G0942	
242	244	2	7.5		1.1	.50						D9060		
244	246	2	8.0		0.6	.20						61		
246	248	2	1.7		0.4	.12						62		
248	250	2	0.8		0.2	.08						63		
250	252	2					1250	640	6	70			G0943	
260	262	2					570	1150	28	12			44	
270	272	2					118	1100	40	15			45	
280	282	2					510	860	8	25			46	
290	292	2					310	680	6	8			47	
300	302	2					300	780	32	25			48	
310	312	2					310	940	34	8			49	
320	322	2					205	660	11	8			G0950	
330	332	2					245	950	17	6			51	
340	342	2					205	790	18	7			52	

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Assay Data Sheet

AYLWIN CREEK

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From m	To m	Length m	Ag g/t	Au g/t NA	Au g/t FA	Cu %	Cu ppm	F ppm	Mo ppm	W ppm	Rock	Sample Number	Sample Number	
350	352	2					265	740	15	8			53	
360	363	2					310	640	38	5			54	
370	372	2					270	610	24	8			55	
380	382	2					260	720	7	8			56	
390	392	2					200	510	13	7			57	
400	402	2					285	730	21	4			58	
410	412	2					260	650	9	2			59	
420	422	2					255	650	1	3			G0960	
430	432	2					18	530	17	1			61	
440	442	2					300	840	15	2			62	
450	452	2					250	750	17	2			63	
460	462	2					390	1600	54	2			64	
470	472	2					330	730	22	7			65	
480	482	2					205	950	13	5			66	
490	492	2					240	780	9	4			67	
500	502	2					110	700	6	2			68	
510	512	2					64	580	3	2			69	
520	522	2					68	530	4	2			G0970	
530	532	2					43	610	6	1			71	
540	542	2					86	590	7	1			72	
550	552	2					127	760	9	2			73	
560	562	2					133	640	8	2			74	

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Assay Data Sheet

HOLE NO 82-24 | Page 1 of 1

From m	To m	Length m	Ag g/t	* Au g/t CUT	Au g/t FA	Cu %	Cu ppm	F ppm	Mo ppm	W ppm	Rock	Sample Number		
A V E R A G E S														
156.0	162.0	6.0	9.7		1.3	0.47								
162.0	166.0	4.0	4.3		0.5	0.22								
166.0	194.0	28.0	1.3		0.2	0.06								
194.0	200.0	6.0	2.6		0.5	0.14								
200.0	208.0	8.0	8.1		1.8	0.70								
208.0	244.0	36.0	12.0	3.7	6.7	0.88								
200.0	244.0	44.0	11.3	3.4	5.8	0.85								
* GOLD ASSAYS CUT TO 10 g/t 2 SAMPLES.														

Riocanex Inc.

Diamond Drill Record

LOCATION	9999.72N, 9875.3E			HOLE NO. 82-24	Page 1 of 28
AZIMUTH	090°	DIPS collar 69°	CONTRACTOR D.W. Coates	PROPERTY Aylwin Creek	
ELEVATION	1229.5m	- 150m 69.5° , - 300 m 71.5°	LOGGED BY L.R. Haynes and K.B. Heather	CLAIM NO. Rockland (L3884)	
LENGTH	565.5m	- 450 m 76.5° , - 565 m 80°	DATE STARTED: July 9, 1982	SECTION NO. 10,000N	
CORE SIZE	NQ/BQ	See Sperry-Sun Survey	FINISHED: July 21, 1982	STARTED July 2, 1982	
PURPOSE	To test mineralized zone at depth.			COMPLETED July 21, 1982	

INTERVAL Metres from	to	ROCK DESCRIPTION Name colour; texture; size & % minerals or fragments; matrix. Remarks (vein sequence, gouge zones etc.)	ALTERATION (W.M.S.I.) and MINERALIZATION: argillic	quartz-sericite	brown biotite	silicification (pervasive)	green silicate	silicfn (stockwk)		Remarks	Minerals % vein/diss. Py	Po	Cpy	Mag	Mo			Interval (metres)	VEINLETS: qtz-Mo	granular act-chl	chl-cp act-py	py-po cpy	anhydrite	gypsum	calcite	barren qtz. veinlet
0	27.4	Overburden																								
27.4	102.0	QLP																								
		Porphyry texture locally																								
		vague due to superimposing alt's.																								
		Mafics locally perserved as																								
		biotite. Rock is both pervasively																								
		and stockwork silicified.																								
		27.4-42.2 Porphyry texture	W	-	W	W	-	W		27.4-42.2 Core well broken up	<1/<1	-	-	-	-											
		generally recognizable; Mafics								making veinlet counting useless.																
		locally perserved.																								
		42.2-84.7 Mafics are destroyed	W	-	W	M	W	M		Locally pervasive orange colour	1/1	-	tr	4/4	tr			42-44	-	-	2	-	-	-	2	6
		and both types of silicification								of feldspars due to iron staining																
		are moderate; but locally																44-46	-	-	-	-	-	-	4	2
		weak.								Abundant chlorite on fractures																
		Feldspars are altered to chl.								of broken core.								46-48	-	-	-	-	-	-	3	2
		in places; but predominately								47.0 30cm zone of broken up core																
		just bleached to a "clay like"								and minor gauge.								48-50	-	-	-	-	-	-	2	5
		white colour.								50.5 Gyp+py+Chl veinlet at 60°																
										51.2 1.5cm wide qtz. veinlet at 25°								50-52	-	-	3	-	-	2	3	4
										w/iron stained porphyry surrounding																

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HOLE NO. 82-24 |

INTERVAL Metres from	to	ROCK DESCRIPTION: Name colour; texture; size & % minerals or fragments; matrix. Remarks (vein sequence; gouge zones etc.)	ALTERATION (W.M.S.I.) and MINERALIZATION: argillic	quartz-sericite	brown biotite	silicification	green silicate			Remarks	Minerals % vein/diss. Py	Po	Cpy	Mag	Mo			Interval (metres)	VEINLETS: qtz-Mo	granular act-chl	chl-cp act-py	py-po cpy	anhydrite	gypsum	calcite
		Silicification Sequence								it is x-cut by py-epi veinlet								52-54	-	-	8	-	-	-	4
		(1) Stockwork qtz. +/- MoS_2 (tr)								at ~25°.															
		(2) Pervasive overprint								51.4-58.1 Strong silicification															
		(3) Stockwork quartz								(pervasive).															
		Silicification sequence is								51.3 Barren qtz. vein at 50° (0.5cm															
		still perplexing								wide) apparently x-cutting pervasive															
										silicification.															
										52.0 Iron stained qtz. vein															
										(1cm wide) x-cutting pervasive															
										silicification at 45°.															
										52.0-52.5 Strong silicification															
										overprinted by patchy and															
										veinlet py-mag-epi-chl alteration.															
										54.7-55.7 30% core recovery								54-56	2	-	-	-	-	-	2
																			56-58	1	-	1	-	-	-	1
																			58-60	2	-	3	-	2	-	1
																			60-62	1	-	1	-	1	-	4
										64.9 Qtz-MoS_2 veinlet at 30°; has								62-64	-	-	2	-	-	-	1
										green alt. feld. 20cm on each side.															
																			64-66	1	-	2	-	-	-	3
																			66-68	1	-	2	-	-	-	2

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INTERVAL Metres from	to	ROCK DESCRIPTION: Name colour; texture; size & % minerals or fragments; matrix. Remarks (vein sequence, gouge zones etc.)	ALTERATION (W.M.S.I.) and MINERALIZATION: argillic	quartz-sericite	brown biotite	silicification (per)	green silicate	silicfn. (stockwk)	Remarks	Minerals % vein/diss. Py	Po	Cpy	Mag	Mo			Interval (metres)	VEINLETS: qtz-Mo	granular act-chl	chl-cp act-py	py-po cpy	anhydrite	gypsum	calcite
									68.8 Two py-mag+/-epi veinlets								68-70	-	-	6	-	-	-	-
									w/trace cpy at 60°.															
									70.3 4 anhydrite veinlets w/chl.								70-72	-	-	4	-	6	-	2
		72.7 Vein Sequence							(light green colour) at 15°.															
		(1) Barren qtz. (0.5cm wide) at 0°.							71.9-72.2 Mafics perserved but								72-74	1	-	2	-	4	-	1
		(2) Anhydrite +/-chl. (bleached							altered to biotite.															
		envelope) at 30°.							75.6-75.8 Bleached and altered								74-76	1	-	4	-	1	-	-
		(3) Chl + minor qtz. at 25°.							zone; gauge development.															
x		(4) Py-mag+minor chl.+qtz. at 45°.							76-82 Qtz-MoS_2 veinlets								76-78	4	-	-	-	-	-	2
		(5) Calcite (tension fillings?).							sub-parallel to core.															
																	78-80	4	-	2	-	2	-	-
									81.0-84.7 Strongly bleached.															
x									See gypsum? +chl. veinlets								80-82	3	-	-	-	3	-	-
									sub-parallel to core.															
																	82-84	4	-	-	-	1	-	-
x		84.7-102.0 QLP; porphyry texture	-	-	-	S	W	M	85.6-86.1 Weak pinkish brown	<1/1	-	-	tr/<1	tr										
		vague due to pervasive and							biotite vestiges.								84-86	1	-	2	-	1	-	-
		stockwork silicification; Moderate to																						
		strong overprint by py-chl.							87.8 Qtz-MoS_2 veinlet at 15°.								86-88	2	-	2	-	-	-	-
		When feldspars are seen they																						
		are bleached or altered to a							89.3-90.0 Three qtz-MoS_2 veinlets								88-90	4	-	1	-	-	-	-
x		waxy green colour.							sub-parallel to core.															
		84.7-94.2 Core well broken; 75%															90-92	4	-	1	-	-	-	-
		core recovery.																						
																	92-94	-	-	6	-	-	-	2

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INTERVAL Metres from	to	ROCK DESCRIPTION: Name colour; texture; size & % minerals or fragments; matrix. Remarks (vein sequence; gouge zones etc.)	ALTERATION (W.M.S.I.) and MINERALIZATION: argillic	quartz-sericite	brown biotite	silicification (Per)	green silicate	silicin. (stockwk)	Remarks	Minerals % vein/diss.: Py	Po	Cpy	Mag	Mo			Interval (metres)	VEINLETS: qtz-Mo	granular act-chl	chl-cp act-py	py-po cpy	anhydrite	gypsum	calcite
									96.0 Qtz-MoS_2 veinlet at 85° to core broken up.								94-96	-	-	6	-	-	-	1
									97.2-97.4 Strong py-grn. sil. alt. patch.								96-98	1	-	3	-	-	-	2
									100.0-100.2 Patch of py-grn. sil. alt. similar to 97.2-97.4 (minor red hematite)								98-100	1	-	3	-	-	-	4
																	100-102	-	-	7	-	-	-	6
102.0	122.0	Heterogeneous Breccia																						
		102.0-113.3 Fragments are only seen locally in this segment. Overall colour of rock ranges from greyish-green to dark green. Greyish-green segments are fine grained rock w/weak pinkish tinge (secondary biotite) broken up by green silicate crackling; dark-green segments are augite porphyry. This interval (102-113.3) may be metavolcanic locally crackled.	-	-	-	W	S	-	102.0-104.5 Strong sulphide as diss. (5%) and veinlets (3%) of py. (no pyrr. or mag.). Some calcite veinlets have gypsum and/or hematite accompanying them (both clearly x-cut py veinlets).	1/3	-	-	-	-			102-104	-	-	10	-	-	-	12
																	104-106	-	-	11	-	-	1	20
																	106-108	-	-	2	-	-	-	26
																	108-110	-	-	6	-	-	-	22
									104.5-104.6 Fragment of pink biotitized porphyry?								110-112	-	-	4	-	-	-	15
									109.2-109.4 Bleached porphyry fragments (1cm→4cm dia.).								112-114	-	-	1	-	-	2	19
		112.2 Vein Sequence							112.6-113.3 Highly fractured by late calcite fracture fillings.															
		(1) Pyrite									.													
		(2) Calcite + gypsum st 60°																						
		(3) Calcite at 25°																						
		(4) Calcite at 75°							Epidote commonly accompanys diss. py.															

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INTERVAL Metres from	to	ROCK DESCRIPTION: Name colour; texture; size & % minerals or fragments; matrix. Remarks (vein sequence; gouge zones etc.)	ALTERATION (W.M.S.I.) and MINERALIZATION: argillic	quartz-sericite	brown biotite	silicification (perv)	green silicate	silicfn (stockwk)		Remarks	Minerals % vein/diss.: Py	Po	Cpy	Mag	Mo		Interval (metres)	VEINLETS: qtz-Mo	granular act-chl	chl-cp act-py	py-po cpy	anhydrite	gypsum	calcite
		113.3-120.0 Fragmental texture is	-	-	-	-	S	-		114.8 Calcite + red hematite veinlet	1/2	-	-	tr/<1	-		114-116	-	-	4	-	-	1	8
		more prominate in this interval.								@ 25°, x-cutting py-epi veinlets														
		Contact w/overlying interval								and fragments and matrix of the							116-118	-	-	5	-	-	-	6
		is graditional; Fragments are								breccia.														
		generally vague but apparent.								117.3 0.5cm wide calcite veinlet @25°							118-120	-	-	5	-	-	-	5
		Frags. of augite porphyry, black								x-cutting py veinlet at 65°.														
		metavolcanic and porphyries															120-122	-	-	3	-	-	-	9
		(QLP and Fp?); matrix is fine																						
		grained greyish-green colour.																						
		Black metavolcanic fragments																						
		have abundant py-epi +/- mag																						
		as diss. throughout and as rims.																						
122.0	136.8	Metavolcanic	-	-	-	-	M	-		122.0-123.5 Core broken up and	<1/1	-	-	tr	-		122-124	-	-	1	-	-	-	12
		Light greyish-green rock with								gougy in places.														
		a weak foliation locally; upper								Sulphide is in the form							124-126	-	-	-	-	-	-	9
		contact is graditional with the								of py diss. w/epi throughout														
		breccia but marked by more								the rock.							126-128	-	-	5	-	-	2	13
		intense calcite veining;								125.7 Fragments of black meta-														
										volcanic ? and porphyry ?							128-130	-	-	5	-	-	3	8
										131.1-131.2 Vein breccia due to														
										intense calcite and gypsum veining							130-132	-	-	2	-	-	2	12
										130.1-130.9 5% diss. py.														
																		132-134	-	-	2	-	-	3	17
																		134-136	-	-	3	-	-	1	10

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INTERVAL		ROCK DESCRIPTION	ALTERATION (W.M.S.I.) and MINERALIZATION																VEINLETS							
Metres		Name colour; texture; size & % minerals or fragments; matrix. Remarks (vein sequence, gouge zones etc.)	argillic	quartz-sericite	brown biotite	silicification (per)	green silicate	silicification (stockwk)		Remarks	Minerals % vein/diss.							Interval (metres)	qtz - Mo	granular act - chl	chl - cp act - py	py - po cpy	anhydrite	gypsum	calcite	
from	to										Py	Po	Cpy	Mag	Mo											
										Gypsum + calcite + hematite veinlets.																
136.8	162.3	Heterogeneous Breccia																136-138	-	2	3	-	-	3	7	-
		136.8-152.4 Fragments well defined	-	-	-	-	S	-		Black metavolcanic fragments	1/3	1½/1½														
		predominately black metavolcanic,								have epi-py rims								138-140	-	-	-	-	4	4	4	-
		augite porphyry and less Fp																								
		and QLP. Matrix is made up																140-142	-	-	-	-	4	2	10	-
		of abundant epi-py.																								
		144.4 Vein Sequence																142-144	-	-	3	-	-	3	14	-
		(1) Qtz. vein																								
		(2) py+mag+chl? veinlet in qtz vein																144-146	-	-	4	-	-	3	6	3
		(3) Breccia breaks veinlet																								
		(4) Qtz. vein and breccia																146-148	-	-	5	-	-	4	7	-
		x-cut by a sub-parallel to core																								
		calcite-gypsum and hematite																148-150	-	-	2	-	-	2	7	2
		veinlet.																								
		141.0-147.5 Fragments well								150-152.4 Rock is slightly bleached								150-152	-	-	-	-	-	-	3	-
		displayed in this interval; black								and breccia texture is vague.																
		metavolcanic fragments have																								
		abundant foliated pyrite.																								

Barren qtz. veinlet

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INTERVAL Metres from	to	ROCK DESCRIPTION: Name colour; texture; size & % minerals or fragments; matrix. Remarks (vein sequence; gouge zones etc.)	ALTERATION (W.M.S.I.) and MINERALIZATION: argillic	quartz-sericite	brown biotite	silicification (per)	green silicate	silicfn (stockwk)		Remarks	Minerals % vein/diss. Py	Po	Cpy	Mag	Mo		Interval (metres)	VEINLETS: qtz-Mo	granular act-chl	chl-cp act-py	py-po cpy	anhydrite	gypsum	calcite
		152.4-155.8 Shear zone; highly	-	-	-	-	-	-		153.1-154.0, 155.0-158.0 Fault	-	-	-	-	-		152-154	-	-	-	-	-	-	>20
		broken and intense calcite								gouge.														
		fracture filling, with intense								153.7 Two large (1.5cm wide)							154-156	-	-	-	-	-	-	>20
		chloritization.								calcite veinlets at 25°.														
																					Pyrite Blebs			
		155.8-162.3 Good breccia texture	-	-	-	-	S	-		155.8-156.7 Bleached with	2/6	tr	tr	1/2	-		156-158	-	-	-	12	-	-	7
		with black metavolcanic (70%)								little or no sulphide; i.e. likely														
		QLP (5%), augite porphyry (2%),								because of shear zone.							158-160	-	-	-	21	-	-	3
		matrix (23%). Matrix is a																						
		greyish-green colour.															160-162	-	-	-	12	-	-	6
		Abundant py-mag as blebs																						
		in the matrix and as veins																						
		and also as rims on frags.																						
162.3	167.3	Metavolcanic	-	-	-	-	S	W		Qtz. veins are distorted by	2/2	-	tr	1/1	-		162-164	-	-	12	2	-	-	2
		Black metavolcanic (same as								movement after there emplacement														
		majority of frags. in overlying								(ie, they were pre-breccia but							164-166	-	-	15	3	-	-	5
		breccia.								moved past breccia).														
		Rx is x-cut by abundant								Strong veinlet preference							166-168	-	-	7	-	-	2	5
		py-epi veinlets; i.e. this								at 25° to core.														
		is incipient to the over-																						
		lying breccia								Contact w/underlying lamp-														
										rophyre dyke is marked by														
										bleaching of the metavolcanic														
										and later emplacement of a gypsum-														
										calcite veinlet along this contact.														

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INTERVAL Metres from	to	ROCK DESCRIPTION: Name colour; texture; size & % minerals or fragments; matrix. Remarks (vein sequence, gouge zones etc.)	ALTERATION (W.M.S.I.) and MINERALIZATION: argillic	quartz-sericite	brown biotite	silicification (per)	green silicate	silicnf. (stockwk)	Remarks	Minerals % vein/diss. Py	Po	Cpy	Mag	Mo			Interval (metres)	VEINLETS: qtz-Mo	granular act-chl	chl-cp act-py	py-po cpy	anhydrite	gypsum	calcite	
167.3	169.6	Lamprophyre Dyke	-	-	-	-	-	-		-	-	-	-	-							Pyrite Blebs +/- cpy.				
		Dark black with bleached																							
		contacts; upper at 20°; lower																							
		at 25°.																							
		Both upper and lower																							
		contacts have gypsum-calcite																							
		veinlets // to and along the																							
		contact.																							
169.6	200.0	Metavolcanic	-	-	-	-	S	W	Py-pyroxene-chl. veinlet	2/2	-	tr	<1/<1	-			168-170	-	-	-	-	-	1	6	-
		Black colour; same rocks as							at 45°.																
		162.3-167.3															170-172	-	-	9	5	-	2	2	4
		Green sil. veinlets cause a weak							A large majority of gypsum,																
		bleached and envelope to develope.							anhydrite veinlets follow								172-174	-	=	13	2	-	13	5	1
		Portions of this rock appear to be							pre existing grn. sil. veinlets																
		augite porphyry.							(i.e. reactivated).								174-176	-	-	11	-	-	13	-	-
																	176-178	-	-	12	-	-	6	1	-
									Two prominate veinlet directions								178-180	-	1	5	-	2	1	2	2
									are at 45° and 30°.																
																	180-182	-	-	12	2	4	5	-	-
									183.5 2cm wide qtz. vein @10°; x-cut																
									by py-chl veinlets.								182-184	-	-	5	-	6	2	-	2
																	184-186	-	-	5	-	4	9	2	

Pattern qtz. veinlet

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INTERVAL		ROCK DESCRIPTION	ALTERATION (W.M.S.I.) and MINERALIZATION																VEINLETS						
Metres		Name colour; texture; size & % minerals or fragments; matrix. Remarks (vein sequence; gouge zones etc.)	argillic	quartz-sericite	brown biotite	silicification (per)	green silicate	silicfn. (stockwk)	purple anhydrite	red garnet	Remarks	Minerals % vein / diss.						Interval (metres)	qtz - Mo	granular act - chl	chl - cp act - py	py - po cpy	anhydrite	gypsum	calcite
from	to											Py	Po	Cpy	Mag	Mo										
																		186-188	-	3	9	-	2	1	-
																		188-190	-	-	8	-	6	2	-
																		190-192	-	-	5	-	4	2	2
											193.5-193.9 Bleached zone (light							192-194	-	-	7	-	3	1	5
											green colour); more py-epi														
											in this zone.							194-196	-	2	6	-	4	2	2
																		196-198	-	4	9	-	1	-	5
																		198-200	-	1	9	-	2	-	8
200.0	262.0	Heterogeneous Breccia																							
		200.0-205.1 Intense pervasive	-	-	-	I	I	-	-	-	Dark colour of some segment	3/7	2/3	<1/1	<1/<1	-		200-202	-	-	10	14	-	-	7
		silicification overprinted by									is due to amphibole-chl.														
		intense epi-py-pyrr-cpy									assoc. with the py-pyrr-							202-204	-	-	8	19	-	1	2
		mineralization.									cpy mineralization. Both														
		Light and dark segments									appears to overprint the														
		within this interval are relic									silicification.														
		porphyry and metavolcanic									203.4-203.6 "Buckshot pyrite"; re-														
		fragments respectively.									crystallized into large cubes.														
		205.1-208.6 Large block of	-	-	S	W	W	-	-	-	Cpy-pyrr-py blebs not found	<1/2	tr/1	tr/<1	tr/tr	-		204-206	-	-	8	5	-	9	3
		feldspar porphyry with short									within the feldspar porphyry														
		segments of biotitic-monolithic									segment.							206-208	-	-	4	-	-	15	3

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INTERVAL		ROCK DESCRIPTION	ALTERATION (W.M.S.I.) and MINERALIZATION																VEINLETS							
Metres		Name colour; texture; size & % minerals or fragments; matrix. Remarks (vein sequence; gouge zones etc.)	argillic	quartz-sericite	brown biotite	silicification (per)	green silicate	silicfn (stockwk)	purple anhydrite	red garnet	Remarks	Minerals % vein/diss. Py	Po	Cpy	Mag	Mo			Interval (metres)	qtz-Mo	granular act-chl	chl-cp act-py	py-po cpy	anhydrite	gypsum	calcite	
from	to																										
		breccia; biotite making up matrix																									
		isn't the char. pink colour, its																									
		black but still fine grained as is																									
		char. Locally the biotite is pink.																									
		208.6-243.0	-	-	W	-	S	-	M	W		4/6	2/3	2/2	2/2	tr			208-210	-	-	12	3	4	3	4	1
		Heterogeneous breccia with																									
		fragments of Fp, QLP, meta-									211.3,212.7,213.9,215.3,215.4,215.8								210-212	-	-	6	3	1	13	2	
		volcanics. Fragments are									220.1,223.0,227.4-227.5,																
		large as individual rock types									Purple anhydrite								212-214	1	-	8	3	2	7	5	
		show up as short intervals									veins and patches; commonly																
		separated by py-epi-mag-pyrr-									with minor gypsum.																
		cpy in different combinations.																									
		Matrix is predominately									212.6 Qtz-MoS_2 vein in an																
		sulphide but locally purple									augite porphyry frag.; vein is at																
		anhydrite has replaced? matrix									65° to core.																
		locally.																									
		209.8-210.0 large metavolcanic-									213.5 3cm bleb of py-mag																
		siltstone fragment.									(no pyrr. or cpy); however																
											smaller blebs a few cm's																
		Also matrix is made up of fine									away do have cpy.																
		grained green material.									213.9 10cm bleb of py-mag																
											(no cpy-pyrr); x-cut by																
											calcite veinlet.																
											214.0,214.3,214.6 Large blebs								214-216	-	-	11	8	4	6	2	
											of py-mag-amph-epi-minor cpy.																

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INTERVAL		ROCK DESCRIPTION	ALTERATION (W.M.S.I.) and MINERALIZATION																	VEINLETS							
Metres		Name colour; texture; size & % minerals or fragments; matrix. Remarks (vein sequence; gouge zones etc.)	argillic	quartz-sericite	brown biotite	silicification (per)	green silicate	siliclfn. (stockwk)	purple anhydrite	red garnet	Remarks	Minerals % vein/diss.							Interval (metres)	qtz - Mo	granular act - chl	chl - cp act - py	py - po cpy	anhydrite	gypsum	calcite
from	to											Py	Po	Cpy	Mag	Mo											
		216.0-220.8 Highly crackled									216.0-222.0 5-6% Cpy.								216-218	-	-	14	12	-	-	2
		QLP black with weak									216.2,216.7,216.9,217.0,217.1,217.2																
		pink biotite alteration									217.5,217.9,218.0,218.2,218.3								218-220	3	-	10	12	-	4	-
		crackled by massive py-									(large cpy bleb(10cm)), 218.4,																
		pyrr-cpy-mag.									218.8,218.9,219.0,219.1,219.3,								220-222	-	-	11	6	1	-	-
											219.7,221.0,221.3,221.4 Large																
											2-10cm blebs of py-cpy-pyrr-mag-																
											epi.																
											220.0 3 quartz-MoS_2 veinlets																
											in QLP fracture.																
																			222-224	-	-	9	11	4	2	-
																			224-226	-	-	10	4	-	25	-
																			226-228	-	-	8	-	8	14	2
																			228-230	-	-	4	3	4	17	2
																			230-232	-	-	11	4	4	28	2
																			232-234	-	-	5	6	3	10	3
											235.8 5cm bleb of py-cpy-mag.								234-236	-	-	2	3	1	4	3
																			236-238	-	-	6	5	1	5	4

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INTERVAL Metres from	to	ROCK DESCRIPTION: Name colour; texture; size & % minerals or fragments; matrix. Remarks (vein sequence; gouge zones etc.)	ALTERATION (W.M.S.I.) and MINERALIZATION: argillic	quartz-sericite	brown biotite	silicification (pervasive)	green silicate	silicfn (stockwk)	purple anhydrite	red garnet	Remarks	Minerals % vein/diss. Py	Po	Cpy	Mag	Mo		Interval (metres)	VEINLETS: qtz-Mo	granular act-chl	chl-cp act-py	py-po cpy	anhydrite	gypsum	calcite	qtz-carb-fsp. veinlet
											238.4-240.7 Large slightly crack-							238-240	-	-	4	3	4	4	6	-
											led and locally brecciated block																
											of dark green metavolcanic w/low							240-242	-	-	4	2	2	4	4	3
											sulphide content.																
											240.7-242.3 High sulphide content;							242-244	-	-	3	4	2	2	4	2
											1.5% Cpy.																
											243.0-243.6 Tectonic breccia w/																
											calcite matrix (late stage).																
		243.0-262.0 Heterogeneous	-	-	-	-	S	-	-	-	245.2 10cm zone of abundant	2/1	tr/tr	tr/tr	1/<1	-		244-246	-	1	4	-	-	1	8	1
		breccia similar to 208.0-243.0									calcite veining and brecciation.																
		except sulphide content has																246-248	-	-	3	-	1	6	2	-
		decreased drastically; matrix																									
		varies from greyish-green to																248-250	-	1	3	-	4	7	1	-
		dark green.																									
		Fragment are predominately																250-252	-	-	4	-	-	10	-	-
		black metavolcanic and																									
		porphyry (Fp and/or QLP; diff.																252-254	-	2	7	-	-	9	-	-
		to tell difference), and augite																									
		porphyry.																254-256	-	-	4	-	-	4	2	-
																		256-258	-	-	4	-	2	3	1	-
																		258-260	-	1	3	-	2	2	5	-
																		260-262	-	-	1	-	2	3	5	-

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INTERVAL		ROCK DESCRIPTION	ALTERATION (W.M.S.I.) and MINERALIZATION																VEINLETS						
Metres		Name colour; texture; size & % minerals or fragments; matrix. Remarks (vein sequence; gouge zones etc.)	argillic	quartz-sericite	brown biotite	silicification(per)	green silicate	silicfn. (stockwk)	purple anhydrite	red garnet	Remarks	Minerals % vein/diss.						Interval (metres)	qtz - Mo	granular act - chl	chl - cp act - py	py - po cpy	anhydrite	gypsum	calcite
from	to											Py	Po	Cpy	Mag	Mo									
262.0	271.0	Feldspar Porphyry	-	-	M	-	M	-	-	-	Where grn. sil. veinlet x-cut	<1/1	-	-	<1/<1	-		262-264	-	-	4	-	4	4	3
		Contact w/overlying breccia									the														
		is very graditional. This appears									265.0 Granular grn. sil. veinlet							264-266	-	1	4	-	1	5	-
		to be a block in the breccia.									at 55°; reactivated by anhydrite														
		Biotite alteration is fine									veinlet.							266-268	-	1	6	-	-	7	-
		grained like the more char.									267.5,267.9 Granular grn. sil.														
		pink biotite alteration but									veinlets at 65° and 40°.							268-270	-	-	6	-	2	4	-
		has darker colour. (same alt.									269.3 Two qtz. veins (1cm wide)														
		however).									at 35°.							270-272	-	2	3	-	5	3	2
		Locally get development									269.6-272.6 Bleached zone;														
		of biotitic (Fp) breccia in									light green colour with short														
		short segments.									(1-10cm) zones of weak reminant														
		Light pink coloured biotite seems									pink biotite; zone is cut by														
		to be an alteration of the darker									numerous green sil. veinlets.														
		(pink) biotite?																							
271.0	282.0	Heterogeneous Breccia	-	-	W	-	S	-	-	-	271.3 Reminant porphyry	<1/<1	-	-	tr/<1	-		272-274	-	-	1	-	3	2	2
		Predominately Fp fragments									frags. bleached along with														
		and black metavolcanic frags.									matrix due to bleached							272-276	-	-	3	-	8	2	5
		in a dark green matrix.									zone described from														
		Also QLP frags.; porphyry									269.6-272.6 above.							276-278	-	1	-	-	10	-	1
		frags. have diss. py-epi-mag									279.9 2cm wide green pyroxene														
		throughout them and as rims									veinlet with a black amphibole							278-280	-	3	1	-	3	-	3
		in some cases (black matavolcanic									envelope (seen in o/c and in														
		frags. also show this).									other drill holes) at 40° to core							280-282	-	1	4	-	1	-	-
											280.0-283.5 Rock is weakly														
											foliated with bands of more							282-284	-	2	6	-	1	-	1

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INTERVAL Metres from	to	ROCK DESCRIPTION: Name colour; texture; size & % minerals or fragments; matrix. Remarks (vein sequence, gouge zones etc.)	ALTERATION (W.M.S.I.) and MINERALIZATION: argillic	quartz-sericite	brown biotite	silicification (per)	green silicate	silicfn. (stockwk)	purple anhydrite	red garnet	Remarks	Minerals % vein/diss. Py	Po	Cpy	Mag	Mo			Interval (metres)	VEINLETS: qtz - Mo	granular act - chl	chl - cp act - py	py - po cpy	anhydrite	gypsum	calcite
											pink biotite altered rx with green															
											sil bands; Bands @ 50° to core.															
282.0	289.5	Feldspar Porphyry with short	-	-	S	-	M	-	-	-		<1/1	-	-	tr/<1	-			284-286	-	1	2	-	4	-	-
		intervals of biotitic intrusion bx.																								
		(similar to 262.0-271.0)																	286-288	-	-	2	-	4	-	-
																			288-290	-	1	2	-	1	-	1
289.5	294.0	Heterogeneous Breccia	-	-	M	-	S	-	-	-		<1/1	-	-	tr/<1	-			290-292	-	-	2	-	3	2	1
		(similar to 271.0-282.0)																								
																			292-294	-	-	-	-	1	2	3
294.0	457.7	Feldspar Porphyry with	-	-	S	-	W	-	-	-	293.9-294.8 Bleached and	<1/1	-	-	tr/<1	-			294-296	-	-	3	-	3	-	3
		short intervals of biotitic									chloritized (matrix and															
		intrusion breccia.									feldspars respectively).								296-298	-	-	-	-	1	2	2
		294.0-294.8 Fp																								
		294.8-299.7 Fp biotitic intrusion bx.																	298-300	-	-	-	-	3	2	1
		299.7-308.1 Fp																								
																			300-302	-	-	1	-	4	-	1
		Fp segments are char. by																								
		having equigranular feldspar																	302-304	-	-	-	-	3	-	-
		pheno's in a matrix of dark									304.0 Granular green sil. veinlet															
		pinkish black biotite.									@ 90° to core; w/weak bleached								304-306	-	2	3	-	2	-	-
		However, phenocryst size									(silicified) envelope.															
		varies from 1mm to zones									305.5 Granular green sil.								306-308	-	-	5	-	1	3	-
		where 2-3mm is the average.									veinlet at 75°.															

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INTERVAL		ROCK DESCRIPTION	ALTERATION (W.M.S.I.) and MINERALIZATION																VEINLETS							
Metres		Name colour; texture; size & % minerals or fragments; matrix. Remarks (vein sequence, gouge zones etc.)	argillic	quartz-sericite	brown biotite	silicification (pervasive)	green silicate	silicfn. (stockwk)	purple anhydrite	red garnet	Remarks	Minerals % vein/diss. Py	Po	Cpy	Mag	Mo			Interval (metres)	qtz - Mo	granular act - chl	chl - cp act - py	py - po cpy	anhydrite	gypsum	calcite
from	to																									
		308.1-316.7 Biotitic Breccia																	308-310	–	2	3	–	2	1	–
																			310-312	–	–	1	–	2	2	1
																			312-314	–	1	3	–	–	2	–
																			314-316	–	–	3	–	–	3	–
		316.7-327.1 Fp; green sil. alt. has	–	–	M	S	M	–	–	–	317.0-317.3 Bleached zone cut	2/1	–	–	<1/tr	–			316-318	–	–	10	–	2	2	1
		become moderate to strong locally.									by gypsum & anhydrite veinlets.								318-320	–	–	7	–	1	1	–
		Porphyry texture is very vague.																								
		Has appearance of fine grained									Majority of the py-act-mag															
		rock with a pinkish hue. (secondary									veinlets are at 30° and 65°.								320-322	–	–	15	–	2	–	–
		biotite).																	322-324	–	–	5	–	2	2	–
																			324-326	–	–	8	–	–	–	2
		327.1-341.3 Biotitic Breccia	–	–	I	–	W	–	–	–		<1/<1	–	–	tr	–			326-328	–	–	2	–	3	–	2
																			328-330	–	1	4	–	1	–	1
																			330-332	–	–	6	–	1	–	1
																			332-334	–	1	2	–	4	–	3

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INTERVAL Metres from	to	ROCK DESCRIPTION: Name colour; texture; size & % minerals or fragments; matrix. Remarks (vein sequence, gouge zones etc.)	ALTERATION (W.M.S.I.) and MINERALIZATION: argillic	quartz-sericite	brown biotite	silicification (per)	green silicate	silicin. (stockwk)	purple anhydrite	red garnet	Remarks	Minerals % vein/diss.: Py	Po	Cpy	Mag	Mo		Interval (metres)	VEINLETS: qtz - Mo	granular act - chl	chl - cp act - py	py - po cpy	anhydrite	gypsum	calcite
											334.5-336.0 Classic pink secondary							334-336	-	-	3	-	5	-	3
											biotite colour as opposed to															
											the darker secondary biotite							336-338	-	-	2	-	3	-	1
											found in the majority of this															
											drill hole.							338-340	-	-	3	-	3	-	1
		341.3-359.4 Fp; bleached and	-	-	M	M	M	-	-	-		I/I	-	-	tr/tr	-		340-342	-	-	2	-	2	1	2
		silicified and overprinted by																							
		green silicate alteration;																342-344	-	-	4	-	1	-	-
		porphyry texture still visible																							
		but overall strongly altered.									346.0-346.8 Strong silicification							344-346	-	-	2	-	1	-	-
											(pervasive).														
											346.9-347.6 3% disseminated Py:							346-348	-	-	2	-	-	-	-
																		348-350	-	-	1	-	1	-	-
																		350-352	-	-	2	-	1	-	-
																		352-354	-	-	8	-	-	-	-
											-							354-356	-	-	3	-	1	-	1
																		356-358	-	-	5	-	1	-	2
X		359.4-361.5 Biotitic Breccia;	-	-	I	W	W	-	-	-	359.0 5cm bleached zone w/4 chl-	<1/<1	-	-	tr/tr	-									
		breccia texture locally obscured									calcite veins at 55°.							358-360	-	-	2	-	3	-	4
		due to pervasive silicification.																							

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INTERVAL		ROCK DESCRIPTION	ALTERATION (W.M.S.I.) and MINERALIZATION																	VEINLETS							
Metres		Name colour; texture; size & % minerals or fragments; matrix. Remarks (vein sequence, gouge zones etc.)	argillic	quartz-sericite	brown biotite	silicification (per)	green silicate	silicification (stockwk)	purple anhydrite	red garnet	Remarks	Minerals % vein / diss.							Interval (metres)	qtz - Mo	granular act - chl	chl - cp act - py	py - po cpy	anhydrite	gypsum	calcite
from	to											Py	Po	Cpy	Mag	Mo											
																			360-362	-	-	1	-	-	-	-
		361.5-378.1 Fp; locally porphyry	-	-	M	M	M	-	-	-		<1/1	-	-	tr/tr	-			362-364	-	-	3	-	1	1	4
		texture masked by grn. sil. alt. and silicification.																	364-366	-	-	3	-	2	-	1
																			366-368	-	-	-	-	2	-	2
																			368-370	-	-	2	-	1	-	-
																			370-372	-	-	2	-	1	-	1
																			372-374	-	-	3	-	3	-	-
											375.4-375.5 White pegmatite dykes at 40°.								374-376	-	-	3	-	6	-	3
											375.8-376.0 White pegmatite dyke at 40°.								376-378	-	-	3	-	1	-	2
		378.1-389.7 Biotitic Breccia (similar to segments described earlier). Black biotitic matrix is bein replaced by grn. sil. alt. (i.e. amp-py-epi-chl.)	-	-	M	W	M	-	-	-	378.5-378.6 Irregular pegmatite vein; contains pieces of highly biotitized and grn. sil. altered wall rock.	<1/1	-	-	<1/<1	-			378-380	-	-	2	-	-	-	-
																			380-382	-	-	2	-	4	-	1
											379.4' Pegmatite dyke at 75° to core (5cm wide).								382-384	-	-	2	-	2	-	-
											Anhydrite veins are at 20°								384-386	-	-	5	-	-	-	-

barren qtz. veinlet

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INTERVAL Metres from	to	ROCK DESCRIPTION: Name colour; texture; size & % minerals or fragments; matrix. Remarks (vein sequence, gouge zones etc.)	ALTERATION (W.M.S.I.) and MINERALIZATION: argillic	quartz-sericite	brown biotite	silicification (per cation)	green silicate	silicfn (stockwk)	purple anhydrite	red garnet	Remarks	Minerals % vein/diss. Py	Po	Cpy	Mag	Mo		Interval (metres)	VEINLETS: qtz - Mo	granular act - chl	chl - cp act - py	py - po cpy	anhydrite	gypsum	calcite
																		386-388	-	-	3	-	1	-	1
		389.7-402.5 Fp; porphyry texture	-	-	M	M	S	-	-	-		1/1	-	-	<1/<1	-		388-390	-	-	2	-	2	-	7
		vague due to silicification and grn.																390-392	-	-	1	-	1	-	4
		sil. alt.; rock has a mottled																							
		green colour with tinges of																392-394	-	-	7	-	4	-	2
		pink (secondary biotite).																							
											394.0-394.6 Numerous irregular							394-396	-	-	8	-	1	-	-
											white pegmatite veins; adjacent														
											wall rock is altered to a waxy							396-398	-	-	9	-	-	-	-
											light green colour (chlorite?).														
											394.7-395.6 Large white pegmatite							398-400	-	-	8	-	2	-	-
											vein (dyke?) cross cut by														
											py-chl veinlets; Dykes upper							400-402	-	-	11	-	2	-	2
											contact at 65°, lower at 8°.														
											401.1 1cm wide white pegmatite														
											vein at 40°.														
		402.5-412.8 Biotitic breccia;	-	-	S	M	M	-	-	-	404.0 10cm segment of intense	<1/1	-	-	<1/<1	-		402-404	-	-	3	-	2	-	-
		locally the grn. sil. alt. is									grn. sil. alt. and abundant														
		strongly overprinting the biotitic									pyrite+mag. (minor) + epidote.							404-406	-	-	6	-	4	-	-
		matrix. Fragments are more vague																							
		where grn. sil. alt. overprints.																406-408	-	-	4	-	3	-	1
																		408-410	-	-	12	-	2	-	-

barren qtz. veinlet

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INTERVAL		ROCK DESCRIPTION	ALTERATION (W.M.S.I.) and MINERALIZATION																VEINLETS							
Metres		Name colour; texture; size & % minerals or fragments; matrix. Remarks (vein sequence, gouge zones etc.)	argillic	quartz-sericite	brown biotite	silicification (per)	green silicate	silicfn (stockwk)		Remarks	Minerals % vein/diss.							Interval (metres)	qtz - Mo	granular act - chl	chl - cp act - py	py - po cpy	anhydrite	gypsum	calcite
from	to										Py	Po	Cpy	Mag	Mo											
																		410-412	-	-	7	-	2	-	1
		412.8-429.1 Fp; porphyry texture	-	-	M	M	S	-		412.8-413.0, 416.1 Numerous	1/1	-	-	<1/<1	-										
		vague (similar to 389.7-402.5m).								py-amph-epi veinlets at 55°.								412-414	-	-	8	-	-	-	1
																		414-416	-	-	4	-	-	-	4
																		416-418	-	-	10	-	4	-	3
										418.0 10cm wide orange iron stained								418-420	-	-	6	-	2	-	-
										pegmatite vein at 40°.								420-422	-	-	4	-	2	-	1
										423.7 1cm wide quartz vein (pegma-								422-424	-	-	5	-	4	-	3
										tite related?) at 40°.															
										424.1-424.2 White aplitic dyke								424-426	-	-	16	-	1	-	1
										(similar to that seen in the bottom															
										of DDH-80-1 & DDH-82-23 with								426-428	-	-	9	-	2	-	-
										diss. pinkish black flecks (secondary															
										biotite)(1mm) at 65°-70°;								428-430	-	-	4	-	-	-	1
										424-426 Grn. sil. veinlets and quartz															
										veinlet are at 30° and 25° respect-															
										ively.															
										426.3-426.5 3 White pegmatitic veins															
										(1cm to 3cm wide) at 55°, 70° and 80°															
										428.9-429.0 White aplitic dyke															
										(similar to 424.1-424.2) at 60°.															

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INTERVAL		ROCK DESCRIPTION	ALTERATION (W.M.S.I.) and MINERALIZATION																VEINLETS							
Metres		Name colour; texture; size & % minerals or fragments; matrix. Remarks (vein sequence, gouge zones etc.)	argillic	quartz-sericite	brown biotite	silicification (per)	green silicate	silicfn. (stockwk)		Remarks	Minerals % vein/diss.							Interval (metres)	qtz - Mo	granular act - chl	chl - cp act - py	py - po cpy	anhydrite	gypsum	calcite
from	to										Py	Po	Cpy	Mag	Mo											
		429.1-433.7 Fresh Fp with mafics	-	-	W	-	-	-		431.8-432.0 Patch of biotite	tr	-	-	-	-			430-432	-	-	3	-	-	-	1
		in original positions but altered								alteration with grn. sil. veinlets																
		to black biotite and green								x-cutting it and destroying								432-434	-	-	3	-	-	-	-
		chlorite (poss. green biotite?).								it; porphyry texture is totally																
		Lower contact is sharp at 30°								destroyed; appears almost																
		and upper contact is sharp								to be a fragment in the																
		against the aplitic dyke.								fresh rock but likely a																
										fracture related phenomena.																
		433.7-436.9 Altered Fp; porphyry	-	-	M	M	M	-		436.4-436.9 White pegmatite dyke	<1/<1	-	-	<1/tr	-			434-436	-	2	8	-	-	-	4
		texture very vague; grn. sil.								with small patches of pyrite-																
		alt. is most prominate and is								pagnetite (minor) -blackish green								436-438	-	-	3	-	1	-	1
		seen destroying pink biotite.								mineral (amph. or pyroxene ??; fine-																
										grained). Dyke has upper contact																
	.									obscured in broken core; lower																
										contact at 2-3° to core.																
		436.9-443.4 Fp; pervasive pink	-	-	S	M	M	-		Pervasive py-mag finely diss.	1/1	-	-	<1/1	-			438-440	-	1	10	-	1	-	-
		colour; porphyry texture weak.								throughout rock.																
		Diss. py. content is slightly								442.7 0.5cm wide pegmatitic vein								440-442	-	-	9	-	1	-	-
		higher than segment above.								at 45°; x-cut by py-biotite																
		Sharp contact with overlying								patch.								442-444	-	1	10	-	-	-	-
		altered Fp at 40°.																								
		443.4-457.7 Altered Fp; rock is	-	-	W	S	M	-			<1/tr	-	-	<1/tr	-			444-446	-	-	6	-	1	-	2
		lighter colour due to bleaching								448.7 Py-mag-epi-calcite (minor)																
		(silicification); locally pink								veinlet at 30°.								446-448	-	-	8	-	1	-	

barren qtz. veinlet

Riocanex Inc.

Diamond Drill Record

HOLE NO. 82-24 | Page 21 of 28

INTERVAL		ROCK DESCRIPTION	ALTERATION (W.M.S.I.) and MINERALIZATION																				VEINLETS						
Metres		Name colour; texture; size & % minerals or fragments; matrix. Remarks (vein sequence, gouge zones etc.)	argillic	quartz-sericite	brown biotite	silicification (pervasive)	green silicate	silicfn. (stockwk)	purple anhydrite		Remarks	Minerals % vein/diss. Py	Po	Cpy	Mag	Mo			Interval (metres)	qtz - Mo	granular act - chl	chl - cp act - py	py - po cpy	anhydrite	gypsum	calcite
from	to																												
		biotite alt. is moderate; porphyry									449.7-449.8, 449.9-450.0 Two								448-450	-	-	5	-	-	-	1
		texture destroyed.									pegmatite dykes @ 45° and 30°																
		Graditional upper and									respectively.								450-452	-	-	2	-	1	-	6
		lower contacts.									451.5-455.0 Interval is well																
											bleached to waxy green colour;								452-454	-	-	1	-	6	-	14
											calcite veinlet content increases.																
											452-454 Calcite +/- anhydrite								454-456	-	-	1	-	2	-	3
											veinlets at 30°, 35° and 45°.																
											454.4 Clear quartz vein (0.5cm								456-458	-	-	2	-	-	-	5
											wide) @ 40°; minor diss. py and																
											chlorite along border and within																
											the veinlet.																
											456.6-456.7 Quartz vein (milky																
											white) at 35°.																
457.7	462.9	Heterogeneous Breccia	-	-	-	-	I	-	W			1/1	-	-	<1/<1	-			458-460	-	-	3	-	-	-	5
		Green coloured matrix; fragments																									
		are vague but recognizable									461.2 1cm wide purple anhydrite								460-462	-	-	2	-	4	-	7
		locally; fragments of									veinlet at 55°; all purple																
		porphyry (type unknown) and									anhydrite veinlets have irregular								462-464	-	-	2	-	-	-	14
		black biotitic metavolcanics;									dark green amphibole envelopes.																
		matrix has a weak to moderately																									
		developed foliation																									
		(some frags. smeared?) at 30°																									
		to core; upper contact marked																									
		by vague but quick colour																									

barren qtz. veinlet

Riocanex Inc.

Diamond Drill Record

HOLE NO. 82-24 |

INTERVAL		ROCK DESCRIPTION	ALTERATION (W.M.S.I.) and MINERALIZATION																VEINLETS							
Metres		Name colour; texture; size & % minerals or fragments; matrix. Remarks (vein sequence, gouge zones etc.)	argillic	quartz-sericite	brown biotite	silicification (pervasive)	green silicate	silicfn (stockwk)	purple anhydrite	Remarks	Minerals % vein/diss.							Interval (metres)	qtz - Mo	granular act - chl	chl - cp act - py	py - po cpy	anhydrite	gypsum	calcite
from	to										Py	Po	Cpy	Mag	Mo											
		change (to green colour from																								
		pinkish hue); lower contact																								
		obscured by light green																								
		bleached and calcite shattered																								
		region, lower contact is arbitrary.																								
462.9	489.3	Feldspar Porphyry??; greenish	-	-	W	M	S	-	-	Calcite veinlets at 30°	<1/<1	-	-	tr/tr	-			464-466	-	-	-	-	-	-	6
		grey colour, locally dark green;								466.9 0.5cm quartz vein at 50°																
		porphyry texture is extremely																466-468	-	-	4	-	2	-	7
		vague.																								
																		468-470	-	-	3	-	1	-	7
																		470-472	-	-	2	-	2	-	3
																		472-474	-	-	2	-	2	-	1
																		474-476	-	-	2	-	4	-	2
																		476-478	-	-	2	-	3	-	-
																		478-480	-	-	10	-	4	-	2
		480.0-484.1 Weakly fragmental								480-484.1 Dark green colour with								480-482	-	-	6	-	6	-	10
		in this interval; breccia??								calcite veinlets x-cutting hematite																
		Fragments (?) are extremely								stained anhydrite patches and								482-484	-	-	3	-	3	-	10
		vague due to alteration.								veinlets																

Barren qtz. veinlet

Riocanex Inc.

Diamond Drill Record

HOLE NO. 82-24 | Page 23 of 28

INTERVAL Metres from	to	ROCK DESCRIPTION: Name colour; texture; size & % minerals or fragments; matrix. Remarks (vein sequence, gouge zones etc.)	ALTERATION (W.M.S.I.) and MINERALIZATION: argillic	quartz-sericite	brown biotite	silicification	green silicate	siliceous (stockwk)	purple anhydrite	Remarks	Minerals % vein/diss.: Py	Po	Cpy	Mag	Mo			Interval (metres)	VEINLETS: qtz-Mo	granular act-chl	chl-cp act-py	py-po cpy	anhydrite	gypsum	calcite
		484.1-489.3 Fracture zone; intensely bleached and cut by numerous calcite veinlets. Feldspars where present are altered to chlorite; abundant chlorite (?) throughout the zone.								484.1-486.1 Bleached white; entire interval reacts positively with HCl; gouge locally (veinlet counting impossible).								484-486	-	-	-	-	?	-	?
																		486-488	-	-	4	-	5	-	17
																		488-490	-	-	2	-	2	-	25
489.3	510.2	Heterogeneous Breccia Fragments are vague; pred. porphyry (Fp or QLP?; diff. to tell), also black biotite frags. Matrix is dark green with slight foliation at 55-60°.	-	-	-	-	I	-	W	490.2 1cm wide calcite veinlet @35°	1/1	-	-	<1/<1	-			490-492	-	-	2	-	4	-	11
										490.6-490.8 Orange-white pegmatite dyke (K-spar and iron staining and quartz); upper contact at 55°, lower at 80°.								492-494	-	-	8	-	2	-	6
																		494-496	-	-	3	-	2	-	1
										494.0-494.2 Strong diss. + vein epidote + pyrite (minor)								496-498	-	-	2	-	-	-	2
										494.2-494.4 Pegmatite dyke (orange-white); upper contact at 60° and lower at 65°.								498-500	-	-	1	-	-	-	3
										495.0 1cm wide pegmatite vein at 50°.															
										496.0 Purple anhydrite (fluorite?) veinlet at 30° with pyrite; x-cut by hairline chl-amph-calcite veinlet at 45°.															
										497.9 3cm wide pegmatite dyke at 499.2-500.2 Orange-white pegmatite dyke, upper contact at 40° (irregular), lower contact irregular.								500-502	-	-	1	-	1	-	10
																		502-504	-	-	4	-	2	-	6

Iron qtz. veinlet

Riocanex Inc.

Diamond Drill Record

HOLE NO. 82-24 |

INTERVAL		ROCK DESCRIPTION	ALTERATION (W.M.S.I.) and MINERALIZATION															VEINLETS						
Metres		Name colour; texture; size & % minerals or fragments; matrix. Remarks (vein sequence, gouge zones etc.)	argillic	quartz-sericite	brown biotite	silicification (per)	green silicate	silicification (stockwk)	purple anhydrite	Remarks	Minerals % vein/diss. Py	Po	Cpy	Mag	Mo			Interval (metres)	qtz - Mo	granular act - chl	chl - cp act - py	py - po cpy	anhydrite	gypsum	calcite
from	to																								
										500.8-501.0 Pegmatite dyke at 20° upper contact and lower at 60°.							504-406	-	-	3	-	1	-	2
										501.2-501.3 Pegmatite; upper contact at 50°, lower contact at 30°.														
										501.7-501.8 Pegmatite dyke with minor diss. py-chl? and x-cut by a calcite vein at 13°, pegmatite upper contact at 55°, lower contact at 55°.														
										504.5 5cm wide white pegmatite dyke at 60°.							506-508	-	-	8	-	-	-	5
										507.3-507.4 Orange pegmatite dyke at 70°.							508-510	-	-	11	-	2	-	6
510.2	521.6	Feldspar Porphyry	-	-	S	M	W	-	-		tr/<1	-	-	tr/<1	-			510-512	-	-	2	-	1	-	1
		Coarse grained variety, texturally similar to QLP; locally strong silicification and intrusion of dykes (leucocratic and aplitic) have destroyed in part or whole, the biotite intrusion.																512-514	-	-	1	-	-	-	2
		511.1-511.5 White-quartz rich pegmatite? dyke at 60°.																							
		512.4-512.9 Dyke similar to 511.1-511.5, @ 45°, also contains patches																							

Riocanex Inc.

Diamond Drill Record

HOLE NO. 82-24 |

INTERVAL Metres from	to	ROCK DESCRIPTION: Name colour; texture; size & % minerals or fragments; matrix. Remarks (vein sequence, gouge zones etc.)	ALTERATION (W.M.S.I.) and MINERALIZATION: argillic	quartz-sericite	brown biotite	silicification (per)	green silicate	silicfn. (stockwk)		Remarks	Minerals % vein/diss. Py	Po	Cpy	Mag	Mo			Interval (metres)	VEINLETS: qtz-Mo	granular act-chl	chl-cp act-py	py-po cpy	anhydrite	gypsum	calcite
		of diss. biotite.															514-516		-	-	4	-	1	-	2
		515.1-515.8 Intensely altered								515.1-515.8 Py-mag content increases															
		by green silicate alteration,								slightly to 2% combined.							516-518		-	-	6	-	3	-	3
		rock has weak resemblance																							
		to vague breccia intervals																							
		logged earlier.																							
		515.8-516.0 White pegmatite dyke																							
		at 45°.																							
		516.0-516.9 Intensely altered								516.0-516.9 Py-mag content															
		similar to 515.1-515.8.								similar to 515.1-515.8.															
		516.9-517.9 Bleached Fp; white																							
		altered Fp; matrix has pervasive																							
		waxy green colour.																							
		517.9-518.6 Weak greenish-white															518-520		-	-	1	-	-	-	5
		silicified? zone.																							
		518.6-519.4 Bleached Fp similar															520-522		-	-	-	-	2	-	3
		to 516.9-517.9.																							
		519.4-519.6 White pegmatite dyke																							
		at 80°.																							
		519.6-520.0 Foliated green pyro-								519.6-520.0 Metavolcanic?															
		xene? - biotite zone with minor																							
		quartz-plagioclase; occassional																							
		large plagioclase phenocrysts																							
		near lower contact; interval																							
		resembles a foliated augite																							
		porphyry; foliated at 60-70°.																							

barren qtz. veinlet

Riocanex Inc.

Diamond Drill Record

HOLE NO. 82-24 |

INTERVAL		ROCK DESCRIPTION	ALTERATION (W.M.S.I.) and MINERALIZATION																VEINLETS						
Metres		Name colour; texture; size & % minerals or fragments; matrix. Remarks (vein sequence, gouge zones etc.)	argillic	quartz-sericite	brown biotite	silicification (pervasive)	green silicate	silicification (stockwk)		Remarks	Minerals % vein/diss.							Interval (metres)	qtz - Mo	granular act - chl	chl - cp act - py	py - po cpy	anhydrite	gypsum	calcite
from	to										Py	Po	Cpy	Mag	Mo										
		520.0-521.6 Bleached and																							
		silicified Fp with pervasive																							
		waxy green colour (similar																							
		to 518.6-519.4).																							
521.6	521.9	Metavolcanic? Foliated green																							
		pyroxene? biotite zone.																							
521.9	522.5	Altered Fp (similar to 518.6-519.4).																							
522.5	524.7	Metavolcanic? Foliated pyroxene and																522-524	-	-	-	-	1	-	7
		biotite; foliation at 65°.																							
524.7	526.7	Altered Fp (similar to 518.6-519.4).																524-526	-	-	6	-	1	-	3
526.7	526.9	White aplitic dyke at irregular																							
		contacts.																							
																		526-528	-	-	6	-	2	-	7
526.9	531.8	Metavolcanic? Foliated pyroxene and																							
		biotite; foliation at 60°.																528-530	-	-	2	-	2	-	9
		Occassional large (recrystallized)																							
		plagiclase.																							
531.9	565.5	Feldspar Porphyry (?)																							
		531.9-532.6 Intensely silicified																530-532	-	-	1	-	1	-	6
		Fp; Fp weak biotite.																							
		532.6-534.8 Highly altered Fp								532.6-534.8 Kaolinite in veinlets								532-534	-	-	1	-	-	-	-
		with intense kaolinization								within this zone.															

barren qtz. veinlet

Riocanex Inc.

Diamond Drill Record

HOLE NO. 82-24 |

INTERVAL Metres from	to	ROCK DESCRIPTION: Name colour; texture; size & % minerals or fragments; matrix. Remarks (vein sequence, gouge zones etc.)	ALTERATION (W.M.S.I.) and MINERALIZATION: argillic	quartz-sericite	brown biotite	silicification (per)	green silicate	silicfn (stockwk)	Remarks	Minerals % vein/diss. Py	Po	Cpy	Mag	Mo	Interval (metres)	VEINLETS: qtz-Mo	granular act-chl	chl-cp act-py	py-po cpy	anhydrite	gypsum	calcite	barren qtz. veinlet
		of the feldspars.																					
									534.5 Py vein along a kaolinite						534-536	-	-	3	1	-	-	-	2
									veinlet at 30°.														
		534.8-565.5 Feldspar porphyry													536-538	-	-	3	-	3	-	-	1
		with varying alteration locally;							Py (fine-grained) forms matrix														
		pink biotite overprinted							and veinlets locally.						538-540	-	-	3	-	7	-	-	2
		by silicification (destroys																					
		porphyry texture) and green													540-542	-	-	6	-	6	-	-	3
		silicate alteration.																					
		549.0-549.8 White pegmatite													542-544	-	-	2	-	7	-	-	1
		dyke at 55°.																					
		550.6 7cm wide white													544-546	-	-	5	-	2	-	2	1
		pegmatite dyke at 50°.																					
															546-548	-	-	7	-	3	-	-	1
									Grn. sil. veinlets @ pred. 60°						548-550	-	-	-	-	2	-	-	-
									and anhydrite at variable.														
															550-552	-	-	11	-	3	-	2	-
									552.5-562.0 Rock has overall						552-554	-	-	7	-	2	-	3	-
									darker colour over this interval														
									due to secondary biotite and						554-556	-	-	5	-	3	-	2	-
									grn. sil. veinlets; portions of														
									this interval look brecciated (pink						556-558	-	-	2	-	-	-	2	1
									biotite altered frags. in a silicif-														
									ied matrix) but is just an alteration						558-560	-	-	7	-	-	-	-	1

Riocanex Inc.

Diamond Drill Record

HOLE NO. 82-24 | Page 28 of 28

INTERVAL		ROCK DESCRIPTION	ALTERATION (W.M.S.I.) and MINERALIZATION																VEINLETS							
Metres		Name colour; texture; size & % minerals or fragments; matrix. Remarks (vein sequence, gouge zones etc.)	argillic	quartz-sericite	brown biotite	silicification (per)	green silicate	silicfn (stockwk)		Remarks	Minerals % vein / diss.							Interval (metres)	qtz - Mo	granular act - chl	chl - cp act - py	py - po cpy	anhydrite	gypsum	calcite	
from	to										Py	Po	Cpy	Mag	Mo											
										affect.								560-562	–	–	8	–	–	–	3	2
																		562-564	–	–	4	–	–	–	3	2
										564.8-565.5 Increasing bleaching																
										kaolinization of feldspars.								564-566	–	–	1	–	2	–	–	2
	565.5	END OF HOLE																								

barren qtz. veinlet

L14923
L14924
L2229
L14515
ENT 5
ENT 4
L14925
L6911
L5740
LEONA 7
L8976
L5736
L5738
L6910
LEONA 8
LEONA 10
L5734
L5739
L5735
L6909
Aylwin Creek
MR. O
LEONA 9
GOLDEN
L7303
L14926
L6908
ALY 7
LITTLE
DAISY
L7302
GOLDEN
FR.
L7307
L14927
IDLER
L7304
IDLER
FRACTION
Little Daisy Creek
WILLA
L1529
ROCKLAND
L3884
RUSH
AYL 1
ENT 1
Aylwin Creek
RUSTLER
L3885
AYLWIN
LAKE
L5881
L5878
L5879
L4264
ENT 3
AYL 2
L5233
L5232
Highland Creek
Beaverton Creek
ENT 2

LEGEND

- Riocanex Claims
- BP Claims
- Optioned Claims
- Others

} Joint Venture

10,927

N.T.S. 82 F/14

SCALE 1:5000

100 50 0 100 200 300 400 Metres

RIO TINTO CANADIAN EXPLORATION LTD.

RIOCANEX-BP AYLWIN CREEK JOINT VENTURE

CLAIM MAP

DATE	DRAWN BY	DWG.
NOV. 1981	DCD/dag	C 8931

81-22,-23
23.86m

WILLA
L1529

LITTLE DAISY
L7302

ROCKLAND
L3884

RUSH

Aylwin Creek

Wild Creek

Willa No.1 Adit

No.2 Adit

Portal 2

1 P 3

5-10% py, 1-2% po, cp

1% py, po

8% py, 1% po

5-7% py, 1% po

4-5% py

5% py

3-4% py

5-7% py

2% py

3-5% py

2-3% py mlct

2-3% py

4% py

5-6% py

6% py

7% py

2-3% py

3-4% py

2% py

9,800 E
9,900 E
10,000 E
10,100 E

10,200 N
10,100 N
10,000 N
9,900 N
9,800 N

81-21
81-13
81-20
DH-5
DH-2
81-10
DH-1
81-12
DH-3
C-2
C-4
80-8
82-24
81-11
81-9
C-1
80-7
80-2
80-1
80-6
80-3
80-5
81-15
80-4
81-19
81-18
81-16
81-14
81-17

1200
1220
1240
1260
1280
1300
1320
1340
1360
1380
1400

1b
2
4
4a
6
8

Lamprophyre
Nelson Quartz Monzonite
7a Related Aplite and Pegmatite Dykes
Intrusive Breccia
Hornblende Feldspar Porphyry
Feldspar Porphyry
4a Biotitic Intrusion Breccia
White Feldspar Porphyry
Quartz Latite Porphyry
2d Alaskite
Metavolcanics
1a Siltstone
1b Augite porphyry
1c Siliceous hornfels
1d Undifferentiated metasediments

Outcrop
Geological Contact, defined
Geological Contact, assumed
Claim Boundary
Drillhole 1980/81, 1982

10,927

N.T.S. 82 F/14
SCALE 1:500
10 5 0 10 20 30 40 Metres

RIO TINTO CANADIAN EXPLORATION LTD.
RIOCANEX-BP AYLWIN CREEK JOINT VENTURE
GEOLOGY & DRILLHOLES

DATE	DRAWN BY	DWG.
NOV. 198	K.H./L.H./d.a.g.	G 8900