KERR PROJECT REPORT - 1989

VOLUME II OF III

APPENDICES
(1989 Diamond Drill Logs, Lithogeochemistry)

GENERAL CONTENTS

VOLUME I	TEXT, MAPS AND APPENDICES
VOLUME II	APPENDICES (1989 Diamond Drill Logs, Lithogeochemistry)
VOLUME III	APPENDICES (1987-88 Diamond Drill Logs, Lithogeochemistry)

KERR PROJECT REPORT - 1989

VOLUME II OF III

APPENDIX V

1989 Drill Hole Logs, Lithogeochemistry, Histograms, Microlynx Computer Print-Outs, and Cross Sections (in Pocket)

DRILL HOLE LOG ABBREVIATIONS

Ref	-	Diamond drillhole reference number
RL	-	Reference level, elevation
RQ	-	Rock quality index
ROCKNAME	-	MONZ - monzonite ANDS - andesite PLAG PRPH - Plagioclase Porphyry SRCT SCHT - Sericite Schist SILC SULPH STWK - Silicified Sulphide Stockwork DCIT - Dacite LPLL - Lapilli XTAL - Crystal SLST - Siltstone LMND - Laminated BREC - Brecciated
TXT	-	Texture FG - fine grained MG - medium grained CG - coarse grained SHRD - Sheared

ALTERATION (%)

SI	-	Pervasive silicification
QV	-	Quartz veining
SE	-	Sericite
CY	-	Clay
CH	-	Chlorite
EP	-	Epidote
CB	-	Carbonate
GM	-	Ankerite
A1	-	Anhydrite
A2	-	Alteration mineral 2
IN	-	Total rock alteration intensity

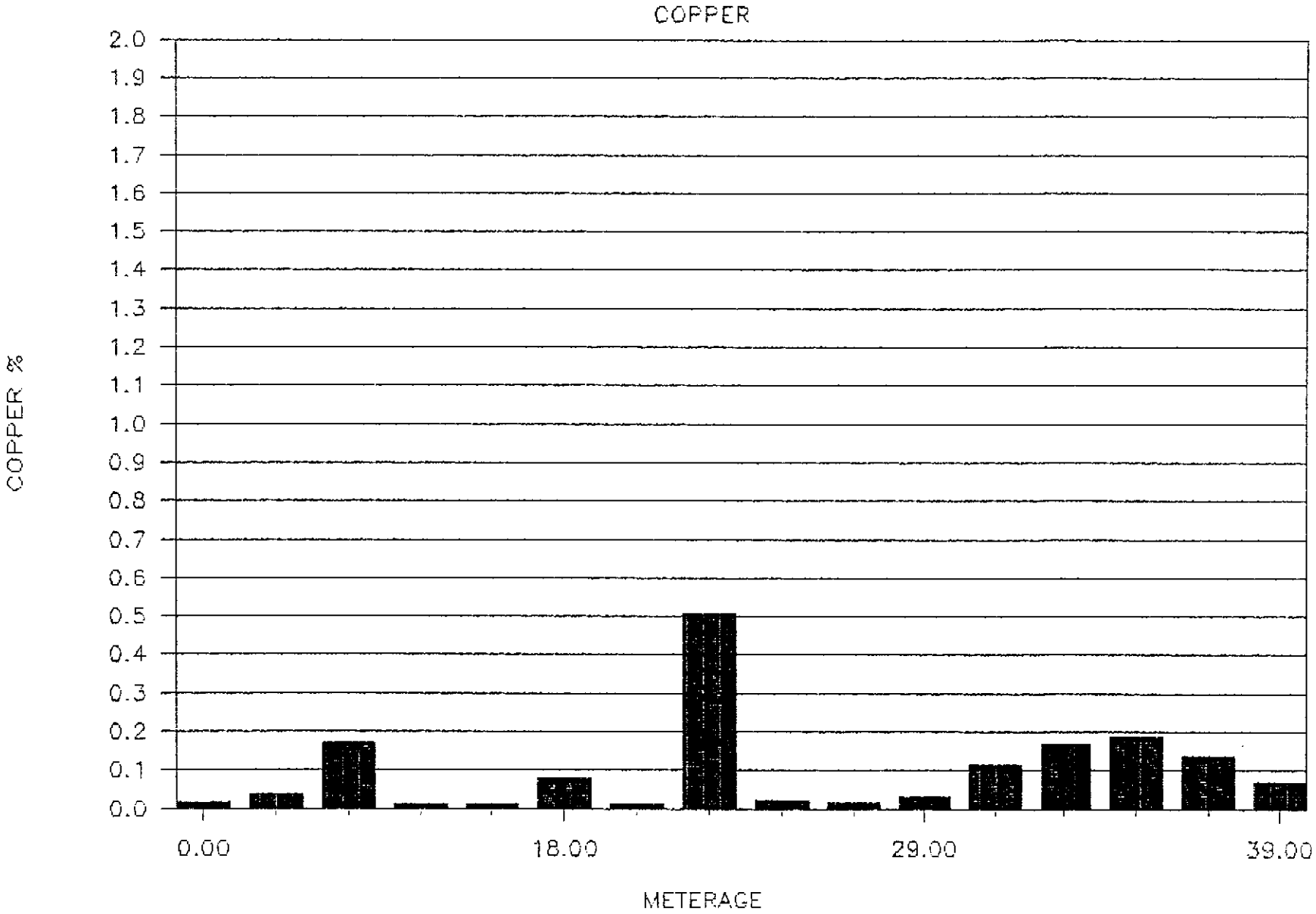
MINERALIZATION (%)

PY	-	Pyrite
CP	-	Chalcopyrite
SP	-	Tennantite
CC	-	Chalcocite
NC	-	Native copper
M1	-	Bornite
M2	-	Ore mineral 2

GEOCHEMISTRY

Au	-	Gold assay in ppb
Au oz	-	Gold assay in ounces per ton
Ag	-	Silver assay in ppm
Ag oz	-	Silver assay in ounces per ton
Cu	-	Copper assay in ppm
Zn	-	Zinc assay in ppm
Fe%	-	Iron assay in percent
As	-	Arsenic assay in ppm
Mn	-	Manganese assay in ppm

K89-1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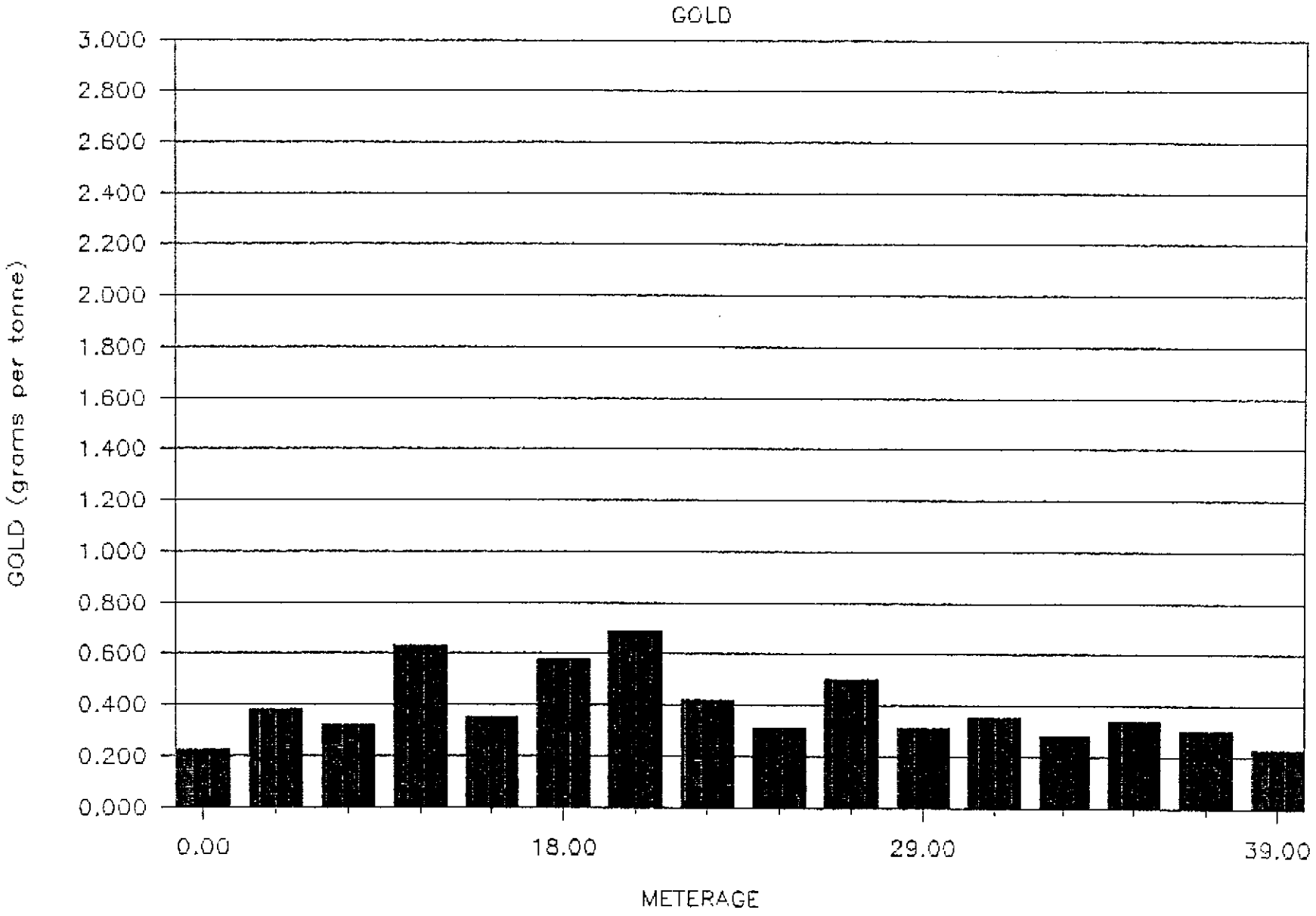
1.8
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
COPPER %
0.00
18.00
29.00
39.00
METERAGE

K89-1


GOLD
3.000
2.800
2.600
2.400
2.200
2.000
1.800
1.600
1.400
1.200
1.000
0.800
0.600
0.400
0.200
0.000
GOLD (grams per tonne)
0.00
18.00
29.00
39.00
METERAGE

D.D. HOLE No. K89-1 PAGE 1 OF 3

Location	P-zone north-east	Collar Northing	10561.51 m
Date Started	July 18, 1989	Easting	9660.27 m
Date Completed	July 19,1989	Elevation	1339.11 m
Core Recovery	33.26 %	Azimuth	090 Dip -58 deg
Drilled By	J.T.Thomas Drilling	Length	46.33 m
Logged By	S.G. Casselman	Hor. Proj.	24.55 m
Objective	Test IP anomaly north-east of P-zone	Vert. Proj.	39.29 m
		Core Size	BDBGM

METRES From	METRES To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au ppb	Ag ppm	Cu ppm	Cu %
0.00	6.10	OVERBURDEN									
6.10	26.00	SERICITE SCHIST									
		- intensely weathered, limonitic schist	13151	6.10	9.00	2.90	13.44	220	0.6	151	
		- quite fractured along foliation at	13152	9.00	12.00	3.00	15.67	380	0.7	378	
		35 deg to core axis (C.A.), average piece	13153	12.00	15.00	3.00	25.00	320	0.6	1707	
		3 to 5 cm long	13154	15.00	18.00	3.00	32.67	630	0.2	100	
		- overall grey to ochre-brown color, due	13155	18.00	21.00	3.00	5.67	350	0.1	127	
		mainly to weathering of sericite and	13156	21.00	24.00	3.00	24.33	580	1.1	791	
		pyrite	13157	24.00	26.00	2.00	29.00	690	0.1	100	
		- abundant limonitic clay, very soft rock									
		- 1 to 3% pyrite occurs as fine dissem-inations and 1 to 3 mm wispy veinlets									
		- minor stockwork silicification, generally containing most of the pyrite and traces of chalcopyrite mineralization									
		- stockwork silicification is similar to that intersected in in holes K88-1,11,16, 18,21, and 22, but contains less copper sulphide minerals									
		- only visible copper mineralization is faint specks of blue-grey sulphides, generally within silica replacement zones and quartz veins (sulphide is either chalcocite or tetrahedrite-tennantite)									
		- intense shearing and broken core indicate proximity to B-zone fault									
		- S.G. 9.0m = 2.46 g/cc									
		21.0m = 2.41 g/cc									
		average S.G.= 2.43 g/cc									
26.00	26.70	SHEARED ANDESITE DYKE									
		- well foliated and intensely altered medium to dark green	13158	26.00	26.70	0.70	65.71	420	0.7	5061	
		- sheared and moderately altered andesite dyke									

METRES From	METRES To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au ppb	Ag ppm	Cu ppm	Cu %
		- intensely chloritized with 2% disseminated pyrite and 5% limonitic clay - limonitic weathering on fractures - contacts at 30 deg to C.A. - minor quartz veining									
26.70	33.00	SERICITE SCHIST - as in section 6.10 to 26.00 m - intensely weathered, sheared and fractured, average piece 5 to 10 cm long - slightly more competent, less weathered than in 6.10 to 26.00 m - 2 to 3 % finely disseminated pyrite - 5% stockwork silicification - traces of blue-grey sulphide (chalcocite, tetrahedrite-tennantite ?) are only visible copper mineralization - foliation at 40 deg to C.A. - S.G. 29.0m - 2.44 g/cc	13159 13160 13161	26.70 29.00 31.00	29.00 31.00 33.00	2.30 2.00 2.00	27.83 26.00 25.50	310 500 310	0.1 0.4 0.5	202 141 295	
33.00	33.40	SHEARED ANDESITE DYKE - as in section 26.0 to 26.7 m - strong shear fabric at 45 deg to C.A. - contacts at 40 deg to C.A. - intensely chloritized, dark green color and very soft - quartz veining and stockwork silicification - 5% disseminated pyrite - possibly a trace of chalcopyrite	13162	33.00	33.40	0.40	62.50	350	0.7	1128	
33.40	46.33	SERICITE SCHIST - similar to above sections 6.10 to 26.0 and 26.7 to 33.0 m but less fractured, less weathered, and less altered - relic volcanic lapilli fragments visible (up to 2 cm long) - traces of epidote and patches of tan alteration observed in section (similar alteration to tan volcanic unit) - 3 to 10 % pyrite as fine disseminations and up to 0.5 cm wispy veins - possibly up to 0.5% chalcocite or tetrahedrite-tennantite mineralization which occurs as blue-grey to sooty black, very fine-grained sulphide generally intermixed with or coating pyrite	13163 13164 13165 13166	33.40 36.00 39.00 42.00	36.00 39.00 42.00 46.33	2.60 3.00 3.00 4.33	30.38 78.67 68.67 39.72	280 340 300 230	0.4 0.2 0.3 0.1	1661 1878 1366 701	

METRES From	METRES To	DESCRIPTION	SAMPLING Spl.#	SAMPLING From	SAMPLING To	SAMPLING m	Rec %	Au ppb	Ag ppm	Cu ppm	Cu %
		- limonitic weathering continues to bottom of hole along fracture planes - from 37.3 to 46.33 m (EOH) rock becomes more intensely fractured at an angle of 45 deg to C.A., parallel to foliation - also, abundance of blue-grey sulphide increases to 0.5 to 1% - S.G. 39.0m - 2.66 g/cc 44.8m - 2.62 g/cc average S.G. = 2.64 g/cc HOLE SHUT DOWN AT 46.33 m CORE BARREL BROKE AT LOCKING COUPLING									

1989 KERR EXPLORATION PROGRAM
Western Canadian Mining Corporation - 17 Nov 1989 07:21:59 Page 1

Ref	North	East	RL	Azim	Dip	Length	Category	Remarks
891	10561.51	9660.27	1339.11	090	58	46.33	P-zone Test IP anomaly	east of P-zone, hole lost,broken rod

FROM	Dist	WDTH	RQ	ROCKNAME	UNT	TXT	SI	QV	SE	CY	CH	EP	CB	GM	A1	A2	IN	PY	CP	SP	CC	NC	M1	M2
F																								
0	6.1	6.1		OVERBURDEN																				
6.1	9	2.9	32	SRCT SCST		SHRD	15		60	15							95	3			.1			
9	12	3	43	SRCT SCST		SHRD	30		30	20							98	1			.1			
12	15	3	14	SRCT SCST		SHRD	8		30	30							98	1						
15	18	3	14	SRCT SCST		SHRD	1		50	25	3						98	.5						
18	21	3	11	SRCT SCST		SHRD	3		50	10							98	1			.1			
21	24	3	29	SRCT SCST		SHRD	3		40	8	5						98	3			.5			
24	26	2	38	SRCT SCST		SHRD	2		40	10	5						98	1			.1			
26	26.7	0.7	48	ANDS DYKE		SHRD	2		15	5	40						95	2			.5			
26.7	29	2.3	14	SRCT SCST		SHRD	8		40	40							98	2						
29	31	2	29	SRCT SCST		SHRD	5		40	25							90	1						
31	33	2	27	SRCT SCST		SHRD	5		45	15	2						90	2			.2			
33	33.4	0.4	37	ANDS DYKE		SHRD	1	10	10	8	50						90	5			.2			
33.4	36	2.6	39	SRCT SCST		SHRD	3		50	10	2	1					90	3			.5			
36	39	3	40	SRCT SCST		SHRD	1		50	10	1	2					90	3			.5			
39	42	3	36	SRCT SCST		SHRD	5		65	2							90	7			.8			
42	46.33	4.33	36	SRCT SCST		SHRD	3	2	70	3							95	5			.8			

VANGEOCHEM LAB LIMITED

1988 Triumph Street, Vancouver, B.C. V5L 1K5
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Pd, Pt, Sn, Sr and W.

ANALYST:

REPORT #: 890363 PA | WESTERN CANADIAN | Proj: 9101 | Date In: 89/07/24 | Date Out:89/07/28 | Att: |

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
13151	0.6	0.34	12	504	<3	0.01	0.1	2	62	151	2.02	0.06	0.04	19	23	0.02	4	0.08	20	<2	2	19	<5	<3	24
13152	0.7	0.46	21	308	<3	0.03	1.1	2	59	378	4.23	0.14	0.17	21	54	0.01	36	0.27	24	<2	3	37	<5	<3	46
13153	0.6	0.51	23	73	<3	0.02	0.8	4	29	1707	4.72	0.15	0.29	33	67	0.01	9	0.15	26	<2	3	20	<5	<3	64
13154	0.2	0.78	44	705	<3	0.06	0.1	2	31	100	3.10	0.11	0.72	30	131	0.01	14	0.44	25	<2	3	81	<5	<3	65
13155	0.1	0.53	20	930	<3	0.02	0.1	2	70	127	2.83	0.10	0.16	20	92	0.01	5	0.27	21	<2	2	65	<5	<3	27
13156	1.1	0.49	66	142	<3	0.04	0.1	5	50	791	3.36	0.11	0.23	27	106	0.01	32	0.32	34	<2	2	29	<5	<3	31
13157	0.1	0.35	43	781	<3	0.01	0.1	1	41	100	2.73	0.09	0.13	19	126	0.02	30	0.35	23	<2	2	56	<5	<3	22
13158	0.7	2.54	115	22	<3	0.11	0.8	17	102	5061	5.14	0.18	1.43	126	128	0.01	24	0.51	39	<2	4	26	<5	<3	146
13159	0.1	0.32	45	>1000	<3	0.01	0.1	2	40	202	3.52	0.12	0.05	11	103	0.02	27	0.71	26	<2	2	56	<5	<3	16
13160	0.4	0.42	32	560	<3	0.02	0.1	1	57	141	2.78	0.09	0.21	18	102	0.01	6	0.35	33	<2	2	34	<5	<3	29
13161	0.5	0.68	48	158	<3	0.03	0.3	4	94	295	3.39	0.11	0.45	67	80	0.01	45	0.32	49	<2	2	22	<5	<3	39
13162	0.7	2.46	126	9	3	0.07	2.2	6	206	1128	8.74	0.30	1.99	289	61	0.01	37	0.63	77	<2	6	49	<5	<3	162
13163	0.4	1.14	52	14	<3	0.09	1.1	12	74	1661	4.59	0.16	1.01	112	51	0.01	18	0.35	51	<2	3	21	<5	<3	107
13164	0.2	0.45	52	10	<3	0.05	0.5	13	24	1878	4.23	0.14	0.27	28	32	0.01	15	0.30	39	<2	3	28	<5	<3	50
13165	0.3	0.33	22	11	<3	0.04	0.3	10	44	1366	3.48	0.12	0.13	23	12	0.01	8	0.12	29	<2	3	11	<5	<3	33
13166	0.1	0.22	29	6	<3	0.01	1.1	18	35	701	5.04	0.16	0.02	16	10	0.01	21	0.12	30	<2	4	8	<5	<3	40

VGC VANGEOCHEM LAB LIMITED

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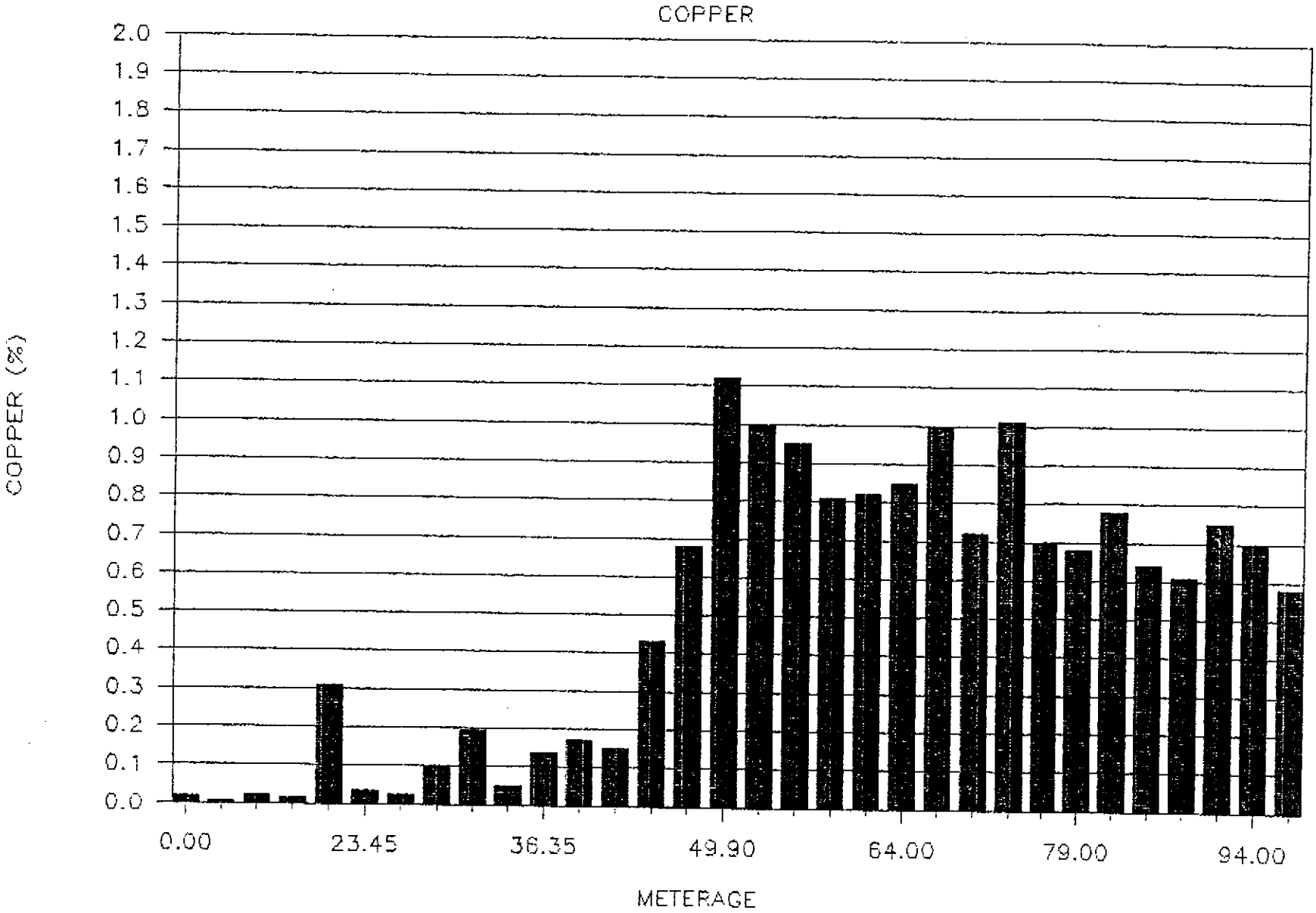
BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 890363 GA JOB NUMBER: 890363 **WESTERN CANADIAN MINING CORP.**

SAMPLE #	Au ppb
13151	220
13152	380
13153	320
13154	630
13155	350
13156	580
13157	690
13158	420
13159	310
13160	500
13161	310
13162	350
13163	280
13164	340
13165	300
13166	230

DETECTION LIMIT 5
nd = none detected -- = not analysed is = insufficient sample

K89-2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1.9
1.8
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
COPPER (%)
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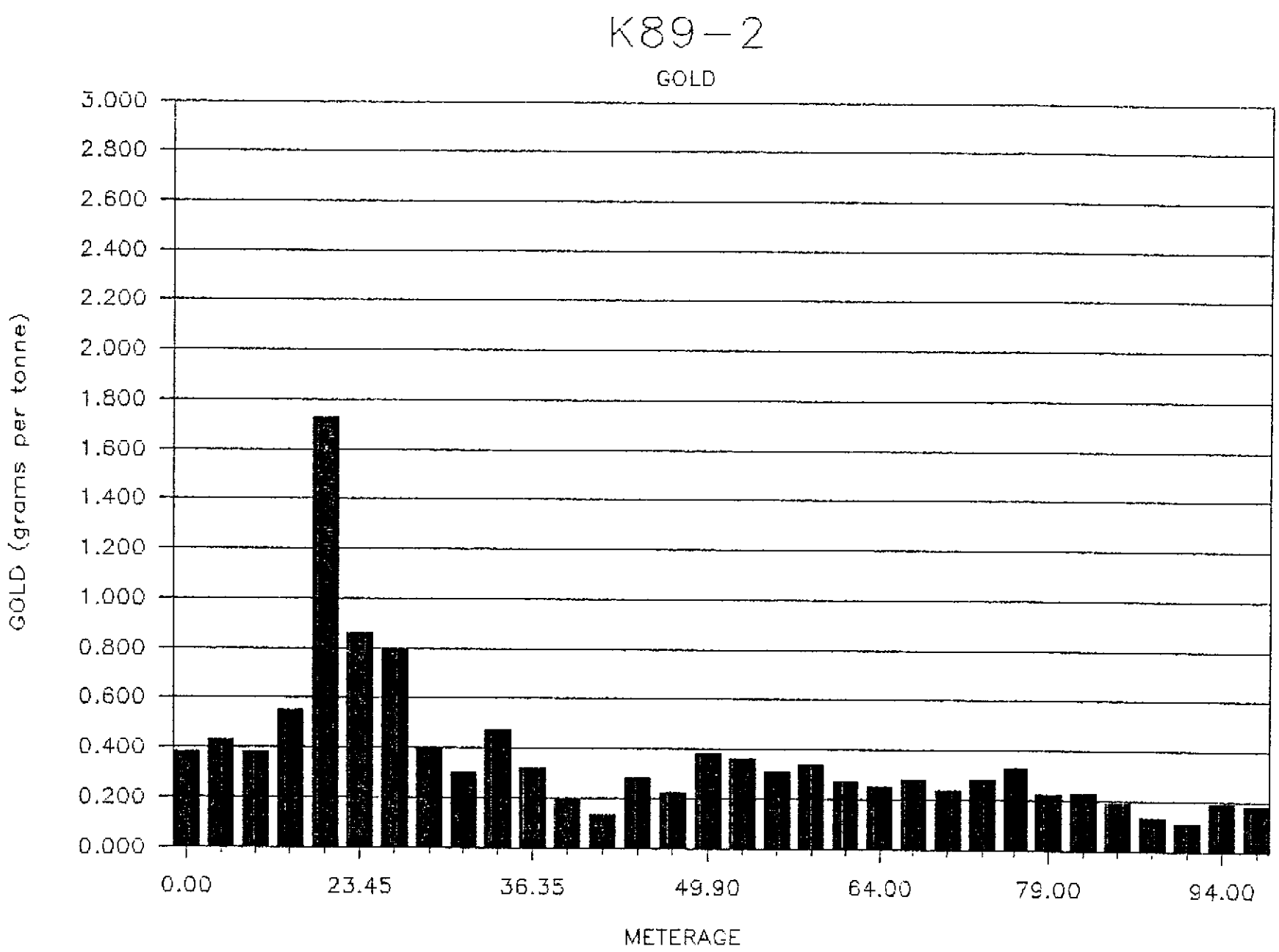
23.45
36.35
49.90
64.00
79.00
94.00
METERAGE


K89-2
GOLD
GOLD (grams per tonne)
3.000
2.800
2.600
2.400
2.200
2.000
1.800
1.600
1.400
1.200
1.000
0.800
0.600
0.400
0.200
0.000
0.00
23.45
36.35
49.90
64.00
79.00
94.00
METERAGE

D.D. HOLE No. K-89-2

Location	P-zone north-east (K89-1)	Collar Northing	10561.51 m
Date Started	July 19, 1989	Easting	9660.27 m
Date Completed	July 20, 1989	Elevation	1339.11 m
Core Recovery	66.08 %	Azimuth	088 Dip -60 deg
Drilled By	J.T.Thomas Drilling	Length	101.19 m
Logged By	S.G. Casselman	Hor. Proj.	50.60 m
Objective	Second attempt to intersect IP anomaly NE of P-zone	Vert. Proj.	87.63 m
		Core Size	BGBDM (thin-wall BQ)

METRES From	METRES To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au ppb	Ag ppm	Cu ppm	Cu %
0.00	16.50	CASING									
16.50	20.50	SERICITE SCHIST (Rubble Zone) - intensely weathered, limonitic, broken interval, average piece 1 cm long - rock is very soft, sericitic, with abundant clay minerals - no sulphides observed - all weathered out - probably from within B-zone fault - foliation at 35 deg to C.A. - S.G. at 18.0 m = 2.47 g/cc	13167	16.50	18.50	2.00	17.00	380	0.8	167	
			13168	18.50	20.50	2.00	18.50	430	0.5	53	
20.50	20.75	SHEARED ANDESITE DYKE - sheared and chloritized with abundant sericite and 10% vuggy white quartz - contacts at 45 deg to C.A., are somewhat gradational, but distinct	13169	20.50	20.75	0.25	96.00	380	0.4	213	
20.75	23.45	SERICITE SCHIST (Rubble Zone) - same as section 16.50 to 20.50 m - fractured and weathered sericitic schist - average piece 5 to 10 cm long - slightly more siliceous than above schist - foliation at 45 deg to C.A. - weathering is fairly intense, rock is fairly soft	13170	20.75	23.45	2.70	26.00	550	0.9	142	
23.45	26.52	SHEARED ANDESITE DYKE - as in dyke at 20.5 to 20.75 m - intensely chloritized and sericitized with vuggy white quartz - foliated at 35 deg to C.A.	13171	23.45	26.52	3.07	9.00	1730	0.5	3076	

METRES From	METRES To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au ppb	Ag ppm	Cu ppm	Cu %
		- sharp contacts at 50 deg to C.A. - S.G. at 26.5 m = 2.54 g/cc									
26.52	35.66	QUARTZ - SERICITE SCHIST (Rubble Zone) - intensely fractured, average piece 1 cm long - sericitic gouge with quartz chips and fragments - abundant silica (10 to 30 %) and sericite (50 to 70 %) - core material from B-zone, rubble zone - no visible sulphides in sericite, only in quartz (up to 2 % pyrite)	13172 13173 13174	26.52 29.50 32.50	29.50 32.50 35.66	2.98 3.00 3.16	5.00 7.00 18.00	860 800 400	0.4 0.4 0.4	344 222 989	
35.66	36.35	LAPILLI TUFF (ANDESITIC ?) - gradational but distinct upper contact at 40 deg to C.A. - noticable lapilli fragments and definite volcanic texture - abundant (20 %) chloritization and sericitization (35 %) - 10 % silicification and vuggy quartz veining - vuggy, cloudy, grey - white quartz generally contains pyrite, which in some places is weathered out - 3 % pyrite occurs as fine to medium grained, euhedral disseminations and 1 mm to 3 mm coarse stringers - no evidence of copper sulphide mineralization - lower contact at 40 deg to C.A.	13175	35.66	36.35	0.69	112.00	300	0.5	1930	
36.35	49.90	SERICITE SCHIST - much more competent than previous sections, average piece 10 to 15 cm long - foliation at 50 deg to C.A. - upper contact is gradational between sericite schist and lapilli tuff - schist is probably more intensely altered tuff material, however its appearance is distinct from tuff - composed of up to 80 % sericite and only up to 1 % chlorite - top 1.5 m contains 5 % limonitic clay on fracture surfaces	13176 13177 13178 13179 13180	36.35 39.00 42.00 45.00 48.00	39.00 42.00 45.00 48.00 49.9	2.65 3.00 3.00 3.00 1.90	66.00 87.00 86.00 92.00 62.00	470 320 200 130 280	0.1 0.1 0.1 0.3 3.3	501 1351 1703 1482 3928	0.43

METRES From	METRES To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au ppb	Ag ppm	Cu ppm	Cu %
		- contains 2 % pyrite as fine-grained, euhedral disseminations and 1 to 3 mm veinlets parallel to foliation - faint traces of blue-grey sulphide towards the bottom of the section - possibly chalcocite ? - core is intensely fractured between 42.7 to 43.5 m - 2 to 5 cm chips 45.0 to 45.5 m - .5 cm chips and gouge 47.5 to 49.9 m - 1 to 5 cm chips of core and scattered gouge - amount of silicification increases towards the bottom of the section to 8 % - generally blue-grey sulphide occurs in silicified zones - lower contact with lapilli tuff is gradational and is difficult to distinguish - contact was choosen at the end of the fractured zone ie. possibly the footwall of the B-zone fault - below the contact, relic lapilli tuff textures are noticable and alteration and color change is noticable - schist is possibly a more intensely fractured and altered equivalent of the lapilli tuff, which occurs above and below - S.G. at 38.8 m = 2.82 g/cc									
49.90	101.19	LAPILLI TUFF (ANDESITIC ?) - competency of rock increases below 49.9 m, average piece is 10 to 20 cm long - upper contact is gradational and difficult to distinguish - alteration grades from intensely sericitized and weakly chloritized to moderately sericitized and moderately chloritized - with the change in alteration it is possible to distinguish relic volcanic lapilli texture - tuff becomes more silicified with 5 to 10 % vuggy, cloudy quartz-sulphide veins (ie. stockwork silica sulphide zone)	13181	49.90	52.00	2.10	72.00	220	1.1	6013	0.68
			13182	52.00	55.00	3.00	87.00	380	1.0	10037	1.12
			13183	55.00	58.00	3.00	83.00	360	0.9	9220	1.00
			13184	58.00	61.00	3.00	81.00	310	0.9	8836	0.95
			13185	61.00	64.00	3.00	89.00	340	0.8	7400	0.81
			13186	64.00	67.00	3.00	103.00	270	0.8	7422	0.82
			13187	67.00	70.00	3.00	79.00	250	0.7	7831	0.85
			13188	70.00	73.00	3.00	43.00	280	1.9	9460	1.00
			13189	73.00	76.00	3.00	29.00	240	1.0	7855	0.72
			13190	76.00	79.00	3.00	94.00	280	1.3	9240	1.01
			13191	79.00	82.00	3.00	83.00	330	0.7	6015	0.70
			13192	82.00	85.00	3.00	94.00	220	0.7	5657	0.68
			13193	85.00	88.00	3.00	89.00	230	1.3	6648	0.78

METRES From	METRES To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au ppb	Ag ppm	Cu ppm	Cu %
		- contains up to 25 % chlorite towards the bottom of the hole, with an increase in pyrite content to 5 %, and an increase in blue-grey sulphide mineralization to to .5 to .8 %	13194	88.00	91.00	3.00	90.00	190	1.2	5743	0.64
			13195	91.00	94.00	3.00	81.00	130	1.2	5198	0.61
			13196	94.00	97.00	3.00	97.00	110	1.3	6382	0.75
			13197	97.00	99.00	2.00	89.00	190	1.0	6034	0.70
			13198	99.00	101.19	2.19	68.00	180	1.3	4873	0.58
		- begin to get patches of beige to tan fine-grained wisps - similar appearance to the tan volcanic unit observed in the footwall of the B-zone fault further to the south at higher elevations									
		- specks of dendritic native copper on fracture surfaces at bottom of hole									
		- stockwork silicification appears as cloudy, grey to white, vuggy veins, with up to 10 % pyrite, up to 1 % blue-grey sulphide (chalcocite ?) and occassional, but rare chalcopyrite									
		- nature of stockwork silicification is similar to that observed in high grade sections of holes K88-1,11,16,17,18,21,22 only here it is not as pervasive and host rocks are less sericitized, more chloritized, and contain less copper sulphide mineralization									
		- a few chalcopyrite-pyrite veins observed towards the bottom of the hole, many of which contain bornite (from 94.0 m to EOH)									
		- numerous specks of bornite observed in last 7.0 m of hole									
		- S.G. at 50.50 m = 2.84 g/cc 57.95 m = 2.95 68.15 m = 2.86 77.90 m = 3.00 88.00 m = 3.00 98.00 m = 2.94 101.19 m = 3.21 average S.G. = 2.97 g/cc									
	EOH	HOLE SHUT DOWN AT 101.19 m RODS STUCK - HAD TO BLAST ABOVE CORE TUBE									

1989 KERR EXPLORATION PROGRAM
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Ref	North	East	RL	Azim	Dip	Length	Category	Remarks
892	10561.51	9660.27	1339.11	088	60	101.19	P-zone	Second attempt to penetrate IP anomaly NE of P-zone

FROM	Dist	WDTH	RQ	ROCKNAME	UNT	TXT	SI	QV	SE	CY	CH	EP	CB	GM	A1	A2	IN	PY	CP	SP	CC	NC	M1	M2
F																								
0.0	16.5		5	CASING																				
16.5	18.5	2	18	SRCT SCST		SHRD		1	75	15							100							
18.5	20.5	2	18	SRCT SCST		SHRD		1	70	20							100							
20.5	20.75	0.25	47	ANDS DYKE		FG		10	25	10	40						90	1						
20.75	23.45	2.7	24	SRCT SCST		SHRD	3	3	75	15							100	.2						
23.45	26.52	3.07	28	ANDS DYKE		FG	1	5	20	5	50						95	2						
26.52	29.5	2.98	8	SRCT SCST		SHRD	10	2	70	15							100	.2						
29.5	32.5	3	19	QTZ SRCT SCST		SHRD	30		50	10							100	1						
32.5	35.66	3.16	13	QTZ SRCT SCST		SHRD	30	5	50	10							100	1						
35.66	36.35	0.69	35	QTZ SRCT SCST		FMG	5	5	35	3	20						85	3						
36.35	39	2.65	37	ANDS LPLL TUFF		SHRD	5	2	70	5	1						95	2						
39	42	3	31	SRCT SCST		SHRD	1	1	75	3							90	2						
42	45	3	31	SRCT SCST		SHRD	3		75	5							95	2			.1			
45	48	3	14	SRCT SCST		SHRD	5	1	80	2							95	2			.1			
48	49.9	1.9	11	SRCT SCST		SHRD	8	2	75	2							95	2			.1			
49.9	52	2.1	33	LPLL TUFF		FMG	5	3	45	1	2						65	3			.5			
52	55	3	22	LPLL TUFF		FMG	8	3	40	1	5						65	3			.1			
55	58	3	19	LPLL TUFF		FMG	8	5	35	1	5						65	4			.5			
58	61	3	21	LPLL TUFF		FMG	12	5	30	.5	5						60	3			.3			
61	64	3	31	LPLL TUFF		FMG	15	5	30	2	5						60	5			.8			
64	67	3	30	LPLL TUFF		FMG	10	5	30	2	7						60	3			.5			
67	70	3	33	LPLL TUFF		FMG	8	10	30	.5	10						60	5			.8			
70	73	3	28	LPLL TUFF		FMG	15	20	25	.5	10						75	4	.2		1			
73	76	3	36	LPLL TUFF		FMG	10	15	30		10						70	5			.5			
76	79	3	31	LPLL TUFF		FMG	12	10	35	2	10						75	5	.5		.5			
79	82	3	35	LPLL TUFF		FMG	12	10	35	1	12						75	5			.5			
82	85	3	38	LPLL TUFF		FMG	10	10	35		8						70	5						
85	88	3	36	LPLL TUFF		FMG	8	10	30		15						70	6			.8	.1		
88	91	3	41	LPLL TUFF		FMG	8	15	30	2	20						75	5			.8			
91	94	3	42	LPLL TUFF		FMG	7	10	25	1	25						75	4			.8			
94	97	3	41	LPLL TUFF		FMG	7	10	25	3	25						75	6	.2		.3			
97	99	2	45	LPLL TUFF		FMG	7	15	25	3	30						75	9	.5		.2			
99	101.19	2.19	44	LPLL TUFF		FMG	7	5	25	3	20						70	9	1		.1			

VANGEOCHEM LAB LIMITED

1988 Triumph Street, Vancouver, B.C. V5L 1K5
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Pd, Pt, Sn, Sr and W.

ANALYST:

REPORT #: 890363 PA | WESTERN CANADIAN | Proj: 9101 | Date In: 89/07/24 | Date Out:89/07/28 | Att: |

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sn ppm	Sr ppm	U ppm	W ppm	Zn ppm
13167	0.8	0.77	19	808	<3	0.02	0.1	2	34	167	2.73	0.09	0.66	31	63	0.01	8	0.14	23	<2	3	50	<5	<3	55
13168	0.5	0.88	45	816	<3	0.03	0.1	2	77	53	2.33	0.08	0.58	37	74	0.01	71	0.24	24	<2	2	51	<5	<3	55
13169	0.4	3.96	30	>1000	<3	0.09	1.1	5	72	213	4.09	0.15	1.32	100	44	0.01	17	0.45	32	<2	3	111	<5	<3	166
13170	0.9	0.85	41	913	<3	0.05	0.1	3	81	142	3.16	0.11	0.46	41	61	0.01	8	0.30	29	<2	2	73	<5	<3	55
13171	0.5	1.75	131	26	<3	0.13	0.6	12	60	3076	4.63	0.17	1.17	96	36	0.01	18	0.45	37	<2	4	26	<5	<3	102
13172	0.4	0.55	12	601	<3	0.01	0.3	3	82	344	2.24	0.07	0.18	36	51	0.01	106	0.06	16	<2	2	36	<5	<3	25
13173	0.4	0.35	11	676	<3	0.01	0.1	2	97	222	2.73	0.09	0.05	18	47	0.02	7	0.15	17	<2	2	41	<5	<3	15
13174	0.4	0.49	27	154	<3	0.06	0.1	5	71	989	2.60	0.09	0.26	47	88	0.01	18	0.28	67	<2	2	18	<5	<3	35
13175	0.5	1.42	63	6	<3	0.10	2.5	17	108	1930	9.06	0.31	1.18	159	37	0.01	49	0.18	68	<2	6	8	<5	<3	132
13176	0.1	0.38	22	20	<3	0.04	0.1	7	48	501	2.59	0.09	0.13	23	25	0.01	5	0.15	54	<2	2	27	<5	<3	32
13177	0.1	0.45	24	9	<3	0.13	0.6	16	21	1351	4.21	0.15	0.25	35	18	0.01	7	0.18	30	<2	3	21	<5	<3	62
13178	0.1	0.32	30	9	<3	0.06	0.5	13	24	1703	4.10	0.14	0.05	15	19	0.01	20	0.15	36	<2	3	15	<5	<3	26
13179	0.3	0.15	45	8	<3	0.01	1.1	16	48	1482	5.09	0.16	0.01	6	10	0.01	8	0.01	48	<2	3	4	<5	<3	47
13180	3.3	0.23	448	4	<3	0.01	1.6	22	80	3928	6.31	0.20	0.02	18	37	0.01	30	0.02	152	22	4	8	<5	<3	649
13181	1.1	0.62	159	4	<3	0.13	0.9	22	54	6013	6.18	0.22	0.49	48	29	0.01	37	0.22	97	<2	5	13	<5	<3	150
13182	1.0	1.36	64	4	3	0.16	2.1	30	78	10037	7.53	0.26	1.27	138	33	0.01	87	0.32	65	<2	6	11	<5	<3	133
13183	0.9	1.43	56	6	3	0.19	2.2	28	69	9220	6.51	0.24	1.48	145	40	0.01	59	0.20	43	<2	5	12	<5	<3	133
13184	0.9	0.50	46	5	<3	0.17	1.8	33	41	8836	7.05	0.25	0.34	45	75	0.01	59	0.17	71	<2	5	7	<5	<3	108
13185	0.8	0.72	42	5	<3	0.18	2.3	38	41	7400	6.90	0.25	0.67	95	50	0.01	68	0.18	67	<2	5	10	<5	<3	210
13186	0.8	1.71	60	5	3	0.18	1.8	30	85	7422	7.07	0.25	1.91	273	22	0.01	61	0.18	45	<2	5	12	<5	<3	170
13187	0.7	1.41	55	5	<3	0.17	2.1	34	68	7831	6.67	0.24	1.68	228	28	0.01	58	0.17	72	<2	5	20	<5	<3	267
13188	1.9	0.70	47	4	3	0.20	2.1	33	49	9460	7.52	0.27	0.62	110	33	0.01	52	0.19	88	<2	5	22	<5	<3	139
13189	1.0	1.17	44	9	3	0.18	1.7	48	62	7855	6.45	0.23	1.19	165	33	0.01	82	0.17	42	<2	5	12	<5	<3	117
13190	1.3	1.12	29	6	<3	0.20	0.5	39	62	9240	5.98	0.06	1.19	234	41	0.01	61	0.15	39	<2	3	16	<5	<3	82
13191	0.7	1.48	32	5	<3	0.19	0.7	37	75	6015	6.87	0.01	1.66	267	44	0.01	65	0.17	50	<2	3	20	<5	<3	107
13192	0.7	1.38	31	4	<3	0.19	1.1	38	67	5657	6.89	0.01	1.58	312	37	0.01	61	0.14	83	<2	3	12	<5	<3	178
13193	1.3	0.83	59	4	<3	0.18	1.7	33	36	6648	8.32	0.01	0.81	107	44	0.01	71	0.16	134	<2	4	26	<5	<3	164
13194	1.2	1.53	34	4	3	0.22	1.2	32	66	5743	7.42	0.06	1.84	405	60	0.01	60	0.15	41	<2	4	18	<5	<3	91
13195	1.2	1.58	36	5	<3	0.23	1.2	37	70	5198	7.76	0.01	1.88	325	34	0.01	66	0.17	40	<2	3	14	<5	<3	96
13196	1.3	1.60	33	7	3	0.24	2.1	39	80	6382	7.75	0.25	1.90	360	<1	0.01	69	0.16	40	<2	3	14	<5	<3	108
13197	1.0	1.82	39	5	5	0.32	1.9	28	100	6034	8.48	0.27	2.21	578	39	0.01	57	0.13	41	<2	3	15	<5	<3	116
13198	1.3	1.38	34	6	3	0.38	1.5	31	63	4873	7.43	0.25	1.67	473	39	0.01	76	0.18	46	<2	3	17	<5	<3	146
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum AuFA = Fire assay/AAS

VGC VANGEOCHEM LAB LIMITED

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BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 890363 GA JOB NUMBER: 890363 **WESTERN CANADIAN MINING CORP.**

SAMPLE #	Au ppb
13167	380
13168	430
13169	380
13170	550
13171	1730
13172	860
13173	800
13174	400
13175	300
13176	470
13177	320
13178	200
13179	130
13180	280
13181	220
13182	380
13183	360
13184	310
13185	340
13186	270
13187	250
13188	280
13189	240
13190	280
13191	330
13192	220
13193	230
13194	190
13195	130
13196	110
13197	190
13198	180

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REPORT NUMBER: 890363 AA JOB NUMBER: 890363 **WESTERN CANADIAN MINING CORP.** PAGE 1 OF 1

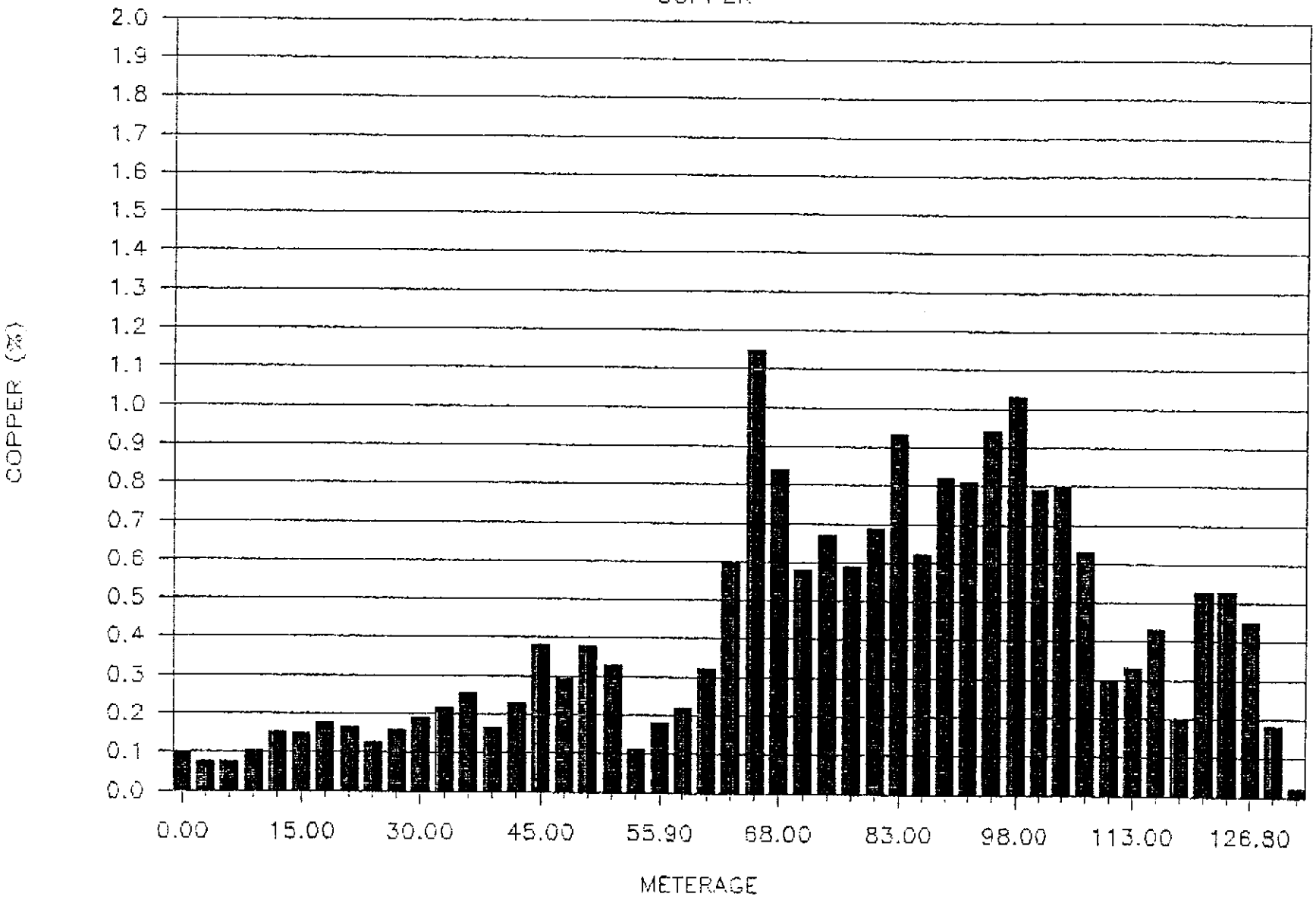
SAMPLE #	Cu %
13180	.43
13181	.68
13182	1.12
13183	1.00
13184	.95
13185	.81
13186	.82
13187	.85
13188	1.00
13189	.72
13190	1.01
13191	.70
13192	.68
13193	.78
13194	.64
13195	.61
13196	.75
13197	.70
13198	.58

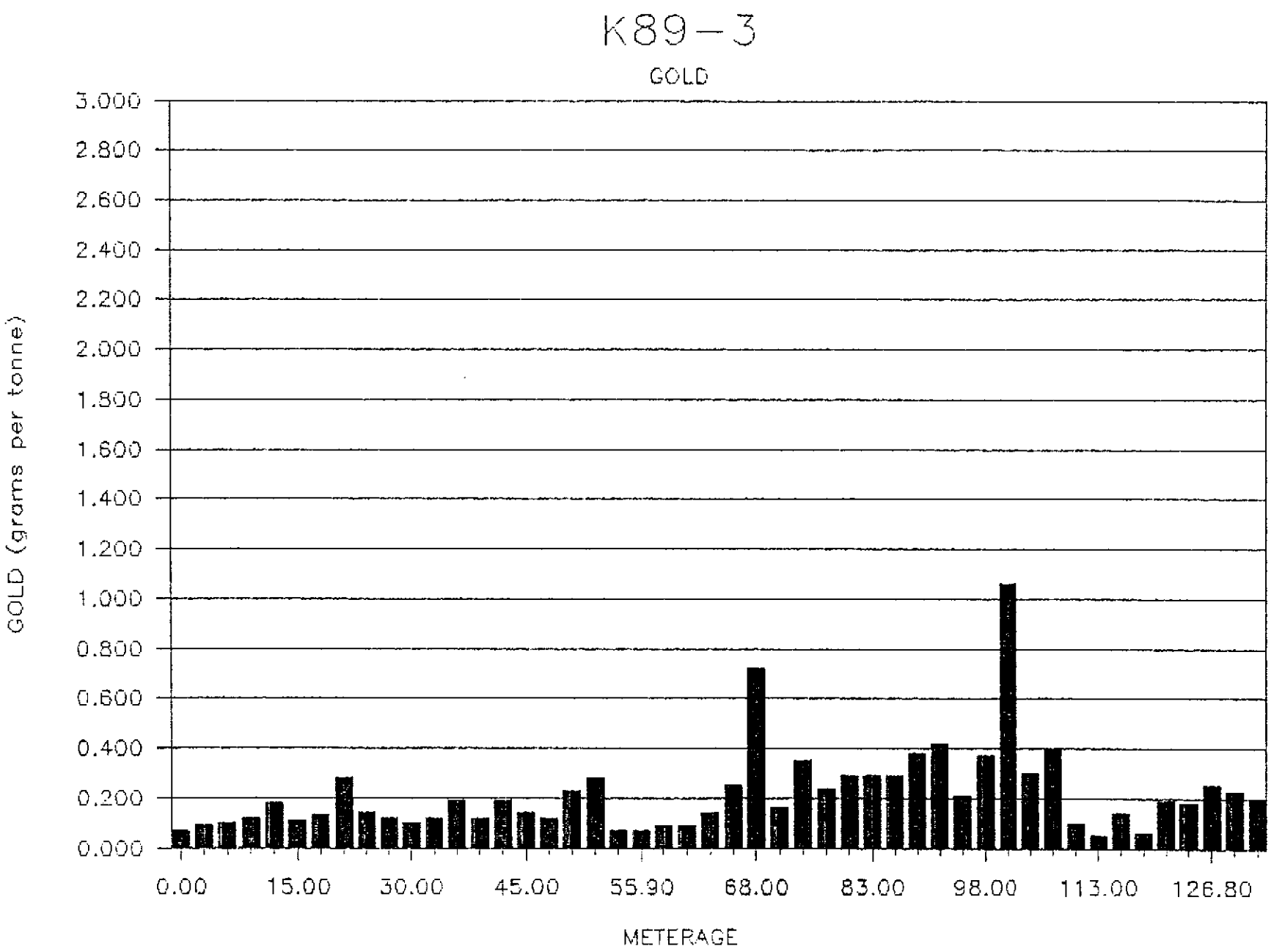
DETECTION LIMIT .01

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

K89-3


COPPER
COPPER (%)
2.0
1.9
1.8
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
0.00
15.00
30.00
45.00
55.90
68.00
83.00
98.00
113.00
126.80
METERAGE


K89-3
GOLD
GOLD (grams per tonne)
3.000
2.800
2.600
2.400
2.200
2.000
1.800
1.600
1.400
1.200
1.000
0.800
0.600
0.400
0.200
0.000
0.00
15.00
30.00
45.00
55.90
68.00
83.00
98.00
113.00
126.80
METERAGE

D.D. HOLE No. K-89-3 PAGE: 1 of 4

Location	P-zone north	Collar Northing	10540.59 m
Date Started	July 22, 1989	Easting	9546.06 m
Date Completed	July 25, 1989	Elevation	1341.17 m
Core Recovery	74.65 %	Azimuth	090 Dip -58 deg
Drilled By	J.T.Thomas Drilling	Length	139.90 m
Logged By	S.G. Casselman	Hor. Proj.	69.95 m
Objective	Test main N-S trending IP anomaly	Vert. Proj.	121.16 m
		Core Size	BDBGM (thin-wall BQ)

METRES From	METRES To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au ppb	Ag ppm	Cu ppm	Cu %
0.00	3.05	OVERBURDEN									
3.03	47.85	DACITE TUFF	13201	3.05	6.00	2.95	53.00	70	0.8	995	
		- light grey - green, with occassional mottled green spots	13202	6.00	9.00	3.00	78.00	90	0.5	737	
			13203	9.00	12.00	3.00	94.00	100	1.0	759	
		- very competent core, average piece 20 to 25 cm long	13204	12.00	15.00	3.00	96.00	120	0.5	1030	
			13205	15.00	18.00	3.00	86.00	180	1.0	1514	
		- relic ash and lappili texture evident	13206	18.00	21.00	3.00	96.00	110	0.5	1473	
		- crystals visible - generally altered to sericite or pyritized	13207	21.00	24.00	3.00	96.00	130	0.5	1780	
			13208	24.00	27.00	3.00	73.00	280	0.5	1647	
		lapilli fragments are altered to a light, lime green colored mineral (ankerite?)	13209	27.00	30.00	3.00	87.00	140	0.2	1275	
			13210	30.00	33.00	3.00	106.00	120	0.5	1579	
		- core is intensely sericitized, which forms weak foliation at 40 deg to C.A.	13211	33.00	36.00	3.00	93.00	100	0.5	1889	
			13212	36.00	39.00	3.00	99.00	120	0.5	2143	
		- occassional sections are more intensely sericitized and foliated (sheared) such as 12.00 to 13.5 m - wavy contorted schist	13213	39.00	42.00	3.00	106.00	190	0.7	2533	
			13214	42.00	45.00	3.00	97.00	120	0.5	1651	
			13215	45.00	47.85	2.85	91.00	190	0.5	2279	
		24.0 to 26.5 m - grades from slightly banded to fractured and well foliated to fractured to slightly sheared									
		-core is moderately silicified throughout section									
		- silicification appears as thin veins paralleling shears, as patches and complete replacement of bands up to 20 cm wide									
		- silica is light grey to cloudy, rarely transparent and generally contains abundant coarse-grained aggregates and thin veins of pyrite (up to 20 % contained pyrite)									
		- no chalcopyrite observed									

METRES From	METRES To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au ppb	Ag ppm	Cu ppm	Cu %
		- from 18.00 m down, occassional specks of blue-grey sulphide observed within pyrite stringers, generally where they are sheared and the pyrite is granular - up to 20 % pyrite as fine disseminations, which appear to selectively replace grains, and as fine veins, which generally have a thin(<1 mm) halo of a green alteration mineral (ankerite, epidote?), which the pyrite in more silicified sections does not have - throughout the section are scattered thin veins and patches of pinkish to white clay minerals - from 27.0 to 40.0 core becomes much less sheared and volcanic textures more obvious, alteration changes to a pale green color of sericite and patchy, mottled pale green mineral - from 40.0 to 47.85 core becomes more sheared and foliated with increasing sericitization as it approaches the fault zone - speck of <u>bornite</u> observed at 11.00 m - chalcopyrite blebs observed in the occassional quartz vein - generally has a coating of purpley-blue irredescent covelite - S.G. at 3.0 m = 3.06 g/cc 13.0 m = 3.04 g/cc 23.0 m = 2.85 g/cc 33.0 m = 2.88 g/cc 43.0 m = 2.80 g/cc average S.G. = 2.93 g/cc									
47.85	51.51	RUBBLE ZONE (SERICITIZED VOLCANICS) - fractured and foliated quartz-sericite schist - average piece 5 to 10 cm long - well foliated at 40 deg to C.A. - 15 to 20 % silicification and quartz veins, which are fractured into chips - silicified zones contain up to 3 % chalcopyrite, which occurs with covelite or chalcocite coating - 8 % disseminated and stringer pyrite - up to 1 % chalcocite - up to 0.8% chalcopyrite	13216 13217	47.85 49.50	49.50 51.51	1.65 2.01	55.00 56.00	140 120	0.5 0.5	3835 2924	

METRES From	METRES To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au ppb	Ag ppm	Cu ppm	Cu %
51.51	55.90	DACITIC VOLCANICS - as in section 3.05 to 47.85 m - small section of unfaulted material - zone is sericitized and silicified volcanics as in above section - faint foliation developed at 40 deg to C.A. defined by sericite and quartz-pyrite veinlets and stringers - 8 % pyrite as fine to medium-grained disseminations and stringers, generally associated with quartz - 0.5 to 0.8 % chalcopyrite as small "splashes" in quartz-pyrite veins, generally with a thin black rim surrounding the grain - 0.5 to 0.8 % blue-grey sulphide associated with pyrite (chalcocite, covelite, tetrahedrite-tennantite?) - a few specs of bornite observed along fractures at 52.9 m, coated with covelite	13218	51.51	53.50	1.99	93.00	230	0.7	3802	
			13219	53.50	55.90	2.40	75.00	280	0.9	3277	
55.90	123.8	RUBBLE ZONE (QUARTZ-SERICITE-SCHIST) - intensely fractured and foliated quartz- sericite-pyrite schist as in section 47.85 to 51.51 - from 55.9 to 57.2 m average piece is 5 cm long - from 57.2 to 95.0 m average piece is 1 cm long, small chips of rock - very fractured - from 95.0 to 98.75 m average piece is 10 cm long - from 98.75 to 107.0 m average piece is 0.5 cm chips - from 107.0 to 109.0 - 5 to 10 cm chips - from 109.0 to 123.8 m - <0.5 cm chips - approximately 20 to 30 % silicification and 50 to 60 % sericitization - pyrite content is lower between 55.9 and 64.0 (6 to 8 %) than from 64.0 on, where it is 10 % or greater - copper sulphide content increases from 64.0 to the bottom of the hole - from 64.0 to 70.7 m, 75.0 to 76.0 m and 90.5 to 106 approximately 1 % blue-grey sulphide coating fractures (chalcocite) similar to silicified stockwork zone in holes K88-1,11,16,17,18,21, and 22	13220	55.90	58.00	2.10	74.00	70	0.5	842	0.11
			13221	58.00	61.00	3.00	79.00	70	0.2	1407	0.18
			13222	61.00	64.00	3.00	54.00	90	0.5	1762	0.22
			13223	64.00	65.85	1.85	61.00	90	0.5	2566	0.32
			13224	65.85	68.00	2.15	70.00	140	0.5	4941	0.60
			13225	68.00	71.00	3.00	62.00	250	2.0	9075	1.15
			13226	71.00	74.00	3.00	53.00	720	0.9	7029	0.84
			13227	74.00	77.00	3.00	58.00	160	0.7	4875	0.58
			13228	77.00	80.00	3.00	31.00	350	0.9	5269	0.67
			13229	80.00	83.00	3.00	15.00	240	0.8	4949	0.59
			13230	83.00	86.00	3.00	23.00	290	0.9	5902	0.69
			13231	86.00	89.00	3.00	28.00	290	1.3	8194	0.93
			13232	89.00	92.00	3.00	61.00	290	0.9	5329	0.62
			13233	92.00	95.00	3.00	64.00	380	1.3	6907	0.82
			13234	95.00	98.00	3.00	134.00	420	1.1	6835	0.81
			13235	98.00	101.00	3.00	80.00	210	1.1	8431	0.94
			13236	101.00	104.00	3.00	82.00	370	1.4	8854	1.03
			13237	104.00	107.00	3.00	106.00	1060	1.2	6914	0.79
			13238	107.00	110.00	3.00	90.00	300	1.0	6892	0.80
			13239	110.00	113.00	3.00	44.00	400	0.9	5432	0.63
			13240	113.00	116.00	3.00	27.00	100	0.6	2637	0.30
			13241	116.00	119.00	3.00	63.00	50	0.6	2729	0.33
			13242	119.00	122.00	3.00	70.00	140	0.6	3604	0.43
			13243	122.00	123.80	1.80	93.00	60	0.3	1724	0.20

METRES From	METRES To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au ppb	Ag ppm	Cu ppm	Cu %
123.80	136.40	DACITE TUFF - very competent core, approximately 100% recovery, very few fractures - alteration style changes dramatically at contact - competent tuff is unfoliated and contains much less sericite (<10 %) - has a very chalky / clayey appearance and contains up to 10 % clay minerals - core contains 15 to 25 % gypsum as pervasive alteration and in veins up to 2 cm wide, approximately 3, 1 cm veins per metre -anhydrite alteration is very distinctive marker for this unit - anhydrite veins generally contain 1 to 3 % fine-grained euhedral pyrite - numerous (5 %) micro-veinlets 1 mm wide throughout interval at all orientations are filled with anhydrite - from 133.4 to 136.4 m tuff is quite fractured into <1 cm long pieces as it approaches the contact with the dyke - fractured core contains more sericite and silica, and less anhydrite and clay - fractured core contains some chalcocite mineralization (2%) - no visible copper sulphide mineralization	13244	123.80	126.80	3.00	97.00	190	0.9	4532	0.53
			13245	126.80	129.80	3.00	106.00	180	0.9	4876	0.53
			13246	129.80	133.40	3.60	83.00	250	0.7	4122	0.45
			13247	133.40	136.40	3.00	58.00	230	0.6	1429	
136.40	139.90	ANDESITE DYKE - fine-grained, brown-green, fractured (brecciated ?) andesite dyke - average piece 5 to 15 cm long -fracture planes filled with limonitic clay - dyke is quite altered - chlorite and abundant limonite - numerous (5 %) vuggy, limonitic quartz veinlets spaced approximately 20 cm apart	13248	136.40	139.90	3.50	79.00	200	0.6	125	
EOH		HOLE SHUT DOWN AT 139.90 m RODS STICKING AND DIFFICULT TO PULL AT THAT DEPTH, BUT ALL CAME OUT OF HOLE									

Ref	North	East	RL	Azim	Dip	Length	Category	Remarks
893	10540.59	9546.06	1341.17	090	-58	139.9	P-zone	COLLAR TO TEST N-S I.P. ANOMALY

FROM	Dist	WDTH	RQ	ROCKNAME	UNT	TXT	SI	QV	SE	CY	CH	EP	CB	GM	A1	A2	IN	PY	CP	SP	CC	NC	M1	M2
F																								
	3.05	3.05	0	OVERBURDEN			0	0	0	0	0	0					0	0	0		0			
3.05	6	2.95	47	DAC TUFF		MG	8	3	50	2		.5					70	12						
6	9	3	51	DAC TUFF		MG	6	2	60	.5		.5					70	10						
9	12	3	46	DAC TUFF		MG	12	50	50	.5	1	.5					75	15						
12	15	3	34	DAC TUFF		MG	8	10	65	2		.5					85	12						
15	18	3	30	DAC TUFF		MG	5	2	60	2		.5					75	10			.1			
18	21	3	33	DAC TUFF		MG	3	1	60	1							70	5			.5			
21	24	3	34	DAC TUFF		MG	3	5	55	3							70	12			.1			
24	27	3	11	DAC TUFF		MG	3	8	70	2							85	10			.5			
27	30	3	24	DAC TUFF		MG	3	3	60	1							75	10			.1			
30	33	3	36	DAC TUFF		MG	3	3	55	1	3						75	10	.1		.1			
33	36	3	40	DAC TUFF		MG	5	3	50		10						75	10	.2		.5			
36	39	3	50	DAC TUFF		MG	3	3	50	1	3						65	8	.1		.8			
39	42	3	45	DAC TUFF		MG	8	3	65		2						85	8	.5		.8			
42	45	3	49	DAC TUFF		MG	6	5	60	1	5						80	10	.8		.5			
45	47.85	2.85	19	DAC TUFF		MG	8	8	65	1							90	8	.2		.8			
47.85	49.5	1.65	14	FAULT ZONE		SHRD	10	10	65								90	8	.5		.5			
49.5	51.51	2.01	13	FAULT ZONE		SHRD	12	10	60								90	8	.8		1			
51.51	53.5	1.99	58	DAC TUFF		MG	10	10	50	1							80	8	.5		.5			
53.5	55.9	2.4	35	DAC TUFF		MG	10	10	50	1						.1	80	7	.8		.8		.2	
55.9	58	2.1	9	FAULT ZONE		SHRD	12	3	65	1							90	8			.3			
58	61	3	18	FAULT ZONE		SHRD	10	2	65	1							85	6	.1		.3			
61	64	3	18	FAULT ZONE		SHRD	12	2	70								95	6			.3			
64	65.85	1.85	18	FAULT ZONE		SHRD	15	2	65								95	10			.2			
65.85	68	2.15	18	FAULT ZONE		SHRD	10	2	70							.1	95	10	.3		.5		.5	
68	71	3	18	FAULT ZONE		SHRD	20	3	65	1	1						95	10	.2		.5		.1	
71	74	3	27	FAULT ZONE		SHRD	10	5	60	3	2						90	7	.1		.3			
74	77	3	18	FAULT ZONE		SHRD	3	2	50	7	5				1		85	7			.2			
77	80	3	26	FAULT ZONE		SHRD	2	2	30	7	7						50	3			.1			
80	83	3	22	FAULT ZONE		SHRD		1	10	10	10						40	3						
83	86	3	26	FAULT ZONE		SHRD		1	5	5	25						40	3						
86	89	3	19	FAULT ZONE		SHRD	5	1	60	1	10						85	6			.3			
89	92	3	19	FAULT ZONE		SHRD	15	5	50	1	2						95	15			.5			
92	95	3	17	FAULT ZONE		SHRD	15	5	60	1							95	12	.1		.5		.3	
95	98	3	20	FAULT ZONE		SHRD	10	5	50	5	5				1		85	8	.1		.3		.5	
98	101	3	17	FAULT ZONE		SHRD	10	3	50	10							90	9	.1		.1		.5	
101	104	3	14	FAULT ZONE		SHRD	15	5	50	5							90	8			.8		.2	
104	107	3	14	FAULT ZONE		SHRD	8	3	60	5	2				.5		90	8	.2		.8		.1	
107	110	3	20	FAULT ZONE		SHRD	3	1	40	10	5				3		65	5	.1		.3		.2	
110	113	3	19	FAULT ZONE		SHRD	1	1	30	20					3		60	4			.3		.2	
113	116	3	19	FAULT ZONE		SHRD	10	2	40	20							80	5			.2		.3	
116	119	3	11	FAULT ZONE		SHRD	8	1	40	20					2		85	6			.3		.1	
119	122	3	11	FAULT ZONE		SHRD	12		50	15					2		90	8			.2		.1	
122	123.8	1.8	11	FAULT ZONE		SHRD	12	1	50	15							85	7			.2			
123.8	126.8	3	64	DAC TUFF		F.MG	2	2	10	15	10				15		50	7						
126.8	129.8	3	48	DAC TUFF		F.MG	3	2	5	15	10				25		60	9						
129.8	133.4	3.6	56	DAC TUFF		F.MG	1	3	5	20	5				25		60	5						
133.4	136.4	3	17	FAULT DAC TUFF		SHRD	1	8	15	15	1				7		80	7			.2		.1	
136.4	139.9	3.5	32	ANDE DYKE		FD	1	3	5	15	30						55	7						

1988 Triumph Street, Vancouver, B.C. V5L 1K5
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ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Pd, Pt, Sn, Sr and W.

ANALYST:

REPORT #: 890396 PA | WESTERN CANADIAN | Proj: 9101 | Date In: 89/07/31 | Date Out:89/08/02 | Att: B BUTTERWORTH |

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sn ppm	Sr ppm	U ppm	W ppm	Zn ppm
13201	0.8	0.33	165	5	<3	0.06	1.2	38	77	995	8.06	0.21	0.07	15	16	0.01	35	0.08	32	<2	4	57	<5	<3	45
13202	0.5	0.32	93	8	<3	0.09	1.4	32	47	737	7.56	0.19	0.06	13	23	0.01	31	0.11	29	<2	4	17	<5	<3	29
13203	1.0	0.30	113	8	3	0.11	1.5	40	42	759	8.87	0.22	0.04	20	86	0.01	67	0.12	43	<2	4	16	<5	<3	38
13204	0.5	0.25	46	8	<3	0.04	1.1	40	65	1030	7.76	0.18	0.04	12	28	0.01	25	0.12	31	<2	4	7	<5	<3	16
13205	1.0	0.44	126	8	3	0.13	1.7	42	71	1514	8.46	0.20	0.20	40	33	0.01	28	0.10	43	<2	4	9	<5	<3	77
13206	0.5	0.51	29	12	<3	0.32	0.7	26	45	1473	5.72	0.16	0.35	234	15	0.01	18	0.12	25	<2	3	17	<5	<3	35
13207	0.5	0.46	34	9	<3	0.32	1.2	34	62	1780	7.14	0.19	0.34	282	19	0.01	27	0.13	34	<2	3	16	<5	<3	43
13208	0.5	0.35	40	6	<3	0.05	1.2	47	65	1647	7.97	0.17	0.10	26	35	0.01	28	0.07	29	<2	4	15	<5	<3	22
13209	0.2	0.50	31	7	<3	0.17	1.2	32	33	1275	7.33	0.72	0.25	94	14	0.01	50	0.12	29	<2	3	12	<5	<3	37
13210	0.5	1.29	36	6	3	0.16	1.7	33	47	1579	7.87	0.17	1.03	83	36	0.01	25	0.14	39	<2	3	22	<5	<3	75
13211	0.5	3.16	37	10	4	0.15	2.1	32	43	1889	7.68	0.16	2.56	218	32	0.01	28	0.15	31	<2	2	21	<5	<3	99
13212	0.5	1.52	31	6	3	0.13	1.4	37	59	2143	7.12	0.65	1.23	94	64	0.01	28	0.12	30	<2	3	20	<5	<3	62
13213	0.7	1.53	32	9	<3	0.14	1.2	27	65	2533	6.24	0.62	1.38	82	49	0.01	28	0.13	54	<2	3	15	<5	<3	95
13214	0.5	1.04	36	9	<3	0.19	1.2	30	66	1651	6.12	0.12	0.83	68	42	0.01	27	0.16	40	<2	3	14	<5	<3	60
13215	0.5	0.40	26	18	<3	0.13	0.7	32	72	2279	5.66	0.55	0.08	22	56	0.01	27	0.14	24	<2	3	11	<5	<3	15
13216	0.5	0.20	26	5	<3	0.01	0.8	19	65	3835	6.00	0.09	0.01	9	9	0.01	8	0.01	25	<2	3	17	<5	<3	10
13217	0.5	0.23	23	7	<3	0.01	0.7	30	100	2924	5.86	0.50	0.02	13	36	0.01	28	0.01	21	<2	3	10	<5	<3	7
13218	0.7	0.46	24	11	<3	0.14	1.1	39	101	3802	7.18	0.11	0.08	25	74	0.01	33	0.13	24	<2	4	9	<5	<3	19
13219	0.9	0.29	23	9	<3	0.11	0.6	32	61	3277	6.39	0.10	0.04	13	55	0.01	27	0.12	31	<2	3	20	<5	<3	11
13220	0.5	0.21	15	8	<3	0.01	0.2	21	23	842	4.89	0.43	0.01	9	19	0.01	35	0.01	25	<2	2	10	<5	<3	5
13221	0.2	0.23	23	14	<3	0.01	0.1	22	56	1407	4.10	0.05	0.02	7	35	0.01	37	0.01	27	<2	2	5	<5	<3	8
13222	0.5	0.69	41	10	<3	0.17	0.2	22	84	1762	4.11	0.06	0.23	22	42	0.01	21	0.33	41	<2	2	32	<5	<3	39
13223	0.5	0.60	18	11	<3	0.13	0.1	26	52	2566	4.20	0.05	0.12	21	43	0.01	72	0.32	37	<2	2	28	<5	<3	22
13224	0.5	0.45	25	6	<3	0.05	0.6	29	83	4941	5.24	0.06	0.11	17	333	0.01	19	0.18	58	<2	2	30	<5	<3	23
13225	2.0	0.44	60	4	<3	0.13	1.2	53	73	9075	8.19	0.39	0.05	17	496	0.02	29	0.20	63	<2	4	24	<5	<3	13
13226	0.9	1.16	42	7	<3	0.21	1.1	43	84	7029	6.02	0.07	0.82	67	91	0.01	34	0.39	44	<2	3	17	<5	<3	94
13227	0.7	0.86	31	13	<3	0.09	0.5	35	47	4875	4.51	0.04	0.59	64	141	0.01	38	0.27	128	<2	2	22	<5	<3	41
13228	0.9	1.15	16	32	<3	0.13	0.2	23	110	5269	2.93	0.03	0.88	74	123	0.01	15	0.20	65	<2	2	40	<5	<3	55
13229	0.8	1.26	23	12	<3	0.21	0.8	35	103	4949	5.65	0.29	0.93	63	157	0.01	21	0.28	75	<2	3	30	<5	<3	57
13230	0.9	1.84	26	11	<3	0.18	0.8	27	55	5902	4.98	0.04	1.74	93	174	0.01	27	0.28	67	<2	2	49	<5	<3	102
13231	1.3	0.83	8	31	<3	0.06	0.1	24	118	8194	2.05	0.01	0.39	30	124	0.01	11	0.11	84	<2	<2	59	<5	<3	33
13232	0.9	0.25	13	7	<3	0.01	0.5	20	93	5329	5.09	0.22	0.03	10	106	0.01	13	0.01	86	<2	3	10	<5	<3	9
13233	1.3	0.26	15	8	<3	0.01	0.3	26	68	6907	5.44	0.20	0.03	9	105	0.01	19	0.01	54	<2	3	7	<5	<3	8
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

REPORT #: B90396 PA | WESTERN CANADIAN | Proj: 9101 | Date In: 89/07/31 | Date Out:89/08/02 | Att: B BUTTERWORTH |

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
13234	1.1	0.72	28	7	<3	0.06	0.7	21	79	6835	5.45	0.17	0.20	16	75	0.01	21	0.39	62	<2	2	24	<5	<3	31
13235	1.1	0.25	20	7	<3	0.01	0.7	22	73	8431	5.70	0.16	0.03	9	82	0.01	25	0.01	32	<2	2	11	<5	<3	9
13236	1.4	0.27	22	8	<3	0.01	0.7	21	72	8854	5.57	0.95	0.03	8	46	0.01	18	0.01	33	<2	2	8	<5	<3	9
13237	1.2	0.56	24	11	<3	0.01	0.3	25	114	6914	4.09	0.91	0.11	13	107	0.01	19	0.15	75	<2	<2	18	<5	<3	12
13238	1.0	1.43	55	11	<3	0.15	0.7	19	79	6892	5.09	0.96	0.65	21	110	0.01	15	0.75	45	<2	<2	34	<5	<3	35
13239	0.9	0.30	27	8	<3	0.01	0.6	19	49	5432	5.23	0.94	0.04	8	42	0.01	9	0.21	24	<2	2	14	<5	<3	7
13240	0.6	0.21	100	10	<3	0.01	0.5	15	38	2637	4.79	0.14	0.02	5	23	0.01	9	0.02	23	<2	2	9	<5	<3	24
13241	0.6	0.22	62	6	<3	0.01	0.7	19	67	2729	5.63	0.16	0.02	7	13	0.01	10	0.01	36	<2	2	15	<5	<3	15
13242	0.6	0.25	22	5	<3	0.01	0.2	17	63	3604	5.56	0.95	0.03	8	24	0.01	12	0.01	20	<2	2	12	<5	<3	7
13243	0.3	0.20	6	28	<3	0.02	0.1	13	34	1724	1.88	0.85	0.02	4	32	0.01	6	0.01	9	<2	<2	15	<5	<3	4
13244	0.9	0.27	10	11	<3	2.67	0.5	14	26	4532	3.46	0.52	0.57	231	27	0.01	7	0.15	21	<2	<2	233	<5	<3	32
13245	0.9	0.33	19	9	<3	2.52	0.6	17	40	4876	4.63	1.32	0.35	154	21	0.01	12	0.11	19	<2	2	227	<5	<3	25
13246	0.7	0.50	16	10	<3	2.20	0.5	18	43	4122	4.60	1.27	0.48	136	21	0.01	10	0.13	23	<2	<2	214	<5	<3	40
13247	0.6	0.27	9	28	<3	0.12	0.1	8	42	1429	3.27	0.90	0.10	13	58	0.01	6	0.05	17	<2	<2	29	<5	<3	13
13248	0.6	0.44	20	339	<3	0.02	0.1	1	65	125	3.41	0.89	0.25	15	69	0.01	4	0.10	25	<2	<2	69	<5	<3	35

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
• (604) 251-5656
• FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 890396 GA JOB NUMBER: 890396 **WESTERN CANADIAN MINING CORP.**

SAMPLE #	Au ppb
13201	70
13202	90
13203	100
13204	120
13205	180
13206	110
13207	130
13208	280
13209	140
13210	120
13211	100
13212	120
13213	190
13214	120
13215	190
13216	140
13217	120
13218	230
13219	280
13220	70
13221	70
13222	90
13223	90
13224	140
13225	250
13226	720
13227	160
13228	350
13229	240
13230	290
13231	290
13232	290
13233	380
13234	420
13235	210
13236	370
13237	1060
13238	300
13239	400
13240	100
13241	50
13242	140
13243	60
13244	190
13245	180
13246	250
13247	230
13248	200
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

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MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 890396 AA JOB NUMBER: 890396 **WESTERN CANADIAN MINING CORP.**

SAMPLE #	Cu %
13220	.11
13221	.18
13222	.22
13223	.32
13224	.60
13225	1.15
13226	.84
13227	.58
13228	.67
13229	.59
13230	.69
13231	.93
13232	.62
13233	.82
13234	.81
13235	.94
13236	1.03
DETECTION LIMIT	.01

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

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BRANCH OFFICES
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BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

SAMPLE #	Cu %
13237	.79
13238	.80
13239	.63
13240	.30
13241	.33
13242	.43
13243	.20
13244	.53
13245	.53
13246	.45

DETECTION LIMIT .01

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: Raymond Lane

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
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VANCOUVER, B.C. V5L 1K5
• (604) 251-5656
• FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

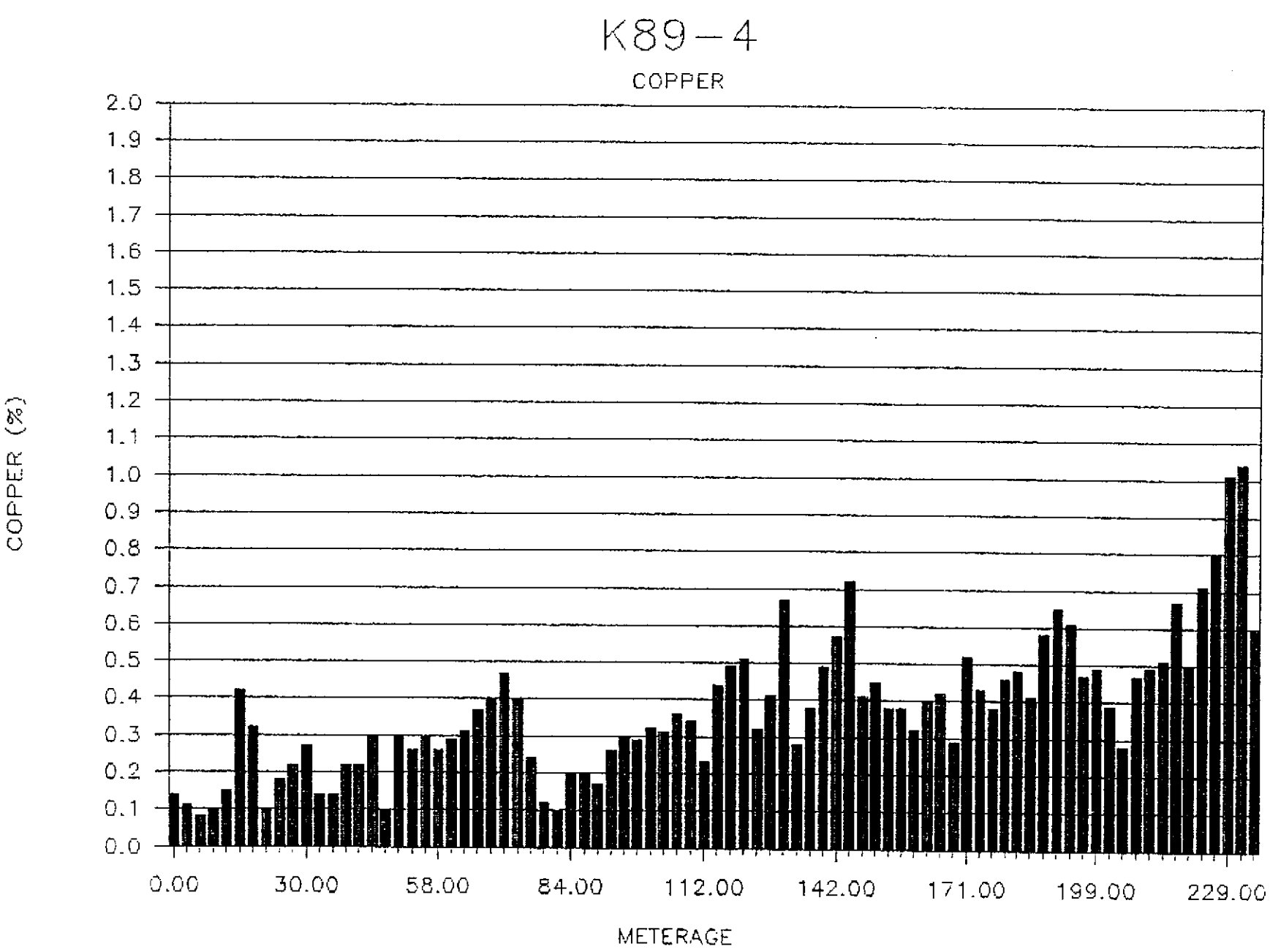
REPORT NUMBER: 890396C AC JOB NUMBER: 890396C WESTERN CANADIAN MINING CORP.

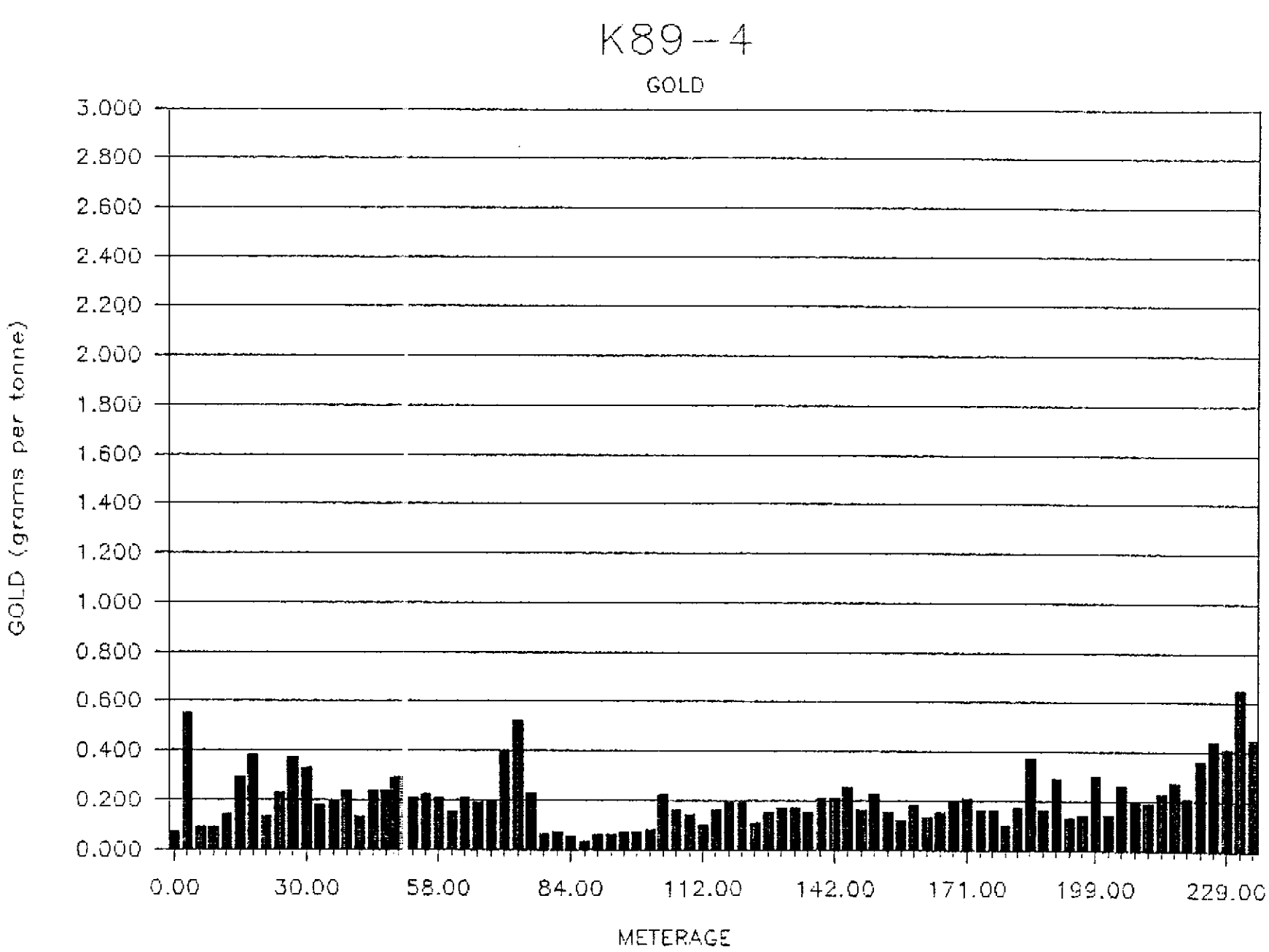
SAMPLE #	Cu %
13247	.18
13248	.02

DETECTION LIMIT .01

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____


K89-4
COPPER
COPPER (%)
2.0
1.9
1.8
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
0.00
30.00
58.00
84.00
112.00
142.00
171.00
199.00
229.00
METERAGE


K89-4
GOLD
GOLD (grams per tonne)
3.000
2.800
2.600
2.400
2.200
2.000
1.800
1.600
1.400
1.200
1.000
0.800
0.600
0.400
0.200
0.000
0.00
30.00
58.00
84.00
112.00
142.00
171.00
199.00
229.00
METERAGE

D.D. HOLE No. K-89-4 PAGE: 1 of 5

Location	P-zone north-west	Collar Northing	10540.59 m
Date Started	July 25, 1989	Easting	9545.72 m
Date Completed	July 29, 1989	Elevation	1341.17 m
Core Recovery	85.82 %	Azimuth	090 Dip -90 deg
Drilled By	J.T.Thomas Drilling	Length	239.88 m
Logged By	S.G. Casselman	Hor. Proj.	7.27 m
Objective	Vertical hole off 89-3 set-up test B-zone down-dip	Vert. Proj.	239.69 m
		Core size	BDBGM (thin-wall BQ)

METRES From	METRES To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au ppb	Ag ppm	Cu ppm	Cu %
0.00	3.05	OVERBURDEN									
3.05	58.00	DACITE TUFF (LAPILLI ?)									
		- very competent core, average piece 20 to 30 cm long, good recovery - high 90 % range	13249	3.05	6.00	2.95	97.00	70	1.1	1125	0.14
			13250	6.00	9.00	3.00	96.00	550	1.1	931	0.11
			13199	9.00	12.00	3.00	76.00	90	0.5	828	
		- core is slightly schistose throughout interval, with foliation parallel to bedding at 35 deg to C.A., and fractures at 45 deg to C.A.	13251	12.00	15.00	3.00	98.00	90	1.0	836	0.10
			13252	15.00	18.00	3.00	94.00	140	1.4	1300	0.15
			13253	18.00	21.00	3.00	94.00	290	5.1	3790	0.42
			13254	21.00	24.00	3.00	101.00	380	4.9	2827	0.32
		- sericite and thin (1 mm) pyrite veinlets define foliation	13255	24.00	27.00	3.00	97.00	130	0.5	857	0.10
			13256	27.00	30.00	3.00	98.00	230	0.6	1614	0.18
		- core is sericitized (40 to 65 %) silicified (5 to 10 %), minor limonitic clay on fracture surfaces (1 to 3%)	13257	30.00	33.00	3.00	99.00	370	1.1	1995	0.22
			13258	33.00	36.00	3.00	73.00	330	0.6	2497	0.27
			13259	36.00	39.00	3.00	32.00	180	0.5	1187	0.14
		- relic plagioclase crystals up to 1 mm long are altered to a white clay	13260	39.00	42.00	3.00	100.00	200	0.3	1187	0.14
			13261	42.00	45.00	3.00	97.00	240	0.5	1857	0.22
		- a few sections have light lime-green alteration of lapilli fragments	13262	45.00	48.00	3.00	48.00	130	0.6	1834	0.22
			13263	48.00	51.00	3.00	94.00	240	0.6	2586	0.30
		- some relic crystals appear to be pyritized throughout interval	13264	51.00	54.00	3.00	44.00	240	0.2	821	0.10
			13265	54.00	56.00	2.00	99.00	290	0.5	2717	0.30
		- silicification is patchy and generally occurs along foliation / bedding planes	13266	56.00	58.00	2.00	96.00	210	0.5	2274	0.26
		- silicification generally accompanied by minor pyritization									
		- cloudy white quartz veins (about 3 to 5 %) roughly every 20 to 30 cm along core parallel to foliation									
		- variable amounts of pyrite per sample interval from 5 to 15 %									
		- pyrite occurs as fine to medium-grained disseminations (up to 5 %), associated with quartz veins (up to 15 %), and as 1 mm wispy stringers in foliation planes									

METRES From	METRES To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au ppb	Ag ppm	Cu ppm	Cu %
		- rare traces of chalcopyrite which generally have a black rim of chalcocite - S.G. at 5.00 m = 2.96 g/cc 15.00 m = 2.94 g/cc 25.00 m = 2.89 g/cc 35.00 m = 2.94 g/cc 45.00 m = 3.03 g/cc 55.00 m = 2.99 g/cc average S.G. = 2.96 g/cc									
58.00	61.50	FAULTED DACITE TUFF - core is the same composition as above section but fractured into pieces averaging 1 to 2 cm long, and slightly foliated - silicification and quartz veining increase to 15 % - quartz veins are white to grey, vuggy, with up to 5 % contained pyrite - up to .5 % chalcocite on fracture planes - fault zone is not well developed, more of a fracture zone, but has distinct upper and lower contact	13267	58.00	60.00	2.00	85.00	220	0.6	2774	0.30
			13268	60.00	61.50	1.50	129.00	210	0.5	2276	0.26
61.50	85.50	DACITE TUFF - dacite tuff as above - becomes slightly more fractured, average piece 10 to 20 cm long - strong foliation developed at 25 deg to C.A. - silicification and quartz veining increase to up to 25 % - quartz veins up to 10 cm wide, spaced approximately every 5 cm, generally parallel foliation, but many occur as large blebs, or pinch and swell - traces of chalcopyrite visible and chalcocite content increases slightly, to 0.3 to 0.5 % - quartz veins contain up to 25 % pyrite as coarse, anhedral aggregates - pyrite also occurs as coarse-grained 1 to 2 mm veinlets paralleling foliation - chalcopyrite (0.1 %) mineralization and chalcocite ? (0.1 to 1.0 %) in silicified patches and quartz veins	13269	61.50	64.00	2.50	102.00	150	0.6	2427	0.29
			13270	64.00	67.00	3.00	89.00	210	0.6	2657	0.31
			13271	67.00	70.00	3.00	86.00	190	0.7	3290	0.37
			13272	70.00	73.00	3.00	94.00	200	1.1	3443	0.40
			13273	73.00	76.00	3.00	95.00	400	1.5	4036	0.47
			13274	76.00	79.00	3.00	98.00	520	1.1	3438	0.40
			13275	79.00	82.00	3.00	81.00	230	1.0	2076	0.24
			13276	82.00	84.00	2.00	95.00	60	0.5	1004	0.12
			13277	84.00	85.50	1.50	110.00	70	0.5	804	0.10

METRES From	To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au ppb	Ag ppm	Cu ppm	Cu %
		- copper sulphide mineralization increases towards the fault contact - S.G. at 65.00 m = 2.94 g/cc 75.00 m = 2.90 g/cc 85.00 m = 2.88 g/cc - average S.G. = 2.91 g/cc									
85.50	172.70	RUBBLE ZONE (QUARTZ-SERICITE-PYRITE SCHIST) - upper contact is gradational with dacite tuff - tuff becomes fractured from 84.0 - at 85.5 m fracture intensity increases, average piece is 1 to 5 cm long, and foliation is developed - from 85.5 to 105.0 m core is mainly < 1 cm chips of rock - core is fractured at 40 deg to C.A - across the fault contact alteration changes gradually to more intense sericitization with patchy silicification - upper part of fault is composed of dacite tuff fragments, while lower down alteration wipes out texture - fracture planes in zone from 85.5 to 105.0 m are coated with a milky white soft clay (2 to 8 %) - pyrite content in fault zone is quite variable, from 4 to 15 % - copper sulphide content increases within fault zone (up to 1.5 % combined chalcopyrite, chalcocite and covelite) - chalcopyrite is rarely observed - generally occurs as small specks in silicified patches - chalcocite and covelite occur as black to blue secondary coatings on fracture surfaces, and on pyrite grains - faulted core is a medium to dark grey color from 97.0 to 118.0 m, 123.0 to 145.0 m, and 148.0 to 172.7 m - the color is believed to be due to fine-grained to aphanitic pyrite-chalcocite and covelite throughout silicified sections	13278	85.50	88.00	2.50	87.00	50	0.5	1662	0.20
			13279	88.00	91.00	3.00	76.00	30	0.3	1755	0.20
			13280	91.00	94.00	3.00	95.00	60	0.3	1401	0.17
			13281	94.00	97.00	3.00	92.00	60	0.2	2159	0.26
			13282	97.00	100.00	3.00	92.00	70	1.0	2620	0.30
			13283	100.00	103.00	3.00	73.00	70	0.7	2468	0.29
			13284	103.00	106.00	3.00	79.00	80	0.6	2811	0.32
			13285	106.00	109.00	3.00	84.00	220	0.1	2843	0.31
			13286	109.00	112.00	3.00	40.00	160	0.1	2968	0.36
			13287	112.00	115.00	3.00	67.00	140	0.1	3203	0.34
			13288	115.00	118.00	3.00	17.00	100	0.1	2048	0.23
			13289	118.00	121.00	3.00	51.00	160	0.1	3947	0.44
			13290	121.00	124.00	3.00	61.00	190	0.3	4537	0.49
			13291	124.00	127.00	3.00	73.00	190	0.1	4713	0.51
			13292	127.00	130.00	3.00	100.00	110	0.1	2908	0.32
			13293	130.00	133.00	3.00	77.00	150	0.2	3734	0.41
			13294	133.00	136.00	3.00	100.00	170	0.4	6249	0.67
			13295	136.00	139.00	3.00	55.00	170	0.1	2590	0.28
			13296	139.00	142.00	3.00	70.00	150	0.1	3294	0.38
			13297	142.00	145.00	3.00	72.00	210	0.2	4681	0.49
			13298	145.00	148.00	3.00	70.00	210	0.4	5654	0.57
			13299	148.00	151.00	3.00	87.00	250	0.4	6733	0.72
			13300	151.00	154.00	3.00	66.00	160	0.4	3670	0.41
			13302	154.00	157.00	3.00	83.00	230	0.3	4465	0.45
			13303	157.00	160.00	3.00	37.00	150	0.6	3451	0.38
			13304	160.00	163.00	3.00	77.00	120	1.2	3643	0.38
			13305	163.00	166.00	3.00	68.00	180	0.6	3045	0.32
			13306	166.00	169.00	3.00	87.00	130	0.3	3639	0.40
			13307	169.00	171.00	2.00	102.00	150	0.3	3857	0.42
			13308	171.00	172.70	1.70	76.00	200	0.1	2608	0.29

METRES From	To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au ppb	Ag ppm	Cu ppm	Cu %
		- abundant chalcocite and covelite on fracture surfaces and as a coating on pyrite and other sulphides from 153.0 to the end of the fault (172.7 m) - lower, footwall, contact is very distinct and abrupt - core changes from highly fractured, chips (<1 mm long) to very competent core averaging 15 to 40 cm long - S.G. at 95.00 m = 2.72 g/cc 105.00 m = 2.56 g/cc 115.00 m = 2.56 g/cc 125.00 m = 2.70 g/cc 135.00 m = 2.77 g/cc 145.00 m = 2.75 g/cc 155.00 m = 2.72 g/cc 165.00 m = 2.75 g/cc - average S.G. = 2.69 g/cc									
172.70	239.88	FELSIC TO INTERMEDIATE VOLCANICS (DACITE TO ANDESITE LAPILLI TUFF ?) - very distinct rock type from that in the fault zone - core is very competent, contains 5 to 15 % anhydrite and much less sericite - relic volcanic texture is evident - upper 8 m of section is fine to medium grained and massive, with abundant chlorite, sericite, quartz and anhydrite - chlorite occurs as replacement of selective grains (mafic minerals or clasts ?) and as thin wisps paralleling bedding or along quartz veins - sericite occurs as moderate to strong replacement and is pervasive - the core is moderately to strongly silicified and has, in places, numerous quartz veins - silicification imparts a glassy grey-blue color to core - anhydrite occurs as soft, somewhat vitreous veins, up to 3 cm wide - from 180.0 to 207.0 m tuffaceous texture is evident with lapilli up to 3 cm long and occassional sections of crystal tuff	13309	172.70	175.00	2.30	117.00	210	1.4	4827	0.52
			13310	175.00	178.00	3.00	94.00	160	0.2	3890	0.43
			13311	178.00	181.00	3.00	100.00	160	0.1	3405	0.38
			13312	181.00	184.00	3.00	103.00	100	1.2	4188	0.46
			13313	184.00	187.00	3.00	98.00	170	0.3	4409	0.48
			13314	187.00	190.00	3.00	100.00	370	0.1	3638	0.41
			13315	190.00	193.00	3.00	96.00	160	0.4	5358	0.58
			13316	193.00	196.00	3.00	96.00	290	0.6	5625	0.65
			13317	196.00	199.00	3.00	100.00	130	0.6	5084	0.61
			13318	199.00	202.00	3.00	100.00	140	0.3	3894	0.47
			13319	202.00	205.00	3.00	91.00	300	0.3	3945	0.49
			13320	205.00	208.00	3.00	89.00	140	0.7	3352	0.39
			13321	208.00	211.00	3.00	98.00	260	0.3	2328	0.28
			13322	211.00	214.00	3.00	101.00	200	0.5	4058	0.47
			13323	214.00	217.00	3.00	100.00	190	0.4	4250	0.49
			13324	217.00	220.00	3.00	99.00	230	0.6	5000	0.51
			13325	220.00	223.00	3.00	97.00	270	1.2	5988	0.67
			13326	223.00	226.00	3.00	100.00	210	0.5	4748	0.50
			13327	226.00	229.00	3.00	97.00	360	0.7	6492	0.71
			13328	229.00	232.00	3.00	98.00	440	0.9	7215	0.80
			13329	232.00	235.00	3.00	97.00	410	2.0	9202	1.01
			13330	235.00	238.00	3.00	100.00	650	1.6	9315	1.04
			13331	238.00	239.88	1.88	100.00	450	0.8	5696	0.60

METRES From	METRES To	DESCRIPTION	SAMPLING Spl.#	SAMPLING From	SAMPLING To	SAMPLING m	Rec %	Au ppb	Ag ppm	Cu ppm	Cu %
		- the lapilli tuff is quite chloritized (20 %) and, in places quite silicified (up to 25 %) - tuff is brecciated from 207.0 to 208.0 and the fragments are healed with quartz - from 209.0 to 210.0 m core is quite chloritized with up to 15 % chloritized crystals or lapilli fragments measuring 2 mm by 5 mm - from 210.0 to 239.88 m (E.O.H.) core is lighter colored, more silicified and sericitized, and less chloritized especially from 221.3 to 223.0 m and 227.0 to 239.88 m were section is intensely silicified (50 %) with up to 0.5 % blue-grey chalcocite - tuff contains up to 10 % pyrite, mainly as thin veinlets (1 to 2 mm) paralleling bedding - up to 0.5 % chalcopyrite as small specs and splashes scattered throughout interval and chalcocite and covelite, mainly as secondary replacement on fracture planes and as coatings on pyrite and chalcopyrite grains - S.G. at 175.00 m = 2.87 g/cc 185.00 m = 2.96 g/cc 195.00 m = 2.88 g/cc 205.00 m = 2.84 g/cc 215.00 m = 2.81 g/cc 225.00 m = 2.91 g/cc 235.00 m = 2.79 g/cc - average S.G. = 2.87 g/cc								
E.O.H.		DIP TEST (corrected) at 202.08 m - 87 degrees HOLE SHUT DOWN DUE TO HEAVY VIBRATION IN RODS									

1989 KERR EXPLORATION PROGRAM
Western Canadian Mining Corporation - 17 Nov 1989 07:25:08 Page 1

Ref	North	East	RL	Azim	Dip	Length	Category	Remarks
894	10540.59	9545.72	1341.17	0	90	239.88	P-Zone	Vertical hole at K89-3 set up, test B-zone down dip

FROM	Dist	WDTH	RQ	ROCKNAME	UNT	TXT	SI	QV	SE	CY	CH	EP	CB	GM	A1	A2	IN	PY	CP	SP	CC	NC	M1	M2
F																								
	3.05			CASING																				
3.05	6	2.95	38	DCIT TUFF		MG	5	5	35	5	1						60	8						
6.00	9	3.00	47	DCIT TUFF		MG	3	5	30	8	1						55	12						
9.00	12	3.00	47	DCIT TUFF		MG	1	3	25	3	1						40	10						
12.00	15	3.00	55	DCIT TUFF		MG	5	5	25	2							40	10						
15.00	18	3.00	49	DCIT TUFF		MG	3	2	20	2							35	10	.2					
18.00	21	3.00	55	DCIT TUFF		MG	5	5	15	2		.5					35	15	.1					
21.00	24	3.00	35	DCIT TUFF		MG	5	10	30	1	2						55	10	.2					
24.00	27	3.00	44	DCIT TUFF		MG	5	8	25	3	1						50	10			.2			
27.00	30	3.00	50	DCIT TUFF		MG	5	7	30	5	3						60	8			.1			
30.00	33	3.00	36	DCIT TUFF		MG	10	7	20	7	2						55	15			.1			
33.00	36	3.00	33	DCIT TUFF		MG	5	3	15	7	1						40	10			.1			
36.00	39	3.00	25	DCIT TUFF		MG	5	3	20	7	3						45	7						
39.00	42	3.00	56	DCIT TUFF		MG	3	2	25	3	5	.5					45	7						
42.00	45	3.00	45	DCIT TUFF		MG	18	8	25	5	2	.5					60	10	.1		.2			
45.00	48	3.00	43	DCIT TUFF		MG	8	5	20	2	1						40	8			.3			
48.00	51	3.00	39	DCIT TUFF		MG	10	5	20	5	2	.5					45	15			.2			
51.00	54	3.00	41	DCIT TUFF		MG	5	3	20	2	1						40	7						
54.00	56	2.00	53	DCIT TUFF		MG	5	2	20	2	2	1					40	7						
56.00	58	2.00	47	DCIT TUFF		MG	7	5	30	5	5	1					55	10			.2			
58.00	60	2.00	33	FAULT ZONE		SHRD	7	8	40	5	2	1					70	12			.5			
60.00	61.5	1.50	11	FAULT ZONE		SHRD	3	2	45	7							70	8			.2			
61.50	64	2.50	44	DCIT TUFF		F.MG	8	15	40	5		1					85	10			.2			
64.00	67	3.00	40	DCIT TUFF		F.MG	5	8	40	1		1					75	8			.3			
67.00	70	3.00	30	DCIT TUFF		F.MG	8	20	40	1		1					90	8	.1		.5			
70.00	73	3.00	46	DCIT TUFF		F.MG	10	20	50	1							95	8	.5		.5			
73.00	76	3.00	45	DCIT TUFF		F.MG	7	10	55	1							90	8	.2		.5			
76.00	79	3.00	52	DCIT TUFF		F.MG	5	10	60		2						90	7	.1		.3			
79.00	82	3.00	26	DCIT TUFF		F.MG	12	20	45	1	2						95	9	.2		1			
82.00	84	2.00	50	DCIT TUFF		F.MG	5	5	60	1	3						90	8	.1		.5			
84.00	85.5	1.50	34	DCIT TUFF		F.MG	25	5	50	1							95	15	.1		.3			
85.50	88	2.50	25	FAULT ZONE		SHRD	15	10	45	5	3						100	12			.8			
88.00	91	3.00	25	FAULT ZONE		SHRD	8	3	65	8							100	7			1			
91.00	94	3.00	26	FAULT ZONE		SHRD	7	2	65	8							100	4			.3			
94.00	97	3.00	25	FAULT ZONE		SHRD	5	2	65	2							100	5			.8			
97.00	100	3.00	17	FAULT ZONE		SHRD	5	2	65	1							100	8	.2		.8			
100.00	103	3.00	16	FAULT ZONE		SHRD	5		70								100	12			1			
103.00	106	3.00	17	FAULT ZONE		SHRD	10	2	65	1							100	15	.3		1		.1	
106.00	109	3.00	16	FAULT ZONE		SHRD	5	1	40	2	1						100	12			1.5			
109.00	112	3.00	12	FAULT ZONE		SHRD	5		65	2	2						100	10	.1		.8			
112.00	115	3.00	16	FAULT ZONE		SHRD	7	2		2	2						100	12	.2		.6		.1	
115.00	118	3.00	14	FAULT ZONE		SHRD	7	5	60	1	2						100	15	.1		.3			
118.00	121	3.00	14	FAULT ZONE		SHRD	7	1	55	7	1						95	12	.2		.2			
121.00	124	3.00	14	FAULT ZONE		SHRD	12	3	50	5	1						95	10	.1		.1			
124.00	127	3.00	14	FAULT ZONE		SHRD	8	2	45	8							90	8			.3			
127.00	130	3.00	14	FAULT ZONE		SHRD	8		60	3							95	10	.1		.3			
130.00	133	3.00	14	FAULT ZONE		SHRD	7	5	65	1							95	15			.5			
133.00	136	3.00	11	FAULT ZONE		SHRD	5	2	65	5							95	8			.2			
136.00	139	3.00	11	FAULT ZONE		SHRD	7	2	60	7							95	7			.2			
139.00	142	3.00	16	FAULT ZONE		SHRD	10	5	60	2							95	8	.1		.5			
142.00	145	3.00	18	FAULT ZONE		SHRD	8	3	60	2							95	10	.2		1		.2	
145.00	148	3.00	17	FAULT ZONE		SHRD	10	5	60	2							90	8	.1		.5			

Ref	North	East	RL	Azim	Dip	Length	Category	Remarks
894	10540.59	9545.72	1341.17	0	90	239.88	P-Zone	Vertical hole at K89-3 set-up, test B-zone down dip

FROM	Dist	WDTH	RQ	ROCKNAME	UNT	TXT	SI	QV	SE	CY	CH	EP	CB	GM	A1	A2	IN	PY	CP	SP	CC	NC	M1	M2 F
148.00	151	3.00	16	FAULT ZONE		SHRD	8	5	50	5							95	7	.3		2		.1	
151.00	154	3.00	13	FAULT ZONE		SHRD	10	5	40	5	5						95	8	.3		2		.2	
154.00	157	3.00	13	FAULT ZONE		SHRD	15	5	40	2	3				.5	.1	95	8	.2		1		.2	
157.00	160	3.00	13	FAULT ZONE		SHRD	20	5	30	2	8						95	8	.3		.8			
160.00	163	3.00	13	FAULT ZONE		SHRD	20	5	40	2	7						95	9	.1		1		.1	
163.00	166	3.00	15	FAULT ZONE		SHRD	8	2	40	1	20						95	7			.5		.2	
166.00	169	3.00	15	FAULT ZONE		SHRD	10	2	30	1	30						100	10	.1		.3		.1	
169.00	171	2.00	15	FAULT ZONE		SHRD	15	2	25	1	30						100	10	.1		.8		.2	
171.00	172.7	1.70	15	FAULT ZONE		SHRD	8	1	30	1	35						95	8	.1		.8			
172.70	175	2.30	49	ANDS TUFF		F.MG	5	10	20	1	25				15		80	10			.2			
175.00	178	3.00	55	ANDS TUFF		F.MG	3	8	15	1	20				10		65	9	.1		.1			
178.00	181	3.00	57	ANDS TUFF		F.MG	7	8	20		20				8		75	12	.1		.1			
181.00	184	3.00	57	ANDS TUFF		F.MG	15	10	15		20				5		75	8	.3		.1			
184.00	187	3.00	57	ANDS TUFF		F.MG	15	5	15		15				5		70	8	.3		.2			
187.00	190	3.00	55	ANDS TUFF		F.MG	5	15	25		15				1		70	7	.2		.2			
190.00	193	3.00	54	ANDS TUFF		F.MG	15	5	25		20				5		75	7	.4		.1			
193.00	196	3.00	62	ANDS TUFF		F.MG	25	10	15		15				3		75	9	.2		.1			
196.00	199	3.00	60	ANDS TUFF		F.MG	20	5	20		15				2		70	7	.5		.2			
199.00	202	3.00	62	ANDS TUFF		F.MG	15	5	20		10				2		60	5	.3		.2			
202.00	205	3.00	56	ANDS TUFF		F.MG	12	8	15		20				1		65	6	.1		.1			
205.00	208	3.00	58	ANDS TUFF		F.MG	10	7	20		25				1		70	8	.1		.1			
208.00	211	3.00	56	ANDS TUFF		F.MG	7	5	15		30				1		65	6			.2			
211.00	214	3.00	64	ANDS TUFF		F.MG	15	7	8		30				2		60	7			.1			
214.00	217	3.00	60	ANDS TUFF		F.MG	15	8	7	1	30				1		60	7			.1			
217.00	220	3.00	63	ANDS TUFF		F.MG	15	10	8		20				1		60	5						
220.00	223	3.00	63	ANDS TUFF		F.MG	30	5	8		15						70	6	.1		.4		.1	
223.00	226	3.00	61	ANDS TUFF		F.MG	20	5	10		20				1		65	7	.1					
226.00	229	3.00	63	ANDS TUFF		F.MG	20	7	15		20						65	5	.1		.1			
229.00	232	3.00	65	ANDS TUFF		F.MG	40		15		15						95	6	.5		.2			
232.00	235	3.00	62	ANDS TUFF		F.MG	60	3	10		5				3		100	6	.7		.2			
235.00	238	3.00	62	ANDS TUFF		F.MG	60		10		7				6		100	6	.3		.2			
238.00	239.88	1.88	61	ANDS TUFF		F.MG	40		7		12				7		100	10	.5		.1			

VANGEOCHEM LAB LIMITED

1988 Triumph Street, Vancouver, B.C. V5L 1K5
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Pd, Pt, Sn, Sr and W.

ANALYST:

REPORT #: 890363 PA | WESTERN CANADIAN | Proj: 9101 | Date In: 89/07/24 | Date Out:89/07/28 | Att: |

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sn ppm	Sr ppm	U ppm	W ppm	Zn ppm
13249	1.1	0.30	341	8	<3	0.09	1.1	28	90	1125	7.93	0.25	0.06	15	22	0.02	22	0.10	40	<2	3	49	<5	<3	80
13250	1.1	0.29	133	6	<3	0.15	1.5	27	66	931	9.17	1.08	0.07	14	18	0.02	27	0.15	42	<2	3	32	<5	<3	34
13251	1.0	0.27	144	7	<3	0.23	1.5	35	48	836	8.82	0.29	0.07	12	26	0.02	27	0.18	72	<2	4	47	<5	<3	36
13252	1.4	0.37	47	10	<3	0.17	1.4	32	64	1300	7.44	1.03	0.11	16	40	0.01	27	0.15	28	<2	3	22	<5	<3	22
13253	5.1	0.31	115	5	3	0.17	2.4	62	73	3790	>10.00	1.11	0.11	15	77	0.02	30	0.14	41	<2	4	22	<5	<3	50
13254	4.9	0.27	44	12	<3	0.15	1.4	38	60	2827	8.03	0.26	0.07	17	60	0.02	33	0.12	37	<2	3	14	<5	<3	17
13255	0.5	0.38	33	19	<3	0.21	1.1	38	57	857	6.94	1.02	0.17	58	28	0.01	26	0.14	28	<2	3	10	<5	<3	21
13256	0.6	0.59	54	10	3	1.03	2.1	43	31	1614	9.37	0.43	1.06	959	52	0.02	31	0.15	40	<2	4	33	<5	<3	54
13257	1.1	0.52	64	7	3	0.88	1.5	23	55	1995	8.85	1.18	0.75	740	22	0.02	19	0.22	47	<2	3	38	<5	<3	50
13258	0.6	0.45	54	8	<3	0.42	1.4	38	50	2497	8.34	1.09	0.36	307	43	0.02	28	0.18	35	<2	3	18	<5	<3	35
13259	0.5	0.41	34	14	<3	0.31	1.2	36	52	1187	7.12	1.04	0.25	225	12	0.02	31	0.16	31	<2	3	12	<5	<3	36
13260	0.3	0.36	28	24	<3	0.24	1.1	33	45	1187	6.70	0.23	0.17	129	23	0.01	26	0.15	28	<2	2	8	<5	<3	34
13261	0.5	0.34	33	8	<3	0.23	1.1	31	59	1857	6.92	0.24	0.17	189	38	0.01	24	0.14	45	<2	3	22	<5	<3	29
13262	0.6	0.28	36	6	<3	0.09	1.2	34	62	1834	8.39	1.04	0.06	14	27	0.02	25	0.10	40	<2	3	11	<5	<3	15
13263	0.6	0.33	37	7	<3	0.12	1.2	37	77	2586	7.28	1.01	0.05	30	44	0.02	30	0.12	35	<2	3	19	<5	<3	15
13264	0.2	0.33	48	8	<3	0.13	3.3	35	82	821	9.19	1.07	0.03	17	45	0.02	29	0.16	54	<2	3	14	<5	<3	92
13265	0.5	0.40	41	7	<3	0.20	1.7	45	57	2717	8.73	1.07	0.16	69	24	0.02	31	0.14	30	<2	3	15	<5	<3	31
13266	0.5	1.05	39	7	<3	0.23	1.7	29	68	2274	8.30	1.06	0.73	174	37	0.02	27	0.15	31	<2	3	27	<5	<3	65
13267	0.6	1.11	61	9	<3	0.12	1.4	37	94	2774	7.30	0.24	0.72	59	67	0.02	26	0.24	42	<2	2	152	<5	<3	55
13268	0.5	0.45	42	7	<3	0.04	1.1	34	84	2276	6.39	0.97	0.20	21	79	0.01	25	0.12	32	<2	2	16	<5	<3	21
13269	0.6	0.38	29	12	<3	0.18	1.1	35	77	2427	6.24	0.21	0.12	28	70	0.01	28	0.16	31	<2	2	18	<5	<3	16
13270	0.6	0.40	24	14	<3	0.25	0.7	33	82	2657	5.98	0.99	0.09	27	66	0.01	28	0.20	28	<2	2	19	<5	<3	16
13271	0.7	0.36	27	6	<3	0.12	0.7	29	88	3290	5.62	0.97	0.11	34	38	0.01	19	0.11	34	<2	4	51	<5	<3	20
13272	1.1	0.34	25	7	<3	0.17	0.7	20	78	3443	5.51	0.19	0.11	20	56	0.01	13	0.15	31	<2	2	26	<5	<3	28
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum AuFA = Fire assay/AAS

REPORT #: 890396 PA | WESTERN CANADIAN | Proj: 9101 | Date In: 89/07/31 | Date Out:89/08/02 | Att: B BUTTERWORTH |

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
13273	1.5	0.34	32	9	<3	0.16	1.2	31	80	4036	5.87	0.92	0.08	25	48	0.01	28	0.15	34	<2	3	19	<5	<3	22
13274	1.1	0.32	24	13	<3	0.18	1.1	31	53	3438	6.20	0.88	0.09	23	57	0.01	26	0.16	27	<2	3	14	<5	<3	18
13275	1.0	0.42	27	8	<3	0.17	0.9	25	76	2076	6.75	0.85	0.11	17	32	0.01	23	0.18	34	<2	3	17	<5	<3	17
13276	0.5	0.36	46	10	3	0.19	1.1	20	70	1004	7.31	0.19	0.07	13	30	0.02	19	0.17	29	<2	3	14	<5	<3	13
13277	0.5	0.38	47	9	<3	0.24	1.2	25	69	804	6.92	0.76	0.06	14	26	0.02	12	0.23	35	<2	3	24	<5	<3	12
13278	0.5	0.56	159	9	<3	0.22	0.5	19	89	1662	4.26	0.65	0.14	18	29	0.01	9	0.31	35	<2	2	39	<5	<3	50
13279	0.3	0.72	251	10	<3	0.21	0.1	22	94	1755	3.78	0.09	0.14	17	46	0.01	10	0.46	39	<2	<2	51	<5	<3	52
13280	0.3	0.57	286	6	<3	0.27	0.6	22	83	1401	5.44	0.58	0.12	17	37	0.01	10	0.34	72	<2	2	57	<5	<3	36
13281	0.2	0.71	91	7	<3	0.21	0.9	29	80	2159	5.13	0.52	0.30	30	30	0.01	24	0.21	40	<2	2	45	<5	<3	50
13282	1.0	0.78	258	6	<3	0.23	1.9	24	92	2620	6.09	0.49	0.34	29	48	0.01	26	0.25	98	<2	3	65	<5	<3	135
13283	0.7	0.65	207	6	<3	0.23	1.5	23	78	2468	5.91	0.44	0.19	21	42	0.01	23	0.24	77	<2	3	53	<5	<3	136
13284	0.6	0.60	58	6	3	0.21	1.6	23	108	2811	5.92	0.39	0.25	24	33	0.01	30	0.20	48	<2	2	55	<5	<3	119
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum AuFA = Fire assay/AAS

ANOMALOUS RESULTS:
FURTHER ANALYSES
BY ALTERNATE
METHODS SUGGESTED

1988 Triumph Street, Vancouver, B.C. V5L 1K5
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

30 A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Pb, Pt, Sn, Sr and W.

ANALYST:

REPORT #: 890417 PA | WESTERN CANADIAN MINING | Proj: 9101 | Date In: 89/08/04 | Date Out:89/08/08 | Att: BUTTERWORTH |

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sn ppm	Sr ppm	U ppm	W ppm	Zn ppm
13285	0.1	1.17	25	10	<3	0.21	1.2	19	77	2843	5.02	0.18	0.98	69	30	0.01	26	0.18	39	<2	2	35	<5	<3	135
13286	0.1	0.70	29	11	<3	0.18	0.7	23	91	2968	4.72	0.17	0.36	29	35	0.01	25	0.19	41	<2	2	63	<5	<3	61
13287	0.1	1.96	48	7	3	0.20	1.7	31	108	3203	6.86	0.23	1.96	126	50	0.02	32	0.21	39	<2	2	28	<5	<3	208
13288	0.1	0.54	49	9	<3	0.22	1.2	34	102	2048	6.37	0.22	0.15	23	102	0.02	18	0.21	49	<2	2	28	<5	<3	25
13289	0.1	0.55	244	7	<3	0.20	1.0	37	118	3947	6.46	0.22	0.09	21	76	0.02	28	0.17	34	<2	3	18	<5	<3	82
13290	0.3	0.74	58	7	<3	0.26	1.2	36	84	4537	6.21	0.22	0.40	27	58	0.01	30	0.22	48	<2	2	21	<5	<3	44
13291	0.1	1.07	40	11	<3	0.22	0.9	28	69	4713	4.85	0.17	0.83	49	47	0.01	16	0.20	29	<2	2	18	<5	<3	62
13292	0.1	0.49	26	8	<3	0.17	0.9	32	43	2908	5.50	0.19	0.17	17	48	0.01	15	0.15	44	<2	2	17	<5	<3	20
13293	0.2	0.59	30	7	<3	0.18	1.3	38	82	3734	6.45	0.22	0.15	22	58	0.01	23	0.15	35	<2	3	15	<5	<3	20
13294	0.4	0.80	27	7	<3	0.22	1.4	30	99	6249	6.39	0.22	0.34	30	80	0.01	46	0.18	35	<2	2	21	<5	<3	43
13295	0.1	1.67	15	19	<3	0.23	1.0	13	37	2590	4.64	0.17	1.44	131	33	0.01	11	0.18	28	<2	2	15	<5	<3	156
13296	0.1	0.51	11	17	<3	0.21	0.7	17	46	3294	4.06	0.15	0.25	30	35	0.01	6	0.15	49	<2	<2	13	<5	<3	54
13297	0.2	0.35	35	12	<3	0.17	1.6	19	69	4681	4.72	0.16	0.03	14	111	0.02	8	0.13	119	<2	2	13	<5	<3	361
13298	0.4	0.26	18	10	<3	0.21	1.5	16	20	5654	4.48	0.16	0.02	22	48	0.01	12	0.17	79	<2	2	15	<5	<3	251
13299	0.4	0.80	17	10	<3	0.19	1.1	16	47	6733	4.44	0.16	0.59	63	99	0.01	7	0.15	48	<2	2	17	<5	<3	276
13200	0.4	0.27	13	12	<3	0.23	0.7	16	17	3670	3.57	0.14	0.02	30	42	0.01	9	0.17	57	<2	2	12	<5	<3	112
13302	0.3	0.42	14	9	<3	0.25	1.0	20	43	4465	4.74	0.17	0.10	41	61	0.01	6	0.18	51	<2	2	15	<5	<3	49
13303	0.6	0.41	18	9	<3	0.21	1.0	21	21	3451	4.76	0.17	0.18	34	39	0.01	15	0.16	55	<2	2	13	<5	<3	48
13304	1.2	0.71	26	12	<3	0.25	1.9	15	27	3643	4.04	0.15	0.50	57	55	0.01	4	0.18	108	<2	<2	17	<5	<3	109
13305	0.6	0.91	7	13	<3	0.21	0.6	18	30	3045	3.54	0.13	0.66	64	27	0.01	6	0.16	33	<2	<2	22	<5	<3	88
13306	0.3	1.01	12	15	<3	0.23	0.6	15	47	3639	3.50	0.14	0.82	76	50	0.01	6	0.18	44	<2	<2	17	<5	<3	106
13307	0.3	1.59	18	20	<3	0.25	0.9	14	22	3857	3.67	0.14	1.48	193	34	0.01	12	0.20	28	<2	<2	20	<5	<3	207
13308	0.1	1.26	15	13	<3	0.32	0.8	14	64	2608	3.91	0.16	1.18	251	20	0.01	4	0.18	28	<2	<2	26	<5	<3	166
13309	1.4	0.28	20	10	<3	2.52	0.9	18	19	4827	4.67	0.52	0.28	96	65	0.01	4	0.13	55	<2	2	204	<5	<3	34
13310	0.2	0.78	9	12	<2	2.80	0.5	11	40	3890	3.33	0.53	0.97	355	45	0.01	5	0.13	14	<2	<2	237	<5	<3	82
13311	0.1	0.46	8	12	<3	2.58	0.4	15	16	3405	3.89	0.51	0.56	242	37	0.01	9	0.13	15	<2	2	226	<5	<3	45
13312	1.2	0.20	434	11	<3	2.29	0.5	15	46	4188	5.26	0.51	0.02	14	18	0.01	10	0.14	68	<2	2	221	<5	<3	72
13313	0.3	0.42	261	11	<3	2.53	0.4	15	30	4409	4.26	0.52	0.45	90	19	0.01	8	0.12	46	<2	2	236	<5	<3	77
13314	0.1	0.54	8	14	<3	2.40	0.5	11	44	3638	3.28	0.47	0.73	220	26	0.01	6	0.14	13	<2	<2	216	<5	<3	52
13315	0.4	0.51	12	11	<3	3.03	0.6	17	31	5358	4.05	0.59	0.55	137	54	0.01	29	0.12	31	<2	<2	267	<5	<3	55
13316	0.6	0.53	86	11	<3	2.78	0.6	12	43	5625	4.11	0.55	0.79	253	19	0.01	5	0.10	82	<2	2	258	<5	<3	86
13317	0.6	0.18	129	16	<3	2.90	0.1	11	28	5084	2.45	0.52	0.08	41	26	0.01	3	0.11	42	<2	<2	252	<5	<3	43
13318	0.3	0.38	5	15	<3	2.45	0.4	14	35	3894	3.08	0.47	0.45	143	28	0.01	4	0.13	22	<2	<2	201	<5	<3	36
13319	0.3	0.58	9	14	<3	2.97	0.6	15	40	3945	3.35	0.56	0.67	166	37	0.01	4	0.12	15	<2	<2	249	<5	<3	50
Minimum Detection	0.1	0.01	2	1	3	0.01	0.1	.	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	10.0	2000	1000	20000	10.00	10.00	10.00	2000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

REPORT #: B90417 PA | WESTERN CANADIAN MINING | Proj: 9101 | Date In: 89/08/04 | Date Out:89/08/08 | Att: BUTTERWORTH |

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
13320	0.7	0.43	29	16	<3	3.05	0.4	14	19	3352	3.85	0.58	0.41	80	42	0.01	11	0.13	47	<2	2	267	<5	<3	34
13321	0.3	0.94	10	23	<3	2.48	0.3	13	30	2328	3.12	0.47	1.03	195	26	0.01	4	0.15	14	<2	<2	206	<5	<3	54
13322	0.5	0.90	19	17	<3	2.37	0.5	16	26	4058	4.16	0.49	0.95	130	31	0.01	3	0.14	17	<2	2	204	<5	<3	43
13323	0.4	0.88	11	16	<3	2.48	0.3	13	39	4250	3.18	0.48	0.90	101	102	0.01	4	0.14	13	<2	<2	217	<5	<3	36
13324	0.6	0.79	7	17	<3	2.40	0.5	13	25	5000	3.42	0.47	0.93	143	24	0.01	11	0.14	16	<2	<2	207	<5	<3	35
13325	1.2	0.34	331	13	<3	2.61	0.1	15	89	5988	3.49	0.51	0.38	116	15	0.01	4	0.08	50	<2	2	232	<5	<3	97
13326	0.5	0.57	15	14	<3	2.76	0.6	16	32	4748	3.78	0.54	0.60	162	23	0.01	7	0.12	18	<2	<2	248	<5	<3	47
13327	0.7	0.56	10	15	<3	2.15	0.3	12	32	6492	3.18	0.43	0.50	120	13	0.01	11	0.11	15	<2	<2	198	<5	<3	42
13328	0.9	0.35	12	15	<3	2.24	0.5	13	82	7215	3.48	0.45	0.45	101	10	0.01	4	0.07	19	<2	2	199	<5	<3	32
13329	2.0	0.24	296	16	<3	2.67	0.1	11	70	9202	3.25	0.51	0.29	84	10	0.01	5	0.04	48	<2	2	239	<5	<3	68
13330	1.6	0.23	28	18	<3	2.27	0.5	9	86	9315	3.50	0.45	0.28	66	11	0.01	4	0.04	18	<2	2	207	<5	<3	29
13331	0.8	0.21	312	13	<3	4.52	0.1	14	42	5696	4.09	0.83	0.08	47	16	0.01	3	0.09	23	<2	2	472	<5	<3	24
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000
13199	0.5	0.32	96	5	3	0.16	2.1	29	47	828	9.58	0.27	0.13	19	8	0.01	27	0.16	46	<2	4	35	<5	<3	30

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum AuFA = Fire assay/AAS

ANOMALOUS RESULTS:
FURTHER ANALYSES
BY ALTERNATE
METHODS SUGGESTED

VGC VANGEOCHEM LAB LIMITED

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BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 890396 GA JOB NUMBER: 890396 **WESTERN CANADIAN MINING CORP.**

SAMPLE #	Au ppb
13249	70
13250	550
13251	90
13252	140
13253	290
13254	380
13255	130
13256	230
13257	370
13258	330
13259	180
13260	200
13261	240
13262	130
13263	240
13264	240
13265	290
13266	210
13267	220
13268	210
13269	150
13270	210
13271	190
13272	200
13273	400
13274	520
13275	230
13276	60
13277	70
13278	50
13279	30
13280	60
13281	60
13282	70
13283	70
13284	80

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MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 890417 GA JOB NUMBER: 890417 **WESTERN CANADIAN MINING CORP.**

SAMPLE #	Au ppb
13285	220
13286	160
13287	140
13288	100
13289	160
13290	190
13291	190
13292	110
13293	150
13294	170
13295	170
13296	150
13297	210
13298	210
13299	250
13300	160
13302	230
13303	150
13304	120
13305	180
13306	130
13307	150
13308	200
13309	210
13310	160
13311	160
13312	100
13313	170
13314	370
13315	160
13316	290
13317	130
13318	140
13319	300
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

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RENO, NEVADA, U.S.A.

REPORT NUMBER: B90417 GA JOB NUMBER: B90417 **WESTERN CANADIAN MINING CORP.**

SAMPLE #	Au ppb
13320	140
13321	260
13322	200
13323	190
13324	230
13325	270
13326	210
13327	360
13328	440
13329	410
13330	650
13331	450
13199	90

DETECTION LIMIT 5
nd = none detected -- = not analysed is = insufficient sample

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RENO, NEVADA, U.S.A.

REPORT NUMBER: 890396B AB JOB NUMBER: 890396B **WESTERN CANADIAN MINING CORP.**

SAMPLE #	Cu %
13249	.14
13250	.11
13251	.10
13252	.15
13253	.42
13254	.32
13255	.10
13256	.18
13257	.22
13258	.27
13259	.14
13260	.14
13261	.22
13262	.22
13263	.30
13264	.10
13265	.30
13266	.26
13267	.30
13268	.26
DETECTION LIMIT	.01

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

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MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

SAMPLE #	Cu %
13269	.29
13270	.31
13271	.37
13272	.40
13273	.47
13274	.40
13275	.24
13276	.12
13277	.10
13278	.20
13279	.20
13280	.17
13281	.26
13282	.30
13283	.29
13284	.32

DETECTION LIMIT .01

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

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MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 890417 AA JOB NUMBER: 890417 **WESTERN CANADIAN MINING CORP.**

SAMPLE #	Cu %
13285	.31
13286	.36
13287	.34
13288	.23
13289	.44
13290	.49
13291	.51
13292	.32
13293	.41
13294	.67
13295	.28
13296	.38
13297	.49
13298	.57
13299	.72
13300	.41
13302	.45
13303	.38
13304	.38
13305	.32
DETECTION LIMIT	.01

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

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MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

SAMPLE #	Cu %
13306	.40
13307	.42
13308	.29
13309	.52
13310	.43
13311	.38
13312	.46
13313	.48
13314	.41
13315	.58
13316	.65
13317	.61
13318	.47
13319	.49
13320	.39
13321	.28
13322	.47
13323	.49
13324	.51
13325	.67
DETECTION LIMIT	.01

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

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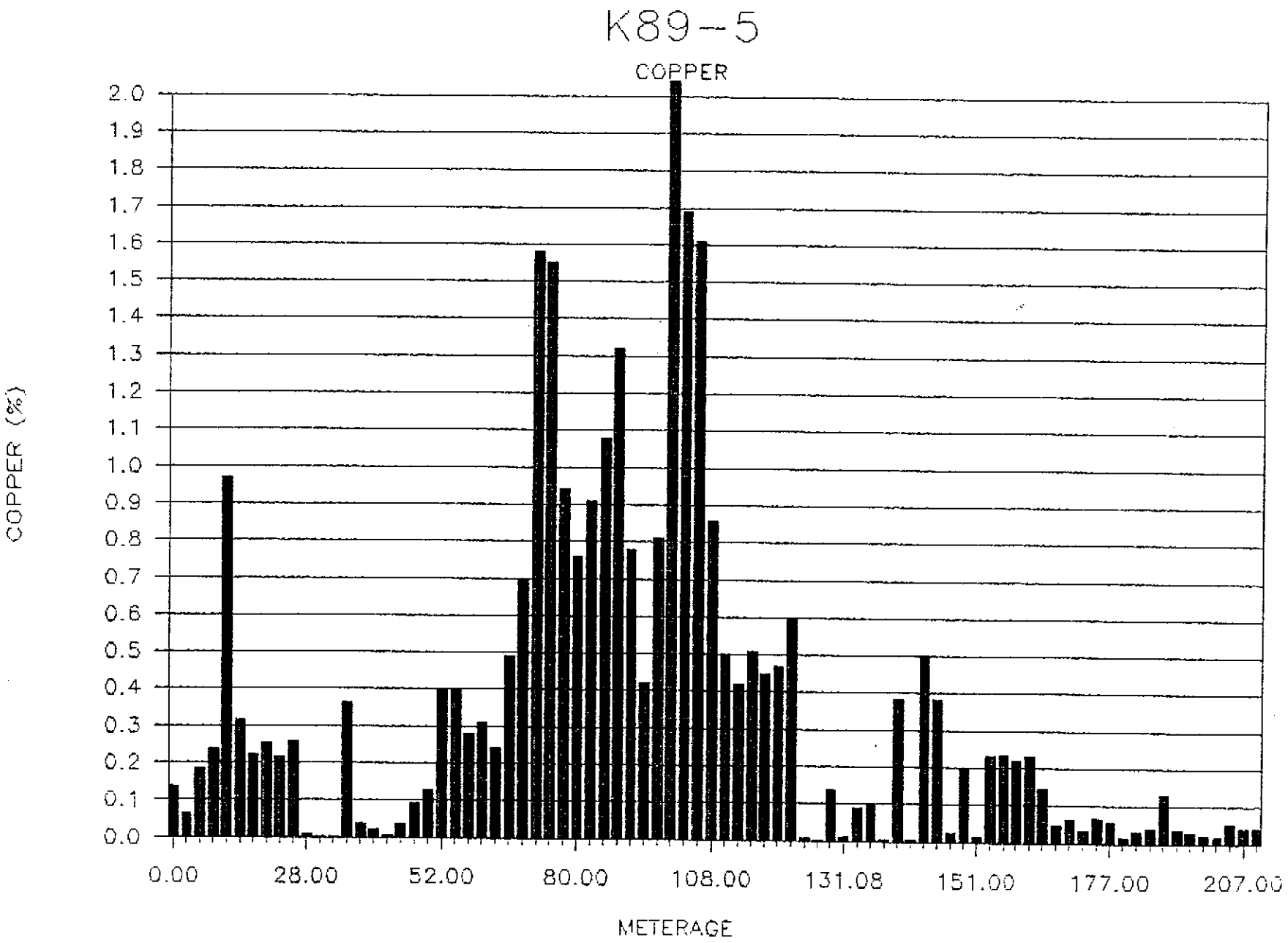
RENO, NEVADA, U.S.A.

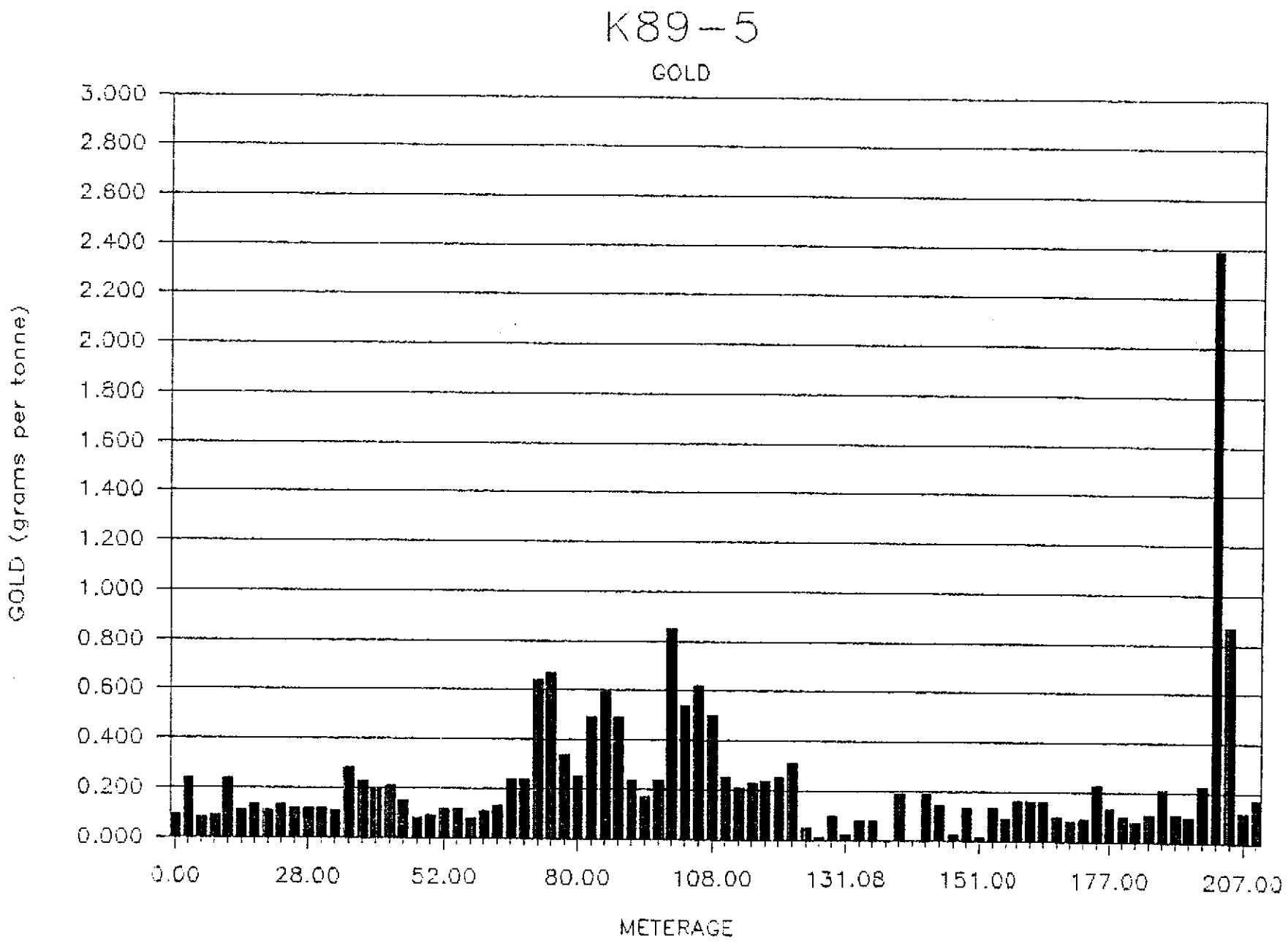
SAMPLE #	Cu %
13326	.50
13327	.71
13328	.80
13329	1.01
13330	1.04
13331	.60

DETECTION LIMIT .01

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: Raymond G.


K89-5
COPPER
COPPER (%)
2.0
1.9
1.8
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
0.00
28.00
52.00
80.00
108.00
131.08
151.00
177.00
207.00
METERAGE


K89-5
GOLD
3.000
2.800
2.600
2.400
2.200
2.000
1.800
1.600
1.400
1.200
1.000
0.800
0.600
0.400
0.200
0.000
GOLD (grams per tonne)
0.00
28.00
52.00
80.00
108.00
131.08
151.00
177.00
207.00
METERAGE

D.D. HOLE No. K-89-5

Location	P-ZONE	Collar Northing	10359.38 m
Date Started	July 30, 1989	Easting	9624.29 m
Date Completed	August 1, 1989	Elevation	1426.99 m
Core Recovery	79.06 %	Azimuth	090 Dip - 60 deg
Drilled By	J.T.Thomas Drilling	Length	214.88 m
Logged By	S.G. Casselman	Hor. Proj.	105.81 m
Objective	Test B-zone fault drilling east near holes K88-16,17	Vert. Proj.	187.02 m
		Core Size	BDBGM (thin-wall BQ)

METRES From	METRES To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au ppb	Ag ppm	Cu ppm	Cu %
0.00	9.14	OVERBURDEN	N/S								
9.14	12.24	DACITIC VOLCANICS - fine to medium grained, light to medium grey-green, fairly competent, average piece 20 cm long - intensely sericitized (approx. 65 %) - mottled dark green spots (possibly chlorite), very faint -original volcanic texture is difficult to distinguish, virtually irradicated - slightly schistose at 50 deg to C.A. - fractures at 5 to 55 deg to C.A. - 5 % pyrite as fine disseminations and 2 mm veins - traces of chalcocite on fractures associated with pyrite veins - S.G. at 10.00 m = 2.78 g/cc	13332	9.14	12.24	3.10	52.00	90	0.3	1355	
12.24	13.76	RUBBLE ZONE (DACITIC VOLCANICS) - intensely factured dacitic volcanics as described above - fractured into pieces 1 to 10 cm long - factured at 35 deg to C.A. - intensely limonitic, very soft with clay on fracture surfaces - possibly a splay off of the B-zone fault - contains 5 % disseminated pyrite and traces of chalcocite on fractures	13333	12.24	13.76	1.55	102.00	240	0.1	623	
13.76	17.10	DACITIC VOLCANICS - identical to volcanics described in interval 9.14 to 12.24 m	13334	13.76	15.50	1.70	98.00	80	0.1	1845	
			13335	15.50	17.10	1.43	89.00	90	0.4	2369	

METRES From	METRES To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au ppb	Ag ppm	Cu ppm	Cu %
		- slightly better developed foliation at 40 deg to C.A - traces of chalcopyrite and chalcocite									
17.10	19.28	RUBBLE ZONE (DACITIC VOLCVANICS) - light grey color - well developed foliation at 40 deg to C.A. - intensely sericitized (70 %), with occassional silicified patches (15%) - some sericitic gouge (5%) and limonitic clay (3%) - at the start of the fault there is a 10 cm massive pyrite, chalcopyrite vein with some quartz - traces of chalcopyrite and chalcocite throughout - possibly splay off of the B-zone fault - weathering continues through interval - contacts at 55 deg to C.A.	13336	17.10	19.28	1.90	87.00	240	6.9	9689	
19.28	25.91	DACITIC VOLCANICS - same as intervals 9.14 to 12.24 m and 13.76 to 17.10 m - foliated, intensely sericitized, weakly silicified, with limonitic clay on fracture surfaces - 5 to 7% cloudy white to grey quartz veins with 3 % powdery white clay or calcite in the quartz veins - foliated and fractured at 40 deg to C.A. - average piece 20 cm long - 4 to 8 % pyrite as fine disseminations, wispy stringers, and up to 0.5 cm wide veins paralleling foliation - 0.2 % chalcopyrite towards the bottom of the interval (ie. just detectable) - 0.2 to 0.3 % chalcocite throughout - chalcocite appears as grey to blue sooty coating on fracture planes and on other sulphide grains - S.G. at 20.00 m = 2.78 g/cc	13337	19.28	22.00	2.55	94.00	110	0.6	3743	
			13338	22.00	25.00	2.67	89.00	130	0.3	2237	
			13339	25.00	25.91	0.91	100.00	110	0.3	2527	

METRES From	METRES To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au ppb	Ag ppm	Cu ppm	Cu %
25.91	38.40	RUBBLE ZONE (SERICITE SCHIST) - fractured and intensely sheared dacitic volcanics - foliation is wavy and contorted in places, but is generally at 30 deg to C.A - fractures are at 30 to 70 deg to C.A. - from 25.91 to 30.5 m average piece is 5 to 10 cm long - fairly competent, with 7 % pyrite, up to 0.3 % chalcocite and traces of chalcopyrite - recognizable as faulted (fractured and sheared) dacite dacite tuff - from 30.5 to 38.4 m and 38.71 to 53.85m have <1 cm wide "chips" of quartz sericite schist - through this zone the core is intensely sheared and fractured and appears very bleached - light grey to white to beige color - many of the sulphides are leached out of this zone and only casts of former pyrite grains are visible in quartz veins - < 1 % pyrite remains and no copper sulphide mineralization is visible between 30.5 and 38.4 m - below the dyke, sulphide content increases slightly to 3 to 4 % pyrite and chalcocite becomes noticable at 44.0 to 53.85 m - S.G. at 30.00 m = 2.77 g/cc	13340	25.91	28.00	1.98	95.00	130	0.3	2143	
			13341	28.00	31.00	1.96	65.00	120	0.5	2567	
			13342	31.00	34.00	2.20	73.00	120	0.1	90	
			13343	34.00	37.00	.68	23.00	120	0.1	19	
			13344	37.00	38.40	.90	64.00	110	0.1	17	
38.40	38.71	ANDESITE DYKE - dark green, very fine-grained - fractured in pieces 3 cm to 8 cm wide - slightly sheared on fracture planes, which are coated with limonitic clay - 40 % chloritic alteration - 5 % fine-grained pyrite - no copper sulphide mineralization observed - sharp contacts at about 40 deg to C.A. - very distinct unit	13345	38.40	38.71	0.27	87.00	280	1.1	3639	

METRES From	METRES To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au ppb	Ag ppm	Cu ppm	Cu %
38.71	53.85	RUBBLE ZONE (QUARTZ SERICITE SCHIST) - as described in section 25.91 to 38.40 m - intensely fractured, altered, quartz sericite chips, which are bleached and leached of most sulphides - up to 4 % pyrite remains and towards the bottom of the section chalcocite content increases to 0.5 % - lower contact is distinct rock type ; changes from light grey, silicified, sericitized schist to medium to dark green, chloritized (30 to 40 %) intensely sheared and foliated plagioclase porphyry - S.G. at 40.00 m = 2.29 g/cc 50.00 m = 2.21 g/cc - average S.G = 2.25 g/cc	13346	38.71	41.00	0.70	31.00	230	1.3	377	
			13347	41.00	44.00	1.00	33.00	200	1.0	208	
			13348	44.00	47.00	1.44	48.00	210	5.2	46	
			13349	47.00	50.00	1.14	38.00	150	1.9	354	
			13350	50.00	52.00	0.54	27.00	80	0.1	923	
			13351	52.00	53.85	0.47	25.00	90	0.4	1263	
53.85	108.00	FAULT ZONE (SHEARED PLAGIOCLASE PORPHYRY) - medium to dark green with elongated white phenocrysts of plagioclase - intensely sheared at about 20 deg to C.A. - original porphyritic texture is obvious in places - as fractured as overlying quartz-sericite schist; < 1 cm chips - plagioclase crystals, where observed, are drawn out along foliation planes, and altered to white clay and sericite - matrix is very fine-grained to aphanitic and pervasively chloritized - section contains up to 8 % medium-grained, euhedral, disseminated pyrite - contains up to 0.5 % dark grey to black to slighty blueish chalcocite as a coating on slip planes and on other sulphide grains - intensely silicified from 74.0 to 80.0 m (20 to 45 % Si) with 0.2 to 0.5 % chalcopyrite, 1 to 1.5 % chalcocite, and 0.2 to 0.3 % covelite - 89.0 to 92.5 m contains 15 to 30 % silicification with 1 % chalcocite and traces of chalcopyrite and covelite	13352	53.85	56.00	1.00	47.00	120	0.5	3204	0.40
			13353	56.00	59.00	0.90	30.00	120	0.5	3292	0.40
			13354	59.00	62.00	1.79	60.00	80	0.1	2157	0.28
			13355	62.00	65.00	1.60	53.00	110	0.5	2445	0.31
			13356	65.00	68.00	1.83	61.00	130	0.1	1895	0.24
			13357	68.00	71.00	1.86	62.00	240	0.9	4007	0.49
			13358	71.00	74.00	1.64	55.00	240	0.9	5948	0.70
			13359	74.00	77.00	2.10	70.00	640	1.7	12362	1.58
			13360	77.00	80.00	1.40	47.00	670	1.9	12334	1.55
			13361	80.00	83.00	1.33	44.00	340	1.9	8426	0.94
			13362	83.00	86.00	2.52	84.00	250	0.9	6530	0.76
			13363	86.00	89.00	2.75	92.00	490	1.1	7796	0.91
			13364	89.00	92.00	3.00	100.00	590	1.1	10322	1.08
			13365	92.00	95.00	2.92	97.00	490	1.7	10462	1.32
			13366	95.00	98.00	2.14	71.00	240	1.1	7027	0.78
			13367	98.00	101.00	2.65	88.00	170	0.5	3574	0.42
			13368	101.00	104.00	2.44	81.00	240	0.9	6769	0.81
			13369	104.00	105.00	0.70	70.00	850	2.3	18509	2.26
			13370	105.00	108.00	0.67	22.00	540	2.0	12940	1.69

METRES From	To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au ppb	Ag ppm	Cu ppm	Cu %
		- 104.0 to 108.0 m contains 12 to 40 % silicification, 0.6 to 1 % chalcocite, up to 0.3 % chalcopyrite and traces of covelite - lower contact and fault boundary is gradational, core becomes competent, average piece 10 to 20 cm long and intensely silicified - S.G. at 60.00 m = 2.60 g/cc 70.00 m = 2.65 g/cc 80.00 m = 2.93 g/cc 90.00 m = 2.83 g/cc 100.00 m = 2.76 g/cc - average S.G. = 2.75 g/cc									
108.00	111.50	SILICA SULPHIDE STOCKWORK - intensely silicified dacitic volcanics? - contains up to 50 % silica - interval within fault zone which is quite competent - medium grey overall color with cloudy white to grey vuggy silicified zones and quartz veins - moderately sericitized (15 to 20 %) and weakly foliated - up to 3 % chlorite as faint thin wisps - contains 15 % medium to coarse-grained euhedral, disseminated pyrite and fine-grained stringers and blebs of pyrite - up to 2 % chalcocite as a dark blueish-grey coating on fracture surfaces, also coating other sulphide grains and as a filling in thin blue colored micro fractures within the silica stockwork - traces to 0.5 % chalcopyrite - similar style of mineralization to that observed in hole K88-18 - fractures at 45 deg to C.A. - S.G. at 110.00 m = 2.84 g/cc	13371	108.00	109.70	1.33	78.00	620	1.9	12634	1.61
			13372	109.70	111.50	1.80	100.00	500	1.1	7605	0.86
111.50	122.60	RUBBLE ZONE(SHEARED PLAGIOCLASE PORPHYRY) - as in section 53.85 to 108.0 m - intetnsely sheared, average piece < 2mm long - moderately silicified - contains 6 to 9 % pyrite as coarse disseminations and 1 to 5 mm veinlets	13373	111.50	114.00	2.17	87.00	250	0.5	4207	0.50
			13374	114.00	117.00	2.55	85.00	210	0.5	3670	0.42
			13375	117.00	120.00	2.40	80.00	230	1.1	4351	0.51
			13376	120.00	122.60	2.37	91.00	240	0.6	3775	0.45

METRES From	METRES To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au ppb	Ag ppm	Cu ppm	Cu %
		- contains 0.2 to 0.5 % grey chalcocite on fracture surfaces and traces of covelite - fractured at 45 deg to C.A - S.G. at 120.00 m = 2.65 g/cc									
122.60	127.70	DACITIC VOLCANICS - competent section of core nearing contact with dyke - intensely sericitized (45 %) and stockwork silicified (15 to 20 %) - relic volcanic texture is faint - wiped out by alteration - silicification occurs as 1 to 5 cm cloudy white to grey bands or pervasive patchy stockwork silicification - silica bands generally contain 3 to 10 % pyrite and up to 0.5 % chalcocite as a coating on fracture surfaces and filling microfractures throughout silica bands - rare visible chalcopyrite - only traces - sericite and pyrite veins define schistose fabric at 53 deg to C.A. - 5 to 7 % light green, wispy, thin (<1mm) stringers throughout, but generally bordering silica bands - contains 15 % pyrite, traces of chalcopyrite and 0.3 to 0.4 % chalcocite	13377 13378	122.60 125.00	125.00 127.70	2.37 2.73	99.00 101.00	250 310	1.3 1.3	3939 5282	0.47 0.60
127.70	131.08	PLAGIOCLASE PORPHYRY DYKE - medium to dark green with cloudy white to grey plagioclase crystals up to 1 mm by 4 mm - fine-grained to aphanitic green, chloritized matrix with 15 % plagioclase phenocrysts and up to 10 % chloritized hornblende phenocrysts (1 to 2 mm long) - 15 % cloudy white quartz - calcite veins from 3 mm to 20 cm wide - quartz - carbonate veins contain up to 15 % chlorite as irregular wisps within vein or mostly as borders along veins - phenocrysts are slightly drawn out or sheared at 25 deg to C.A. - contacts at 50 deg to C.A., marked by a 10 cm to 20 cm, bleached chill margin	13379 13380	127.70 129.50	129.50 131.08	1.74 1.50	97.00 95.00	50 10	0.1 0.1	70 25	

METRES From	METRES To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au ppb	Ag ppm	Cu ppm	Cu %
		- contains < 2 % very fine-grained disseminated pyrite - no visible copper sulphide mineralization - S.G. at 130.00 m = 2.76 g/cc									
131.08	133.50	DACITIC VOLCANICS - as in section 122.6 to 127.7 m - small interval of sericitized and silicified dacitic volcanics (lapilli tuff) between plagioclase porphyry and andesite dykes - contains 10 % light green wisps along foliation, which in places is wavy and contorted	13381	131.08	133.50	1.25	0.52	100	0.1	1343	
133.50	134.15	PLAGIOCLASE PORPHYRY ANDESITIC DYKE - as in section 127.7 to 131.08 m - contacts at 75 deg to C.A. - medium green color - partially sericitized and chloritized - traces of pyrite - no visible copper mineralization	13382	133.50	134.15	0.65	100.00	20	0.1	113	
134.15	138.65	DACITIC VOLCANICS (LAPILLI TUFF) - as in section 131.08 to 133.50 m - moderately silicified, strongly sericitized, weakly chloritized - weak to strong foliation in places, at 45 deg to C.A. - 12 % pyrite and traces of chalcopyrite and chalcocite	13383 13384	134.15 137.00	137.00 138.65	2.84 1.10	100.00 67.00	80 80	0.4 0.4	880 1009	
138.65	140.35	PLAGIOCLASE PORPHYRY DYKE - as in 127.7 to 131.08 m and 133.5 to 134.15 m - 8 % quartz - calcite veining - < 1 % pyrite, no visible copper mineralization - S.G. at 140.00 m = 2.72 g/cc	13385	138.65	140.35	1.60	94.00	N/D	0.1	35	
140.35	142.00	SILICA PYRITE STOCKWORK - intensely silicified and pyritized - 45 % silica, 25 % pyrite - 15 % pyrite, traces of chalcopyrite and chalcocite	13386	140.35	142.00	1.74	105.00	190	1.1	3823	

METRES From	METRES To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au ppb	Ag ppm	Cu ppm	Cu %
		- similar to silica stockwork in K88-18 but less visible copper sulphide mineralization - at the top of the section is 10 to 15 % of a wispy ocre to green mineral (ankerite?)									
142.00	144.35	PLAGIOCLASE PORPHYRY DYKE - as in above dykes - contacts at 70 deg to C.A. - < 1 % pyrite, no visible copper mineralization - chilled upper and lower contacts	13387	142.00	144.35	2.32	99.00	N/D	0.2	48
144.35	149.2	SILICA STOCKWORK - as in section 140.35 to 142.00 m - 30 % stockwork silicification, as cloudy, white to grey, with 10 to 15 % fine-grained wisps and blebs of pyrite - up to 8 % chalcopyrite occurs as blebs in pyrite veins - traces of chalcocite on fracture surfaces as a grey coating - intensely sericitized (30 to 40 %) - sericitic bands define foliation at 40 deg to C.A.	13388 13389	144.35 147.00	147.00 149.20	2.28 2.22	86.00 101.00	190 140	1.6 0.6	5032 3829
149.20	151.00	BASALT DYKE - fine-grained to aphanitic, dark green with 1 to 5 mm white calcite filled amygdules - slightly magnetic - relatively unaltered, slightly chloritized - upper and lower contacts have a 1 cm bleached chill margin, both of which are at 50 deg to C.A. - very little sulphide mineralization (< 1 %) - S.G. at 150.00 m = 2.72 g/cc	13390	149.20	151.00	1.64	91.00	20	1.2	241
151.00	153.15	DACITE TUFF - medium grey, sericitized, slightly foliated at 55 deg to C.A. - 40 % sericite, 10 % silicification - 4 % pyrite as fine disseminations - 0.3 % chalcocite on fracture surfaces	13391	151.00	153.15	2.06	96.00	130	0.5	1968

METRES From	To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au ppb	Ag ppm	Cu ppm	Cu %
153.15	153.50	BASALT DYKE - as in 149.2 to 151.0 m - contacts at 40 deg to C.A. - no sulphide mineralization	13392	153.15	153.50	0.30	86.00	10	1.1	158	
153.50	214.88	DACITE TUFF - tan volcanic unit (footwall volcanic) - light grey to light green to tan colored - from upper contact, 153.5 m, to 160.0 m core is quite fractured, average piece is 2 to 15 cm long - beyond this point (160.0 to 214.88 m) core is very competent, average piece is 20 to 50 cm long - core is fractured at 30 deg to C.A. - slight foliation parallel to bedding at 50 deg to C.A. - unit is fairly sericitized (30 %) and silicified (7 to 35 %) - from 162.0 to 168.0 m and 174.0 to 180.0 m tuff is intensely silicified (20 to 35 %), with 12 to 15 % coarse euhedral pyrite - from 165.0 to end of hole begin to get a medium green patchy micaceous mineral believed to be mariposite (up to 8 %) - unit contains up to 5 % calcite, and weak wispy chlorite, and possibly epidote as green patches scattered throughout interval - 5 % quartz - calcite veins - 8 to 30 % pyrite as coarse disseminations and massive bands up to 10 to 20 cm wide, also as wispy stringers paralleling foliation - only visible copper sulphide mineralization is traces of chalcocite in fractured rock at the top of the interval - S.G. at 160.00 m = 2.96 g/cc 170.00 m = 2.92 g/cc 180.00 m = 3.04 g/cc 190.00 m = 2.97 g/cc 200.00 m = 2.97 g/cc 210.00 m = 3.07 g/cc - average S.G. = 2.99 g/cc DIP TEST (corrected) at 214.88 m - 61 deg HOLE SHUT DOWN - LACK OF VISIBLE COPPER MINERALIZATION	13393	153.50	156.00	2.20	88.00	130	1.1	2316	
			13394	156.00	159.00	2.18	73.00	90	0.6	2354	
			13395	159.00	162.00	3.12	104.00	160	1.1	2202	
			13396	162.00	165.00	2.91	97.00	160	1.1	2316	
			13397	165.00	168.00	2.94	98.00	160	0.1	1457	
			13398	168.00	171.00	2.85	95.00	100	0.4	450	
			13399	171.00	174.00	2.91	97.00	80	0.1	633	
			13400	174.00	177.00	3.93	98.00	90	0.4	328	
			13401	177.00	180.00	2.94	98.00	230	0.5	636	
			13402	180.00	183.00	2.80	93.00	130	0.5	560	
			13403	183.00	186.00	2.83	94.00	100	0.5	137	
			13404	186.00	189.00	2.90	97.00	80	0.5	310	
			13405	189.00	192.00	3.07	102.00	110	0.5	400	
			13406	192.00	195.00	2.94	98.00	210	1.1	1284	
			13407	195.00	198.00	2.78	93.00	110	0.2	382	
			13408	198.00	201.00	2.90	97.00	100	0.1	313	
			13409	201.00	204.00	2.98	99.00	220	1.1	207	
			13410	204.00	207.00	2.95	98.00	2390	1.1	180	
			13411	207.00	210.00	2.93	98.00	870	0.3	536	
			13412	210.00	213.00	2.95	98.00	120	0.2	419	
			13413	213.00	214.88	1.86	99.00	170	0.5	416	

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Ref	North	East	RL	Azim	Dip	Length	Category	Remarks	
895	10359.38	9624.29	1426.99	090	60	214.88	F zone	Drilled east at F zone near holes K88 16,17	#HOLE

FROM	Dist	WDTH	RQ	ROCKNAME	UNT	TXT	SI	QV	SE	CY	CH	EP	CB	GM	A1	A2	IN	PY	CP	GP	CC	NC	M1	M2
F																								
	9.14			OVERBURDEN																				
9.14	12.24	3.10	38	DCIT VOLC		F.MG	2	2	65	5	5						85	5			.1			
12.24	13.76	1.52	14	FAULT ZONE		SHRD	4	1	70	10							95	5			.2			
13.76	15.5	1.74	36	DCIT VOLC		F.MG		3	65	3	3						85	6	.1		.1			
15.50	17.1	1.60	43	DCIT VOLC		F.MG	3	4	65	3	3						85	7	.1		.2			
17.10	19.28	2.18	26	FAULT ZONE		SHRD	5	3	70	3	1						95	12	.5		.3			
19.28	22	2.72	40	DCIT VOLC		F.MG	3	5	60	3	2		1				85	8		.1	.2			
22.00	25	3.00	29	DCIT VOLC		F.MG	4	6	60	5	1		3				85	6	.2		.3			
25.00	25.91	0.91	27	DCIT VOLC		F.MG	5	7	65	5			3				90	4	.3		.3			
25.91	28	2.09	13	FAULT ZONE		SHRD	2	4	70	3							95	7			.3			
28.00	31	3.00	13	FAULT ZONE		SHRD	3	5	65	2							95	7	.1		.3			
31.00	34	3.00	14	FAULT ZONE		SHRD	7	5	70	2							100	2			.1			
34.00	37	3.00	16	FAULT ZONE		SHRD	1	1	75	8							100	.5						
37.00	38.4	1.40	15	FAULT ZONE		SHRD	1	1	80	8							100	.5						
38.40	38.71	0.31	36	ANDS DYKE		FG		5		1	40						50	5						
38.71	41	2.29	15	FAULT ZONE		SHRD	3	2	80	5	3						100	3			.1			
41.00	44	3.00	16	FAULT ZONE		SHRD	6	5	70	1	2						100	3						
44.00	47	3.00	19	FAULT ZONE		SHRD	6	3	60	5	1						100	3			.2			
47.00	50	3.00	15	FAULT ZONE		SHRD	3	3	65	1							100	4	.1	.1	.3			
50.00	52	2.00	16	FAULT ZONE		SHRD	1	2	65	1							100	4			.5			
52.00	53.85	1.85	19	FAULT ZONE		SHRD	3	1	65								100	4			.2			
53.85	56	2.15	24	FLTD PLAG PRPH		SHRD	3	1	30	1	20						60	7			.3			
56.00	59	3.00	24	FLTD PLAG PRPH		SHRD	5	1	20	2	40						70	6		.1	.2			
59.00	62	3.00	24	FLTD PLAG PRPH		SHRD	7	2	25		40						75	8			.2			
62.00	65	3.00	24	FLTD PLAG PRPH		SHRD	3	2	15	1	35						60	8			.2			
65.00	68	3.00	24	FLTD PLAG PRPH		SHRD	2	1	30		30						65	7	.1		.3			
68.00	71	3.00	24	FLTD PLAG PRPH		SHRD	5	2	20		30						65	7	.1	.1	.4			
71.00	74	3.00	24	FLTD PLAG PRPH		SHRD	12		35		10						75	7	.1	.1	.3			
74.00	77	3.00	24	FLTD PLAG PRPH		SHRD	45		5		25						95	9	.5	.2	1.5			
77.00	80	3.00	20	FLTD PLAG PRPH		SHRD	20	5	15	1	35						80	7	.2	.3	1			
80.00	83	3.00	22	FLTD PLAG PRPH		SHRD	12		40		20						95	7	.1	.1	1			
83.00	86	3.00	22	FLTD PLAG PRPH		SHRD	12	1	30		25						90	7	.1	.1	1			
86.00	89	3.00	22	FLTD PLAG PRPH		SHRD	10	1	20		40						85	7		.1	1			
89.00	92	3.00	29	FLTD PLAG PRPH		SHRD	15	8	15		30						85	7			1			
92.00	95	3.00	17	FLTD PLAG PRPH		SHRD	15	3	15		40						80	6	.1		.5			
95.00	98	3.00	24	FLTD PLAG PRPH		SHRD	12	2	15		35						70	5			.8			
98.00	101	3.00	24	FLTD PLAG PRPH		SHRD	6	2	30	2	10						50	5		.1	.5			
101.00	104	3.00	27	FLTD PLAG PRPH		SHRD	12	5	35	5	10						70	5		.1	.6			
104.00	105	1.00	18	FLTD PLAG PRPH		SHRD	15	3	10		20						75	7	.1	.2	1			
105.00	108	3.00	30	FLTD PLAG PRPH		SHRD	40		20	1	10						85	10	.3	.1	1			
108.00	109.7	1.70	43	SI STWK		RPLC	40	5	20	1	8						100	15	.5	.1	1.5			
109.70	111.5	1.80	39	SI STWK		RPLC	40	3	30	2	2						100	13	.1	.4	1			
111.50	114	2.50	19	FAULT ZONE		SHRD	6	1	35		35						80	8		.1	.3			
114.00	117	3.00	23	FAULT ZONE		SHRD	5		25	2	35						70	6			.3			
117.00	120	3.00	23	FAULT ZONE		SHRD	7	1	30	1	30						70	7			.5			
120.00	122.6	2.60	24	FAULT ZONE		SHRD	3	2	30	2	10						60	9			.2			
122.60	125	2.40	38	DCIT VOLC		F.MG	15	5	45	2	3		3				85	15			.4			
125.00	127.7	2.70	49	DCIT VOLC		F.MG	15	10	50	1	3		3				90	15	.2		.3			
127.70	129.5	1.80	47	PLAG PRPH DYKE		F.CG		15	10		30		5				60	.2						
129.50	131.08	1.58	54	PLAG PRPH DYKE		F.CG		10	15		25		3				55	.2						
131.08	133.5	2.42	27	DCIT VOLC		F.MG	10	5	35	2	10		2				75	10			.2			
133.50	134.15	0.65	33	PLAG PRPH DYKE		F.CG		3	20		25		4				60	.5						

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Ref	North	East	RL	Azim	Dip	Length	Category	Remarks	
895	10019.38	9824.29	1426.39	090	60	214.88	F zone	Drilled east at P-zone near holes N88-16,17	WHOLE

FROM	To	WDTH	RQ	ROCKNAME	UNT	TXT	SI	OV	CE	CY	CH	EP	CB	GN	AI	AS	IN	PY	CP	SP	CC	NC	MI	MZ
F																								
134.15	137	2.85	20	DCIT VOLC		F.MG	10	5	45	2	7		4				85	12	.1		.2			
137.00	138.65	1.65	30	DCIT VOLC		F.MG	8	8	35	1	12		3				75	12			.1			
138.65	140.35	1.70	45	PLAG PRPH DYKE		F.CG		3	12		30		5				55	.5						
140.35	142	1.65	38	SI STWK		F.MG	45	3	25		10	.1					85	15	.2		.2			
142.00	144.35	2.35	55	PLAG PRPH DYKE		F.CG		3	20		25		4				60	.5						
144.35	147	2.65	52	SI STWK		F.MG	35	5	30		5		1				95	20	.8		.3			
147.00	149.2	2.20	50	SI STWK		F.MG	25		45		7		2				95	15	.3		.2			
149.20	151	1.80	50	BASALT DYKE		FG				2	25		5				35	.5						
151.00	153.15	2.15	22	DCIT TUFF		F.MG	10	2	40	1	5						65	4			.3			
153.15	153.5	0.35	51	BASALT DYKE		FG		2		2	20		5				30	.5						
153.50	156	2.50	11	DCIT TUFF		F.MG	20	2	50	5	2						90	7	.1		.2			
156.00	159	3.00	12	DCIT TUFF		F.MG	5	5	35	3	2		2				60	9			.1			
159.00	162	3.00	36	DCIT TUFF		F.MG	15	5	40		3		1				70	18			.1			
162.00	165	3.00	51	DCIT TUFF		F.MG	35	5	30	1	5		1				90	18			.2			
165.00	168	3.00	56	DCIT TUFF		F.MG	20	3	40		2		1	1			80	12						
168.00	171	3.00	55	DCIT TUFF		F.MG	12	5	20		3		1	5			60	8						
171.00	174	3.00	54	DCIT TUFF		F.MG	18	8	20				1	8			60	14						
174.00	177	3.00	60	DCIT TUFF		F.MG	25	8	20		1		1	8			70	12						
177.00	180	3.00	66	DCIT TUFF		F.MG	30	1	15		1	2	1	12			70	15						
180.00	183	3.00	63	DCIT TUFF		F.MG	14	3	20		5	4	2	8			60	12						
183.00	186	3.00	60	DCIT TUFF		F.MG	20	7	17		8	1	1	8			60	18						
186.00	189	3.00	57	DCIT TUFF		F.MG	15	3	25		5	1	1	5			60	15						
189.00	192	3.00	53	DCIT TUFF		F.MG	30	7	20		2	1	1	8			70	15						
192.00	195	3.00	51	DCIT TUFF		F.MG	12	5	15		2	1	5	3			60	30						
195.00	198	3.00	59	DCIT TUFF		F.MG	18	3	25		5	2	3	5			65	10						
198.00	201	3.00	59	DCIT TUFF		F.MG	15	7	30		5	2	2	5			70	12						
201.00	204	3.00	41	DCIT TUFF		F.MG	7	8	30		3	2	5	5			70	12						
204.00	207	3.00	38	DCIT TUFF		F.MG	12	8	30		3	2	1	3			65	12						
207.00	210	3.00	37	DCIT TUFF		F.MG	15	8	30		3	2	2	2			70	15						
210.00	213	3.00	53	DCIT TUFF		F.MG	12	8	30		5	2	1	3			65	12						
213.00	214.88	1.88	57	DCIT TUFF		F.MG	10	8	30		7	2	4	3			70	12						

1988 Triumph Street, Vancouver, B.C. V5L 1K5
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Pd, Pt, Sn, Sr and W.

ANALYST:

REPORT #: 890424 PA | WESTERN CANADIAN MINING | Proj: 9101 | Date In: 89/08/08 | Date Out:89/08/14 | Att: B BUTTERWORTH |

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
13332	0.3	0.58	29	24	<3	0.32	0.9	17	48	1355	4.80	0.19	0.23	121	7	0.02	12	0.21	36	<2	2	16	<5	<3	47
13333	0.1	0.34	19	85	<3	0.04	0.1	6	31	623	2.58	0.08	0.07	23	8	0.01	22	0.15	27	<2	<2	10	<5	<3	17
13334	0.1	0.57	15	30	<3	0.18	0.3	14	64	1845	4.08	0.15	0.21	28	16	0.01	7	0.17	29	<2	<2	7	<5	<3	33
13335	0.4	0.45	88	23	<3	0.20	0.5	14	49	2369	4.39	0.16	0.15	22	14	0.02	6	0.18	45	<2	2	11	<5	<3	47
13336	6.9	0.26	>2000	7	3	0.05	0.1	13	72	9689	7.38	0.23	0.05	24	13	0.03	10	0.13	61	189	3	9	<5	<3	826
13337	0.6	0.45	60	17	<3	0.26	0.4	18	67	3743	4.67	0.18	0.18	45	20	0.02	7	0.21	48	<2	2	15	<5	<3	49
13338	0.3	0.42	18	16	<3	0.39	0.4	17	24	2237	3.92	0.18	0.32	185	11	0.01	16	0.19	27	<2	2	13	<5	<3	36
13339	0.3	0.49	21	10	<3	0.34	0.9	17	68	2527	4.15	0.18	0.32	190	10	0.01	7	0.16	24	<2	2	21	<5	<3	45
13340	0.3	0.26	13	20	<3	0.07	0.3	15	36	2143	3.90	0.13	0.05	21	14	0.01	6	0.08	20	<2	<2	6	<5	<3	14
13341	0.5	0.31	25	15	<3	0.12	0.4	14	71	2567	4.56	0.16	0.06	23	8	0.01	7	0.11	36	<2	2	6	<5	<3	20
13342	0.1	0.16	37	244	<3	0.01	0.1	2	25	90	0.90	0.03	0.01	12	5	0.01	15	0.02	15	<2	<2	14	<5	<3	2
13343	0.1	0.24	<3	659	<3	0.01	0.1	1	41	19	0.26	0.01	0.01	11	3	0.01	2	0.05	15	<2	<2	23	<5	<3	1
13344	0.1	0.19	8	443	<3	0.01	0.1	1	15	17	0.35	0.01	0.01	7	4	0.01	2	0.06	8	<2	<2	19	<5	<3	1
13345	1.1	6.31	85	28	8	0.05	3.5	12	32	3639	>10.00	0.45	3.28	296	16	0.04	30	0.20	60	<2	2	10	<5	<3	316
13346	1.3	0.44	66	275	<3	0.04	0.1	3	30	377	1.77	0.06	0.15	26	11	0.01	4	0.43	25	<2	<2	21	<5	<3	16
13347	1.0	0.24	84	23	<3	0.01	0.1	9	37	208	3.60	0.11	0.02	7	18	0.01	5	0.56	27	<2	2	8	<5	<3	2
13348	5.2	0.19	94	28	<3	0.01	0.1	9	30	46	3.30	0.10	0.01	9	28	0.01	5	0.72	15	<2	2	11	<5	<3	1
13349	1.9	0.21	47	29	<3	0.01	0.1	10	16	354	2.85	0.09	0.02	12	15	0.01	31	0.53	15	<2	<2	8	<5	<3	2
13350	0.1	0.29	<3	33	<3	0.01	0.1	12	47	923	1.69	0.05	0.02	7	9	0.01	2	0.03	26	<2	<2	13	<5	<3	2
13351	0.4	0.34	<3	28	<3	0.09	0.1	12	17	1263	2.06	0.07	0.12	14	5	0.01	4	0.11	29	<2	<2	10	<5	<3	15
13352	0.5	1.96	19	31	<3	0.25	0.9	13	43	3204	3.96	0.16	1.67	170	8	0.02	12	0.23	30	<2	2	12	<5	<3	322
13353	0.5	2.57	22	71	<3	0.24	0.9	11	42	3292	4.01	0.16	2.06	213	5	0.02	7	0.25	25	<2	2	13	<5	<3	316
13354	0.1	2.66	26	39	<3	0.25	0.6	13	31	2157	4.39	0.17	2.12	242	8	0.02	36	0.25	26	<2	2	14	<5	<3	260
13355	0.5	2.35	15	30	<3	0.23	0.6	13	47	2445	4.03	0.16	2.06	231	6	0.02	7	0.21	29	<2	2	11	<5	<3	212
13356	0.1	1.99	13	21	<3	0.24	0.6	11	43	1895	3.97	0.16	1.78	190	5	0.01	7	0.21	45	<2	2	10	<5	<3	167
13357	0.9	1.85	16	18	<3	0.24	0.9	11	62	4007	4.01	0.16	1.62	206	6	0.01	8	0.21	27	<2	2	11	<5	<3	115
13358	0.9	0.83	16	8	<3	0.20	0.5	11	64	5948	4.69	0.17	0.50	72	7	0.01	7	0.17	31	<2	2	13	<5	<3	34
13359	1.7	0.86	26	9	<3	0.13	0.9	17	82	12362	5.05	0.17	0.66	70	7	0.02	9	0.12	24	<2	3	9	<5	<3	41
13360	1.9	0.96	31	7	<3	0.16	1.1	18	49	12334	5.86	0.20	0.52	69	11	0.02	8	0.16	26	<2	3	11	<5	<3	36
13361	1.9	0.46	30	5	<3	0.21	0.9	18	25	8426	5.84	0.21	0.07	16	11	0.02	6	0.22	43	<2	2	21	<5	<3	12
13362	0.9	1.05	28	9	<3	0.22	0.9	16	19	6530	5.03	0.19	0.59	61	9	0.02	8	0.21	32	<2	2	17	<5	<3	52
13363	1.1	1.51	38	12	<3	0.21	1.1	14	23	7796	5.17	0.19	0.94	125	9	0.02	6	0.20	25	<2	2	9	<5	<3	56
13364	1.1	1.33	39	9	<3	0.19	0.9	15	23	10322	5.24	0.19	0.96	104	14	0.02	7	0.19	25	<2	2	14	<5	<3	74
13365	1.7	1.73	40	10	<3	0.20	1.1	15	22	10462	4.94	0.18	1.33	212	10	0.02	6	0.20	35	<2	2	20	<5	<3	78
13366	1.1	1.73	35	14	<3	0.23	0.9	15	18	7027	4.50	0.17	1.36	194	7	0.01	9	0.23	27	<2	2	15	<5	<3	70
13367	0.5	1.93	37	14	<3	0.21	0.9	15	14	3574	4.22	0.16	1.72	185	7	0.01	7	0.22	27	<2	2	23	<5	<3	158
13368	0.9	1.41	67	14	<3	0.30	0.9	14	16	6769	4.14	0.17	1.21	315	9	0.01	6	0.16	36	<2	2	11	<5	<3	170
13369	2.3	0.93	44	6	3	0.09	1.3	13	65	18509	5.65	0.19	0.62	63	14	0.02	7	0.10	43	<2	3	13	<5	<3	81
13370	2.0	0.37	163	5	<3	0.10	0.4	14	75	12940	5.23	0.17	0.12	25	7	0.02	7	0.10	66	<2	3	15	<5	<3	28
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
13371	1.9	0.54	23	6	<3	0.15	1.5	16	52	12634	5.35	0.19	0.21	46	14	0.02	8	0.13	50	<2	3	21	<5	<3	47
13372	1.1	0.42	17	7	<3	0.22	1.1	14	30	7605	5.31	0.19	0.19	81	13	0.02	7	0.15	29	<2	2	15	<5	<3	26
13373	0.5	1.52	25	13	<3	0.20	1.1	13	16	4207	4.95	0.18	0.94	133	15	0.01	6	0.18	27	<2	2	13	<5	<3	53
13374	0.5	1.53	21	20	<3	0.24	0.9	15	12	3670	4.22	0.16	0.96	147	12	0.01	7	0.20	23	<2	2	12	<5	<3	54
13375	1.1	1.87	49	12	<3	0.23	1.3	12	12	4351	4.93	0.18	1.39	221	11	0.01	6	0.19	39	<2	2	18	<5	<3	100
13376	0.6	0.71	28	7	<3	0.34	1.1	22	14	3775	5.32	0.21	0.46	304	28	0.02	8	0.18	75	<2	2	17	<5	<3	92
13377	1.3	0.39	49	4	<3	0.69	2.5	25	27	3939	6.76	0.31	0.27	920	57	0.02	25	0.14	355	<2	3	38	<5	<3	217
13378	1.3	0.37	35	5	<3	0.36	1.8	29	29	5282	6.71	0.26	0.17	246	58	0.02	48	0.19	76	<2	8	32	<5	<3	70
13379	0.1	1.68	<3	378	<3	1.31	0.3	7	25	70	2.38	0.27	1.08	1140	4	0.02	4	0.12	16	<2	<2	88	<5	<3	155
13380	0.1	1.66	<3	>1000	<3	2.45	0.1	9	8	25	2.23	0.45	1.06	1585	3	0.01	3	0.11	15	<2	<2	282	<5	<3	125
13381	0.1	0.36	34	19	<3	0.54	1.2	23	28	1343	6.28	0.27	0.09	217	17	0.02	21	0.18	56	<2	2	25	<5	<3	19
13382	0.1	1.49	47	303	<3	2.43	0.1	8	6	113	2.46	0.44	1.11	1529	4	0.02	3	0.11	20	<2	<2	127	<5	<3	152
13383	0.4	0.33	45	14	<3	0.38	1.1	20	19	880	5.58	0.23	0.05	118	15	0.02	6	0.18	48	<2	2	15	<5	<3	23
13384	0.4	0.42	37	9	<3	1.76	1.1	19	20	1009	5.61	0.43	0.14	860	24	0.02	11	0.17	53	<2	2	71	<5	<3	25
13385	0.1	1.58	36	427	<3	1.75	0.1	7	5	35	2.26	0.33	1.11	1151	4	0.02	4	0.12	17	<2	<2	88	<5	<3	214
13386	1.1	0.24	120	8	<3	0.58	2.1	24	26	3833	8.00	0.33	0.05	225	58	0.02	34	0.18	65	<2	3	28	<5	<3	119
13387	0.2	1.55	<3	>1000	<3	2.39	0.1	8	3	48	2.31	0.43	1.02	1314	3	0.02	3	0.11	15	<2	<2	192	<5	<3	176
13388	1.6	0.28	302	11	3	0.42	2.5	34	24	5032	9.73	0.36	0.05	129	40	0.03	20	0.17	85	54	4	53	<5	<3	199
13389	0.6	0.26	144	5	<3	0.32	1.5	22	17	3829	7.73	0.29	0.06	102	24	0.02	9	0.17	58	<2	3	28	<5	<3	63
13390	1.2	1.85	47	225	<3	1.94	1.1	27	59	241	4.22	0.42	2.86	674	6	0.04	67	0.40	25	<2	7	166	<5	<3	78
13391	0.5	0.40	60	8	<3	0.34	0.8	21	13	1968	4.90	0.20	0.15	103	24	0.02	12	0.19	27	<2	2	45	<5	<3	42
13392	1.1	1.97	26	180	<3	2.85	1.1	23	66	158	4.29	0.56	2.62	1071	5	0.04	77	0.42	32	<2	3	191	<5	<3	125
13393	1.1	0.26	136	9	<3	0.55	1.1	23	12	2316	5.99	0.27	0.08	174	29	0.02	8	0.20	37	7	3	30	<5	<3	64
13394	0.6	0.28	61	10	<3	0.63	1.5	26	13	2354	6.69	0.30	0.06	246	52	0.02	8	0.17	42	<2	3	24	<5	<3	39
13395	1.1	0.23	100	15	<3	0.58	1.3	29	20	2202	6.88	0.30	0.03	254	69	0.02	6	0.14	67	4	3	22	<5	<3	60
13396	1.1	0.21	154	11	<3	0.35	1.2	29	35	2316	6.88	0.26	0.03	127	25	0.02	18	0.12	57	51	3	16	<5	<3	90
13397	0.1	0.29	37	15	<3	0.29	1.5	28	23	1457	7.60	0.28	0.03	17	17	0.02	18	0.22	29	<2	3	16	<5	<3	8
13398	0.4	0.25	90	4	<3	0.20	1.7	31	20	450	7.78	0.27	0.02	16	24	0.02	42	0.15	32	<2	3	20	<5	<3	25
13399	0.1	0.29	102	5	<3	0.23	1.3	30	32	633	7.44	0.26	0.02	24	14	0.02	32	0.15	32	<2	3	38	<5	<3	28
13400	0.4	0.27	147	6	3	0.30	1.8	37	23	328	9.44	0.36	0.02	26	18	0.03	42	0.19	68	<2	3	376	<5	<3	37
13401	0.5	0.36	126	4	3	0.27	2.2	30	41	636	>10.00	0.36	0.02	42	13	0.03	33	0.14	40	<2	4	117	<5	<3	25
13402	0.5	0.28	205	6	<3	0.26	1.7	28	20	560	8.52	0.32	0.02	18	6	0.03	42	0.17	31	<2	3	295	<5	<3	51
13403	0.5	0.30	65	4	3	0.29	2.3	37	39	137	>10.00	0.41	0.02	34	8	0.03	34	0.17	41	<2	4	272	<5	<3	9
13404	0.5	0.31	73	7	<3	0.25	2.1	32	22	310	8.90	0.31	0.03	32	13	0.03	46	0.16	31	<2	3	23	<5	<3	19
13405	0.5	0.42	37	8	<3	0.42	1.8	28	36	400	9.18	0.35	0.06	132	9	0.03	33	0.14	32	<2	4	25	<5	<3	12
13406	1.1	0.26	95	7	7	0.91	4.1	25	22	1284	>10.00	0.66	0.06	314	8	0.05	37	0.13	51	<2	7	44	<5	<3	15
13407	0.2	0.32	53	7	<3	0.74	2.1	24	33	382	9.74	0.41	0.05	229	<1	0.03	32	0.15	31	<2	4	46	<5	<3	7
13408	0.1	0.28	41	6	<3	0.91	1.2	19	18	313	6.99	0.36	0.05	269	5	0.02	36	0.15	28	<2	3	150	<5	<3	10
13409	1.1	0.40	100	7	<3	1.03	1.8	23	39	207	7.49	0.38	0.21	415	5	0.02	32	0.17	35	<2	3	66	<5	<3	36
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum AuFA = Fire assay/AAS

REPORT #: 890424 PA WESTERN CANADIAN MINING Proj: 9101 Date In: 89/08/08 Date Out:89/08/14 Att: B BUTTERWORTH

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
13410	1.1	0.43	52	13	3	0.99	2.3	28	27	180	8.91	0.42	0.32	477	7	0.02	41	0.13	31	<2	4	43	<5	<3	29
13411	0.3	0.39	40	10	<3	1.10	2.2	24	31	536	6.99	0.38	0.36	585	4	0.02	31	0.15	32	<2	3	92	<5	<3	175
13412	0.2	0.33	53	11	<3	0.76	1.8	25	30	419	8.20	0.36	0.46	288	5	0.02	40	0.15	33	<2	3	32	<5	<3	31
13413	0.5	0.49	49	16	3	1.15	1.8	27	33	416	8.13	0.42	0.67	364	7	0.02	31	0.14	28	<2	3	44	<5	<3	47
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum AuFA = Fire assay/AAS

ANOMALOUS RESULTS:
FURTHER ANALYSES
BY ALTERNATE
METHODS SUGGESTED

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
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● FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 890424 GA JOB NUMBER: 890424 **WESTERN CANADIAN MINING CORP.**

SAMPLE #	Au ppb
13332	90
13333	240
13334	80
13335	90
13336	240
13337	110
13338	130
13339	110
13340	130
13341	120
13342	120
13343	120
13344	110
13345	280
13346	230
13347	200
13348	210
13349	150
13350	80
13351	90
13352	120
13353	120
13354	80
13355	110
13356	130
13357	240
13358	240
13359	640
13360	670
13361	340
13362	250
13363	490
13364	590
13365	490
13366	240
13367	170
13368	240
13369	850
13370	540

DETECTION LIMIT 5

nd = none detected -- = not analysed is = insufficient sample

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SAMPLE #	Au ppb
13371	620
13372	500
13373	250
13374	210
13375	230
13376	240
13377	250
13378	310
13379	50
13380	10
13381	100
13382	20
13383	80
13384	80
13385	nd
13386	190
13387	nd
13388	190
13389	140
13390	20
13391	130
13392	10
13393	130
13394	90
13395	160
13396	160
13397	160
13398	100
13399	80
13400	90
13401	230
13402	130
13403	100
13404	80
13405	110
13406	210
13407	110
13408	100
13409	220

DETECTION LIMIT 5
nd = none detected -- = not analysed is = insufficient sample

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RENO, NEVADA, U.S.A.

REPORT NUMBER: B90424 GA JOB NUMBER: B90424 **WESTERN CANADIAN MINING CORP.**

SAMPLE #	Au
	ppb
13410	2390
13411	870
13412	120
13413	170

DETECTION LIMIT 5
nd = none detected -- = not analysed is = insufficient sample

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RENO, NEVADA, U.S.A.

REPORT NUMBER: 890424 AA JOB NUMBER: 890424 **WESTERN CANADIAN MINING CORP.**

SAMPLE #	Cu %
13352	.40
13353	.40
13354	.28
13355	.31
13356	.24
13357	.49
13358	.70
13359	1.58
13360	1.55
13361	.94
13362	.76
13363	.91
13364	1.08
13365	1.32
13366	.78
13367	.42
13368	.81
13369	2.26
13370	1.69
13371	1.61

DETECTION LIMIT .01

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

VGC VANGEOCHEM LAB LIMITED

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BRANCH OFFICES
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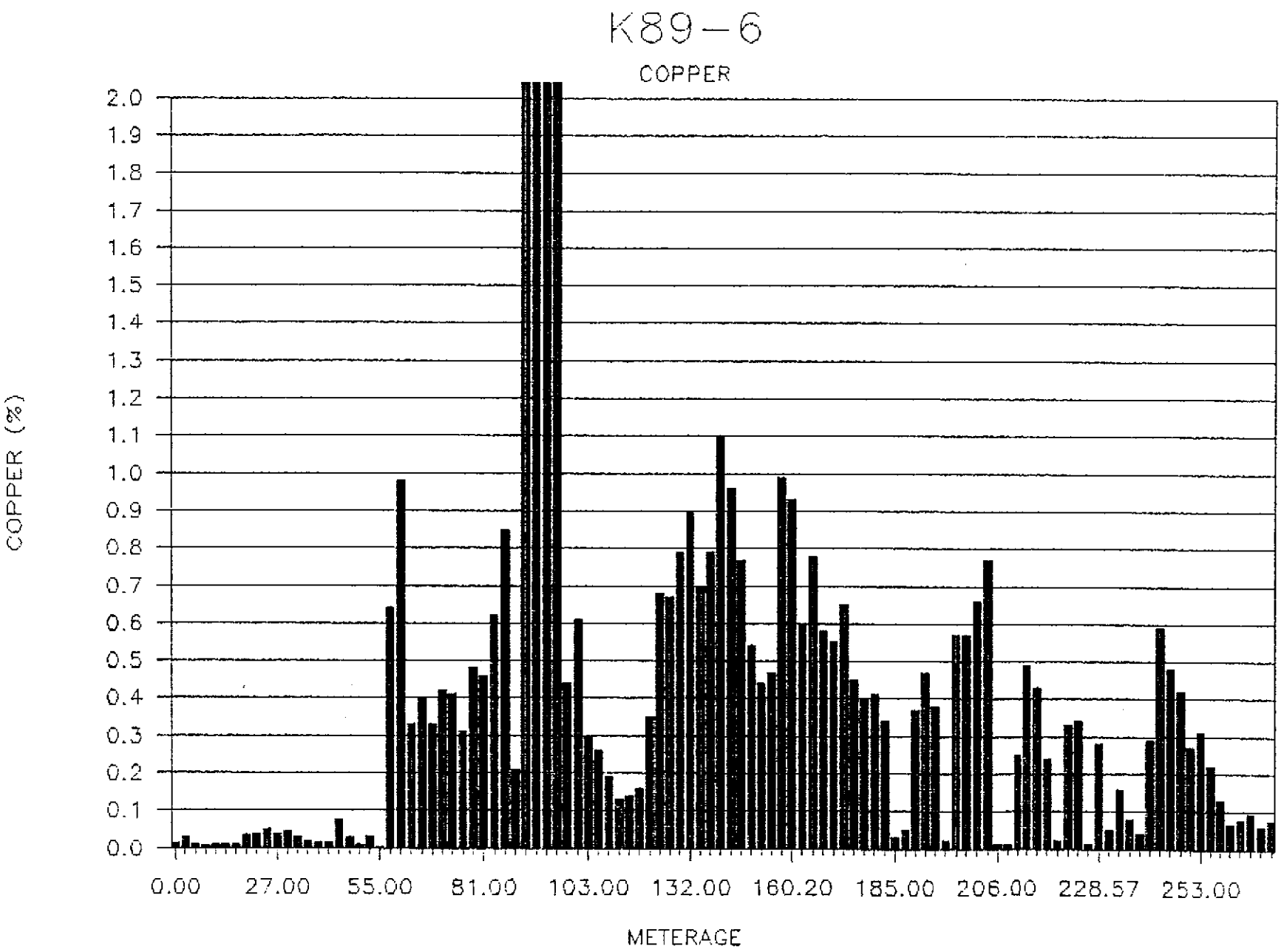
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

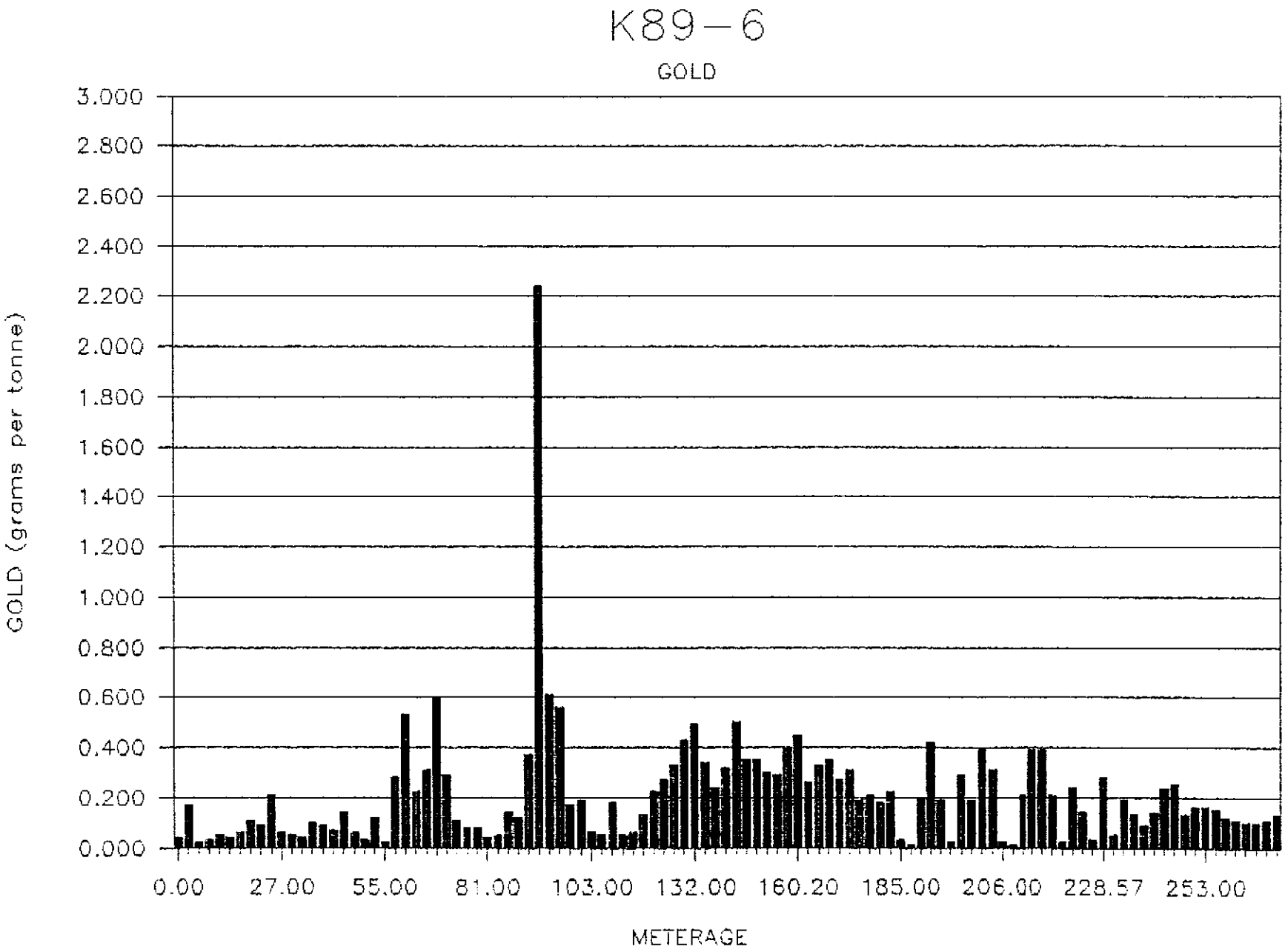
SAMPLE #	Cu %
13372	.86
13373	.50
13374	.42
13375	.51
13376	.45
13377	.47
13378	.60

DETECTION LIMIT .01

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____


K89-6
COPPER
COPPER (%)
2.0
1.9
1.8
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
0.00
27.00
55.00
81.00
103.00
132.00
160.20
185.00
206.00
228.57
253.00
METERAGE


K89-6
GOLD
GOLD (grams per tonne)
3.000
2.800
2.600
2.400
2.200
2.000
1.800
1.600
1.400
1.200
1.000
0.800
0.600
0.400
0.200
0.000
0.00
27.00
55.00
81.00
103.00
132.00
160.20
185.00
206.00
228.57
253.00
METERAGE

D.D. HOLE No. K-89-6 PAGE: 1 of 11

Location	NW of K88-14	Collar Northing	9901.85 m
Date Started	Aug.4,1989	Easting	9595.49 m
Date Completed	Aug.8,1989	Elevation	1659.62 m
Core Recovery	91.44 %	Azimuth	058 Dip - 60 deg
Drilled By	J.T.Thomas Drilling	Length	279.50 m
Logged By	S.G.Casselman	Hor. Proj.	148.02 m
Objective	Test for mineralization under glacier north of 88-14	Vert. Proj.	236.89 m
		Core Size	BDBCM (thin-wall BQ)

METRES From	To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au ppb	Ag ppm	Cu ppm	Cu %
0.00	3.05	OVERBURDEN									
3.05	21.95	FELSIC TO INTERMEDIATE VOLCANIC FLOW - medium green, homogeneous, medium grained - moderately chloritized and sericitized - mafic phenocrysts are chloritized, while plagioclase phenocrysts are sericitized - grain size from <1mm to 2mm - fairly massive homogeneous unit (believed to be a flow) - grains have a weak preferred orientation at 60 degrees to core axis - 2 to 3% calcite with minor quartz veinlets and blebs at varying angles to core axis, but mostly at 45 degrees - trace to 4% finely desseminated pyrite - no visible copper mineralization - limonite on fracture surfaces down to 18.0 metres - lower contact at 40 degrees to C.A. - S.G. at 5.00 m - 2.73 g/cc 15.00 m - 2.76 g/cc - average S.G. = 2.74 g/cc	13414	3.05	6.00	2.95	109.00	40	1.1	105	
			13415	6.00	9.00	3.00	93.00	170	1.1	275	
			13416	9.00	12.00	3.00	97.00	20	0.1	62	
			13417	12.00	15.00	3.00	97.00	30	0.1	55	
			13418	15.00	18.00	3.00	84.00	50	0.2	67	
			13419	18.00	20.00	2.00	97.00	40	0.2	74	
			13420	20.00	21.95	1.95	99.00	60	0.3	74	

METRES From	METRES To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au ppb	Ag ppm	Cu ppm	Cu %
21.95	56.9	DACITE CRYSTAL LAPILLI TUFF - medium grey-green color - fairly massive unit, relatively unaltered - grades in and out from lapilli tuff to crystal tuff - gradational changes are difficult to distinguish - lapilli range from 2mm to 2cm long are are composed of felsic and mafic minerals which are generally altered to sericite and chlorite respectively - matrix is aphanitic to fine grained - crystals of plagioclase (30%) and hornblende (10%) are altered - 1 to 5% quartz-carbonate veins up to 3 cm wide - sometimes containing clay in vugs - quartz-carbonate veins are unmineralized - 4 to 9% pyrite as fine disseminations throughout and rarely as very fine-grained to aphanitic dark brown-grey stringers - no visible copper mineralization - very competent core, pieces averaging 20 to 40 cm in length - bedding at 40 degrees to core axis - fractures at 20 to 50 degrees to the core axis - S.G. at 25.00 m - 2.93 g/cc 35.00 m - 2.89 g/cc 45.00 m - 2.81 g/cc 55.00 m - 2.87 g/cc - average S.G. = 2.87 g/cc	13421	21.95	24.00	2.05	99.00	110	0.1	322	
			13422	24.00	27.00	3.00	98.00	90	0.2	354	
			13423	27.00	30.00	3.00	102.00	210	0.2	479	
			13424	30.00	33.00	3.00	93.00	16	0.1	361	
			13425	33.00	36.00	3.00	97.00	50	0.2	424	
			13426	36.00	37.87	1.87	95.00	40	0.3	278	
			13427	37.87	40.00	2.13	95.00	100	0.2	176	
			13428	40.00	43.00	3.00	98.00	90	0.1	157	
			13429	43.00	46.00	3.00	98.00	70	0.1	135	
			13430	46.00	49.00	3.00	93.00	140	2.3	742	
			13431	49.00	52.00	3.00	98.00	60	0.4	257	
			13432	52.00	55.00	3.00	100.00	30	0.1	89	
			13433	55.00	56.90	1.90	93.00	120	0.6	306	
56.9	57.2	CHERT - light beige-grey, aphanitic, fairly homogeneous - 10% chlorite wisps - no visible sulphide mineralization - fairly competent - contacts at 55 degrees to core axis	13434	56.90	57.20	0.30	97.00	20	0.1	26	

METRES From	METRES To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au ppb	Ag ppm	Cu ppm	Cu %
57.2	85.46	DACITIC CRYSTAL LAPILLI TUFF - as in section 21.95 to 56.9 m - medium grey-green color - fine to medium grained - phenocrysts and fragments have been sericitized and chloritized - 20 % sericite, 20 % chlorite - weak to nonexistent silicification - 12 - 15% pyrite, traces of chalcopyrite are only copper-sulphide - unit grades from fine tuff to slightly contorted schist with abundant (20%) quartz-calcite stringers at 58.3 to 59.0m lapilli tuff down to 65.3m, then fine ash tuff with very fine relic plagioclase crystals to lapilli tuff at 67.0 to 85.46 - from 71.0 to 78.0m have 10% quartz with minor carbonate veins containing up to 1% chalcopyrite - from 81.0m tuff becomes fairly foliated at 30 degrees to the core axis - from 82.7m begin to get small bands of black argillite within tuff - 2 - 5cm quartz veins at end of interval (85.46m) containing 2% chalcopyrite with chalcocite on fracture surfaces - lower contact @ 75 degrees to core axis - S.G. at 65.00 m - 2.98 g/cc 75.00 m - 2.74 g/cc 85.00 m - 2.75 g/cc - average S.G. = 2.82 g/cc	13435	57.20	60.00	2.80	97.00	280	4.1	6117	0.64
			13436	60.00	63.00	3.00	92.00	530	38.3	10340	0.98
			13437	63.00	66.00	3.00	95.00	220	2.3	3195	0.33
			13438	66.00	69.00	3.00	87.00	310	1.7	3768	0.40
			13439	69.00	72.00	3.00	97.00	600	1.3	3079	0.33
			13440	72.00	75.00	3.00	94.00	290	1.6	3982	0.42
			13441	75.00	78.00	3.00	96.00	110	1.2	3849	0.41
			13442	78.00	81.00	3.00	99.00	80	0.6	3036	0.31
			13443	81.00	84.00	3.00	94.00	80	1.8	4842	0.48
			13444	84.00	85.46	1.46	101.00	40	1.2	4434	0.46
85.46	91.0	ARGILLITE - black, with contorted bands - very fine grained - contains up to 15% clasts which have silicified or sericitiized - unit has numerous (30%) contorted quartz veins or silicified sections which impart a wavey texture to core - 25 to 30% stockwork type silicification which contains up to 3% chalcopyrite and and 25% pyrite - chalcopyrite occurs as blebs up to 1cm long and 0.1cm wide "splashed" throughout the interval	13445	85.46	88.00	2.54	89.00	50	1.0	6380	0.62
			13446	88.00	91.00	3.00	92.00	140	1.3	9076	0.85

METRES From	METRES To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au ppb	Ag ppm	Cu ppm	Cu %
		- pyrite occurs as very fine-grained wisps, stringers, and blebs throughout and has a dark grey-brown color - foliation or stockwork veining occurs at 50 degrees to the core axis - very distinctive unit - dark black and fine grained - Specific Gravity = 2.76									
91.0	91.25	CHERT - as in section 56.9 to 57.2m - light beige-grey, fairly homogeneous - 5% quartz veining - 3 % medium grained disseminated pyrite - 1 % chalcopyrite in quartz vein at upper contact - contacts at 70 degrees to core axis	13447	91.00	91.25	0.25	100.00	120	0.3	2007	0.21
91.25	103.0	SILICA SULPHIDE STOCKWORK -brownish-grey overall color with white to grey silica replacement - 60 to 70 % silica replacement is most distinctive, as well as 15 to 20 % pyrite and 1 to 3 % bleby chalcopyrite - silica stockwork has similarities to that found in K88-14 and K88-18, but has distinctive characteristics of its own - chalcopyrite is in 0.1 to 1.0 cm blebs scattered throughout the interval - original rock type is wiped out (probably dacitic tuff) - section contains wisps and bands of dark black aphanitic argillite from above unit - also contains dacite lapilli tuff towards the bottom of the interval (from 98.6 to 103.0m) - silica-stockwork replacement begins to decrease at 98.6m and continues down to 104.2m as occassional bands in dacitic tuff - minor sericitic and chloritic bands and wisps - up to 20% pyrite as wispy stringers, veins, and blebs - pyrite is generally very fine grained to aphanitic and is dark brown in color	13448	91.25	91.64	0.39	100.00	370	6.9	>20000	2.21
			13449	91.64	94.00	2.36	76.00	2240	8.7	>20000	4.01
			13450	94.00	97.00	3.00	91.00	610	6.4	>20000	3.87
			14001	97.00	100.00	3.00	94.00	560	5.0	>20000	2.52
			14002	100.00	103.00	3.00	97.00	170	0.2	4222	0.44

METRES From	METRES To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au ppb	Ag ppm	Cu ppm	Cu %
		- micro fractures within silica filled with a dark grey mineral which is believed to be pyrite, but could be chalcocite or a combination of pyrite, chalcocite, and chalcopyrite - S.G. at 95.00 m - 2.79 g/cc									
103.0	111.9	DACITE LAPILLI TUFF - as in interval 57.2 to 85.46m - medium grey-green color - moderately chloritized and weak to moderately sericitized - top 1.5 m is moderately to strongly silicified and contains up to 1% chalcopyrite - contains 2 to 4 % quartz-calcite veins, which occassionally contain traces of chalcopyrite - 6 to 12 % pyrite as fine disseminations and very fine grained wisps - lapilli texture is evident, especially towards the bottom of the interval - lapilli fragments reach 2 to 3 cm long, and are composed of felsic (sericitized) and mafic (chloritized) material - occassional sections of tuff are cemented with a light grey, very fine to aphanitic clay or ash material - bedding is at 50 degrees to core axis - fractures at 30 to 60 degrees to core axis - lower contact with fault zone is gradational over 2 m where core becomes fractured into 10 to 15 cm pieces nearing rubble zone - once into fault zone sericitization of of core increases - S.G. at 105.00 m - 2.90 g/cc	14003	103.00	106.00	3.00	97.00	190	0.9	6862	0.61
			14004	106.00	109.00	3.00	96.00	60	0.3	3237	0.30
			14005	109.00	111.90	2.90	90.00	50	0.6	2820	0.26

METRES From	METRES To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au ppb	Ag ppm	Cu ppm	Cu %
111.9	160.2	RUBBLE ZONE (SERICITE-PYRITE SCHIST) -light to medium grey color -fractured into pieces from < 1 cm to 5 cm to rarely 10 cm long - solid pieces exhibit strong foliation at 80 degrees to the core axis - fractures at 40 to 70 deg to C.A. - contains 1 to 3 % weathered out limonitic veins - from 111.9 to 123.0 m - 1 to 3 cm long chips of rock - 123.0 to 138.0 m - 1 cm long chips - 138.0 to 154.5 m - < 0.5 cm chips - 154.5 to 160.2 - 2 to 10 cm long pieces of core - intensely sericitized (30 to 50 %) - weakly silicified - contains 7 % pyrite as fine to medium grained disseminations, wisps and aggregates - contains up to 2 % chalcocite as a dark grey to black coating on other sulphides and on fracture surfaces - average is approximately 0.5 % chalcocite - from 113.0 to 133.0 m core is very soft and contains abundant clay minerals and vuggy, limonitic, clayey veins, believed to represent argillic style of alteration - from 133.0 to 145.0 m core is intensely fractured, medium to dark grey, and contains from 0.5 to 1 % chalcocite - S.G. at 115.0 m - 2.68 g/cc 125.0 m - 2.64 g/cc 135.0 m - 2.67 g/cc 145.0 m - 2.67 g/cc 155.0 m - 2.43 g/cc - average S.G. = 2.62 g/cc	14006	111.90	114.00	2.10	65.00	180	2.4	2060	0.19
			14007	114.00	117.00	3.00	73.00	50	0.1	1415	0.13
			14008	117.00	120.00	3.00	96.00	60	0.1	1492	0.14
			14009	120.00	123.00	3.00	65.00	130	0.2	1795	0.16
			14010	123.00	126.00	3.00	89.00	220	0.7	3865	0.35
			14011	126.00	129.00	3.00	89.00	270	1.9	7954	0.68
			14012	129.00	132.00	3.00	88.00	330	1.9	7914	0.67
			14013	132.00	135.00	3.00	97.00	430	1.2	9130	0.79
			14014	135.00	138.00	3.00	91.00	490	2.1	11544	0.90
			14015	138.00	141.00	3.00	100.00	340	1.2	8820	0.70
			14016	141.00	144.00	3.00	83.00	240	1.5	9731	0.79
			14017	144.00	147.00	3.00	73.00	320	2.7	14912	1.10
			14018	147.00	150.00	3.00	49.00	500	14.1	12233	0.96
			14019	150.00	153.00	3.00	53.00	350	4.9	9260	0.77
			14020	153.00	156.00	3.00	69.00	350	1.7	6336	0.54
			14021	156.00	159.00	3.00	80.00	300	2.5	5020	0.44
			14022	159.00	160.20	1.20	83.00	290	0.8	5547	0.47
160.20	181.60	DACITIC LAPILLI TUFF - medium grey green color with dark green bands and limonitic, yellow-orange bands - moderately to strongly altered with abundant clay minerals - top 6 m contains 2 to 5 % of a white, powdery, soft mineral, believed to be montmorillonite? - core is soft and has the texture of	14023	160.20	163.00	2.80	89.00	400	3.4	12619	0.99
			14024	163.00	166.00	3.00	107.00	450	4.3	11727	0.93
			14025	166.00	169.00	3.00	79.00	260	1.5	7452	0.60
			14026	169.00	172.00	3.00	91.00	330	3.1	9630	0.78
			14027	172.00	175.00	3.00	95.00	350	1.5	7172	0.58
			14028	175.00	178.00	3.00	88.00	270	1.9	6876	0.55
			14029	178.00	180.00	2.00	98.00	310	1.7	7850	0.65
			14030	180.00	181.60	1.60	99.00	190	3.1	5280	0.45

METRES From	METRES To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au ppb	Ag ppm	Cu ppm	Cu %
		clay - also numerous vuggy, limonitic clay veinlets - clay minerals are believed to represent argillic alteration zone - section is also silicified in places (8 to 20 %) - silicification is similar to stockwork silicification (ie. grey to white, vuggy, with grey sulphide (chalcocite) filled microfractures) - up to 15 % contained sulphides (mainly py) - tuff is moderately sericitized (35 %) and weakly chloritized (3 to 8 %) - contains 10 to 18 % pyrite, as medium grained disseminated stringers and very fine-grained blebs - contains traces of chalcopyrite, up to 1 % chalcocite as black coating on other sulphides and on fracture surfaces - numerous specks of dendritic native copper on fracture planes from 166.0 to 178.0 m - relic lapilli tuff texture is evident in certain locations (ie. where less altered) - from 166.0 to 166.3 m have a section of almost massive magnetite (60 %) with pyrite stringers (30 %) cutting through at 40 deg to C.A. - slight foliation developed at 45 deg to C.A. becomes more prominent towards the bottom of the section - S.G. at 165.0 m - 2.98 g/cc 175.0 m - 2.87 g/cc - average S.G. = 2.92 g/cc									
181.60	187.22	RUBBLE ZONE - intensely fractured, average piece < 1 cm long - intensely sericitized (50 %) and intensely clay altered (25 %) - weakly chloritized (5 %) and silicified (1 to 2 %) - very little pyrite (3 to 5 %) as fine disseminations - traces of chalcocite (0.1 to 0.2 %) on fracture surfaces and traces of chalcopyrite	14031	181.60	183.00	1.40	99.00	210	2.5	4697	0.40
			14032	183.00	185.00	2.00	78.00	180	1.7	4689	0.41
			14033	185.00	187.22	2.22	74.00	220	1.7	3952	0.34

METRES From	To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au ppb	Ag ppm	Cu ppm	Cu %
		- sheared dacitic volcanics - similar to overlying, competent unit - fractures at 60 to 80 deg to C.A. - S.G. at 185.0 m - 2.73 g/cc									
187.22	190.97	ANDESITE DYKE - medium to dark green, very fine-grained fairly homogeneous, with 10 % quartz-carbonate-chlorite veins - relatively unaltered, only moderate chloritization - <1 cm chill margins - fractured into 3 to 20 cm pieces - contacts at 60 deg to C.A.	14034	187.22	189.00	1.78	91.00	30	0.1	304	0.03
			14035	189.00	190.97	1.97	91.00	10	0.1	508	0.05
190.97	197.03	RUBBLE ZONE - as in section 181.60 to 187.22 m - intensely sericitized (50 %), clay altered (5 to 8 %), and chloritized (3 to 10 %) - contains 6 to 12 % pyrite as medium-grained disseminations and 1 to 5 mm veins - contains up to 1.5 % chalcocite as a coating on pyrite and on fracture surfaces - chalcocite and pyrite content increase towards the lower contact with the dyke - towards lower contact get native copper on fracture surfaces - native copper at 196.29 m - S.G. at 195.00 m - 2.76 g/cc	14036	190.97	193.00	2.03	79.00	200	1.2	4333	0.37
			14037	193.00	195.00	2.00	100.00	420	7.6	5568	0.47
			14038	195.00	197.03	2.03	94.00	190	1.9	4475	0.38
197.03	199.68	ANDESITE DYKE - as in 187.22 to 190.97 m - medium green, fine-grained, homogeneous with 8 % quartz-calcite-chlorite-clay veins - < 1 % finely disseminated pyrite - no visible copper mineralization - contacts at 60 deg to C.A.	14039	197.03	199.68	2.65	85.00	20	0.1	223	0.02
199.68	208.25	RUBBLE ZONE - as in 181.60 to 187.22 m and 190.97 to 197.03 - average piece is 1 to 5 cm long - fractured at 55 deg to C.A. - intensely sericitized and clay altered	14040	199.68	201.00	1.32	80.00	290	3.5	7045	0.57
			14041	201.00	204.00	3.00	81.00	190	1.5	4780	0.57
			14042	204.00	206.00	2.00	87.00	390	3.4	5514	0.66
			14043	206.00	208.25	2.25	85.00	310	2.7	6432	0.77

METRES From	To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au ppb	Ag ppm	Cu ppm	Cu %
		- 10 to 15 % orange, soft, limonitic clay, and 1 % white to grey, soft clay (montmorillonite ?) - argillic alteration ? - relic lapilli texture is evident in places - between 204.0 and 204.8 m core exibits brecciated texture - core becomes more competent from 206.0 to 208.25 m - pyrite and chalcocite content decrease in the competent core (py- 6%, cc- 0.2 %) - S.G. at 205.0 m - 2.72 g/cc									
208.25	214.50	PLAGIOCLASE PORPHYRY DYKE - medium green color, with 30 % light grey to white plagioclase crystals, 1 mm to 1 cm long, aligned along a weak to moderate foliation at 45 deg to C.A. - matrix is chloritized (20 %) and plagioclase crystals are sericitized (30 to 40 %) - contains 10 % white quartz-calcite veins, 1 mm to 3 cm wide - 2 % finely disseminated pyrite - no visible copper mineralization - contacts at 60 deg to C.A - chlorite alteration as wisps in matrix and dark green bands and blebs in quartz veins	14044 14045	208.25 211.5	211.5 214.50	3.25 3.00	97.00 99.00	20 10	0.1 0.1	132 14	0.01 0.01
214.50	224.70	DACITIC TUFF - medium to dark grey - green - slightly foliated / banded at 50 deg to C.A., with sericitic, quartz, pyrite, and green mariposite ? bands - moderately sericitized, weakly chloritized and silicified - contains 1 % of a soft, white, clay mineral (montmorillonite ?) - possibly argillically altered ? - contains 10 to 12 % pyrite as fine disseminations and blebs, and as 1 to 5 mm stringers - contains traces to 0.4 % chalcocite and traces of native copper	14046 14047 14048 14049	214.50 217.00 220.00 223.00	217.00 220.00 223.00 224.70	2.50 3.00 3.00 1.70	88.00 95.00 90.00 91.00	210 390 390 210	0.5 0.6 1.2 5.5	2015 4395 3735 1966	0.25 0.49 0.43 0.24

METRES From	To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au ppb	Ag ppm	Cu ppm	Cu %
		- 3 % cloudy grey to white quartz, occassionally with blue-grey sulphide (chalcocite ?) filling microfactures - S.G. at 215.0 m - 2.96 g/cc									
224.70	225.40	ANDESITE DYKE - as in 197.03 to 190.97 m - medium green, fine-grained, homogeneous - moderately chloritized - pervasive and wisps and blebs in quartz-calcite veins - 15 % quartz-calcite veining - very fine-grained pyrite (< 1%) - no visible copper mineralization - fairly sharp upper and lower contacts at 40 deg to C.A. - < 1 cm bleached chill margin - S.G. at 225.0 m - 2.80 g/cc	14050	224.70	225.40	0.70	100.00	20	0.1	94	0.02
225.40	228.57	DACITIC TUFF - as in 214.50 to 224.70 m - intensely sericitized, weak silicification and chloritization - 10 % quartz-carbonate veining - 7 % disseminated and stringer pyrite - traces of chalcocite and chalcopyrite	14051 14052	225.40 227.00	227.00 228.57	1.60 1.57	101.00 101.00	240 140	0.2 0.1	2670 2695	0.33 0.34
228.57	229.70	ANDESITE DYKE - as in above mentioned dykes - medium green, fine-grained, homogeneous - 3 % quartz-calcite veining - < 1 % pyrite, no visible copper mineralization	14053	228.57	229.70	1.13	97.00	30	0.1	63	0.01
229.70	230.30	DACITE TUFF - as in 225.40 to 228.57 m - thin section of dacite tuff between andesite dykes - 45 % sericite, weak chlorite and silicification - 12 % pyrite, trace of chalcocite, as a grey coating on fracture surfaces	14054	229.70	230.30	0.60	90.00	280	0.2	2268	0.28
230.30	232.90	ANDESITE DYKE - as in above mentioned dykes - medium green, fine-grained, homogeneous - 10 % quartz-calcite veining - 2 % pyrite, trace of chalcopyrite in quartz-calcite veins - contacts at 60 deg to C.A	14055	230.30	232.90	2.60	93.00	50	0.1	395	0.05

METRES From	METRES To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au ppb	Ag ppm	Cu ppm	Cu %
232.90	279.50	DACITE TUFF - medium grey color, slightly foliated - alternating 1 to 5 mm bands of white clay, quartz and calcite, with sericite, pyrite, and rare chlorite - intensely sericitized (50%) - moderately clay altered (5 %) with montmorillonite? (ie soft white mineral) and a yellow to ochre colored clay mineral - weak silicification and 1 to 3 % quartz-calcite veins and blebs - traces of chalcocite throughout - rare specks of chalcopyrite - S.G. at 235.0 m - 2.98 g/cc 245.0 m - 2.87 g/cc 255.0 m - 2.92 g/cc 265.0 m - 2.80 g/cc 275.0 m - 2.93 g/cc - average S.G. = 2.90 g/cc DIP TEST (corrected) at 279.50 m - 56 degrees HOLE SHUT DOWN AT 279.50 m	14056	232.90	235.00	2.10	90.00	190	0.2	1368	0.16
			14057	235.00	238.00	3.00	98.00	130	0.1	585	0.08
			14058	238.00	241.00	3.00	97.00	90	0.1	296	0.04
			14059	241.00	244.00	3.00	71.00	140	0.5	2543	0.29
			14060	244.00	247.00	3.00	103.00	240	1.2	5412	0.59
			14061	247.00	250.00	3.00	98.00	250	0.8	4163	0.48
			14062	250.00	253.00	3.00	99.00	130	0.8	3534	0.42
			14063	253.00	256.00	3.00	94.00	160	0.3	2348	0.27
			14064	256.00	259.00	3.00	100.00	160	0.6	2638	0.31
			14065	259.00	262.00	3.00	103.00	150	0.3	1825	0.22
			14066	262.00	265.00	3.00	99.00	120	0.2	1077	0.13
			14067	265.00	268.00	3.00	99.00	110	0.2	654	
			14068	268.00	271.00	3.00	98.00	100	0.6	794	
			14069	271.00	274.00	3.00	93.00	100	0.2	930	
			14070	274.00	277.00	3.00	101.00	110	0.2	594	
			14071	277.00	279.5	2.50	100.00	130	0.1	757	

Ref	North	East	RL	Azim	Dip	Length	Category	Remarks
896	9901.85	9595.49	1659.62	058	60	279.5	B-zone	North-west of K88-14, on eastern edge of glacier

FROM	Dist	WDTH	RQ	ROCKNAME	UNT	TXT	SI	QV	SE	CY	CH	EF	CB	GM	A1	A2	IN	PY	CF	SF	CC	NC	M1	M2
F																								
	3.05			OVERBURDEN																				
3.05	6	2.95	41	DCIT ANDS FLOW		M.CG	1	1	15	10	15		5				50	3						
6.00	9	3.00	50	DCIT ANDS FLOW		M.CG			15	5	20		3				45	4						
9.00	12	3.00	43	DCIT ANDS FLOW		M.CG	2	2	20	2	20		5				55	2						
12.00	15	3.00	52	DCIT ANDS FLOW		M.CG	1	1	15	1	20		5				45	1						
15.00	18	3.00	42	DCIT ANDS FLOW		M.CG		1	20	1	15		3				45	2						
18.00	20	2.00	66	DCIT ANDS FLOW		M.CG		1	15	1	20		4				45	3						
20.00	21.95	1.95	61	DCIT ANDS FLOW		M.CG		1	15	1	25		2				45	2						
21.95	24	2.05	57	LPLL XTAL TUFF		M.CG			25		20		1				50	5						
24.00	27	3.00	52	LPLL XTAL TUFF		M.CG		1	20	2	20		1				45	6						
27.00	30	3.00	52	LPLL XTAL TUFF		M.CG	2	5	25	5	10						50	9						
30.00	33	3.00	49	LPLL XTAL TUFF		M.CG	1	2	25	3	3						40	6						
33.00	36	3.00	60	LPLL XTAL TUFF		M.CG	1	1	25	1	2						40	5						
36.00	37.87	1.87	59	LPLL XTAL TUFF		M.CG	1	2	25	2	3		1				40	6						
37.87	40	2.13	60	LPLL XTAL TUFF		M.CG	1	3	25		5		1				40	7						
40.00	43	3.00	64	LPLL XTAL TUFF		M.CG		1	25		10		1				40	4						
43.00	46	3.00	60	LPLL XTAL TUFF		M.CG		1	25		10		1				40	4						
46.00	49	3.00	54	LPLL XTAL TUFF		M.CG		1	35		10		1				50	5						
49.00	52	3.00	56	LPLL XTAL TUFF		M.CG		1	35		12		3				55	7						
52.00	55	3.00	62	LPLL XTAL TUFF		M.CG	1		30		12		1				50	5						
55.00	56.9	1.90	46	LPLL XTAL TUFF		M.CG	1	1	35		10		1				50	8						
56.90	57.2	0.30	42	LPLL XTAL TUFF		M.CG	60		20		2						20							
57.20	60	2.80	45	DCIT LPLL TUFF		F.MG	2	1	30	2	10		8				60	13						
60.00	63	3.00	38	DCIT LPLL TUFF		F.MG	2	2	15	1	20						45	12	.1					
63.00	66	3.00	38	DCIT LPLL TUFF		F.MG	1	1	15	1	20						45	15	.1					
66.00	69	3.00	47	DCIT LPLL TUFF		F.MG		3	20	1	30						55	12						
69.00	72	3.00	57	DCIT LPLL TUFF		F.MG		3	25	1	15		1				50	10	.2					
72.00	75	3.00	57	DCIT LPLL TUFF		F.MG		7	20		30		1				60	10	.5					
75.00	78	3.00	49	DCIT LPLL TUFF		F.MG		10	18	1	35		1				65	7	.1					
78.00	81	3.00	60	DCIT LPLL TUFF		F.MG	1	5	15	1	35		1				60	5	.1					
81.00	84	3.00	56	DCIT LPLL TUFF		F.MG	2	5	15	1	30						55	15						
84.00	85.46	1.46	38	DCIT LPLL TUFF		F.MG	1	7	20	2	30						60	12	.3		.1			
85.46	88	2.54	42	ARGILLITE		FG	25	5	3		5						50	18	1		.1			
88.00	91	3.00	28	ARGILLITE		FG	35	5	2		3						55	18	1		3			
91.00	91.25	0.25	95	CHERT		FG	50	5	20		3						30	3	1					
91.25	91.64	0.39	50	SI STWK		FG	65		5		2						100	20	3		.2			
91.64	94	2.36	56	SI STWK		FG	70		2		1						100	20	4		.2			
94.00	97	3.00	43	SI STWK		FG	70		3		2						100	18	3		.2			
97.00	100	3.00	53	SI STWK		FG	60		5	1	8						95	15	3		.3			
100.00	103	3.00	52	SI STWK		FG	20	5	15		20		2				75	10	1					
103.00	106	3.00	48	DCIT LPLL TUFF		F.MG	10	3	20	1	20		1				60	12	1					
106.00	109	3.00	44	DCIT LPLL TUFF		F.MG	5	3	15	1	30		2				60	7	.2					
109.00	111.9	2.90	48	DCIT LPLL TUFF		F.MG	1	2	10	1	35		2				55	6						
111.90	114	2.10	19	FAULT ZONE		SHRD	1	1	45	1	3		1				65	9			.1			
114.00	117	3.00	21	FAULT ZONE		SHRD	5	2	40	3	5						70	4			.2			
117.00	120	3.00	18	FAULT ZONE		SHRD	1	2	35	8	1		1				65	7			.1			
120.00	123	3.00	19	FAULT ZONE		SHRD	3	2	40	8	5		1				70	6			.3			
123.00	126	3.00	16	FAULT ZONE		SHRD	5		40	10	2						70	9			.3			
126.00	129	3.00	15	FAULT ZONE		SHRD	1		35	15	3						65	7			.4			
129.00	132	3.00	15	FAULT ZONE		SHRD	2		35	10	8						75	7			.4			
132.00	135	3.00	16	FAULT ZONE		SHRD	2	2	30	20	15						80	7			.4			
135.00	138	3.00	16	FAULT ZONE		SHRD	3		30	15	15						80	7			1			

Ref	North	East	RL	Azim	Dip	Length	Category	Remarks
896	9901.85	9595.49	1659.62	058	60	279.5	B-zone	North-west of K88-14, on eastern edge of glacier

FROM	Dist	WDTH	RQ	ROCKNAME	UNT	TXT	SI	QV	SE	CY	CH	EP	CB	GM	A1	A2	IN	PY	CP	SF	CC	NC	M1	M2
F																								
138.00	141	3.00	15	FAULT ZONE		SHRD	3	2	35	15	15						90	5			.8			
141.00	144	3.00	15	FAULT ZONE		SHRD	2		40	20	12						85	4			.8			
144.00	147	3.00	15	FAULT ZONE		SHRD	3	2	45	20	8						85	6			.8			
147.00	150	3.00	13	FAULT ZONE		SHRD	3		50	20	5				.1		95	6			.6			
150.00	153	3.00	10	FAULT ZONE		SHRD	5	2	60	20	3				.1		95	7			.6			
153.00	156	3.00	18	FAULT ZONE		SHRD	5	2	40	30	10						95	10			.8			
156.00	159	3.00	19	FAULT ZONE		SHRD		1	35	40	8						95	10			.5	.1		
159.00	160.2	1.20	15	FAULT ZONE		SHRD	3	1	30	40	8						95	12			.7	.1		
160.20	163	2.80	24	DCIT LPLL TUFF		F.MG	20	5	30	15	5						80	10	.1		.8			
163.00	166	3.00	35	DCIT LPLL TUFF		F.MG	8	5	40	10	5						75	18			1			
166.00	169	3.00	31	DCIT LPLL TUFF		F.MG	8	5	35	10	5						70	18	.1		1	.1		
169.00	172	3.00	27	DCIT LPLL TUFF		F.MG	10	5	35	15	8			1			75	10			.8	.1		
172.00	175	3.00	40	DCIT LPLL TUFF		F.MG	10	7	40	15	5			1			80	12	.1		1	.2		
175.00	178	3.00	38	DCIT LPLL TUFF		F.MG	15	5	40	10	3						75	10			.7	.2		
178.00	180	2.00	32	DCIT LPLL TUFF		F.MG	20	5	40	10	3						80	8			.5			
180.00	181.6	1.60	36	DCIT LPLL TUFF		F.MG	10	3	35	8	3						70	7			.4			
181.60	183	1.40	16	FAULT ZONE		SHRD	2		50	25	5						90	5			.2			
183.00	185	2.00	17	FAULT ZONE		SHRD	1		50	25	5						90	3	.1		.2			
185.00	187.22	2.22	21	FAULT ZONE		SHRD	1		45	25	8						90	4			.1			
187.22	189	1.78	44	ANDS DYKE		FG		10	5	3	25						45	.3						
189.00	190.97	1.97	40	ANDS DYKE		FG		2	2	5	25							.3						
190.97	193	2.03	19	FAULT ZONE		SHRD		2	50	5	10						80	6			.2			
193.00	195	2.00	16	FAULT ZONE		SHRD	5	5	50	5	3						80	8			.7			
195.00	197.03	2.03	19	FAULT ZONE		SHRD	1	3	45	8	5						75	12			1.5	.2		
197.03	199.68	2.65	51	ANDS DYKE		FG		5	5	10	25		1				50	.5						
199.68	201	1.32	24	FAULT ZONE		SHRD		3	35	25	15						95	12			.4			
201.00	204	3.00	17	FAULT ZONE		SHRD		2	35	30	15				.1		95	12			1			
204.00	206	2.00	23	FAULT ZONE		SHRD		1	35	25	20						95	10			.5			
206.00	208.25	2.25	23	FAULT ZONE		SHRD	7	3	40	15	15		2				90	6			.2			
208.25	211.5	3.25	49	PLAG PRPH		F.CG	1	7	20		30		5				65	2						
211.50	214.5	3.00	50	PLAG PRPH		F.CG	1	2	20		30		2				60	2						
214.50	217	2.50	42	DCIT TUFF		F.MG	3	3	35	2	7		1	1			60	4			.2	.1		
217.00	220	3.00	48	DCIT TUFF		F.MG	2	5	40	3	8		2	1			75	10			.2			
220.00	223	3.00	20	DCIT TUFF		F.MG	2	5	40	5	5		1	1			70	10			.3			
223.00	224.7	1.70	36	DCIT TUFF		F.MG	2	10	40	3	1		3				70	7			.1			
224.70	225.4	0.70	50	ANDS DYKE		FG		7	2		15		3				30	.5						
225.40	227	1.60	49	DCIT TUFF		F.MG	3	5	45	3	5		3				75	6	.1		.2			
227.00	228.57	1.57	37	DCIT TUFF		F.MG	2	7	50	2	1		4				75	8			.1			
228.57	229.7	1.13	57	ANDS DYKE		FG		2	2		15		1				20	.5						
229.70	230.3	0.60	41	DCIT TUFF		F.MG	1	5	45	7	1		3				70	12			.1			
230.30	232.9	2.60	45	ANDS DYKE		FG		8	2	1	15		5					2	.1					
232.90	235	2.10	48	DCIT TUFF		F.MG	3	3	65		3						80	10			.1			
235.00	238	3.00	48	DCIT TUFF		F.MG	5	3	65		2		2				80	6			.1			
238.00	241	3.00	24	DCIT TUFF		F.MG	4	2	65		2						80	8	.1		.1			
241.00	244	3.00	9	DCIT TUFF		F.MG	5	10	10		2		1				95	8			.1			
244.00	247	3.00	30	DCIT TUFF		F.MG	7	8	65		1		1				90	10			.1		.1	
247.00	250	3.00	48	DCIT TUFF		F.MG	2	3	60		1		2				80	12			.1			
250.00	253	3.00	45	DCIT TUFF		F.MG	2	5	60		5		1				80	10			.2			
253.00	256	3.00	29	DCIT TUFF		F.MG	2	3	60		1		2				75	12						
256.00	259	3.00	35	DCIT TUFF		F.MG	4	3	60		1		1				75	10			.1			
259.00	262	3.00	51	DCIT TUFF		F.MG	2	1	60	1	1		1				70	12			.1			
262.00	265	3.00	45	DCIT TUFF		F.MG	1	1	55	5				2			70	7			.1			

Ref	North	East	RL	Azim	Dip	Length	Category	Remarks
896	9901.85	9595.49	1659.62	058	60	279.5	B-zone	North-west of K88-14, on eastern edge of glacier

FROM	Dist	WDTH	RQ	ROCKNAME	UNT	TXT	SI	QV	SE	CY	CH	EP	CB	GM	A1	A2	IN	PY	CP	SP	CC	NC	M1	M2	F
265.00	268	3.00	20	DCIT TUFF		F.MG		1	55	8	1		1	1			70	9							
268.00	271	3.00	47	DCIT TUFF		F.MG		1	55	5			2				70	7			.1				
271.00	274	3.00	26	DCIT TUFF		F.MG		2	55	3	1		2				70	7			.1				
274.00	277	3.00	31	DCIT TUFF		F.MG	1	1	55	3			5				70	8			.2				
277.00	279.5	2.50	47	DCIT TUFF		F.MG		1	55	5			3				70	6			.1				

1988 Triumph Street, Vancouver, B.C. V5L 1K5
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ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Pd, Pt, Sn, Sr and W.

ANALYST:

REPORT #: 890436 PA | WESTERN CANADIAN | Proj: 9101 | Date In: 89/08/09 | Date Out:89/08/16 | Att: B BUTTERWORTH |

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sn ppm	Sr ppm	U ppm	W ppm	Zn ppm
13414	1.1	1.63	36	116	<3	1.97	0.1	12	17	105	3.28	0.01	1.20	1388	2	0.01	8	0.13	24	<2	<2	94	<5	<3	131
13415	1.1	1.08	194	25	<3	1.09	0.1	18	15	275	3.78	0.01	0.59	1118	4	0.01	9	0.15	63	<2	<2	47	<5	<3	130
13416	0.1	1.87	62	40	<3	2.67	0.1	13	18	62	3.30	0.02	1.34	2205	1	0.01	7	0.13	45	<2	<2	131	<5	<3	78
13417	0.1	1.81	37	104	<3	2.39	0.1	12	13	55	3.27	0.01	1.43	1491	1	0.01	7	0.14	26	<2	<2	125	<5	<3	64
13418	0.2	1.78	65	27	<3	2.74	0.4	13	13	67	3.40	0.01	1.31	2264	1	0.01	7	0.14	117	<2	<2	127	<5	<3	190
13419	0.2	1.66	54	130	<3	3.43	0.1	11	9	74	2.99	0.01	1.15	2202	1	0.01	5	0.13	33	<2	<2	160	<5	<3	116
13420	0.3	1.68	70	79	<3	2.47	0.1	12	8	74	3.55	0.01	1.15	1894	2	0.01	6	0.13	59	<2	<2	123	<5	<3	172
13421	0.1	1.46	138	20	<3	0.28	0.1	18	13	322	4.70	0.01	0.60	378	5	0.01	11	0.19	60	<2	<2	13	<5	<3	161
13422	0.2	0.95	107	12	<3	0.22	0.8	24	12	354	5.69	0.01	0.39	178	9	0.01	13	0.17	37	<2	2	13	<5	<3	117
13423	0.2	0.53	108	13	<3	0.23	0.1	18	17	479	5.86	0.01	0.18	143	6	0.01	10	0.17	34	<2	2	14	<5	<3	62
13424	0.1	0.89	60	15	<3	0.65	0.1	18	8	361	4.79	0.02	0.64	729	3	0.01	10	0.16	45	<2	2	42	<5	<3	138
13425	0.2	0.61	55	11	<3	0.32	0.4	16	23	424	5.26	0.03	0.19	163	5	0.01	10	0.17	44	<2	2	22	<5	<3	90
13426	0.3	0.41	91	12	<3	0.53	43.6	17	12	278	5.21	0.04	0.23	486	5	0.14	10	0.18	379	<2	2	39	<5	<3	8084
13427	0.2	0.46	68	10	<3	0.66	0.9	28	18	176	6.75	0.06	0.26	351	6	0.02	32	0.16	69	<2	3	48	<5	<3	102
13428	0.1	1.19	63	48	<3	2.80	0.1	12	6	157	3.22	0.01	1.25	1986	1	0.01	7	0.13	27	<2	<2	178	<5	<3	146
13429	0.1	1.58	87	28	<3	1.79	0.1	13	12	135	3.80	0.10	1.32	1624	2	0.01	9	0.14	46	<2	<2	112	<5	<3	239
13430	2.3	0.75	70	12	<3	0.40	2.2	23	13	742	5.93	0.07	0.38	499	8	0.02	20	0.18	112	<2	3	22	<5	<3	455
13431	0.4	1.23	66	19	<3	1.27	1.7	26	11	257	5.30	0.01	0.95	2126	2	0.02	17	0.20	65	<2	2	65	<5	<3	415
13432	0.1	1.58	35	42	<3	1.31	1.9	15	3	89	3.84	0.01	1.11	1874	1	0.02	6	0.22	45	<2	<2	61	<5	<3	674
13433	0.6	0.46	93	9	3	0.25	1.7	29	21	306	7.59	0.10	0.07	69	6	0.02	42	0.18	69	<2	4	40	<5	<3	378
13434	0.1	0.88	15	83	<3	0.18	0.1	5	12	26	2.20	0.04	0.46	342	9	0.03	6	0.06	15	<2	<2	24	<5	<3	74
13435	4.1	0.45	192	6	<3	0.66	0.3	18	22	6117	6.36	0.13	0.27	1158	6	0.02	13	0.14	65	<2	3	99	<5	<3	108
13436	38.3	0.56	201	16	<3	0.54	1.4	31	16	10340	4.55	0.11	0.25	2697	14	0.02	13	0.12	84	315	2	49	<5	<3	343
13437	2.3	0.93	176	12	<3	0.43	0.9	29	14	3195	7.20	0.01	0.30	1579	10	0.02	13	0.22	47	<2	3	46	<5	<3	188
13438	1.7	1.14	230	16	<3	0.36	0.1	18	23	3768	5.28	0.11	0.30	1584	14	0.02	9	0.23	52	<2	2	30	<5	<3	170
13439	1.3	0.90	537	21	<3	1.10	0.1	15	12	3079	4.39	0.01	0.51	2997	13	0.02	7	0.22	48	<2	2	89	<5	<3	317
13440	1.6	1.50	438	21	<3	0.71	0.1	19	16	3982	5.34	0.16	0.69	1621	17	0.02	8	0.26	66	<2	2	45	<5	<3	327
13441	1.2	1.02	100	40	<3	0.76	0.9	25	26	3849	4.47	0.15	0.81	1177	32	0.02	12	0.25	82	<2	2	61	<5	<3	605
13442	0.6	2.40	134	29	3	0.70	1.1	26	8	3036	6.89	0.20	1.28	1263	18	0.03	16	0.25	49	<2	<2	59	<5	<3	791
13443	1.8	0.68	157	19	<3	0.52	1.2	45	14	4842	6.31	0.19	0.30	502	21	0.03	17	0.25	80	<2	2	171	<5	<3	1243
13444	1.2	0.68	174	18	<3	0.32	0.9	28	25	4434	4.06	0.12	0.28	317	13	0.02	10	0.22	50	<2	<2	26	<5	<3	647
13445	1.0	0.39	256	25	<3	0.05	1.2	73	10	6380	3.57	0.08	0.03	30	3	0.01	20	0.03	38	<2	<2	22	<5	<3	188
13446	1.3	0.43	190	22	<3	0.10	0.4	49	24	9076	3.81	0.10	0.04	38	4	0.01	14	0.07	43	<2	2	33	<5	<3	107
13447	0.3	0.45	112	118	<3	1.07	4.7	18	11	2007	3.88	0.01	1.34	2158	3	0.03	8	0.18	65	<2	2	50	<5	<3	1541
13448	6.9	0.23	1829	19	<3	0.21	0.9	13	113	>20000	6.45	0.18	0.07	113	7	0.03	12	0.12	383	<2	4	22	<5	<3	814
13449	8.7	0.13	367	23	<3	0.02	1.1	27	98	>20000	6.58	0.16	0.03	54	6	0.02	12	0.01	45	<2	4	3	<5	<3	185
13450	6.4	0.14	298	31	<3	0.01	0.6	10	194	>20000	5.04	0.01	0.02	58	10	0.01	9	0.01	20	<2	4	1	<5	<3	233
14001	5.0	0.64	178	15	<3	0.21	1.1	20	55	>20000	6.25	0.19	0.22	275	5	0.02	11	0.13	48	<2	4	9	<5	<3	315
14002	0.2	1.47	44	86	<3	1.14	0.1	15	23	4222	3.55	0.25	0.44	1427	3	0.01	7	0.26	51	<2	<2	70	<5	<3	220
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum AuFA = Fire assay/AAS

REPORT #: 890436 PA | WESTERN CANADIAN | Proj: 9101 | Date In: 89/08/09 | Date Out:89/08/16 | Att: B BUTTERWORTH |

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
14003	0.9	1.51	369	22	<3	0.57	2.1	30	39	6862	8.10	0.33	0.47	1082	4	0.02	17	0.31	56	<2	2	18	<5	<3	374
14004	0.3	3.01	63	102	<3	0.81	1.5	27	25	3237	6.29	0.31	1.04	1570	3	0.02	16	0.30	31	<2	<2	30	<5	<3	424
14005	0.6	3.53	90	110	<3	0.82	1.1	27	14	2820	7.34	0.34	1.48	1630	4	0.02	16	0.28	35	<2	<2	26	<5	<3	471
14006	2.4	0.58	395	7	<3	0.86	1.2	24	22	2060	7.84	0.37	0.07	903	4	0.02	11	0.23	169	26	3	67	<5	<3	220
14007	0.1	1.54	25	13	<3	0.34	0.8	20	17	1415	5.37	0.21	0.80	483	8	0.02	8	0.25	39	<2	2	16	<5	<3	169
14008	0.1	1.28	19	11	<3	0.34	0.7	24	17	1492	5.34	0.21	0.64	358	7	0.01	7	0.25	36	<2	<2	14	<5	<3	120
14009	0.2	1.35	27	13	<3	0.34	1.5	20	32	1795	5.05	0.20	0.64	731	12	0.02	8	0.25	37	<2	2	53	<5	<3	174
14010	0.7	1.65	27	11	<3	0.28	0.8	23	20	3865	5.55	0.21	0.83	260	40	0.01	9	0.24	41	<2	2	69	<5	<3	139
14011	1.9	2.32	51	8	<3	0.26	1.5	25	22	7954	6.90	0.25	1.03	295	50	0.02	13	0.27	73	<2	2	129	<5	<3	316
14012	1.9	1.87	44	10	<3	0.27	1.5	26	31	7914	6.10	0.24	0.79	220	45	0.02	16	0.26	61	<2	2	196	<5	<3	228
14013	1.2	1.84	38	10	<3	0.23	1.1	28	47	9130	6.32	0.24	0.83	268	73	0.01	16	0.23	38	<2	3	184	<5	<3	143
14014	2.1	1.37	40	11	<3	0.27	1.1	23	34	11544	5.44	0.21	0.71	203	39	0.01	9	0.28	54	<2	2	85	<5	<3	109
14015	1.2	1.86	49	12	<3	0.29	1.1	23	25	8820	5.95	0.23	0.88	324	37	0.02	8	0.33	45	<2	2	160	<5	<3	188
14016	1.5	1.18	45	12	<3	0.28	0.6	18	35	9731	4.84	0.20	0.46	135	33	0.01	8	0.33	49	<2	2	263	<5	<3	107
14017	2.7	0.84	52	11	<3	0.16	0.7	21	56	14912	5.19	0.19	0.21	67	24	0.01	7	0.20	46	<2	2	136	<5	<3	57
14018	14.1	0.53	188	11	<3	0.03	1.7	22	36	12233	4.88	0.15	0.17	39	11	0.01	7	0.07	176	146	2	59	<5	<3	215
14019	4.9	0.37	71	7	<3	0.01	1.9	21	50	9260	6.70	0.20	0.03	19	22	0.02	13	0.01	85	<2	4	14	<5	<3	134
14020	1.7	0.99	79	6	<3	0.14	1.5	23	65	6336	7.74	0.25	0.20	191	35	0.02	9	0.20	79	<2	3	26	<5	<3	122
14021	2.5	1.36	49	8	<3	0.33	4.5	28	69	5020	8.50	0.31	0.43	1340	29	0.03	11	0.22	325	<2	3	59	<5	<3	611
14022	0.8	1.85	54	19	<3	0.23	1.2	25	52	5547	6.41	0.23	0.57	294	27	0.02	9	0.39	103	<2	2	131	<5	<3	199
14023	3.4	0.89	63	10	<3	0.23	2.2	25	50	12619	5.38	0.20	0.17	74	17	0.02	12	0.32	88	<2	3	62	<5	<3	467
14024	4.3	0.84	90	5	<3	0.26	2.5	19	49	11727	8.84	0.30	0.17	123	13	0.02	10	0.26	117	<2	4	33	<5	<3	277
14025	1.5	1.07	54	11	<3	0.37	1.5	19	78	7452	6.11	0.24	0.32	339	12	0.02	9	0.27	104	<2	3	42	<5	<3	184
14026	3.1	1.02	45	10	<3	0.29	2.2	21	51	9630	6.11	0.23	0.31	194	9	0.02	8	0.23	68	<2	3	31	<5	<3	357
14027	1.5	0.84	49	9	<3	0.49	2.5	20	80	7172	6.14	0.26	0.29	780	16	0.02	8	0.18	228	<2	3	39	<5	<3	410
14028	1.9	0.73	65	9	<3	0.67	4.1	21	76	6876	6.19	0.29	0.42	1117	14	0.02	9	0.19	196	<2	3	32	<5	<3	738
14029	1.7	0.73	59	10	<3	0.57	1.7	24	79	7850	6.10	0.27	0.43	1043	10	0.02	10	0.22	72	<2	3	23	<5	<3	199
14030	3.1	0.57	272	7	<3	0.41	1.9	25	53	5280	6.90	0.27	0.16	402	18	0.02	8	0.23	79	<2	3	20	<5	<3	339
14031	2.5	1.87	123	12	<3	0.26	5.8	15	38	4697	5.65	0.21	1.37	566	30	0.03	8	0.20	61	<2	2	25	<5	<3	1686
14032	1.7	1.72	56	17	<3	0.28	3.3	15	52	4689	5.00	0.19	1.17	480	40	0.02	8	0.22	68	<2	2	29	<5	<3	915
14033	1.7	2.04	57	15	<3	0.29	4.3	23	24	3952	6.66	0.25	1.57	2504	28	0.03	10	0.21	82	<2	3	52	<5	<3	1379
14034	0.1	2.29	25	656	<3	0.59	1.1	13	14	304	5.98	0.28	1.08	2801	7	0.03	5	0.12	31	<2	<2	43	<5	<3	439
14035	0.1	3.95	31	534	4	0.48	2.9	23	7	508	9.50	0.37	2.09	4531	5	0.04	8	0.26	52	<2	<2	33	<5	<3	702
14036	1.2	2.25	36	17	<3	0.25	1.2	22	34	4333	5.73	0.21	1.59	702	31	0.02	10	0.21	104	<2	<2	54	<5	<3	422
14037	7.6	1.54	108	10	<3	0.26	5.3	20	40	5568	6.24	0.23	1.18	467	20	0.03	10	0.21	133	<2	2	41	<5	<3	959
14038	1.9	1.35	37	11	<3	0.29	2.1	22	21	4475	5.35	0.21	0.80	688	17	0.02	7	0.22	78	<2	2	44	<5	<3	338
14039	0.1	2.38	20	683	<3	1.18	1.4	12	23	223	5.66	0.36	1.17	3045	8	0.03	6	0.10	31	<2	<2	59	<5	<3	447
14040	3.5	2.32	48	19	<3	0.62	11.6	22	25	7045	6.98	0.31	1.43	1789	15	0.04	13	0.24	284	<2	2	47	<5	<3	1889
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum AuFA = Fire assay/AAS

ANOMALOUS RESULTS:
FURTHER ANALYSES
BY ALTERNATE
METHODS SUGGESTED

ACME ANALYTICAL LABORATORIES LTD.
1988 Triumph Street, Vancouver, B.C. V5L 1K5
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Pd, Pt, Sn, Sr and W.

ANALYST: JC Wang

REPORT #: 890449 PA | WESTERN CANADIAN MINING C | Proj: 9101 | Date In: 89/08/11 | Date Out:89/08/17 | Att: B. BUTTERWORTH | Page 1 of 1

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sn ppm	Sr ppm	U ppm	W ppm	Zn ppm
14041	1.5	1.10	30	12	<3	0.34	5.5	12	9	4780	3.63	0.01	0.70	833	16	0.01	6	0.16	287	<2	<2	19	<5	<3	1523
14042	3.4	1.19	53	9	<3	0.92	13.6	16	22	5514	5.27	0.30	1.35	3205	12	0.01	7	0.13	297	<2	<2	19	<5	<3	3562
14043	2.7	0.70	41	7	<3	0.40	2.5	15	25	6432	4.87	0.20	0.51	880	7	0.01	13	0.14	95	<2	<2	30	<5	<3	446
14044	0.1	1.47	<3	>1000	<3	2.59	0.3	7	16	132	2.33	0.47	0.93	1584	<1	0.01	1	0.10	18	<2	<2	157	<5	<3	113
14045	0.1	1.22	<3	315	<3	1.95	0.1	6	10	14	1.99	0.35	0.77	1061	<1	0.01	6	0.09	11	<2	<2	67	<5	<3	83
14046	0.5	0.62	15	15	<3	0.58	1.3	20	31	2015	4.53	0.22	0.41	592	20	0.01	9	0.16	24	<2	<2	23	<5	<3	89
14047	0.6	0.53	38	6	<3	0.62	1.5	35	31	4395	7.04	0.30	0.38	468	26	0.01	55	0.19	38	<2	2	30	<5	<3	85
14048	1.2	0.49	250	7	<3	0.75	1.2	29	55	3735	6.17	0.30	0.47	556	33	0.01	45	0.17	93	128	2	79	<5	<3	161
14049	5.5	0.27	102	6	<3	0.99	0.8	21	30	1966	5.46	0.31	0.25	540	30	0.01	16	0.15	418	<2	2	40	<5	<3	59
14050	0.1	3.74	18	85	<3	1.50	1.7	17	11	94	7.05	0.44	2.02	1244	2	0.02	3	0.25	31	<2	<2	42	<5	<3	273
14051	0.2	0.55	27	8	<3	1.20	1.1	27	27	2670	6.08	0.36	0.33	568	41	0.01	37	0.15	41	<2	2	43	<5	<3	43
14052	0.1	0.23	32	6	<3	0.71	0.8	20	25	2695	5.19	0.26	0.08	253	34	0.01	22	0.14	39	<2	2	89	<5	<3	21
14053	0.1	3.84	13	46	<3	1.14	1.9	17	4	63	7.07	0.38	2.26	1141	4	0.01	4	0.26	24	<2	<2	28	<5	<3	291
14054	0.2	0.27	15	10	<3	1.36	1.1	17	26	2268	5.47	0.37	0.24	606	63	0.01	21	0.15	20	<2	<2	43	<5	<3	16
14055	0.1	3.77	11	39	<3	1.74	1.5	15	10	395	6.85	0.47	2.21	1290	5	0.01	3	0.26	28	<2	<2	53	<5	<3	221
14056	0.2	0.28	29	8	<3	0.65	0.7	17	25	1368	5.45	0.26	0.19	266	34	0.01	15	0.16	43	<2	2	28	<5	<3	17
14057	0.1	0.34	26	6	<3	1.27	1.1	14	23	585	5.09	0.34	0.62	783	11	0.01	3	0.15	30	<2	2	77	<5	<3	54
14058	0.1	0.28	34	6	<3	0.63	0.8	15	32	296	5.45	0.26	0.26	384	4	0.01	22	0.15	66	<2	2	36	<5	<3	31
14059	0.5	0.25	265	9	<3	0.70	0.7	15	48	2543	4.46	0.24	0.25	410	18	0.01	6	0.18	44	<2	2	31	<5	<3	107
14060	1.2	0.25	192	6	<3	0.67	1.9	17	47	5412	5.67	0.27	0.17	380	21	0.01	31	0.15	64	<2	2	26	<5	<3	209
14061	0.8	0.27	19	10	<3	0.98	0.8	15	35	4163	4.56	0.28	0.17	386	7	0.01	9	0.16	21	<2	2	28	<5	<3	49
14062	0.8	0.23	238	7	<3	0.94	0.7	16	28	3534	4.64	0.28	0.20	401	19	0.01	17	0.15	44	<2	2	64	<5	<3	128
14063	0.3	0.49	19	7	<3	1.14	0.7	17	32	2348	4.90	0.31	0.33	545	10	0.01	6	0.16	28	<2	2	40	<5	<3	111
14064	0.6	0.43	27	7	<3	1.05	1.5	19	27	2638	5.29	0.31	0.23	526	12	0.01	24	0.18	43	<2	2	33	<5	<3	172
14065	0.3	0.44	19	8	<3	0.96	1.3	16	31	1825	5.29	0.30	0.24	428	8	0.01	5	0.17	38	<2	2	32	<5	<3	110
14066	0.2	0.38	22	9	<3	1.47	1.1	18	27	1077	6.48	0.42	0.25	297	4	0.01	21	0.16	37	<2	3	166	<5	<3	68
14067	0.2	0.30	92	8	<3	1.54	1.2	17	38	654	5.51	0.40	0.22	245	3	0.01	10	0.17	55	<2	2	185	<5	<3	131
14068	0.6	0.31	137	6	<3	1.40	1.2	17	31	794	5.66	0.38	0.19	553	7	0.01	29	0.16	48	<2	2	49	<5	<3	125
14069	0.2	0.36	29	7	<3	1.43	0.7	16	37	930	5.75	0.39	0.21	652	3	0.01	10	0.17	41	<2	2	48	<5	<3	92
14070	0.2	0.29	66	8	<3	1.24	1.2	18	24	594	6.46	0.39	0.17	670	7	0.01	19	0.17	44	<2	3	38	<5	<3	70
14071	0.1	0.36	26	8	<3	1.10	1.1	18	41	757	6.22	0.35	0.19	780	10	0.01	11	0.18	26	<2	2	39	<5	<3	34
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum AuFA = Fire assay/AAS

ANOMALOUS RESULTS:
FURTHER ANALYSES
BY ALTERNATE
METHODS SUGGESTED

VGC VANGEOCHEM LAB LIMITED

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BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: B90436 GA JOB NUMBER: B90436 WESTERN CANADIAN MINING CORP.

SAMPLE #	Au ppb
13414	40
13415	170
13416	20
13417	30
13418	50
13419	40
13420	60
13421	110
13422	90
13423	210
13424	60
13425	50
13426	40
13427	100
13428	90
13429	70
13430	140
13431	60
13432	30
13433	120
13434	20
13435	280
13436	530
13437	220
13438	310
13439	600
13440	290
13441	110
13442	80
13443	80
13444	40
13445	50
13446	140
13447	120
13448	370
13449	2240
13450	610
14001	560
14002	170
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

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SAMPLE #	Au ppb
14003	190
14004	60
14005	50
14006	180
14007	50
1400B	60
14009	130
14010	220
14011	270
14012	330
14013	430
14014	490
14015	340
14016	240
14017	320
1401B	500
14019	350
14020	350
14021	300
14022	290
14023	400
14024	450
14025	260
14026	330
14027	350
1402B	270
14029	310
14030	190
14031	210
14032	180
14033	220
14034	30
14035	10
14036	200
14037	420
1403B	190
14039	20
14040	290

DETECTION LIMIT 5

nd = none detected -- = not analysed is = insufficient sample

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RENO, NEVADA, U.S.A.

REPORT NUMBER: B90449 GA JOB NUMBER: B90449 WESTERN CANADIAN MINING CORP.

SAMPLE #	Au ppb
14041	190
14042	390
14043	310
14044	20
14045	10
14046	210
14047	390
14048	390
14049	210
14050	20
14051	240
14052	140
14053	30
14054	280
14055	50
14056	190
14057	130
14058	90
14059	140
14060	240
14061	250
14062	130
14063	160
14064	160
14065	150
14066	120
14067	110
14068	100
14069	100
14070	110
14071	130

DETECTION LIMIT 5
nd = none detected -- = not analysed is = insufficient sample

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REPORT NUMBER: 890436A AB JOB NUMBER: 890436A WESTERN CANADIAN MINING CORP.

SAMPLE #	Cu %
13435	.64
13436	.98
13437	.33
13438	.40
13439	.33
13440	.42
13441	.41
13442	.31
13443	.48
13444	.46
13445	.62
13446	.85
13447	.21
13448	2.21
13449	4.01
13450	3.87
14001	2.52
14002	.44
14003	.61
14004	.30
DETECTION LIMIT	.01

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

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SAMPLE #	Cu %
14005	.26
14006	.19
14007	.13
14008	.14
14009	.16
14010	.35
14011	.68
14012	.67
14013	.79
14014	.90
14015	.70
14016	.79
14017	1.10
14018	.96
14019	.77
14020	.54
14021	.44
14022	.47
14023	.99
14024	.93
DETECTION LIMIT	.01

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

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SAMPLE #	Cu %
14025	.60
14026	.78
14027	.58
14028	.55
14029	.65
14030	.45
14031	.40
14032	.41
14033	.34
14034	.03
14035	.05
14036	.37
14037	.47
14038	.38
14039	.02
14040	.57

DETECTION LIMIT .01

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

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REPORT NUMBER: 890449 AA JOB NUMBER: 890449 **WESTERN CANADIAN MINING CORP.**

SAMPLE #	Cu %
14041	.57
14042	.66
14043	.77
14044	.01
14045	.01
14046	.25
14047	.49
14048	.43
14049	.24
14050	.02
14051	.33
14052	.34
14053	.01
14054	.28
14055	.05
14056	.16
14057	.08
14058	.04
14059	.29
14060	.59
DETECTION LIMIT	.01

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001Z ppm = parts per million < = less than

signed: _____

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SAMPLE #	Cu %
14061	.48
14062	.42
14063	.27
14064	.31
14065	.22
14066	.13

DETECTION LIMIT .01

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

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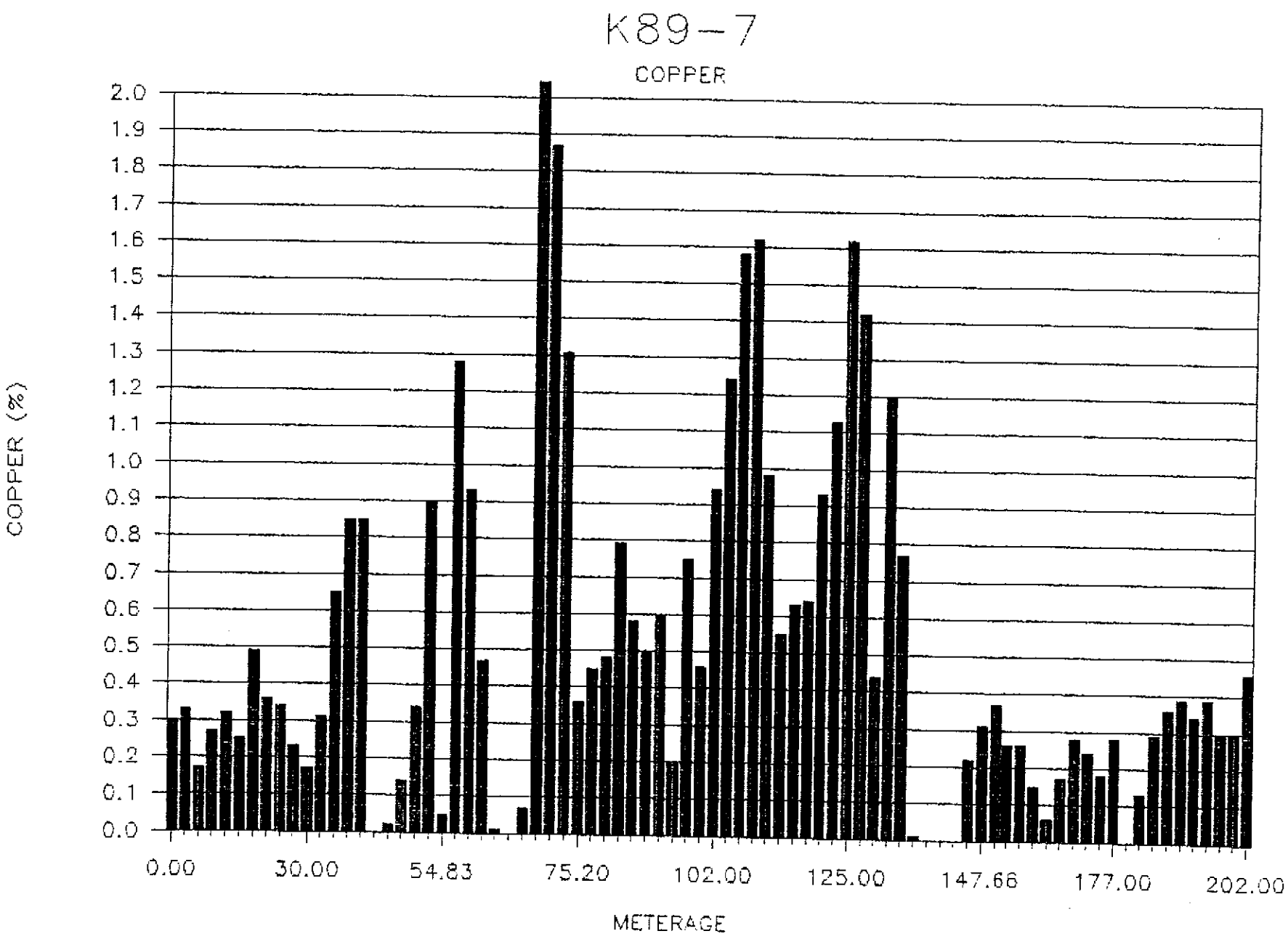
REPORT NUMBER: B90436 AA JOB NUMBER: B90436 WESTERN CANADIAN MINING CORP.

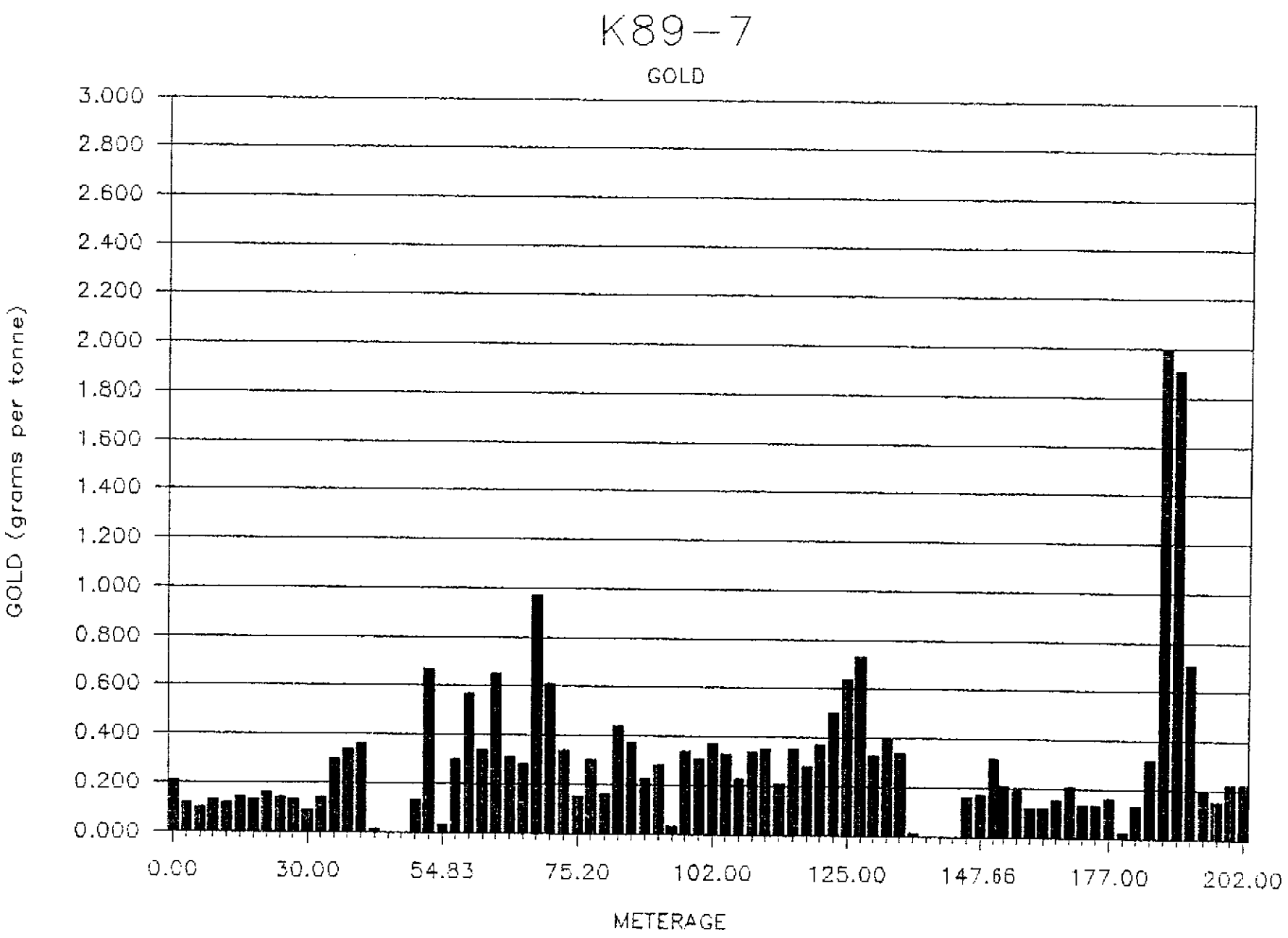
SAMPLE #	Ag oz/st	Au oz/st
13436	1.21	.010
14018	.42	.006

DETECTION LIMIT	.01	.005

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____


K89-7
COPPER
COPPER (%)
2.0
1.9
1.8
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
0.00
30.00
54.83
75.20
102.00
125.00
147.66
177.00
202.00
METERAGE


K89-7
GOLD
GOLD (grams per tonne)
3.000
2.800
2.600
2.400
2.200
2.000
1.800
1.600
1.400
1.200
1.000
0.800
0.600
0.400
0.200
0.000
0.00
30.00
54.83
75.20
102.00
125.00
147.66
177.00
202.00
METERAGE

D.D. HOLE No. K-89-7 PAGE: 1 of 9

Location	50m. South of K88-18	Collar Northing	10179.04 m
Date Started	August 7, 1989	Easting	9600.93 m
Date Completed	August 10, 1989	Elevation	1511.00 m
Core Recovery	92.73 %	Azimuth	090 Dip -60 deg
Drilled By	J.T.Thomas Drilling	Length	206.35 m
Logged By	S. Casselman	Hor. Proj.	98.63 m
Objective	Test mineralization south of Holes 88-18 & 88-22	Vert. Proj.	157.84 m
		Core Size	BGBDM (thin-wall BQ)

METRES From	METRES To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au ppb	Ag ppm	Cu ppm	Cu %
0.00	3.05	OVERBURDEN									
3.05	45.30	DACITIC VOLCANICS									
		- medium grey color	14072	3.05	6.00	2.95	122.00	210	0.7	2646	0.30
		- intensely sericitized	14073	6.00	9.00	3.00	100.00	120	0.5	2971	0.33
		- foliation not well developed	14074	9.00	12.00	3.00	97.00	100	0.2	1437	0.17
		- patchy stockwork silicification (1-5%)	14075	12.00	15.00	3.00	100.00	130	0.7	2496	0.27
		generally containing 3 to 5 % blue grey	14076	15.00	18.00	3.00	95.00	120	0.6	2936	0.32
		chalcocite in microfractures	14077	18.00	21.00	3.00	76.00	140	0.7	2273	0.25
		- 1 to 7 % quartz-calcite-pyrite veining	14078	21.00	24.00	3.00	93.00	130	1.1	4749	0.49
		at all orientations to core axis from	14079	24.00	27.00	3.00	95.00	160	0.7	3393	0.36
		1 mm to 1 cm wide	14080	27.00	30.00	3.00	101.00	140	0.6	3137	0.34
		- weak chloritization	14081	30.00	33.00	3.00	90.00	130	0.2	2100	0.23
		- 3 to 5 % limonitic clay in top 9 metres	14082	33.00	36.00	3.00	99.00	90	0.6	1581	0.17
		- relic volcanic ash and rare lapilli	14083	36.00	39.00	3.00	97.00	140	0.7	2734	0.31
		fragments are faint, and mostly altered	14084	39.00	42.00	3.00	98.00	300	1.5	6348	0.65
		to sericite	14085	42.00	44.00	2.00	92.00	340	2.1	8326	0.85
		- @ 7.9m, 3cm massive pyrite-chalcopyrite	14086	44.00	45.30	1.30	95.00	360	1.6	8646	0.85
		vein at 70 degrees to core axis									
		- apart from the massive pyrite-									
		chalcopyrite vein only rare traces of									
		chalcopyrite occur, and 0.1 to 0.8 %									
		chalcocite as a grey coating on fracture									
		surfaces and sulphide grains									
		- from 17.9 to 20.5 m intense (20%)									
		limonitic staining on fractures									
		- chalcocite content increases towards									
		bottom of section, especially from 39.0									
		to 45.3 m									
		- along with chalcocite, silica increases									
		from 39.0 to 45.3 m									

METRES From	METRES To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au ppb	Ag ppm	Cu ppm	Cu %
		- S.G. at 5.00 m - 2.85 g/cc 15.00 m - 2.87 g/cc 25.00 m - 2.83 g/cc 35.00 m - 2.89 g/cc 45.00 m - 2.76 g/cc - average S.G = 2.84 g/cc									
45.30	54.83	ANDESITE DYKE - light green-grey color - fine to medium grained - alternating 1 to 10 cm bands of light grey, bleached, possibly sericitized dyke and 1 to 10 cm bands of medium green chloritized dyke - 10 to 15 % quartz-calcite-chlorite veins - < 1.0 % pyrite - no visible copper mineralization - pieces 5 to 30 cm - becomes more fractured towards lower contact; average piece being 5 cm long	14087 14088 14089 14090	45.30 48.00 51.00 53.00	48.00 51.00 53.00 54.83	2.70 3.00 2.00 1.83	95.00 77.00 77.00 99.00	10 ND ND 130	0.1 0.1 0.1 0.7	143 275 1242 3230	<0.01 0.02 0.14 0.34
54.83	55.40	DACITE TUFF - similar to last 5 m of above tuff (ie. 40.0 to 45.3 m) - tuff is bounded by andesitic dykes - becomes more silicified and mineralized - 10 % silica & quartz, 0.5 % chalcocite - more chloritized than above tuff - S.G. at 55.00 m - 2.78 g/cc	14091	54.83	55.40	0.57	81.00	670	1.1	8924	0.90
55.40	56.22	ANDESITE DYKE - as in dyke at 45.3 to 54.83 m - 5 % quartz-calcite veining - moderate pervasive chlorite - weak sericite and clay - 20 % pyrite in a mineralized band 2 cm wide at contact which slices into core at sharp angle of 20 degrees to core axis - contacts at 70 degrees to core axis	14092	55.40	56.22	0.82	104.00	30	0.3	515	0.05
56.22	63.81	SILICIFIED DACITE TUFF - medium grey to blue-grey color in silicified sulphide zone - 20 to 35 % patchy and banded stockwork silicification - silicified zones contain from 1 to 2 % blue grey tennantite and 0.3 to 1 %	14093 14094 14095	56.22 59.00 62.00	59.00 62.00 63.81	2.78 3.00 1.81	92.00 99.00 96.00	300 570 340	2.2 2.3 0.7	13495 9408 4512	1.28 0.93 0.47

METRES From	To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au ppb	Ag ppm	Cu ppm	Cu %
		chalcopyrite - 50 % foliated sericite between bands of silica - original texture is virtually wiped out by sericite and silica - 10 to 20 % fine grained, disseminated and stringer pyrite - tennantite occurs as blue-grey filling in microfractures in silica zones - chalcopyrite occurs as blebs in pyrite veins - silicified zones are complete replacement of original constituents - silica bands are at 30 deg to core axis - weak foliation in sericite at 30 degrees to the core axis									
63.81	70.30	FAULT ZONE (Bleached Sericite Schist) - yellow orange to bleached, intensely fractured schist - average piece 1 to 5 cm long - intensely oxidized, limonite zone - all sulphides are leached out, core is bleached - 20 % limonitic clay - solid pieces are composed of 5 % quartz and 50 % soft sericite, and sericitic gouge material - some sections cemented with iron oxide (ie. ferricrete) - no visible copper sulphide minerals - believed to be top part of fault which has been weathered by migrating solutions - S.G. at 65.00 m - 2.45 g/cc	14096	63.81	66.00	2.19	67.00	650	1.8	154	0.01
			14097	66.00	68.00	2.00	91.00	310	1.1	24	<0.01
			14098	68.00	70.30	2.30	72.00	280	0.7	738	0.07
70.30	75.20	SILICA SULPHIDE STOCKWORK - medium to dark blue-grey color - 45 % silica stockwork replacement with 15 % contained sulphides as disseminations, filling microfractures and 1 mm to 1 cm veins - occassional sericite bands (30 %) - 3 to 5 % white, soft clay - montmorillonite? - contains 3 % dark blue grey chalcocite in microfractures and filling vugs in silica	14099	70.30	73.00	2.70	88.00	970	3.3	>20000	2.01
			14100	73.00	75.20	2.20	82.00	610	3.7	18586	1.87

METRES From	METRES To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au ppb	Ag ppm	Cu ppm	Cu %
		- 10 % pyrite and 5 % chalcopyrite - fairly fractured, average piece 5 to 10 cm long - sharp contact with overlying faulted limonitic schist is very distinct - lower contact is gradational with silica stockwork becoming more fractured and sericitic and grading into intensely fractured sericitic gouge - S.G. at 75.00 m - 2.56 g/cc									
75.20	89.40	RUBBLE ZONE (Sericitic Gouge) - light grey with occassional blue-grey sections - intensely fractured sericitic schist - top 6 m contains up to 50 % sericitic gouge - average piece < 1 to 3 cm long - towards bottom, interval becomes more competent, more silicified, and contains more chalcocite - in some places, where core is less sheared relic texture indicates protolith may be a crystal tuff, or porphyritic intrusive - white-sericite / clay altered plagioclase crystals in fine grained sericitized matrix - 5 to 15 % silica increases towards bottom of zone - intensely sericitized (70 %) - 10 % white, soft clay minerals - 1 % blue grey aphanitic chalcocite as coating on fractures and other sulphides - traces of irredescent copper - 4 to 12 % pyrite - in gouge there is very little pyrite (4 %) - in competent core sulphide content is much higher - fractured at 55 degrees to core axis - gradational upper contact between overlying silica stockwork and fault gouge - towards bottom of fault, stockwork silicification increases - lower contact is more distinct; rock is as fractured, but less siliceous and more chloritic - S.G. at 85.00 m - 2.77 g/cc	14101	75.20	78.00	2.80	75.00	340	2.1	12634	1.31
			14102	78.00	81.00	3.00	67.00	150	1.1	3302	0.36
			14103	81.00	84.00	3.00	72.00	300	1.2	4529	0.45
			14104	84.00	87.00	3.00	79.00	160	1.6	4688	0.48
			14105	87.00	89.40	2.40	96.00	440	2.2	8141	0.79

METRES From	To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au ppb	Ag ppm	Cu ppm	Cu %
89.40	97.30	FELSIC to INTERMEDIATE TUFF - medium green color; fine grained - 20 % pervassive, fine grained chloritization of mafic mainerals - 15 to 25 % sericite - fairly homogeneous - in places slightly foliated at 45 degrees to core axis - sericite, chlorite, and pyrite bands define foliation - up to 10 % clay minerals, < 1 % soft white clay (montmorillonite), 5 % green clay mineral, and limonitic clay - 5 % disseminated and stringer pyrite - only traces of chalcocite towards bottom of interval - small (20 cm) andesitic dyke at 94.5 m with 10 % quartz-calcite veining - section is fairly fractured - fractures at 50 degrees to core axis - average piece 2 to 10 cm long - S.G. at 95.00 m - 2.61 g/cc	14106	89.40	92.00	2.60	100.00	370	1.1	5774	0.58
			14107	92.00	95.00	3.00	97.00	230	0.8	4725	0.50
			14108	95.00	97.30	2.30	78.00	280	1.6	5915	0.60
97.30	99.60	ANDESITE DYKE - as in dykes at 45.3 to 54.83 m and 55.4 to 56.22 m - light to medium grey-green; fine grained - 25 % quartz-calcite veining - veins are vuggy with 5 % clay - 8 % sericite, 20 % chlorite - pervasive and as wisps in quartz-calcite veins - < 1 % pyrite - no visible copper mineralization - contacts at 60 degrees to core axis - fairly fractured, average piece 10 cm long	14109	97.30	99.60	2.30	79.00	30	0.3	1667	0.20
99.60	114.35	SILICIFIED DACITIC VOLCANIC - medium grey color; intensely altered - 30 % silicification as bands of sugary, cloudy white to grey silica with up to 35 % pyrite, chalcopyrite, chalcocite, and bornite - 40 to 50 % sericite which occurs as foliated bands between silica bands - foliation at 60 degrees to core axis	14110	99.60	102.00	2.40	89.00	340	2.9	7217	0.75
			14111	102.00	105.00	3.00	98.00	310	1.3	4173	0.46
			14112	105.00	108.00	3.00	95.00	370	3.2	9131	0.94
			14113	108.00	110.00	2.00	96.00	330	3.2	11651	1.24
			14114	110.00	112.00	2.00	97.00	230	7.9	14754	1.58
			14115	112.00	114.35	2.35	88.00	340	4.2	14812	1.62

METRES From	To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au ppb	Ag ppm	Cu ppm	Cu %
		- sericite bands contain 5 to 20 % pyrite as fine grained stringers - chalcocite in silica occurs as blue grey filling in microfractures and as a coating on fracture surfaces and on other sulphides - chalcopyrite occurs as blebs and "splashes" generally in stockwork silica, and occassionally in sericite schist - bornite occurs as a purplish bronze mineral generally associated with chalcopyrite and as small veinlets and blebs in fractures - relic volcanic texture is virtually wiped out by alteration - upper 2 m is quite clay altered (15 %) with abundant soft white to grey clay replacement of fragments and as fracture coating - from 105m down silicification increases to 35 % along with an increase in copper sulphides Bornite at 102.2 m, 109.5 m, 110.0 m, 110.4 m, 110.6 m, 110.9 m, and 113.5 m - S.G. at 105.00 m - 2.88 g/cc									
114.35	117.53	RUBBLE ZONE - medium grey-green color - intensely fractured, average piece 1 cm long - intensely sericitized (60 %) and silicified (20 %) - sericite occurs as foliated bands and soft gouge - silica occurs as patches and bands of sugary white-grey vuggy quartz, generally containing 15 % pyrite and up to 1 % chalcocite - fractures at 60 degrees to core axis - 7 to 10 % finely disseminated, wispy, and bleby pyrite - S.G. at 115.00 m - 2.41 g/cc	14116	114.35	116.00	1.65	73.00	350	2.7	9515	0.98
			14117	116.00	117.53	1.53	115.00	210	1.5	5052	0.55

METRES From	METRES To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au ppb	Ag ppm	Cu ppm	Cu %
117.53	138.10	SILICEOUS, CHLORITIC, DACITE LAPILLI TUFF - medium grey to green color - silicification increases to 50 % from 128.0 to 132.23 m - silicification is mainly as 0.5 to 2 cm bands alternating with chloritized and sericitized bands - 2 to 30 % chloritization of volcanics and 15 to 35 % sericitization - 10 to 15 % pyrite as coarse blebs and stringers - up to 3 % chalcopyrite locally as blebs and in massive pyrite-chalcopyrite veins up to 2 cm wide (129.8 m) - up to 1 % chalcocite as coating on fracture surfaces and especially coating other sulphides, mainly pyrite - traces of covelite at 124 m and bornite at 130.0 to 132.23 m - silica veins are at 55 degrees to the core axis - fractures at 20 to 70 degrees to the core axis - from 132.23 to 135.0 m core is less silicified and relic hornblende crystals are visible (chloritized), contains 10 % quartz veins and much less sulphides (4%) - from 135.3 m to contact wide dyke core is quite fractured into pieces averaging 1 to 5 cm wide - S.G. at 125.00 m - 2.73 g/cc 135.00 m - 2.78 g/cc - average S.G. = 2.75 g/cc	14118	117.53	120.00	2.47	98.00	350	2.3	6023	0.63
			14119	120.00	122.70	2.70	87.00	280	1.7	5935	0.64
			14120	122.70	125.00	2.30	91.00	370	2.2	8584	0.93
			14121	125.00	128.00	3.00	99.00	500	3.1	10715	1.13
			14122	128.00	130.00	2.00	91.00	640	4.7	14690	1.62
			14123	130.00	132.23	2.23	97.00	730	3.7	13366	1.42
			14124	132.23	135.00	2.77	91.00	330	1.2	3988	0.44
			14125	135.00	137.00	2.00	70.00	400	2.9	10957	1.20
			14126	137.00	138.10	1.10	85.00	340	2.1	7154	0.77
138.10	147.66	PLAGIOCLASE PORPHYRY ANDESITE DYKE - medium green color - fairly competent, average piece 20 to - 0.130 cm long - fractures at 15 to 75 degrees to the core axis - light grey plagioclase phenocrysts up to 0.5 cm long, (20 %) are altered to sericite and clay - matrix is fine grained to aphanitic, generally chloritized, weakly sericitized and in places slightly foliated at 60 degrees to core axis	14127	138.10	141.00	2.90	96.00	0.10	0.1	99.0	0.01
			14128	141.00	144.00	3.00	101.00	nd	0.1	20.0	<.01
			14129	144.00	146.00	2.00	94.00	nd	0.1	13.0	<.01
			14130	146.00	147.66	1.66	102.00	nd	0.1	23.0	<.01

METRES From	To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au ppb	Ag ppm	Cu ppm	Cu %
		- very little pyrite (0.2 %) as fine dissemination - no visible copper mineralization - contacts at 40 degrees to core axis - S.G. at 145.00 m - 2.71 g/cc									
147.66	180.97	DACITE LAPILLI TUFF - light grey to green, occasional section with a light blue color - from 147.66 (upper contact at dyke) to 151.0 m is quite fractured, average piece being 1 to 5 cm long - from 151.0 m to end of interval, core is very competent, average piece being 20 to 40 cm long - lapilli tuff texture is noticeable, lapilli up to 3 cm long, altered to sericite and chlorite - moderately altered - 2 to 30 % silicification as blue-grey to cloudy white bands - 10 to 40 % sericite - 3 to 25 % chlorite - up to 10 % green wispy micaceous mineral (mariposite) - 1 to 3 % calcite in quartz veins - up to 15 % pyrite, generally fine to medium grained in wispy veins from 1 mm to 2 cm wide - S.G. at 155.00 m - 2.86 g/cc 165.00 m - 2.86 g/cc 175.00 m - 2.91 g/cc - average S.G. = 2.87 g/cc	14131	147.66	150.00	2.34	86.00	160.0	0.5	1895	0.22
			14132	150.00	153.00	3.00	80.00	170.0	0.5	2596	0.31
			14133	153.00	156.00	3.00	96.00	320.0	0.6	3117	0.37
			14134	156.00	159.00	3.00	106.00	210.0	0.5	2122	0.26
			14135	159.00	162.00	3.00	95.00	190.0	0.3	2054	0.26
			14136	162.00	165.00	3.00	95.00	120.0	0.8	1258	0.15
			14137	165.00	168.00	3.00	97.00	120.0	0.1	585	0.06
			14138	168.00	171.00	3.00	91.00	150.0	0.3	1338	0.17
			14139	171.00	174.00	3.00	101.00	210.0	0.6	2326	0.28
			14140	174.00	177.00	3.00	99.00	130.0	0.5	2046	0.24
			14141	177.00	180.00	3.00	90.00	130.0	0.1	1484	0.18
			14142	180.00	180.97	0.97	82.00	160.0	0.1	2344	0.28
180.97	181.9	ANDESITE DYKE - medium to dark green - fine grained to aphanitic - 20 % chlorite - mafic minerals - 10 % quartz-calcite veining - 3 % disseminated calcite amygdules (< 1 mm diameter) - < 1% pyrite - no visible copper mineralization - contacts at 90 degrees to core axis	14143	180.97	181.90	0.93	97.00	20.00	0.2	99	<.01

METRES From	METRES To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au ppb	Ag ppm	Cu ppm	Cu %
181.90	206.35	SILICEOUS DACITE LAPILLI TUFF									
		- as in section 147.66 to 180.97 m	14144	181.90	184.00	2.10	86.00	130.0	0.1	1053	0.13
		- very competent, average piece 20 to	14145	184.00	187.00	3.00	98.00	320.0	0.7	2312	0.29
		30 cm	14146	187.00	190.00	3.00	94.00	2000	0.6	3106	0.36
		- relic lapilli evident	14147	190.00	193.00	3.00	99.00	1910	0.6	3264	0.39
		- 5 to 35 % silicification - cloudy white	14148	193.00	196.00	3.00	102.00	710.0	0.6	2787	0.34
		to blue-grey with up to 20 % pyrite	14149	196.00	199.00	3.00	101.00	200.0	0.5	3295	0.39
		- 10 to 15 % pyrite as coarse dissem-	14150	199.00	202.00	3.00	100.00	150.0	0.5	2371	0.30
		inated blebs and veins	14151	202.00	204.00	2.00	104.00	220.0	0.5	2601	0.30
		- rare copper mineralization	14152	204.00	206.35	2.35	123.00	220.0	0.7	3941	0.46
		DIP TEST (corrected)									
		at 186.23 m - 56 degrees									
		HOLE SHUT DOWN AT 206.35 m									

Ref	North	East	RL	Azim	Dip	Length	Category	Remarks
897	10179.04	9600.93	1511.00	090	60	206.35	F-zone	Test B-zone silica stockwork, south of K88-18,19,22

FROM	Dist	WDTH	RQ	ROCKNAME	UNT	TXT	SI	QV	SE	CY	CH	EP	CB	GM	A1	A2	IN	PY	CP	SP	CC	NC	M1	M2
F																								
	3.05			COLLAR																				
3.05	6	2.95	43	DCIT TUFF		F.MG	2	2	65	3	3						85	7	.1		.3			
6.00	9	3.00	43	DCIT TUFF		F.MG	5	7	65	2	3		3				90	8	1		.3			
9.00	12	3.00	48	DCIT TUFF		F.MG	1	3	60	1	5	1	3				80	7	.1		.2			
12.00	15	3.00	49	DCIT TUFF		F.MG	1	5	60	3	5		3				80	6			.2			
15.00	18	3.00	47	DCIT TUFF		F.MG	2	5	65	3	3		3				85	9			.1			
18.00	21	3.00	18	DCIT TUFF		F.MG	1	3	50	5	2		3				85	7			.2			
21.00	24	3.00	51	DCIT TUFF		F.MG	2		60	5	5		3				80	8			.3			
24.00	27	3.00	45	DCIT TUFF		F.MG	1	2	60	1	3		3				75	7			.2			
27.00	30	3.00	35	DCIT TUFF		F.MG		3	70		2		3				80	8	.2		.2			
30.00	33	3.00	26	DCIT TUFF		F.MG		1	70		2		2				75	10	.1		.4			
33.00	36	3.00	45	DCIT TUFF		F.MG		1	70		2		1				75	7			.1			
36.00	39	3.00	43	DCIT TUFF		F.MG		2	70		1						75	6			.1			
39.00	42	3.00	40	DCIT TUFF		F.MG	3	2	65	1	3		1				80	7	.1		.3			
42.00	44	2.00	39	DCIT TUFF		F.MG	5	2	65	2	5						85	8	.2		.6			
44.00	45.3	1.30	17	DCIT TUFF		F.MG	7	3	65	3	2						85	10	.1		.8			
45.30	48	2.70	50	ANDS DYKE		FG		10	5		20		5				40	.5						
48.00	51	3.00	48	ANDS DYKE		FG		15	10		10		5				40	.5						
51.00	53	2.00	44	ANDS DYKE		FG		12	3		10		3				30	1						
53.00	54.83	1.83	37	ANDS DYKE		FG		7	2		15		2				30	3	.1		.5			
54.83	55.4	0.57	31	DCIT TUFF		F.MG	5	5	25	2	30						80	5			.5			
55.40	56.22	0.82	42	ANDS DYKE		FG		3	3	2	10		2				20	.5						
56.22	59	2.78	29	DCIT TUFF		F.MG	35		40								90	20	.8		2			
59.00	62	3.00	40	DCIT TUFF		F.MG	30	3	50		2						85	15	1		2			
62.00	63.81	1.81	50	DCIT TUFF		F.MG	20		50		5						80	9	.3		1			
63.81	66	2.19	20	FAULT ZONE		SHRD	20		25	25							100	3						
66.00	68	2.00	20	FAULT ZONE		SHRD	18		20	35							100	.5						
68.00	70.3	2.30	17	FAULT ZONE		SHRD	12		35	35							100	1						
70.30	73	2.70	17	SI SULPH STWK		RPLC	50		30	5							100	12	.5		3		1	
73.00	75.2	2.20	11	SI SULPH STWK		RPLC	40		40	3							100	10	.5		3		1	
75.20	78	2.80	6	FAULT ZONE		SHRD	15		65	10							100	7			.8		.3	
78.00	81	3.00	6	FAULT ZONE		SHRD	5		75	10							100	4			.8		.1	
81.00	84	3.00	8	FAULT ZONE		SHRD	5		70	10							100	10			.8		.2	
84.00	87	3.00	11	FAULT ZONE		SHRD	8		70	8							100	9			1		.2	
87.00	89.4	2.40	18	FAULT ZONE		SHRD	15		55	10							100	12	.1		1.2		.1	
89.40	92	2.60	24	FEL INT TUFF		FG			15	1	20						50	4						
92.00	95	3.00	27	FEL INT TUFF		FG		3	25	10	15						55	4			.1			
95.00	97.3	2.30	27	FEL INT TUFF		FG		2	20	7	20						55	6			.2			
97.30	99.6	2.30	30	ANDS DYKE		FG		18	7	2	20		5				55	.5						
99.60	102	2.40	27	SILC DCIT VOLC		FG	8	1	45	15	10						90	10	.5		.8			
102.00	105	3.00	33	SILC DCIT VOLC		FG	10	2	55	5	5				.1		85	12	.2		.8			
105.00	108	3.00	39	SILC DCIT VOLC		FG	30		40	2	2				.1		95	18	.8		1			
108.00	110	2.00	29	SILC DCIT VOLC		FG	35		35		5				.3		90	18	1		1			
110.00	112	2.00	44	SILC DCIT VOLC		FG	35		40						.5		95	16	2		1			
112.00	114.3	2.35	19	SILC DCIT VOLC		FG	40		35						.3		95	18	2		.5			
114.35	116	1.65	18	FAULT ZONE		SHRD	20		50	5	3						100	10	.2		1			
116.00	117.53	1.53	24	FAULT ZONE		SHRD	20		55	5	3						100	7	.1		.8			
117.53	120	2.47	43	SI DCIT VOLC		F.MG	5	8	15		30		1				60	9	1		.3			
120.00	122.7	2.70	18	SI DCIT VOLC		F.MG	5	12	30	1	30		3				85	15	.8		.8			
122.70	125	2.30	21	SI DCIT VOLC		F.MG	45		30	1	2						95	15	.8		1		.2	
125.00	128	3.00	42	SI DCIT VOLC		F.MG	35		25	1	8		2				95	10	1		.5		.2	
128.00	130	2.00	32	SI DCIT VOLC		F.MG	50		25		6						95	12	3		.5			

Ref	North	East	RL	Azim	Dip	Length	Category	Remarks
897	10179.04	9600.93	1511.00	090	60	206.35	P-zone	Test B-zone silica stockwork, south of K88-18,19,22

FROM	Dist	WDTH	RQ	ROCKNAME	UNT	TXT	SI	QV	SE	CY	CH	EP	CB	GM	A1	A2	IN	PY	CP	SP	CC	NC	M1	M2
F																								
130.00	132.23	2.23	47	SI DCIT VOLC		F.MG	50		15		15				.1		95	12	2		1			
132.23	135	2.77	33	SI DCIT VOLC		F.MG	5	8	8	2	30		1				65	8			.2			
135.00	137	2.00	26	SI DCIT VOLC		F.MG	20	5	20	3	25						80	10	.8		.2			
137.00	138.1	1.10	11	SI DCIT VOLC		F.MG	8	3	10	3	25						50	8	.2		.3			
138.10	141	2.90	43	PLAG PRPH DYKE		F.MG	2	8	10	1	25		3				50	.2						
141.00	144	3.00	55	PLAG PRPH DYKE		F.MG	3	10	15		20		3				55	.2						
144.00	146	2.00	37	PLAG PRPH DYKE		F.MG	1	3	25		20		1				55	.2						
146.00	147.66	1.66	51	PLAG PRPH DYKE		F.MG		2	30	1	15		1				50	.2						
147.66	150	2.34	19	DCIT LPLL TUFF		F.CG	5	2	10	3	25		1				50	9	.1		.2			
150.00	153	3.00	18	DCIT LPLL TUFF		F.CG	3	2	20		15		1				45	10			.2			
153.00	156	3.00	37	DCIT LPLL TUFF		F.CG	25		35		10	2	3	2			80	15						
156.00	159	3.00	50	DCIT LPLL TUFF		F.CG	30	1	25		3	5	2	8			80	12						
159.00	162	3.00	51	DCIT LPLL TUFF		F.CG	30	2	30		20		1	2			90	15						
162.00	165	3.00	51	DCIT LPLL TUFF		F.CG	5		45		12		1	1			70	12						
165.00	168	3.00	40	DCIT LPLL TUFF		F.CG	5	2	45		8		2	1			70	10						
168.00	171	3.00	28	DCIT LPLL TUFF		F.CG	15	2	40		7		2	1			75	10						
171.00	174	3.00	43	DCIT LPLL TUFF		F.CG	30	2	30		10	1	3	1			80	10						
174.00	177	3.00	48	DCIT LPLL TUFF		F.CG	20	3	35		10		2				75	12						
177.00	180	3.00	17	DCIT LPLL TUFF		F.CG	10		25	2	5		1				55	10						
180.00	180.97	0.97	28	DCIT LPLL TUFF		F.CG	15		35		5		1	1			60	10						
180.97	181.9	0.93	49	ANDS DYKE		FG			5		20		8				35	.1						
181.90	184	2.10	18	DCIT LPLL TUFF		F.CG	5	5	30	1	20		4				70	12						
184.00	187	3.00	35	DCIT LPLL TUFF		F.CG	15	2	35		15		3	2			75	12						
187.00	190	3.00	29	DCIT LPLL TUFF		F.CG	15		40		20		1				80	12						
190.00	193	3.00	35	DCIT LPLL TUFF		F.CG	10		30		20		1	3			70	15						
193.00	196	3.00	20	DCIT LPLL TUFF		F.CG	10		35		15		1				65	10						
196.00	199	3.00	51	DCIT LPLL TUFF		F.CG	20	3	35		15		2				80	15						
199.00	202	3.00	59	DCIT LPLL TUFF		F.CG	25		30		8		1				75	12						
202.00	204	2.00	56	DCIT LPLL TUFF		F.CG	25		30		10		1				70	8						
204.00	206.35	2.35	54	DCIT LPLL TUFF		F.CG	25		30		10		1				70	8						

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ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Pd, Pt, Sn, Sr and W.

ANALYST: JC Wong

REPORT #: 890472 PA | WESTERN CANADIAN MINING | Proj: 9101 | Date In: 89/08/17 | Date Out:89/08/28 | Att: |

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sn ppm	Sr ppm	U ppm	W ppm	Zn ppm
14072	0.7	0.49	60	18	<3	0.22	1.6	16	58	2646	5.07	0.02	0.19	44	27	0.01	6	0.20	38	<2	2	10	<5	<3	55
14073	0.5	0.48	157	10	<3	0.59	0.1	15	54	2971	4.88	0.03	0.22	291	19	0.01	7	0.18	51	<2	2	23	<5	<3	86
14074	0.2	0.50	24	17	<3	0.89	0.1	15	43	1437	5.40	0.22	0.32	402	10	0.01	6	0.18	39	<2	<2	23	<5	<3	72
14075	0.7	0.43	25	15	<3	0.81	0.2	15	34	2496	6.06	0.05	0.30	389	10	0.01	6	0.18	32	<2	2	18	<5	<3	81
14076	0.6	0.71	24	36	<3	1.62	0.1	14	33	2936	4.75	0.08	0.60	630	12	0.01	7	0.17	23	<2	<2	31	<5	<3	102
14077	0.7	0.43	28	20	<3	0.45	0.1	12	43	2273	5.33	0.29	0.30	326	16	0.01	6	0.14	33	<2	2	22	<5	<3	75
14078	1.1	0.97	33	17	<3	0.86	0.1	15	58	4749	4.33	0.32	0.93	579	25	0.01	6	0.16	48	<2	<2	27	<5	<3	192
14079	0.7	0.63	20	20	<3	0.99	0.1	15	55	3393	4.36	0.07	0.68	717	22	0.01	6	0.16	23	<2	<2	20	<5	<3	104
14080	0.6	1.28	22	25	<3	0.70	0.1	15	36	3137	4.95	0.37	1.30	817	33	0.01	5	0.17	29	<2	<2	15	<5	<3	111
14081	0.2	1.42	20	23	<3	0.43	0.1	16	34	2100	4.89	0.06	1.13	423	7	0.01	6	0.19	22	<2	<2	11	<5	<3	89
14082	0.6	1.00	59	15	<3	0.50	0.4	17	28	1581	5.75	0.08	1.19	656	3	0.01	7	0.18	46	<2	2	10	<5	<3	103
14083	0.7	0.87	63	10	<3	0.30	0.1	17	45	2734	5.52	0.07	0.84	406	3	0.01	7	0.17	51	<2	<2	11	<5	<3	114
14084	1.5	0.89	23	9	<3	0.27	0.2	15	56	6348	5.81	0.45	0.77	301	6	0.01	6	0.17	41	<2	2	16	<5	<3	76
14085	2.1	1.56	28	11	<3	0.21	0.4	16	73	8326	5.36	0.07	1.41	348	6	0.01	7	0.19	32	<2	<2	27	<5	<3	126
14086	1.6	1.02	39	16	<3	0.10	0.1	11	68	8646	4.34	0.06	0.65	136	5	0.01	6	0.14	37	<2	<2	46	<5	<3	58
14087	0.1	1.53	5	164	<3	0.62	0.1	6	45	143	3.21	0.51	0.60	502	3	0.04	3	0.08	15	<2	<2	25	<5	<3	211
14088	0.1	0.74	<3	217	<3	1.10	0.1	1	77	275	1.29	0.55	0.23	659	3	0.04	2	0.01	11	<2	<2	41	<5	<3	92
14089	0.1	2.99	3	977	<3	1.43	0.1	11	51	1242	5.71	0.66	1.13	1032	4	0.02	6	0.17	25	<2	<2	100	<5	<3	309
14090	0.7	3.06	41	61	<3	0.55	0.7	15	38	3230	7.46	0.15	1.14	669	7	0.02	5	0.19	41	<2	<2	25	<5	<3	237
14091	1.1	2.45	44	49	<3	0.28	0.3	21	75	8924	6.43	0.11	1.03	394	7	0.01	8	0.22	35	<2	<2	11	<5	<3	144
14092	0.3	3.35	25	196	<3	0.24	0.3	15	70	515	5.97	0.11	1.43	746	5	0.02	32	0.20	36	<2	<2	11	<5	<3	239
14093	2.2	0.69	35	8	<3	0.12	0.3	14	113	13495	6.51	0.70	0.35	99	6	0.01	9	0.10	34	<2	2	15	<5	<3	58
14094	2.3	0.46	30	6	<3	0.15	0.1	14	68	9408	6.40	0.72	0.22	61	5	0.01	7	0.12	48	<2	2	20	<5	<3	34
14095	0.7	1.17	29	11	<3	0.18	0.1	15	60	4512	5.42	0.73	0.90	236	7	0.01	7	0.17	25	<2	<2	33	<5	<3	95
14096	1.8	0.20	25	326	<3	0.01	0.1	1	114	154	1.72	0.03	0.02	16	2	0.01	2	0.03	27	<2	<2	31	<5	<3	1
14097	1.1	0.25	16	805	<3	0.01	0.1	1	23	24	0.35	0.65	0.01	5	1	0.01	1	0.01	25	<2	<2	31	<5	<3	1
14098	0.7	0.24	96	403	<3	0.01	0.1	1	27	738	4.51	0.76	0.01	5	5	0.01	2	0.01	19	<2	2	11	<5	<3	1
14099	3.3	1.66	47	14	<3	0.09	0.5	10	90	>20000	5.82	0.12	1.20	567	7	0.01	8	0.32	27	<2	<2	42	<5	<3	84
14100	3.7	1.16	44	11	<3	0.08	0.3	11	99	18586	5.57	0.12	0.97	462	7	0.01	8	0.14	65	<2	2	38	<5	<3	113
14101	2.1	0.22	27	10	<3	0.01	0.1	16	50	12634	5.34	0.11	0.02	15	6	0.01	6	0.01	27	<2	2	9	<5	<3	5
14102	1.1	0.21	353	15	<3	0.01	0.1	17	15	3302	5.24	0.11	0.01	9	6	0.01	8	0.01	35	<2	2	4	<5	<3	33
14103	1.2	0.24	303	10	<3	0.01	0.1	19	61	4529	6.90	0.16	0.02	16	8	0.01	9	0.01	54	<2	3	7	<5	<3	17
14104	1.6	0.22	372	8	<3	0.07	0.1	17	39	4688	6.51	0.16	0.01	12	7	0.01	5	0.07	61	<2	2	9	<5	<3	46
14105	2.2	0.28	76	9	<3	0.05	0.1	17	105	8141	6.65	0.17	0.06	33	9	0.01	8	0.05	60	<2	3	9	<5	<3	20
14106	1.1	2.46	48	10	<3	0.18	0.3	14	47	5774	5.30	0.16	2.51	913	9	0.01	17	0.19	65	<2	<2	27	<5	<3	325
14107	0.8	3.44	95	17	<3	0.34	0.8	22	75	4725	6.93	0.22	2.45	1246	7	0.01	57	0.42	131	<2	<2	42	<5	<3	473
14108	1.6	2.18	91	10	<3	0.21	0.5	29	44	5915	6.54	0.20	1.54	743	11	0.01	9	0.23	176	<2	<2	25	<5	<3	315
14109	0.3	2.86	46	158	<3	0.28	0.4	12	63	1667	6.08	1.10	1.18	826	7	0.02	6	0.21	62	<2	<2	51	<5	<3	264
14110	2.9	0.72	43	12	<3	0.18	0.3	14	60	7217	5.62	1.09	0.46	224	6	0.01	7	0.14	51	<2	2	45	<5	<3	127
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum

REPORT #: 890472 PA WESTERN CANADIAN MINING Proj: 9101 Date In: 89/08/17 Date Out:89/08/28 Att:

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
14111	1.3	0.98	60	17	<3	0.20	1.9	14	31	4173	5.77	0.20	0.89	468	10	0.01	13	0.15	28	<2	2	12	<5	<3	163
14112	3.2	0.27	193	10	<3	0.18	1.1	15	70	9131	6.21	0.21	0.09	71	6	0.01	7	0.14	106	<2	3	17	<5	<3	151
14113	3.2	0.24	496	9	<3	0.17	0.8	10	96	11651	6.46	0.01	0.02	22	9	0.01	5	0.13	165	<2	3	18	<5	<3	148
14114	7.9	0.11	696	21	<3	0.20	0.4	9	23	14754	6.63	0.22	0.01	19	7	0.01	4	0.15	255	<2	3	14	<5	<3	114
14115	4.2	0.23	96	12	<3	0.18	1.3	11	75	14812	6.72	0.22	0.02	67	6	0.01	7	0.13	63	<2	3	14	<5	<3	65
14116	2.7	0.62	53	9	<3	0.25	1.4	14	77	9515	5.89	0.21	0.42	374	8	0.01	6	0.14	48	<2	2	16	<5	<3	102
14117	1.5	1.06	38	19	<3	0.33	1.4	12	46	5052	5.45	0.21	0.91	894	6	0.01	5	0.15	42	<2	<2	11	<5	<3	260
14118	2.3	1.66	39	16	<3	0.41	1.7	15	45	6023	6.09	0.24	1.50	1111	7	0.01	5	0.17	33	<2	<2	17	<5	<3	307
14119	1.7	1.15	28	26	<3	0.55	1.6	11	42	5935	4.98	0.23	0.95	1002	6	0.01	3	0.16	29	<2	<2	22	<5	<3	295
14120	2.2	0.23	620	6	<3	0.19	0.8	17	80	8584	7.60	0.25	0.03	118	8	0.01	8	0.14	92	<2	3	22	<5	<3	110
14121	3.1	1.00	214	16	<3	0.95	0.6	11	67	10715	5.27	0.30	0.61	719	5	0.01	5	0.10	65	<2	<2	75	<5	<3	115
14122	4.7	0.78	36	8	<3	0.23	1.5	13	130	14690	6.71	0.01	0.57	548	9	0.01	8	0.09	45	<2	2	30	<5	<3	137
14123	3.7	0.91	33	8	<3	0.49	1.6	11	84	13366	6.59	0.27	0.76	781	6	0.01	8	0.07	31	<2	2	38	<5	<3	132
14124	1.2	2.00	27	18	<3	0.42	1.3	17	45	3988	5.30	0.22	1.78	1239	6	0.01	4	0.18	29	<2	<2	47	<5	<3	297
14125	2.9	0.66	38	9	3	0.29	1.5	13	56	10957	6.41	0.23	0.53	559	6	0.01	6	0.12	58	<2	2	25	<5	<3	137
14126	2.1	0.54	26	20	<3	0.32	1.9	14	65	7154	4.95	0.20	0.28	783	9	0.01	8	0.14	53	<2	2	35	<5	<3	285
14127	0.1	1.39	<3	>1000	<3	1.69	0.1	8	27	99	2.41	0.33	0.82	1029	4	0.02	2	0.10	15	<2	<2	198	<5	<3	164
14128	0.1	1.13	<3	972	<3	1.95	0.1	7	22	20	1.96	0.35	0.69	791	3	0.02	1	0.10	13	<2	<2	177	<5	<3	80
14129	0.1	1.15	<3	972	<3	2.01	0.1	7	15	13	2.15	0.37	0.68	1040	2	0.02	2	0.09	15	<2	<2	179	<5	<3	134
14130	0.1	1.40	<3	>1000	<3	2.40	0.4	7	14	23	2.32	0.43	0.90	1320	2	0.02	3	0.10	15	<2	<2	227	<5	<3	137
14131	0.5	1.54	25	16	<3	0.28	0.9	16	37	1895	4.73	0.18	1.29	698	14	0.01	11	0.18	40	<2	<2	53	<5	<3	220
14132	0.5	1.15	20	16	<3	0.79	0.8	16	28	2596	4.72	0.01	0.95	495	24	0.01	11	0.17	24	<2	<2	45	<5	<3	118
14133	0.6	0.36	52	9	<3	1.67	1.6	24	40	3117	7.19	0.46	0.58	1146	27	0.01	37	0.12	56	<2	3	40	<5	<3	75
14134	0.5	0.42	32	16	<3	1.26	1.2	21	36	2122	5.98	0.01	0.71	938	22	0.01	32	0.13	25	<2	3	28	<5	<3	32
14135	0.3	0.37	34	13	<3	1.63	1.1	17	47	2054	5.45	0.40	1.02	1423	25	0.01	9	0.12	28	<2	2	35	<5	<3	42
14136	0.8	0.28	131	13	<3	0.95	1.1	16	35	1258	5.57	0.30	0.46	748	16	0.01	8	0.16	36	<2	2	29	<5	<3	77
14137	0.1	0.27	25	13	<3	0.89	0.9	14	25	585	4.65	0.27	0.51	670	4	0.01	4	0.15	33	<2	2	24	<5	<3	77
14138	0.3	0.29	67	14	<3	1.18	1.4	19	38	1338	5.58	0.34	0.58	732	11	0.01	11	0.15	39	<2	3	27	<5	<3	104
14139	0.6	0.37	41	10	<3	1.33	1.1	18	48	2326	5.64	0.36	0.72	452	18	0.01	12	0.13	25	<2	2	35	<5	<3	48
14140	0.5	0.25	48	9	<3	1.13	1.3	19	37	2046	5.93	0.34	0.57	380	26	0.01	15	0.14	27	<2	3	40	<5	<3	94
14141	0.1	0.26	39	15	<3	0.97	0.8	18	46	1484	5.41	0.30	0.52	408	22	0.01	15	0.17	31	<2	3	40	<5	<3	68
14142	0.1	0.33	35	27	<3	1.24	0.9	16	54	2344	4.62	0.32	0.77	1216	43	0.01	6	0.15	34	<2	2	54	<5	<3	20
14143	0.2	2.18	25	569	<3	2.44	1.1	23	82	99	4.30	0.51	3.08	778	4	0.05	71	0.40	24	<2	<2	342	<5	<3	85
14144	0.1	0.22	57	23	<3	1.38	1.1	19	46	1053	5.51	0.37	0.72	1439	10	0.01	15	0.14	49	<2	3	51	<5	<3	53
14145	0.7	0.37	67	10	<3	1.48	1.3	19	34	2312	5.67	0.39	0.40	1012	36	0.01	16	0.15	42	<2	2	62	<5	<3	88
14146	0.6	0.24	110	11	<3	0.70	1.3	28	45	3106	5.90	0.28	0.17	328	31	0.01	24	0.17	42	<2	3	43	<5	<3	7
14147	0.6	0.35	68	10	<3	0.89	1.7	24	60	3264	6.79	0.33	0.35	669	32	0.01	17	0.16	55	<2	3	26	<5	<3	9
14148	0.6	0.29	108	9	<3	0.97	1.7	19	83	2787	6.13	0.32	0.43	829	71	0.01	8	0.12	106	<2	3	35	<5	<3	16
14149	0.5	0.26	40	7	<3	1.25	1.5	19	46	3295	6.23	0.37	0.59	926	39	0.01	5	0.09	71	<2	3	40	<5	<3	6
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	2000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum

REPORT #: 890472 PA | WESTERN CANADIAN MINING | Proj: 9101 | Date In: 89/08/17 | Date Out:89/08/28 | Att: |

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
14150	0.5	0.31	22	15	<3	0.80	2.1	20	45	2371	4.96	0.27	0.49	587	<1	0.01	8	0.12	26	<2	2	27	<5	<3	24
14151	0.5	0.56	27	9	<3	0.78	0.8	17	57	2601	5.22	0.27	0.49	593	35	0.01	8	0.14	21	<2	2	40	<5	<3	27
14152	0.7	0.42	40	13	<3	0.85	0.7	21	57	3941	5.20	0.28	0.49	731	32	0.01	7	0.15	66	<2	2	32	<5	<3	41

VGC VANGEOCHEM LAB LIMITED

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BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 890472 GA JOB NUMBER: 890472 WESTERN CANADIAN MINING CORP.

SAMPLE #	Au ppb
14072	210
14073	120
14074	100
14075	130
14076	120
14077	140
14078	130
14079	160
14080	140
14081	130
14082	90
14083	140
14084	300
14085	340
14086	360
14087	10
14088	nd
14089	nd
14090	130
14091	670
14092	30
14093	300
14094	570
14095	340
14096	650
14097	310
14098	280
14099	970
14100	610
14101	340
14102	150
14103	300
14104	160
14105	440
14106	370
14107	230
14108	280
14109	30
14110	340
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

VGC VANGEOCHEM LAB LIMITED

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MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

SAMPLE #	Au ppb
14111	310
14112	370
14113	330
14114	230
14115	340
14116	350
14117	210
14118	350
14119	280
14120	370
14121	500
14122	640
14123	730
14124	330
14125	400
14126	340
14127	10
14128	nd
14129	nd
14130	nd
14131	160
14132	170
14133	320
14134	210
14135	190
14136	120
14137	120
14138	150
14139	210
14140	130
14141	130
14142	160
14143	20
14144	130
14145	320
14146	2000
14147	1910
14148	710
14149	200

DETECTION LIMIT 5

nd = none detected -- = not analysed is = insufficient sample

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SAMPLE #	Au ppb
14150	150
14151	220
14152	220

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BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: B90472 AA JOB NUMBER: B90472 **WESTERN CANADIAN MINING CORP.**

SAMPLE #	Cu %
14072	.30
14073	.33
14074	.17
14075	.27
14076	.32
14077	.25
14078	.49
14079	.36
14080	.34
14081	.23
14082	.17
14083	.31
14084	.65
14085	.85
14086	.85
14087	<.01
14088	.02
14089	.14
14090	.34
14091	.90
DETECTION LIMIT	.01

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

VGC VANGEOCHEM LAB LIMITED

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MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

SAMPLE #	Cu %
14092	.05
14093	1.28
14094	.93
14095	.47
14096	.01
14097	<.01
14098	.07
14099	2.01
14100	1.87
14101	1.31
14102	.36
14103	.45
14104	.48
14105	.79
14106	.58
14107	.50
14108	.60
14109	.20
14110	.75
14111	.46
DETECTION LIMIT	.01

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
● (604) 251-5656
● FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT
RENO, NEVADA, U.S.A.

SAMPLE #	Cu %
14112	.94
14113	1.24
14114	1.58
14115	1.62
14116	.98
14117	.55
14118	.63
14119	.64
14120	.93
14121	1.13
14122	1.62
14123	1.42
14124	.44
14125	1.20
14126	.77
14127	.01
14128	<.01
14129	<.01
14130	<.01
14131	.22

DETECTION LIMIT .01

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

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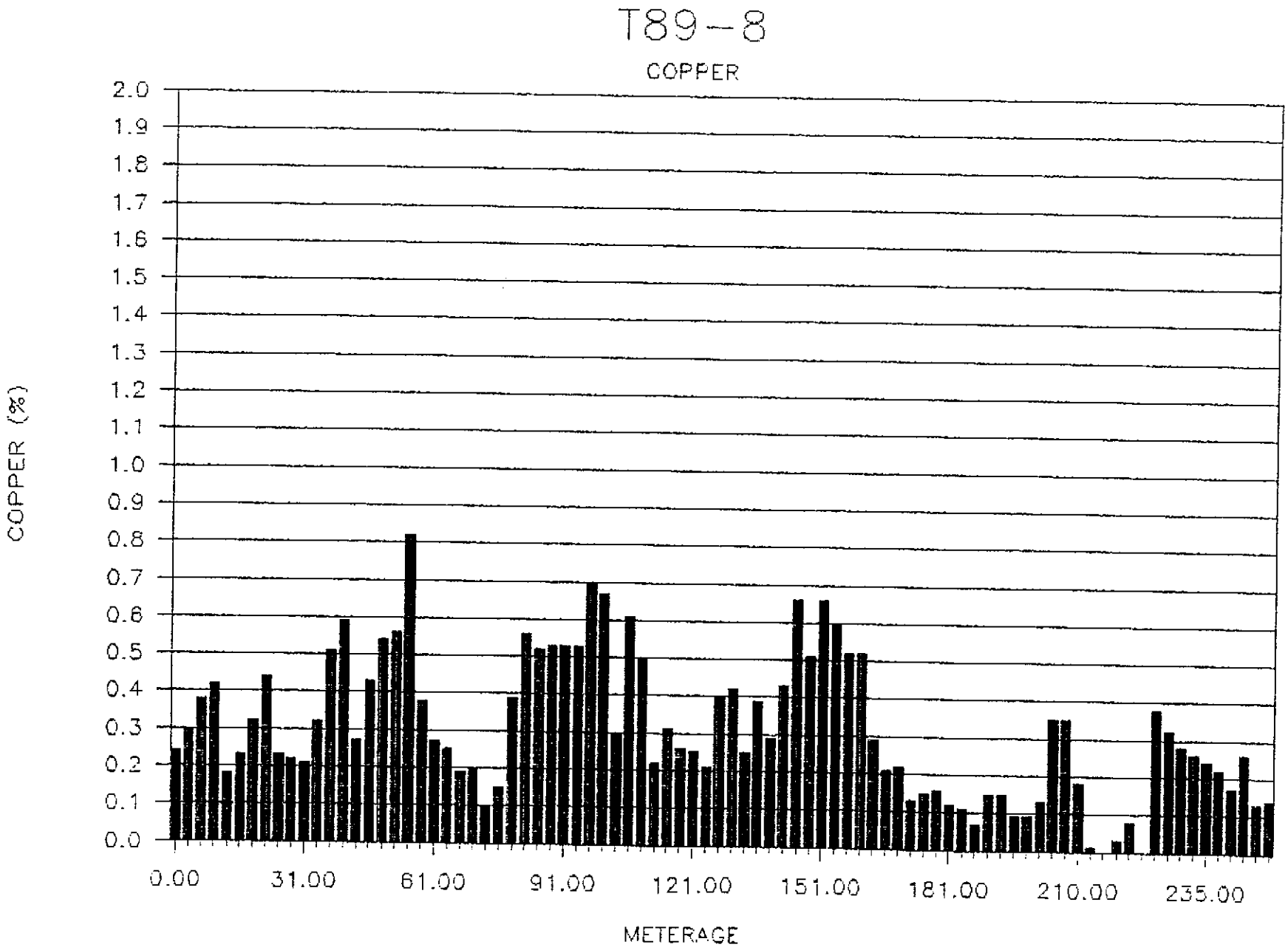
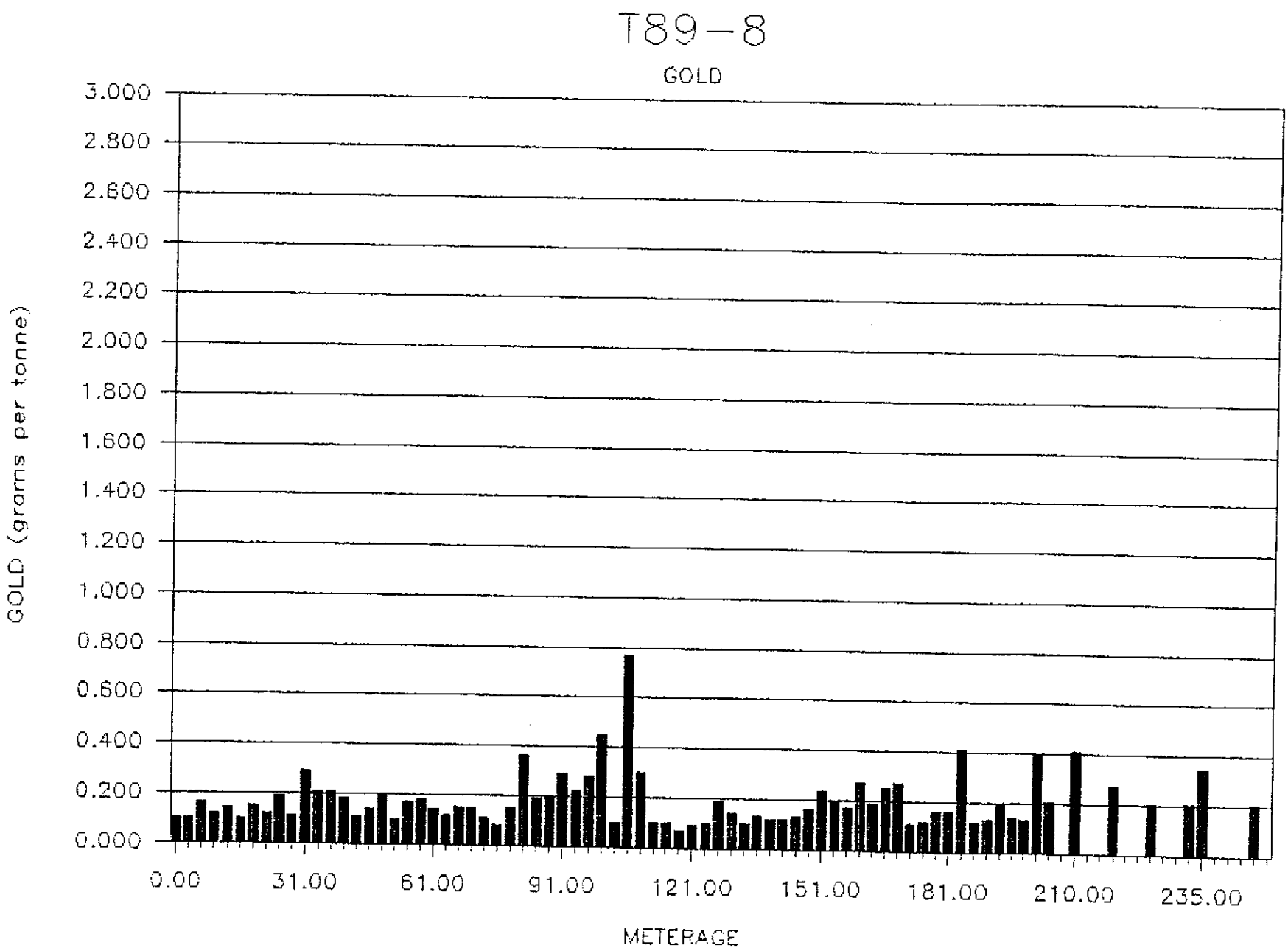
SAMPLE #	Cu %
14132	.31
14133	.37
14134	.26
14135	.26
14136	.15
14137	.06
14138	.17
14139	.28
14140	.24
14141	.18
14142	.28
14143	<.01
14144	.13
14145	.29
14146	.36
14147	.39
14148	.34
14149	.39
14150	.30
14151	.30
DETECTION LIMIT	.01

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____


T89-8
COPPER
COPPER (%)
2.0
1.9
1.8
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
0.00
31.00
61.00
91.00
121.00
151.00
181.00
210.00
235.00
METERAGE


T89-8
GOLD
3.000
2.800
2.600
2.400
2.200
2.000
1.800
1.600
1.400
1.200
1.000
0.800
0.600
0.400
0.200
0.000
GOLD (grams per tonne)
0.00
31.00
61.00
91.00
121.00
151.00
181.00
210.00
235.00
METERAGE

D.D. HOLE No. T-89-8

Location	Tedray claim	Collar Northing	10879.31 m
Date Started	August 11, 1989	Easting	9562.28 m
Date Completed	August 14, 1989	Elevation	1160.67 m
Core Recovery	95.01 %	Azimuth	090 Dip -60 deg
Drilled By	J.T.Thomas Drilling	Length	255.12 m
Logged By	S.G. Casselman	Hor. Proj.	143.91 m
Objective	Test IP anomaly on eastern part of Tedray grid	Vert. Proj.	209.60 m
		Core Size	BQ

METRES From	METRES To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au ppb	Ag ppm	Cu ppm	Cu %
0.00	4.57	OVERBURDEN									
4.57	7.00	DACITE LAPILLI TUFF									
		- light grey-green color	14153	4.57	7.00	2.43	61.00	100	0.5	2038	0.24
		- very competent, average piece 20 to 30	14154	7.00	10.00	3.00	91.00	100	0.5	2453	0.30
		cm long, fractures at 40 to 60 deg to C.A	14155	10.00	13.00	3.00	93.00	160	0.5	3328	0.38
		- lapilli tuff texture evident throughout	14156	13.00	16.00	3.00	82.00	120	1.1	3648	0.42
		- lapilli up to 3 cm long	14157	16.00	19.00	3.00	96.00	140	0.5	1599	0.18
		- lapilli mainly altered to sericite,	14158	19.00	22.00	3.00	93.00	100	0.3	1798	0.23
		with some silica, chlorite and green mica	14159	22.00	25.00	3.00	85.00	150	0.6	2722	0.32
		- 5 to 25 % silicification as grey to	14160	25.00	28.00	3.00	83.00	120	1.1	3600	0.44
		blue-grey bands 0.5 cm to 20 cm wide	14161	28.00	31.00	3.00	91.00	190	0.5	1923	0.23
		- silicified bands occassionaly contain	14162	31.00	34.00	3.00	98.00	110	0.5	1795	0.22
		0.5 % blue-grey sulphide mineral	14163	34.00	37.00	3.00	100.00	290	0.3	1650	0.21
		(chalcocite or tennantite ?)	14164	37.00	40.00	3.00	92.00	210	0.8	2708	0.32
		- sections of interval become fine-	14165	40.00	43.00	3.00	96.00	210	1.2	4345	0.51
		grained with little to no lapilli	14166	43.00	46.00	3.00	91.00	180	1.7	5123	0.59
		fragments, generally altered to light	14167	46.00	49.00	3.00	85.00	110	0.5	2194	0.27
		green sericite, epidote and green mica	14168	49.00	52.00	3.00	96.00	140	1.2	3502	0.43
		- variable pyrite content, from 8 to 20 %	14169	52.00	55.00	3.00	82.00	200	2.5	4705	0.54
		- pyrite occurs as fine disseminations,	14170	55.00	58.00	3.00	88.00	100	1.2	4517	0.56
		coarse blebs, and medium-grained	14171	58.00	61.00	3.00	92.00	170	1.5	7109	0.82
		stringers and blebs	14172	61.00	64.00	3.00	89.00	180	0.6	3051	0.38
		- generally higher concentration of	14173	64.00	67.00	3.00	93.00	140	0.6	2260	0.27
		pyrite is assocciated with silicification	14174	67.00	70.00	3.00	98.00	120	1.1	1989	0.25
		or quartz veining	14175	70.00	73.00	3.00	100.00	150	1.1	1574	0.19
		- rare specks of chalcopyrite	14176	73.00	76.00	3.00	99.00	150	1.1	1635	0.20
		- traces of blue-grey chalcocite	14177	76.00	79.00	3.00	91.00	110	0.5	874	0.10
		throughout interval as a coating on	14178	79.00	82.00	3.00	100.00	80	0.5	1182	0.15
		pyrite grains, generally along fractures	14179	82.00	85.00	3.00	92.00	150	1.2	3377	0.39
		- 5 % native copper from 61.0 to 61.2 m	14180	85.00	88.00	3.00	96.00	360	1.5	4772	0.56
		occurs as a red coating on fracture	14181	88.00	91.00	3.00	99.00	190	1.2	4328	0.52
		surfaces	14182	91.00	94.00	3.00	100.00	200	1.1	4689	0.53
		- no other native copper observed in hole	14183	94.00	97.00	3.00	93.00	290	1.2	4632	0.53

METRES From	To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au ppb	Ag ppm	Cu ppm	Cu %
		- from 64.0 to 82.0 m intensely sericitized, well banded, sericite-pyrite schist, bands at 45 deg to C.A.	14184	97.00	100.00	3.00	95.00	220	1.2	4434	0.53
			14185	100.00	103.00	3.00	100.00	280	0.8	5265	0.70
			14186	103.00	106.00	3.00	102.00	450	1.1	5457	0.67
		- from 82.0 to 106.0 m silicification increases (stockwork type) from 8 to 25 % and blue-grey sulphide (chalcocite) content increases to 0.5 %	14187	106.00	109.00	3.00	92.00	100	0.1	2570	0.30
			14188	109.00	112.00	3.00	93.00	770	0.5	5196	0.61
			14189	112.00	115.00	3.00	101.00	300	0.6	4142	0.50
			14190	115.00	118.00	3.00	95.00	100	0.3	1869	0.22
		- at 99.7 m to 101.0 m have well foliated green micaceous mineral, with silicified, sericitized tuff	14191	118.00	121.00	3.00	97.00	100	0.3	3024	0.31
			14192	121.00	124.00	3.00	98.00	70	0.6	2318	0.26
			14193	124.00	127.00	3.00	100.00	90	0.2	2130	0.25
		- from 106.0 to 148.0 m have intensely sericitized schist, with wavy, contorted bands of quartz-sericite, and minor chlorite	14194	127.00	130.00	3.00	89.00	100	0.5	1760	0.21
			14195	130.00	133.00	3.00	99.00	190	1.2	3458	0.40
			14196	133.00	136.10	3.10	98.00	140	0.7	3848	0.42
			14197	136.10	139.00	2.90	103.00	100	0.7	2186	0.25
		- very soft sericitic gouge from 112.0 to 127.0 m	14198	139.00	142.00	3.00	93.00	130	1.7	3329	0.39
			14199	142.00	145.00	3.00	101.00	120	1.1	2393	0.29
		- from 152.0 to 163.0 m abundance of light green micaceous mineral (ankerite) increases to 5 %	14200	145.00	148.00	3.00	98.00	120	1.4	4030	0.43
			14201	148.00	151.00	3.00	98.00	130	1.7	5835	0.66
			14202	151.00	154.00	3.00	96.00	160	1.7	4461	0.51
		- from 148.0 m begin to get more chalcopyrite, up to 0.5 % at 163.0 to 169.0 m	14203	154.00	157.00	3.00	95.00	240	1.7	5967	0.66
			14204	157.00	160.00	3.00	98.00	200	1.1	5152	0.60
			14205	160.00	163.00	3.00	100.00	170	1.2	4635	0.52
		- chalcopyrite generally associated with pyrite in silicified zones	14206	163.00	166.00	3.00	96.00	270	1.7	4689	0.52
			14207	166.00	169.00	3.00	99.00	190	0.7	2484	0.29
		- from 208.0 m begin to get anhydrite in 1 mm microveinlets oriented at 43 deg to C.A.	14208	169.00	172.00	3.00	97.00	250	1.1	1709	0.21
			14209	172.00	175.00	3.00	95.00	270	0.8	1713	0.22
			14210	175.00	178.00	3.00	96.00	110	0.6	1104	0.13
		- from 212.0 to 214.35 m have 8 to 10 % anhydrite veinlets	14211	178.00	181.00	3.00	98.00	120	0.5	1266	0.15
			14212	181.00	184.00	3.00	99.00	160	0.8	1298	0.16
		- chlorite content increases to 30 % at contact with dyke	14213	184.00	187.00	3.00	99.00	160	0.7	1056	0.12
			14214	187.00	190.00	3.00	99.00	410	0.2	905	0.11
		- S.G. at 6.00 m - 2.83 g/cc	14215	190.00	193.00	3.00	98.00	120	0.5	651	0.07
		16.00 m - 2.87 g/cc	14216	193.00	196.00	3.00	99.00	130	0.6	1276	0.15
		26.00 m - 2.86 g/cc	14217	196.00	199.00	3.00	102.00	200	0.7	1271	0.15
		36.00 m - 2.80 g/cc	14218	199.00	202.00	3.00	99.00	140	0.6	839	0.09
		46.00 m - 2.94 g/cc	14219	202.00	205.00	3.00	93.00	130	0.5	847	0.09
		56.00 m - 2.85 g/cc	14220	205.00	208.00	3.00	98.00	400	0.6	955	0.13
		66.00 m - 2.86 g/cc	14221	208.00	210.00	2.00	94.00	206			0.35
		76.00 m - 2.97 g/cc	14222	210.00	212.00	2.00	100.00	<171			0.35
		86.00 m - 2.86 g/cc	14223	212.00	214.35	2.35	95.00	411			0.18
		96.00 m - 2.89 g/cc									
		106.00 m - 2.89 g/cc									
		116.00 m - 2.98 g/cc									
		126.00 m - 2.89 g/cc									
		136.00 m - 2.81 g/cc									
		146.00 m - 2.85 g/cc									
		156.00 m - 3.00 g/cc									

METRES From	METRES To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au ppb	Ag ppm	Cu ppm	Cu %
		S.G. at 166.00 m - 2.94 g/cc 176.00 m - 2.87 g/cc 186.00 m - 2.83 g/cc 196.00 m - 2.86 g/cc 206.00 m - 2.83 g/cc average S.G. = 2.88 g/cc									
214.35	221.53	BASALT DYKE - very fine grained, and dark brown-green color with 10 % white to clear filled amygdules (unknown mineral, not calcite or k-spar -- quite hard) - fine grained matrix contains 25% k-spar - 15 % faint brown patches containing k-spar - traces of calcite - slightly magnetic - very little (<1 %)pyrite - no visible copper mineralization - upper contact very irregular at 15 degrees to the core axis - lower contact at 15 % to the core axis - S.G. at 216.00 m - 2.76 g/cc	14224 14225 14226	214.35 217.00 219.00	217.00 219.00 221.53	2.65 2.00 2.53	88.00 100.00 73.00	<171 <171 274			0.01 <.01 0.03
221.53	224.31	DACITE LAPILLI TUFF - as in 4.57 to 214.35 metres - light to medium green grey color - lapilli fragments visible, altered to sericite, silica, and minor chlorite - 2 % green micas, as wisps along lapilli fragments - 15 % silicification of tuff - 8 % 1 to 3 mm white gypsum stringers and veins, generally at 40 degrees to the core axis - 8 % disseminated and stringer pyrite - no visible copper mineralization	14227	221.53	224.31	2.78	92.00	<171			0.08
224.31	226.16	BASALT DYKE - as in 214.35 to 221.53 metre interval - dark brown-green color - 10 % amygdules filled with a hard clear to white mineral - chloritized - traces of pyrite - no visible copper mineralization - S.G. at 226.00 m - 2.76 g/cc	14228	224.31	226.16	1.85	101.00	<171			<.01

METRES From	METRES To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au ppb	Ag ppm	Cu ppm	Cu %
226.16	255.12	DACITE LAPILLI TUFF - as in above lapilli tuff - increase in amount of gypsum filled micro fractures to 5 to 10% - silicification up to 40% - 2 to 10% chlorite, 2 to 10% green mica (ankerite?) - traces of chalcopyrite throughout, especially in very fine grained pyrite veins - up to 18% pyrite as coarse disseminations and veins and as very fine grained blebs and veins - S.G. at 236.00 m - 2.89 g/cc 246.00 m - 2.92 g/cc 255.12 m - 2.96 g/cc - average S.G. = 2.92 g/cc	14229	226.16	229.00	2.84	99.00	206			0.38
			14230	229.00	232.00	3.00	98.00	<171			0.32
			14231	232.00	235.00	3.00	90.00	<171			0.28
			14232	235.00	238.00	3.00	95.00	206			0.26
			14233	238.00	241.00	3.00	98.00	343			0.24
			14234	241.00	244.00	3.00	97.00	<171			0.22
			14235	244.00	247.00	3.00	97.00	<171			0.17
			14236	247.00	250.00	3.00	98.00	<171			0.26
			14237	250.00	253.00	3.00	100.00	206			0.13
			14238	253.00	255.12	2.12	98.00	<171			0.14
				255.12	EOH						
		DIP TEST (corrected) at 255.12 m - 51 degrees									
		HOLE SHUT DOWN - NEARING DEPTH LIMIT OF DRILL									

Ref	North	East	RL	Azim	Dip	Length	Category	Remarks
898	10879.31	9562.28	1160.67	90	60	255.12	Tedray	Test IP anomaly on eastern part of Tedray grid

FROM	Dist	WDTH	RQ	ROCKNAME	UNT	TXT	SI	QV	SE	CY	CH	EP	CB	GM	A1	A2	IN	PY	CP	SP	CC	NC	M1	M2
F																								
	4.57			OVERBURDEN																				
4.57	7	2.43	41	DCIT LPLL TUFF		F.CG	5		35	1	5	1		1			50	10			.1			
7.00	10	3.00	46	DCIT LPLL TUFF		F.CG	10		35		3	2		3			55	20						
10.00	13	3.00	50	DCIT LPLL TUFF		F.CG	15		35		5	1		3			60	12			.2			
13.00	16	3.00	42	DCIT LPLL TUFF		F.CG	12		35		3	1		2			55	12			.2			
16.00	19	3.00	47	DCIT LPLL TUFF		F.CG	10		30		2	3		5			55	10			.1			
19.00	22	3.00	46	DCIT LPLL TUFF		F.CG	3		30		2	3		5			50	8						
22.00	25	3.00	45	DCIT LPLL TUFF		F.CG	5	2	30		2	3		5			50	10			.3			
25.00	28	3.00	34	DCIT LPLL TUFF		F.CG	10		35		2	1		1			50	8			.2			
28.00	31	3.00	48	DCIT LPLL TUFF		F.CG	8		30		8	1		1			50	15			.1			
31.00	34	3.00	51	DCIT LPLL TUFF		F.CG	12	3	30		8			3			60	12			.1			
34.00	37	3.00	45	DCIT LPLL TUFF		F.CG	10		35		2	2		3			55	12			.1			
37.00	40	3.00	49	DCIT LPLL TUFF		F.CG	8		40		10	2		1			65	10			.1			
40.00	43	3.00	55	DCIT LPLL TUFF		F.CG	15		35		10	1		2			65	15			.1			
43.00	46	3.00	35	DCIT LPLL TUFF		F.CG	8	2	35	1	5	3		2			60	15			.2			
46.00	49	3.00	46	DCIT LPLL TUFF		F.CG	5		40	2	5	2		3			60	12			.2			
49.00	52	3.00	51	DCIT LPLL TUFF		F.CG	10	2	40		8	5		3			70	12			.2			
52.00	55	3.00	14	DCIT LPLL TUFF		F.CG	15	2	40		10	5		5			80	15			.2			
55.00	58	3.00	32	DCIT LPLL TUFF		F.CG	10		35		5	5		5			65	12			.2			
58.00	61	3.00	29	DCIT LPLL TUFF		F.CG	25		30		5	2		3			65	15			.3			
61.00	64	3.00	29	DCIT LPLL TUFF		F.CG	10		45		5						60	8			.1	.5		
64.00	67	3.00	30	DCIT LPLL TUFF		F.CG	2		65		3						75	8			.1			
67.00	70	3.00	47	DCIT LPLL TUFF		F.CG	3	5	60		2						75	8	.1		.1			
70.00	73	3.00	53	DCIT LPLL TUFF		F.CG	5	3	65		5						80	7			.1			
73.00	76	3.00	51	DCIT LPLL TUFF		F.CG	3	1	60		3			1			70	10	.1		.1			
76.00	79	3.00	49	DCIT LPLL TUFF		F.CG	3		60		3			1			70	8			.1			
79.00	82	3.00	38	DCIT LPLL TUFF		F.CG	2	1	65		5			1			75	8			.1			
82.00	85	3.00	31	DCIT LPLL TUFF		F.CG	8	2	65		1						80	10			.2			
85.00	88	3.00	47	DCIT LPLL TUFF		F.CG	8		60		3						75	10	.1		.1			
88.00	91	3.00	48	DCIT LPLL TUFF		F.CG	18		60		5						85	8			.1			
91.00	94	3.00	57	DCIT LPLL TUFF		F.CG	20		60		8						90	10			.3			
94.00	97	3.00	39	DCIT LPLL TUFF		F.CG	20		60		8						90	12			.3			
97.00	100	3.00	32	DCIT LPLL TUFF		F.CG	25		40		15			1			90	12			.5			
100.00	103	3.00	47	DCIT LPLL TUFF		F.CG	25		40		10			5			90	12			.5			
103.00	106	3.00	40	DCIT LPLL TUFF		F.CG	25		40		10			1			80	12			.5			
106.00	109	3.00	45	DCIT LPLL TUFF		F.CG	10		65		5			2			85	7			.2			
109.00	112	3.00	39	DCIT LPLL TUFF		F.CG	5	3	65		8			2			85	8	.1		.3			
112.00	115	3.00	37	DCIT LPLL TUFF		F.CG	20	2	50		10						85	12			.5			
115.00	118	3.00	28	DCIT LPLL TUFF		F.CG	5	3	75		2			3			90	10			.1			
118.00	121	3.00	29	DCIT LPLL TUFF		F.CG	5		75		3			1			90	8			.1			
121.00	124	3.00	44	DCIT LPLL TUFF		F.CG	8		80		2						90	10						
124.00	127	3.00	33	DCIT LPLL TUFF		F.CG	10		70		3			1			85	10						
127.00	130	3.00	32	DCIT LPLL TUFF		F.CG	5		75		3			1			85	8						
130.00	133	3.00	48	DCIT LPLL TUFF		F.CG	8		60		8						85	12			.3			
133.00	136	3.10	45	DCIT LPLL TUFF		F.CG	5		65		8						80	10	.1		.2			
136.10	139	2.90	51	DCIT LPLL TUFF		F.CG	8		60		8						80	7			.1			
139.00	142	3.00	52	DCIT LPLL TUFF		F.CG	15		60		3			1			80	9			.1			
142.00	145	3.00	56	DCIT LPLL TUFF		F.CG	6		60		10			1			80	8						
145.00	148	3.00	47	DCIT LPLL TUFF		F.CG	5	1	65		5						80	7			.1			
148.00	151	3.00	53	DCIT LPLL TUFF		F.CG	15		55		3			5			80	12	.2		.2			
151.00	154	3.00	52	DCIT LPLL TUFF		F.CG	8		55		5	1		3			80	15			.1			
154.00	157	3.00	54	DCIT LPLL TUFF		F.CG	12		50		15			8			85	12	.1		.2			

Ref	North	East	RL	Azim	Dip	Length	Category	Remarks
898	10879.31	9562.28	1160.67	90	60	255.12	Tedray	Test IP anomaly on eastern part of Tedray grid

FROM	Dist	WDTH	RQ	ROCKNAME	UNT	TXT	SI	QV	SE	CY	CH	EP	CB	GM	A1	A2	IN	PY	CP	SP	CC	NC	M1	M2	F
157.00	160	3.00	50	DCIT LPLL TUFF		F.CG	12		40		10			3			70	12			.1				
160.00	163	3.00	48	DCIT LPLL TUFF		F.CG	15		50		5			3			75	8	.1		.2				
163.00	166	3.00	47	DCIT LPLL TUFF		F.CG	15		50		8			1			75	8	.5		.3				
166.00	169	3.00	50	DCIT LPLL TUFF		F.CG	10		55		3			1			75	8	.5		.1				
169.00	172	3.00	53	DCIT LPLL TUFF		F.CG	5		50		3						65	6							
172.00	175	3.00	53	DCIT LPLL TUFF		F.CG	5	3	50		5						65	6	.1						
175.00	178	3.00	58	DCIT LPLL TUFF		F.CG	10	2	50		8						70	7							
178.00	181	3.00	57	DCIT LPLL TUFF		F.CG	10	2	50		8		2				70	8							
181.00	184	3.00	51	DCIT LPLL TUFF		F.CG	8	3	50		10						75	10	.2						
184.00	187	3.00	60	DCIT LPLL TUFF		F.CG	3	2	50		10						70	8							
187.00	190	3.00	62	DCIT LPLL TUFF		F.CG	3	1	50		15						75	6							
190.00	193	3.00	60	DCIT LPLL TUFF		F.CG	3	3	55		10		3				75	8							
193.00	196	3.00	59	DCIT LPLL TUFF		F.CG	3	2	55		5						70	8							
196.00	199	3.00	63	DCIT LPLL TUFF		F.CG	2	2	50		15						75	10							
199.00	202	3.00	39	DCIT LPLL TUFF		F.CG	3	3	55		10						75	8							
202.00	205	3.00	31	DCIT LPLL TUFF		F.CG	1	3	60		10						75	8	.1						
205.00	208	3.00	49	DCIT LPLL TUFF		F.CG	2	5	50		5						65	6	.1						
208.00	210	2.00	48	DCIT LPLL TUFF		F.CG	2	3	55		8					3	75	12							
210.00	212	2.00	52	DCIT LPLL TUFF		F.CG	3	1	45		10					4	70	7	.1						
212.00	214.35	2.35	50	DCIT LPLL TUFF		F.CG	2		35		30					8	80	8							
214.35	217	2.65	52	BAS DYKE		FG			2		20		1				25	.2							
217.00	219	2.00	50	BAS DYKE		FG					20		1				25	.2							
219.00	221.53	2.53	42	BAS DYKE		FG			1		20		1				25	.2							
221.53	224.31	2.78	49	DCIT LPLL TUFF		F.CG	15	2	40		5			2		8	75	8							
224.31	226.16	1.85	54	BAS DYKE		FG		1			20		1				25	.2							
226.16	229	2.84	47	DCIT LPLL TUFF		F.CG	40		30		2			2		8	85	15	.1						
229.00	232	3.00	46	DCIT LPLL TUFF		F.CG	30		30		2			5		10	80								
232.00	235	3.00	35	DCIT LPLL TUFF		F.CG	25		35		5			1		2	75	12	.1						
235.00	238	3.00	52	DCIT LPLL TUFF		F.CG	25		30		5			10		10	85	15	.2						
238.00	241	3.00	62	DCIT LPLL TUFF		F.CG	20		40		8			3		8	85	15	.3						
241.00	244	3.00	57	DCIT LPLL TUFF		F.CG	8		40		5			2		8	70	10	.1						
244.00	247	3.00	52	DCIT LPLL TUFF		F.CG	5		45		5		1			5	65	8	.1						
247.00	250	3.00	61	DCIT LPLL TUFF		F.CG	15		40		5		2	5		5	80	10	.5						
250.00	253	3.00	57	DCIT LPLL TUFF		F.CG	12		40		8		2	5		5	75	10	.1						
253.00	255.12	2.12	49	DCIT LPLL TUFF		F.CG	15		40		10		3	5		8	85	12	.1						

REPORT #: 890472 PA WESTERN CANADIAN MINING Proj: 9101 Date In: 89/08/17 Date Out:89/08/28 Att:

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sn ppm	Sr ppm	U ppm	W ppm	Zn ppm
14153	0.5	0.62	16	10	<3	0.17	0.7	20	42	2038	5.14	0.18	0.41	93	9	0.01	50	0.13	27	<2	<2	32	<5	<3	41
14154	0.5	0.28	28	5	<3	0.10	1.2	22	58	2453	7.51	0.24	0.10	28	7	0.02	61	0.07	34	<2	3	26	<5	<3	20
14155	0.5	0.48	23	11	<3	0.19	0.8	21	105	3328	6.30	0.22	0.20	79	13	0.01	57	0.14	30	<2	2	8	<5	<3	35
14156	1.1	0.38	43	10	<3	0.13	1.2	16	76	3648	6.31	0.21	0.19	78	8	0.01	55	0.10	44	<2	2	9	<5	<3	46
14157	0.5	0.54	42	9	<3	0.21	1.1	26	71	1599	6.61	0.23	0.36	121	13	0.01	79	0.15	38	<2	2	13	<5	<3	79
14158	0.3	0.32	25	8	<3	0.11	1.1	27	70	1798	6.10	0.20	0.15	33	8	0.01	81	0.12	26	<2	2	9	<5	<3	30
14159	0.6	0.52	25	7	<3	0.18	0.7	22	97	2722	5.55	0.19	0.27	57	14	0.01	64	0.14	29	<2	<2	15	<5	<3	42
14160	1.1	0.23	60	9	<3	0.21	0.7	18	81	3600	5.93	0.21	0.04	26	10	0.01	43	0.17	31	<2	2	19	<5	<3	29
14161	0.5	0.37	30	9	<3	0.22	0.8	24	54	1923	6.08	0.22	0.19	54	17	0.01	48	0.16	26	<2	2	16	<5	<3	30
14162	0.5	0.34	28	9	<3	0.31	0.8	29	68	1795	6.71	0.25	0.22	130	11	0.01	52	0.18	34	<2	3	19	<5	<3	25
14163	0.3	0.42	22	14	<3	0.32	0.7	26	84	1650	5.31	0.21	0.29	219	35	0.01	76	0.16	34	<2	2	18	<5	<3	28
14164	0.8	0.34	33	7	<3	0.30	1.5	20	65	2708	7.32	0.27	0.23	199	8	0.02	51	0.17	33	<2	3	21	<5	<3	30
14165	1.2	0.35	24	10	<3	0.24	1.2	15	54	4345	5.94	0.21	0.18	105	8	0.01	34	0.16	26	<2	3	12	<5	<3	27
14166	1.7	0.33	30	12	<3	0.31	1.3	21	74	5123	7.53	0.27	0.27	169	8	0.02	59	0.16	50	<2	3	11	<5	<3	46
14167	0.5	0.84	29	17	<3	0.59	1.2	33	64	2194	6.01	0.27	1.00	394	22	0.01	36	0.20	32	<2	2	16	<5	<3	147
14168	1.2	0.49	60	12	<3	0.54	1.3	26	77	3502	7.24	0.30	0.62	289	10	0.01	52	0.18	59	<2	2	14	<5	<3	91
14169	2.5	0.48	51	7	<3	0.64	1.5	32	72	4705	7.13	0.31	0.72	463	10	0.01	68	0.14	80	<2	2	26	<5	<3	75
14170	1.2	0.89	25	13	<3	0.59	1.1	27	76	4517	4.96	0.24	1.06	314	6	0.01	63	0.21	30	<2	2	24	<5	<3	179
14171	1.5	0.42	66	10	<3	0.70	2.2	26	115	7109	6.77	0.31	0.67	546	14	0.01	46	0.16	194	<2	3	25	<5	<3	85
14172	0.6	0.79	38	19	<3	0.22	0.5	16	45	3051	4.22	0.16	0.53	155	9	0.01	9	0.18	40	<2	<2	32	<5	<3	138
14173	0.6	1.29	33	13	<3	0.19	0.8	18	41	2260	4.76	0.17	0.99	292	17	0.01	7	0.16	50	<2	<2	50	<5	<3	276
14174	1.1	0.81	25	12	<3	0.15	0.7	17	51	1989	4.72	0.17	0.59	213	10	0.01	7	0.11	88	<2	<2	43	<5	<3	153
14175	1.1	1.15	36	8	<3	0.21	1.1	18	65	1574	6.38	0.23	0.84	326	15	0.01	9	0.16	78	<2	2	37	<5	<3	176
14176	1.1	0.88	32	8	<3	0.20	1.2	16	43	1635	5.92	0.21	0.63	262	11	0.01	8	0.15	38	<2	2	58	<5	<3	104
14177	0.5	1.09	33	10	<3	0.37	1.1	14	38	874	6.15	0.25	0.89	348	9	0.01	9	0.17	35	<2	2	88	<5	<3	126
14178	0.5	0.72	27	12	<3	0.24	1.1	15	47	1182	5.08	0.19	0.51	195	6	0.01	8	0.17	30	<2	<2	49	<5	<3	125
14179	1.2	0.32	40	7	<3	0.18	0.7	13	93	3377	5.17	0.19	0.04	21	9	0.01	10	0.14	38	<2	2	130	<5	<3	26
14180	1.5	0.23	151	7	<3	0.18	0.7	18	63	4772	5.01	0.19	0.04	19	6	0.01	11	0.13	34	<2	2	171	<5	<3	88
14181	1.2	0.30	167	7	<3	0.17	0.8	15	58	4328	5.97	0.23	0.06	23	7	0.01	9	0.13	54	<2	2	279	<5	<3	74
14182	1.1	0.34	112	9	<3	0.16	1.1	15	102	4689	5.45	0.22	0.06	24	28	0.01	9	0.12	35	<2	2	419	<5	<3	145
14183	1.2	0.29	232	7	<3	0.19	1.1	16	64	4632	6.69	0.25	0.04	23	9	0.01	9	0.14	139	<2	3	308	<5	<3	136
14184	1.2	0.29	175	18	<3	0.21	0.1	9	94	4434	4.69	0.17	0.01	20	8	0.01	10	0.15	83	<2	2	31	<5	<3	37
14185	0.8	0.24	142	12	<3	0.18	0.7	11	63	5265	6.08	0.21	0.02	19	7	0.02	11	0.14	48	<2	2	30	<5	<3	46
14186	1.1	0.37	54	7	<3	0.19	0.7	11	94	5457	5.45	0.20	0.04	20	7	0.01	9	0.15	47	<2	2	55	<5	<3	56
14187	0.1	0.25	169	26	<3	0.19	0.1	15	57	2570	4.40	0.16	0.01	16	5	0.02	6	0.14	35	<2	<2	38	<5	<3	28
14188	0.5	0.23	169	14	<3	0.23	0.3	13	90	5196	4.20	0.16	0.01	15	8	0.02	8	0.17	28	<2	2	43	<5	<3	59
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum

REPORT #: 890472 PA WESTERN CANADIAN MINING Proj: 9101 Date In: 89/08/17 Date Out:89/08/28 Att:

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
14189	0.6	0.24	125	12	<3	0.17	1.8	12	78	4142	4.28	0.16	0.02	19	6	0.02	7	0.13	62	<2	2	43	<5	<3	7
14190	0.3	0.32	175	9	<3	0.21	0.8	17	120	1869	5.09	0.19	0.03	20	14	0.02	14	0.15	96	<2	3	59	<5	<3	10
14191	0.3	0.31	139	10	<3	0.20	0.7	19	66	3024	5.04	0.18	0.04	17	9	0.02	12	0.15	42	<2	2	41	<5	<3	3
14192	0.6	0.34	104	6	<3	0.19	0.7	10	106	2318	4.70	0.17	0.04	20	13	0.02	7	0.13	27	<2	2	48	<5	<3	3
14193	0.2	0.27	109	12	<3	0.20	1.1	16	65	2130	5.10	0.18	0.03	21	10	0.02	9	0.15	77	<2	2	33	<5	<3	4
14194	0.5	0.34	181	15	<3	0.22	1.1	17	96	1760	5.36	0.20	0.04	24	9	0.02	9	0.16	95	<2	2	61	<5	<3	6
14195	1.2	0.34	44	10	<3	0.29	1.1	16	63	3458	6.09	0.26	0.07	39	6	0.02	7	0.21	78	<2	2	414	<5	<3	4
14196	0.7	0.39	88	10	<3	0.24	1.3	24	98	3848	6.40	0.26	0.09	34	11	0.02	7	0.18	42	<2	2	350	<5	<3	1
14197	0.7	0.28	336	12	<3	0.27	0.2	15	57	2186	4.38	0.21	0.02	23	10	0.01	6	0.18	52	<2	2	524	<5	<3	4
14198	1.7	0.29	497	10	<3	0.32	0.2	15	111	3329	5.95	0.27	0.02	22	13	0.01	24	0.16	102	<2	3	560	<5	<3	3
14199	1.1	0.31	183	15	<3	0.24	0.7	16	50	2393	4.98	0.21	0.03	20	5	0.01	8	0.17	37	<2	2	324	<5	<3	3
14200	1.4	0.36	952	18	<3	0.30	0.1	17	88	4030	4.22	0.24	0.04	18	8	0.01	6	0.17	44	<2	2	827	<5	<3	14
14201	1.7	0.29	498	8	<3	0.19	0.6	18	65	5835	6.92	0.26	0.07	20	8	0.02	36	0.13	51	<2	3	256	<5	<3	6
14202	1.7	0.30	750	9	<3	0.19	0.1	15	87	4461	6.31	0.23	0.05	17	9	0.01	42	0.13	81	<2	3	171	<5	<3	11
14203	1.7	0.23	681	8	<3	0.25	0.6	17	66	5967	6.91	0.26	0.03	19	8	0.01	43	0.15	93	<2	3	169	<5	<3	10
14204	1.1	0.26	141	6	<3	0.22	1.8	19	99	5152	7.61	0.27	0.07	30	11	0.02	36	0.15	52	<2	3	81	<5	<3	3
14205	1.2	0.23	639	10	<3	0.23	0.1	14	76	4635	5.33	0.20	0.04	33	8	0.01	23	0.14	76	<2	2	61	<5	<3	17
14206	1.7	0.26	459	9	<3	0.21	1.1	15	103	4689	5.84	0.21	0.07	34	12	0.01	10	0.13	49	<2	3	45	<5	<3	16
14207	0.7	0.37	33	14	<3	0.27	1.3	16	42	2484	5.29	0.20	0.20	89	6	0.01	6	0.16	21	<2	2	26	<5	<3	5
14208	1.1	1.18	19	25	<3	0.44	1.1	13	52	1709	4.09	0.19	1.11	427	7	0.01	5	0.18	19	<2	<2	32	<5	<3	21
14209	0.8	1.07	25	31	<3	0.34	0.8	15	24	1713	4.01	0.17	0.98	226	8	0.01	10	0.19	20	<2	2	21	<5	<3	17
14210	0.6	1.63	29	31	<3	0.47	1.3	17	42	1104	4.36	0.20	1.71	511	9	0.01	6	0.18	23	<2	<2	17	<5	<3	26
14211	0.5	1.27	28	21	<3	0.58	1.3	18	30	1266	4.69	0.23	1.46	508	7	0.01	6	0.18	46	<2	<2	24	<5	<3	22
14212	0.8	1.36	41	23	<3	0.44	1.5	15	42	1298	4.15	0.19	1.56	417	10	0.01	5	0.16	39	<2	<2	31	<5	<3	25
14213	0.7	1.59	28	25	<3	0.41	1.3	15	28	1056	4.91	0.21	1.69	475	9	0.01	5	0.17	36	<2	<2	14	<5	<3	23
14214	0.2	1.83	17	32	<3	0.40	1.3	17	41	905	4.27	0.19	1.79	425	11	0.01	5	0.18	20	<2	<2	21	<5	<3	19
14215	0.5	1.40	16	14	<3	0.62	1.3	14	27	651	4.78	0.24	1.49	508	12	0.01	6	0.15	27	<2	<2	60	<5	<3	16
14216	0.6	0.76	19	21	<3	0.70	1.2	15	51	1276	4.24	0.23	0.89	500	17	0.01	5	0.16	116	<2	<2	31	<5	<3	11
14217	0.7	1.46	22	28	<3	0.51	1.5	18	28	1271	5.12	0.23	1.53	594	10	0.01	5	0.19	72	<2	<2	12	<5	<3	24
14218	0.6	1.40	26	35	<3	0.38	1.1	18	50	839	4.69	0.20	1.39	372	11	0.01	6	0.18	37	<2	2	11	<5	<3	21
14219	0.5	1.62	19	16	<3	0.42	1.6	18	26	847	4.62	0.20	1.73	443	9	0.01	5	0.17	34	<2	<2	31	<5	<3	19
14220	0.6	1.54	18	14	<3	0.45	1.1	17	41	955	4.18	0.20	1.63	375	8	0.01	6	0.14	34	<2	2	49	<5	<3	17
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	2000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum

ANOMALOUS RESULTS:
FURTHER ANALYSES
BY ALTERNATE
METHODS SUGGESTED

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
• (604) 251-5656
• FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

SAMPLE #	Au ppb
14153	100
14154	100
14155	160
14156	120
14157	140
14158	100
14159	150
14160	120
14161	190
14162	110
14163	290
14164	210
14165	210
14166	180
14167	110
14168	140
14169	200
14170	100
14171	170
14172	180
14173	140
14174	120
14175	150
14176	150
14177	110
14178	80
14179	150
14180	360
14181	190
14182	200
14183	290
14184	220
14185	280
14186	450
14187	100
14188	770
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

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SAMPLE #	Au ppb
14189	300
14190	100
14191	100
14192	70
14193	90
14194	100
14195	190
14196	140
14197	100
14198	130
14199	120
14200	120
14201	130
14202	160
14203	240
14204	200
14205	170
14206	270
14207	190
14208	250
14209	270
14210	110
14211	120
14212	160
14213	160
14214	410
14215	120
14216	130
14217	200
14218	140
14219	130
14220	400

DETECTION LIMIT 5
nd = none detected -- = not analysed is = insufficient sample

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SAMPLE #	Cu %
14152	.46
14153	.24
14154	.30
14155	.38
14156	.42
14157	.18
14158	.23
14159	.32
14160	.44
14161	.23
14162	.22
14163	.21
14164	.32
14165	.51
14166	.59
14167	.27
14168	.43
14169	.54
14170	.56
14171	.82

DETECTION LIMIT .01

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

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SAMPLE #	Cu %
14172	.38
14173	.27
14174	.25
14175	.19
14176	.20
14177	.10
14178	.15
14179	.39
14180	.56
14181	.52
14182	.53
14183	.53
14184	.53
14185	.70
14186	.67
14187	.30
14188	.61
14189	.50
14190	.22
14191	.31

DETECTION LIMIT .01

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

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SAMPLE #	Cu %
14192	.26
14193	.25
14194	.21
14195	.40
14196	.42
14197	.25
14198	.39
14199	.29
14200	.43
14201	.66
14202	.51
14203	.66
14204	.60
14205	.52
14206	.52
14207	.29
14208	.21
14209	.22
14210	.13
14211	.15
DETECTION LIMIT	.01

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

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SAMPLE #	Cu %
14212	.16
14213	.12
14214	.11
14215	.07
14216	.15
14217	.15
14218	.09
14219	.09
14220	.13

DETECTION LIMIT .01

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001I ppm = parts per million < = less than

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SAMPLE #	Cu %	Au oz/st
14221	.35	.006
14222	.35	<.005
14223	.18	.012
14224	.01	<.005
14225	<.01	<.005
14226	.03	.008
14227	.08	<.005
14228	<.01	<.005
14229	.38	.006
14230	.32	<.005
14231	.28	<.005
14232	.26	.006
14233	.24	.010
14234	.22	<.005
DETECTION LIMIT	.01	.005

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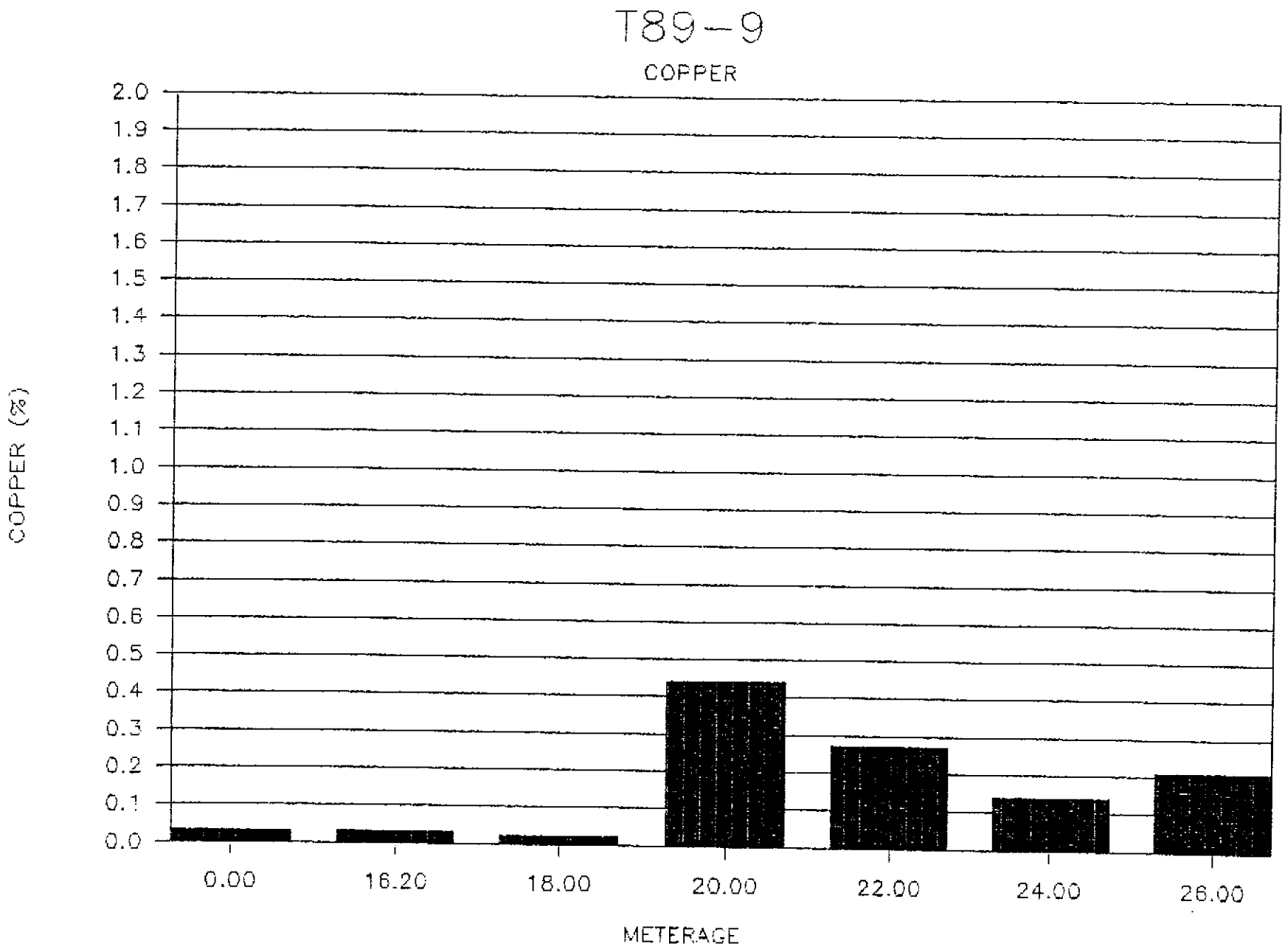
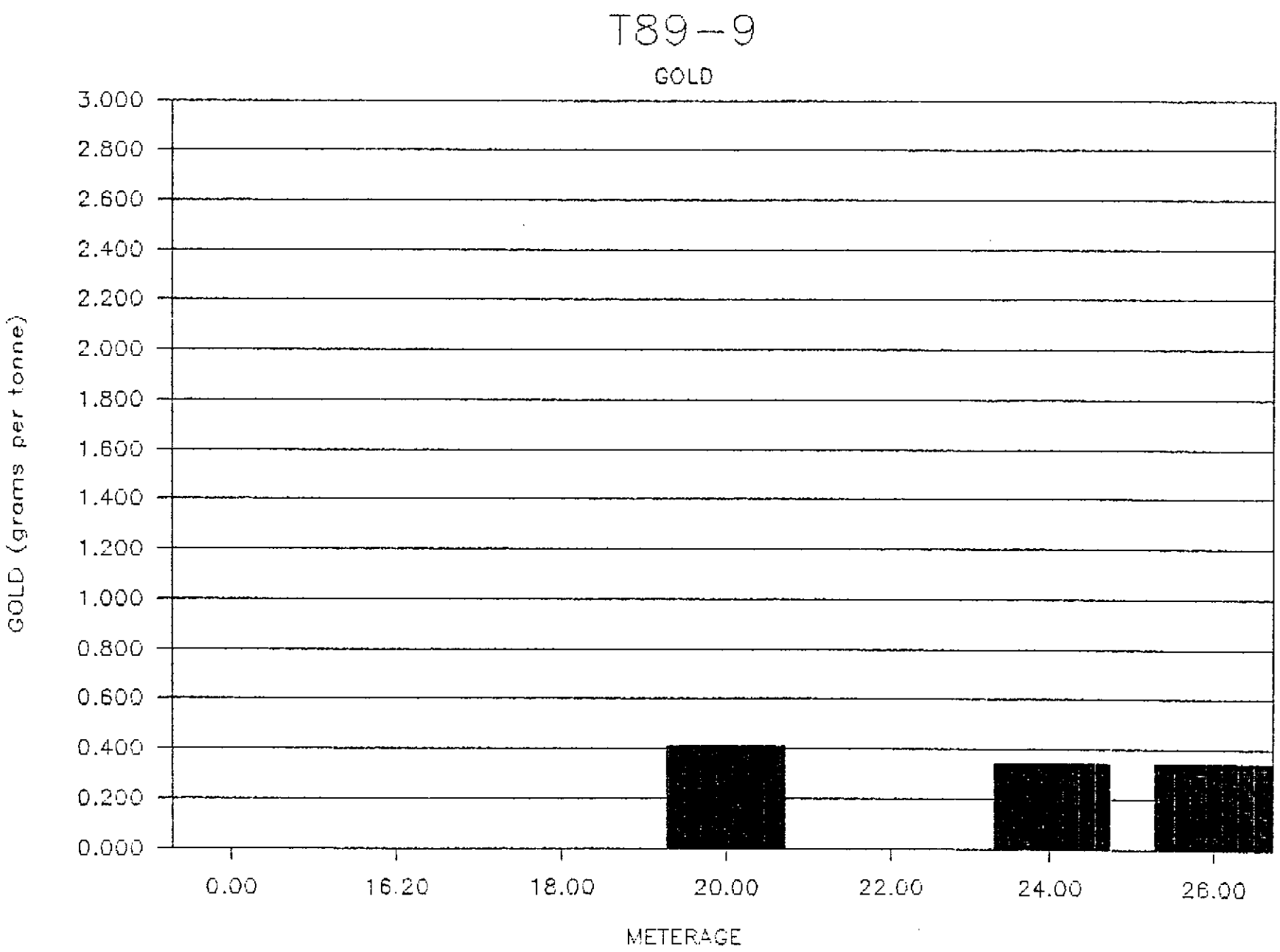
SAMPLE #	Cu %	Au oz/st
14235	.17	<.005
14236	.26	<.005
14237	.13	.006
14238	.14	<.005


T89-9
COPPER
COPPER (%)
2.0
1.9
1.8
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
0.00
16.20
18.00
20.00
22.00
24.00
26.00
METERAGE


T89-9
GOLD
3.000
2.800
2.600
2.400
2.200
2.000
1.800
1.600
1.400
1.200
1.000
0.800
0.600
0.400
0.200
0.000
GOLD (grams per tonne)
0.00
16.20
18.00
20.00
22.00
24.00
26.00
METERAGE

D.D. HOLE No. K-89-9

Location	TEDRAY CLAIM	Collar Northing	10865.06 m
Date Started	August 14, 1989	Easting	9398.45 m
Date Completed	August 16, 1989	Elevation	1165.85 m
Core Recovery	40.69%	Azimuth	090 Dip -60 deg.
Drilled By	J.T.Thomas Drilling	Length	30.48 m
Logged By	S.G. Casselman	Hor. Proj.	15.24 m
Objective	Test for rubble zone west of hole T89-8	Vert. Proj.	26.40 m

METRES From	METRES To	DESCRIPTION
0.00	30.48	OVERBURDEN - no core from 0 to 16.2 - from 16.2 to 30.48 cored but material is boulders, sand and clay from overburden - from 16.2 to 22.2 material is quite orange coloured, limonitic clay/sericite schist - from 22.2 to 30.48, core consists of pebbles and up to 20 cm long pieces of core (from boulders) of a variety of rock types: 1) fine-grained green andesite; 2) quartz-sulphide (10% py, 3% cp); 3) quartz-sericite-pyrite schist; 4) dacite tuff - S.G. at 17.00 m = 2.49 g/cc 29.00 m = 2.86 g/cc - average S.G. = 2.67 g/cc HOLE LOST IN OVERBURDEN

SAMPLING Spl.#	From	To	m	Rec %	Au oz/st	Ag ppm	Cu ppm	Cu %
18601	16.20	18.00	1.80	61.00	<.005			0.03
18602	18.00	20.00	2.00	29.00	<.005			0.03
18603	20.00	22.00	2.00	75.00	<.005			0.02
18604	22.00	24.00	2.00	45.00	0.012			0.44
18605	24.00	26.00	2.00	21.00	<.005			0.27
18606	26.00	28.00	2.00	21.00	0.010			0.14
18607	28.00	30.48	2.48	37.00	0.010			0.21

Ref	North	East	RL	Azim	Dip	Length	Category	Remarks
899	10865.06	9398.45	1165.85	90	60	30.48	Tedray	Tedray hole - lost in overburden

FROM	Dist	WDTH	RQ	ROCKNAME	UNT	TXT	SI	QV	SE	CY	CH	EP	CB	GM	A1	A2	IN	PY	CP	SP	CC	NC	M1	M2
F																								
	16.2			OVERBURDEN																				
	18			OVERBURDEN																				
	20			OVERBURDEN																				
	22			OVERBURDEN																				
	24			OVERBURDEN																				
	26			OVERBURDEN																				
	28			OVERBURDEN																				
	30.48			OVERBURDEN																				

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SAMPLE #	Cu %	Au oz/st
18601	.03	<.005
18602	.03	<.005
18603	.02	<.005
18604	.44	.012
18605	.27	<.005
18606	.14	.010
18607	.21	.010
DETECTION LIMIT	.01	.005

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

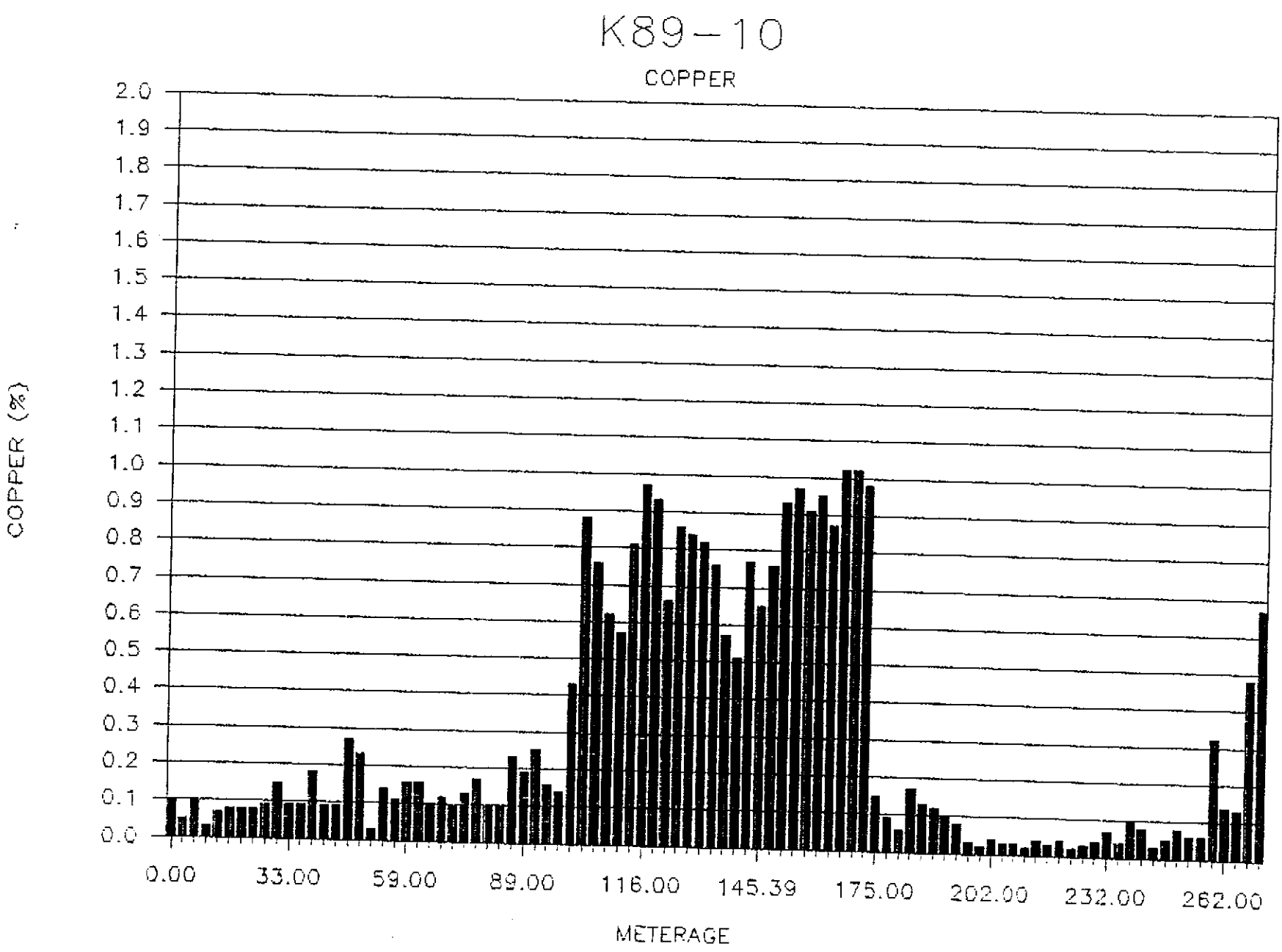
signed: _____

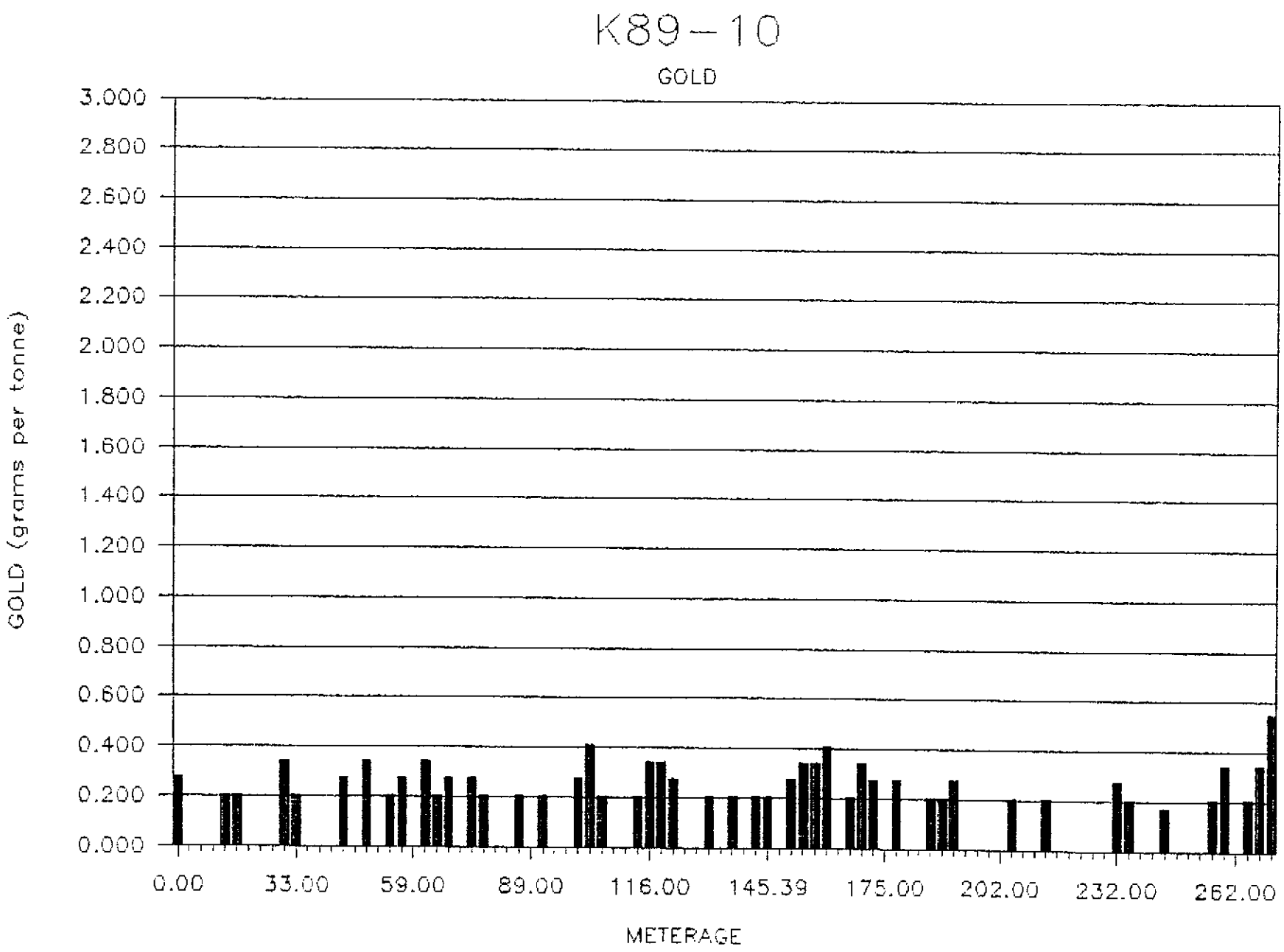
D.D. HOLE No. T 89 9A

PAGE: 1 of 1

Location	Tedray Property	Collar Northing	10865.06 m
Date Started	August 14, 1989	Easting	9398.45 m
Date Completed	August 15, 1989	Elevation	1165.85 m
Core Recovery		Azimuth	000 Dip -90 deg.
Drilled By	J.T. Thomas Drilling	Length	42.67 m
Logged By	S.G. Casselman	Hor. Proj.	0.00 m
Objective	Test for B-zone mineralisation on Tedray Property	Vert. Proj.	42.67 m
		Core Size	BQ

METRES From	To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au ppb	Ag ppm	Cu ppm	Cu %
0.00	42.67	OVERBURDEN									
	E.O.H.										
		HOLE ABANDONED IN OVERBURDEN									


K89-10
COPPER
COPPER (%)
2.0
1.9
1.8
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
0.00
33.00
59.00
89.00
116.00
145.39
175.00
202.00
232.00
262.00
METERAGE


K89-10
GOLD
3.000
2.800
2.600
2.400
2.200
2.000
1.800
1.600
1.400
1.200
1.000
0.800
0.600
0.400
0.200
0.000
GOLD (grams per tonne)
0.00
33.00
59.00
89.00
116.00
145.39
175.00
202.00
232.00
262.00
METERAGE

D.D. HOLE No. K-89-10

Location	F-zone north-west	Collar Northing	10688.93 m
Date Started	August 16, 1989	Easting	9471.95 m
Date Completed	August 19,1989	Elevation	1232.84 m
Core Recovery	91.13%	Azimuth	090 Dip -60 deg.
Drilled By	J.T.Thomas Drilling	Length	276.45 m
Logged By	S.G. Casselman	Hor. Proj.	152.30 m
Objective	Intersect B-zone down-dip	Vert. Proj.	230.10 m
		Core Size	BQ

METRES From	METRES To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au oz/st	Ag ppm	Cu ppm	Cu %
0.00	6.10	OVERBURDEN									
6.10	55.15	DACITE LAPILLI TUFF - light to medium grey to green - lapilli texture visible from 24.0 to 55.15 m - from 6.1 to 24.0 core is intensely sericitized and moderately foliated at 55 degrees to C.A. - core is moderately silicified (5 - 8%) - patches of clay minerals (montmorillonite) - green micaceous mineral begins to occur from 24.0 and becomes quite abundant from 30.0 (believed to be mainly ankerite but possibly some mariposite) - possible traces of epidote at 48.0 to 54.0 - contains from 6 to 23% pyrite in places - from 34.2 to 34.6: massive fine grained pyrite-quartz vein - 10 cm pyrite vein at 138.8 m - pyrite occurs as medium grained disseminations and 1 mm to 4 cm veins - traces of chalcocite throughout, mainly as thin coatings on pyrite - at 46.75 m, have a <1 mm blue-grey sulphide veinlet as well as coating a fracture plane at 46.80; mineral is believed to be chalcocite or tennantite - core is fairly competent: average piece 20 to 30 cm long - fractured at 60 degrees to C.A.	14239	6.10	9.0	2.90	104	0.008			0.10
			14240	9.00	12.00	3.00	104	<.005			0.05
			14241	12.00	15.00	3.00	97	<.005			0.10
			14242	15.00	18.00	3.00	92	<.005			0.03
			14243	18.00	21.00	3.00	98	0.006			0.07
			14244	21.00	24.00	3.00	81	0.006			0.08
			14245	24.00	27.00	3.00	98	<.005			0.08
			14246	27.00	30.00	3.00	97	<.005			0.08
			14247	30.00	33.00	3.00	99	<.005			0.09
			14248	33.00	36.00	3.00	99	0.010			0.15
			14249	36.00	39.00	3.00	97	0.006			0.09
			14250	39.00	42.00	3.00	98	<.005			0.09
			14251	42.00	45.00	3.00	99	<.005			0.18
			14252	45.00	48.00	3.00	98	<.005			0.09
			14253	48.00	51.00	3.00	95	0.008			0.09
			14254	51.00	54.00	3.00	73	<.005			0.27
			14255	54.00	55.15	1.15	83	0.010			0.23

METRES From	To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au oz/st	Ag ppm	Cu ppm	Cu %
		- S.G. at 7.00 m - 2.95 g/cc 17.00 m - 2.91 g/cc 27.00 m - 2.92 g/cc 37.00 m - 3.16 g/cc 47.00 m - 2.91 g/cc - average S.G. = 2.97 g/cc									
55.15	56.52	ANDESITE DYKE - light to medium green, fine to medium grained - 40 cm white quartz-calcite vein containing xenoliths of dyke and 3% dark green wispy chlorite - traces of very fine grained pyrite - no visible copper mineral - quartz-calcite veins cut dyke at 20 degrees to C.A. - contacts at 50 degrees to C.A.	14256	55.15	56.52	1.37	93	<.005			0.03
56.52	92.66	DACITE LAPILLI TUFF - as in 6.10 to 55.19 m - light to medium grey green - 5 to 30% silica - patches and bands - 30 to 50% sericite - pervasive - 1 to 10% chlorite - wisps and disseminations - 1 to 10% green micaceous wispy mineral (ankerite?) - increase in chalcocite content from above dacite lapilli tuff - chalcocite occurs as very fine grained blue-grey sulphide contained within silicified bands and patches - traces to 5% chalcopyrite - up to 17% pyrite - pyrite occurs mainly as disseminations and 1 to 2 mm veinlets; occasional pyrite vein up to 10 cm wide - at 91.7 (at rubble zone contact): 30 cm quartz-pyrite vein (40% coarse pyrite) - lower contact with rubble zone is gradational over 6 m - S.G. at 57.00 m - 3.00 g/cc 67.00 m - 3.04 g/cc 77.00 m - 3.06 g/cc 87.00 m - 2.90 g/cc - average S.G. = 3.00 g/cc	14257	56.52	59.00	2.48	98	0.006			0.14
			14258	59.00	62.00	3.00	99	0.008			0.11
			14259	62.00	65.00	3.00	97	<.005			0.16
			14260	65.00	68.00	3.00	98	0.010			0.16
			14261	68.00	71.00	3.00	98	0.006			0.10
			14262	71.00	74.00	3.00	99	0.008			0.12
			14263	74.00	77.00	3.00	98	<.005			0.10
			14264	77.00	80.00	3.00	100	0.008			0.13
			14265	80.00	83.00	3.00	94	0.006			0.17
			14266	83.00	86.00	3.00	98	<.005			0.10
			14267	86.00	89.00	3.00	98	<.005			0.10
			14268	89.00	91.00	2.00	96	0.006			0.23
			14269	91.00	92.60	1.60	93	<.005			0.19

METRES From	To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au oz/st	Ag ppm	Cu ppm	Cu %
92.66	145.39	RUBBLE ZONE - intensely fractured; average piece 1 to 10 cm long - from 104 to 105 consists of quartz-pyrite sand - no rock pieces at all - core is fractured at 70 degrees to C.A. - overall light to medium grey colour - rubble zone is intensely sericitized (50-75%), weakly silicified (1-10%), and contains patches of light green micaceous mineral, believed to be ankerite (1-10%) - very soft, friable core - contains 8-20% pyrite as fine grained disseminations, veinlets, and blebs up to 5mm across - abundant (1-3%) chalcocite as fracture coatings, and coatings on pyrite and chalcopyrite, as well as fine grey disseminations in quartz veins or silicified patches - traces of chalcopyrite are scattered throughout the interval - traces of white clay minerals on fracture surfaces - S.G. at 97.00 m - 2.86 g/cc 107.00 m - 2.55 g/cc 117.00 m - 2.61 g/cc 127.00 m - 2.90 g/cc 137.00 m - 2.42 g/cc - average S.G. = 2.67 g/cc	14270	92.60	95.00	2.40	46	0.006			0.25
			14271	95.00	98.00	3.00	80	<.005			0.16
			14272	98.00	101.00	3.00	84	<.005			0.14
			14273	101.00	104.00	3.00	68	0.008			0.43
			14274	104.00	107.00	3.00	53	0.012			0.88
			14275	107.00	110.00	3.00	53	0.006			0.76
			14276	110.00	113.00	3.00	72	<.005			0.62
			14277	113.00	116.00	3.00	88	<.005			0.57
			14278	116.00	119.00	3.00	77	0.006			0.81
			14279	119.00	122.00	3.00	58	0.010			0.97
			14280	122.00	125.00	3.00	37	0.010			0.93
			14281	125.00	128.00	3.00	23	0.008			0.66
			14282	128.00	131.00	3.00	49	<.005			0.86
			14283	131.00	134.00	3.00	78	<.005			0.84
			14284	134.00	137.00	3.00	72	0.006			0.82
			14285	137.00	140.00	3.00	82	<.005			0.76
			14286	140.00	143.00	3.00	80	0.006			0.57
			14287	143.00	145.39	2.39	97	<.005			0.51
145.39	178.05	DACITE LAPILLI TUFF - medium green colour - relic lapilli texture evident - intensely sericitized, silicified - 1-2% clay minerals along fractures and - 1-8% green micaceous, wispy mineral (ankerite?) - 1-5% anhydrite, which occurs as a filling in small (1-2 mm) microfractures and veins up to 5 cm wide - 8-20% pyrite as fine disseminations and stringers, and as very fine grained masses, generally in silicified sections - 0.5-2% chalcopyrite as small (1 mm) "splashes" and as globs (up to 1 cm) in quartz and gypsum veins	14288	145.39	148.00	2.61	94	0.006			0.77
			14289	148.00	151.00	3.00	95	0.006			0.65
			14290	151.00	154.00	3.00	99	<.005			0.76
			14291	154.00	157.00	3.00	99	0.008			0.93
			14292	157.00	160.00	3.00	97	0.010			0.97
			14293	160.00	163.00	3.00	87	0.010			0.91
			14294	163.00	166.00	3.00	99	0.012			0.95
			14295	166.00	169.00	3.00	101	<.005			0.87
			14296	169.00	172.00	3.00	99	0.006			1.02
			14297	172.00	175.00	3.00	99	0.010			1.02
			14298	175.00	178.05	3.05	98	0.008			0.98

METRES From	METRES To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au oz/st	Ag ppm	Cu ppm	Cu %
		- chalcopyrite probably also occurs within very fine grained pyrite masses - difficult to distinguish - 0.8-2% chalcocite as a coating on other sulphides and filling microfractures in silicified patches - S.G. at 147.00 m - 2.83 g/cc 157.00 m - 2.85 g/cc 167.00 m - 2.77 g/cc 177.00 m - 2.95 g/cc - average S.G. = 2.85 g/cc									
178.05	183.74	DACITE CRYSTAL TUFF - light to medium grey - fairly homogeneous, fine to medium grained - 10% disseminated, subhedral crystals, mainly hornblende and plagioclase crystals which have been altered to chlorite and sericite, respectively - interval is very competent; average piece = 30 to 40 cm long - interval is pervasively sericitized:50% - silicification and copper mineralization observed in overlying dacite lapilli tuff drops off noticeably at contact, into crystal tuff - crystal tuff is much more competent and less permeable, hence less veining and mineralization - crystal tuff contains up to 5% quartz veining generally with a small amount of calcite - from 1 to 10% anhydrite as filling in small microfractures (1 mm wide) which are at 40 deg. to C.A. and as 0.5-1 cm veins - anhydrite occasionally occurs with quartz in veins - 5-6% pyrite, mainly as medium grained subhedral disseminations, rarely as 1-2 mm stringers - traces of chalcocite as coatings on pyrite grains and very fine disseminations in quartz veins and patches - traces of chalcopyrite in quartz veins	14299 14300	178.05 181.00	181.00 183.74	2.95 2.74	97 99	<.005 0.008			0.15 0.09

METRES From	To	DESCRIPTION	SAMPLING Spl #	From	To	m	Rec %	Au oz/st	Ag ppm	Cu ppm	Cu %
183.74	184.00	ANDESITE DYKE - light grey, very fine grained - 0.26 m dyke which is bleached to grey colour with 10% quartz-calcite veining - 20% sericite - 5% anhydrite filling small micro-fractures and along contact - no visible sulphide mineralization	14301	183.74	184.00	0.26	123	<.005			0.06
184.00	271.00	DACITE CRYSTAL TUFF - as in 178.05 to 183.74 - light to medium grey - fairly homogeneous - 10% hornblende and plagioclase crystals altered to chlorite and sericite, respectively - 7% medium grained disseminated pyrite - traces of chalcocite throughout interval has very fine grey disseminations, generally in quartz spots and veins - from 1-10% anhydrite - generally occurring as veins with quartz and blebs - at 229.3, 10 cm massive anhydrite vein - anhydrite filling 1 mm microfractures becomes rarer from 220 to 240 m, then picks up - specks of chalcocite in quartz-anhydrite veins at 192.7 m -S.G.at 187.00 m - 2.87 g/cc 197.00 m - 2.81 g/cc 207.00 m - 2.92 g/cc 217.00 m - 2.86 g/cc 227.00 m - 2.84 g/cc 237.00 m - 2.86 g/cc 247.00 m - 2.83 g/cc 257.00 m - 2.81 g/cc 267.00 m - 2.87 g/cc - average S.G. = 2.85 g/cc	14302	184.00	187.00	3.00	97	<.005			0.17
			14303	187.00	190.00	3.00	95	0.006			0.13
			14304	190.00	193.00	3.00	98	0.006			0.12
			14305	193.00	196.00	3.00	97	0.008			0.10
			14306	196.00	199.00	3.00	99	<.005			0.08
			14307	199.00	202.00	3.00	99	<.005			0.03
			14308	202.00	205.00	3.00	100	<.005			0.02
			14309	205.00	208.00	3.00	95	<.005			0.04
			14310	208.00	211.00	3.00	99	0.006			0.03
			14311	211.00	214.00	3.00	97	<.005			0.03
			14312	214.00	217.00	3.00	100	<.005			0.02
			14313	217.00	220.00	3.00	98	0.006			0.04
			14314	220.00	223.00	3.00	98	<.005			0.03
			14315	223.00	226.00	3.00	99	<.005			0.04
			14316	226.00	229.00	3.00	98	<.005			0.02
			14317	229.00	232.00	3.00	97	<.005			0.03
			14318	232.00	235.00	3.00	96	<.005			0.04
			14319	235.00	238.00	3.00	97	0.008			0.07
			14320	238.00	241.00	3.00	97	0.006			0.04
			14321	241.00	244.00	3.00	101	<.005			0.10
			14322	244.00	247.00	3.00	97	<.005			0.08
			14323	247.00	250.00	3.00	98	0.005			0.03
			14324	250.00	253.00	3.00	99	<.005			0.05
			14325	253.00	256.00	3.00	98	<.005			0.08
			14326	256.00	259.00	3.00	98	<.005			0.06
			14327	259.00	262.00	3.00	99	0.006			0.06
			14328	262.00	265.00	3.00	101	0.010			0.32
			14329	265.00	268.00	3.00	93	<.005			0.14
			14330	268.00	271.00	3.00	97	0.006			0.13

METRES From	To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au oz/st	Ag ppm	Cu ppm	Cu %
271.00	276.45 (EOH)	DACITE LAPILLI TUFF - medium to dark green, fine to medium grained relic lapilli faint but visible - 5% sillicification, 10% quartz-calcite veining - 15% pervasive chlorite gives core dark green colour - distinguishable from overlying unit - 1-2% gypsum filling microfractures - up to 1% chalcopyrite occurring as blebs up to 1 cm long in quartz-calcite veins - 0.8% chalcocite as blue-grey mineral filling fractures in silicified patches and as a coating on other sulphides - lapilli tuff appears to be better host for copper sulphide mineralization than overlying crystal tuff - unit is quite competent - average piece: 20 to 30 cm long DIP TEST (corrected) at 276.45 m - 53 degrees HOLE SHUT DOWN, NEARING DEPTH LIMIT OF DRILL	14331	271.00	274.00	3.00	97	0.010			0.48
			14332	274.00	276.45	2.45	100	0.016			0.67

Ref	North	East	RL	Azim	Dip	Length	Category	Remarks
8910	10688.93	9471.95	1232.84	90	60	276.45	P-zone	Section north of P-zone. just south of Tedray claim

FROM	Dist	WDTH	RQ	ROCKNAME	UNT	TXT	SI	QV	SE	CY	CH	EP	CB	GM	A1	A2	IN	PY	CP	SP	CC	NC	M1	M2
F																								
	6.10			OVERBURDEN																				
6.10	9.0	2.90	52	DCIT LPLL TUFF		F.CG	15	1	50	1				1			80	12			.1			
9.00	12	3.00	36	DCIT LPLL TUFF		F.CG	5	1	65	10							85	7			.1			
12.00	15	3.00	53	DCIT LPLL TUFF		F.CG	12	3	60	1	1			1			80	15			.1			
15.00	18	3.00	42	DCIT LPLL TUFF		F.CG	5	3	65	2				1			80	8	.1		.1			
18.00	21	3.00	40	DCIT LPLL TUFF		F.CG	2	1	65	1	2			2			75	6			.3			
21.00	24	3.00	35	DCIT LPLL TUFF		F.CG	3	3	70	8	1						90	15			.1			
24.00	27	3.00	52	DCIT LPLL TUFF		F.CG	5	2	55	1	3			2			70	10			.1			
27.00	30	3.00	47	DCIT LPLL TUFF		F.CG	5	2	55	1	2			2			75	12						
30.00	33	3.00	57	DCIT LPLL TUFF		F.CG	5	3	50	1	4			8			75	12			.2			
33.00	36	3.00	55	DCIT LPLL TUFF		F.CG	3	3	35	1	1			8			75	23	.2		.2			
36.00	39	3.00	46	DCIT LPLL TUFF		F.CG	8	2	50	3				8			70	10			.2			
39.00	42	3.00	48	DCIT LPLL TUFF		F.CG	3	3	40					6			60	20			.2			
42.00	45	3.00	56	DCIT LPLL TUFF		F.CG	1	2	45	1		1		8			65	15	.1		.5			
45.00	48	3.00	56	DCIT LPLL TUFF		F.CG	3	5	30		2	1	2	5			55	15			.5			
48.00	51	3.00	36	DCIT LPLL TUFF		F.CG	8	5	35	3	3	2		10			75	15	.1		.1			
51.00	54	3.00	35	DCIT LPLL TUFF		F.CG	5	2	30		5	2		10			55	12	.1		.1			
54.00	55.15	1.15	42	DCIT LPLL TUFF		F.CG	5	1	50		3			5			65	15	.3		.1			
55.15	56.52	1.37	59	ANDS DYKE		F.MG		30	5		10		15				65	.2						
56.52	59	2.48	55	DCIT LPLL TUFF		F.CG	10	2	35		3			10			65	15	.2		.5			
59.00	62	3.00	53	DCIT LPLL TUFF		F.CG	10	5	35		1			8			65	12	.3		.8			
62.00	65	3.00	49	DCIT LPLL TUFF		F.CG	5	3	35	3			1	8			60	12			.5			
65.00	68	3.00	52	DCIT LPLL TUFF		F.CG	5	3	35	3	5		1	8			60	12			.4			
68.00	71	3.00	64	DCIT LPLL TUFF		F.CG	8	3	30	2	10		1	5			60	10			.5			
71.00	74	3.00	60	DCIT LPLL TUFF		F.CG	15		40	1	5		1	5			70	15	.2		.5			
74.00	77	3.00	57	DCIT LPLL TUFF		F.CG	5	1	35	1	20			5			70	10	.1		.4			
77.00	80	3.00	40	DCIT LPLL TUFF		F.CG	8	2	45	1	10			10			80	12	.1		.3			
80.00	83	3.00	59	DCIT LPLL TUFF		F.CG	2	3	50		2			10			70	12			.5			
83.00	86	3.00	63	DCIT LPLL TUFF		F.CG	2	5	50	2	5			10			75	10			.3			
86.00	89	3.00	62	DCIT LPLL TUFF		F.CG	3	3	45	1	5			8			70	8			.4			
89.00	92	2.00	38	DCIT LPLL TUFF		F.CG	8	2	50	1	1			4			70	10			.5			
91.00	92.6	1.60	51	DCIT LPLL TUFF		F.CG	30	2	45		1			1			80	17	.5		.8			
92.60	95	2.40	27	RUBBLE ZONE		SHRD	10	3	50	3	2			10			85	17	.3		1.5			
95.00	98	3.00	29	RUBBLE ZONE		SHRD	2	2	65	2				8			90	15	.2		1			
98.00	101	3.00	20	RUBBLE ZONE		SHRD	5	3	65	2				10			90	12	.2		1.5			
101.00	104	3.00	9	RUBBLE ZONE		SHRD	2		60	3				5			95	15			3			
104.00	107	3.00	6	RUBBLE ZONE		SHRD	1		70	3				1			95	20			3			
107.00	110	3.00	11	RUBBLE ZONE		SHRD			75	5				1			95	10	.1		2			
110.00	113	3.00	11	RUBBLE ZONE		SHRD	5		60	5							85	8	.5		2			
113.00	116	3.00	13	RUBBLE ZONE		SHRD	5	2	60	5				2			85	7	.1		2			
116.00	119	3.00	9	RUBBLE ZONE		SHRD	2	2	60	8	5			1			90	18			2			
119.00	122	3.00	9	RUBBLE ZONE		SHRD	20		50	10	2			2			90	13	.8		2			
122.00	125	3.00	19	RUBBLE ZONE		SHRD	15		35	5	8			3			80	8	.2		1			
125.00	128	3.00	29	RUBBLE ZONE		SHRD	3	2	55	5	5			2			75	10	.1		.8			
128.00	131	3.00	17	RUBBLE ZONE		SHRD	2	3	60	8	2			3			85	12	.3		1.5			
131.00	134	3.00	27	RUBBLE ZONE		SHRD	5	2	50	12	3			2			80	10	.2		1			
134.00	137	3.00	27	RUBBLE ZONE		SHRD	5		50	10	3			1			70	10	.1		1			
137.00	140	3.00	30	RUBBLE ZONE		SHRD	5		45	5	8						70	12			2			
140.00	143	3.00	26	RUBBLE ZONE		SHRD	1		50	10	5						75	8	.1		1			
143.00	145.39	2.39	23	RUBBLE ZONE		SHRD	15		50	5	10			1			85	10	.3		1			
145.39	148	2.61	39	DCIT LPLL TUFF		F.CG	12	5	50	1	5			3	5		80	12	.5		1			
148.00	151	3.00	40	DCIT LPLL TUFF		F.CG	10	3	50	1	5			3	2		75	10	.8		.8			

Ref	North	East	RL	Azim	Dip	Length	Category	Remarks
8910	10638.93	9471.95	1232.84	90	60	276.45	P-zone	Section north of P-zone, just south of Tedray claim

FROM	Dist	WDTH	RQ	ROCKNAME	UNT	TXT	SI	QV	SE	CY	CH	EP	CB	GM	A1	A2	IN	PY	CP	SP	CC	NC	M1	M2
F																								
151.00	154	3.00	34	DCIT LPLL TUFF		F.CG	10	1	50	2	5			3	5		75	12	.5		1			
154.00	157	3.00	51	DCIT LPLL TUFF		F.CG	10	3	40	2	20			2	5		80	8	.5		1			
157.00	160	3.00	47	DCIT LPLL TUFF		F.CG	10	5	40	2	15			5	1		80	15	2		1			
160.00	163	3.00	49	DCIT LPLL TUFF		F.CG	30		30	2	3			8	1		90	12	1.5		1.5			
163.00	166	3.00	46	DCIT LPLL TUFF		F.CG	15	2	40	2	5			2	5		85	12	1.5		1.5			
166.00	169	3.00	55	DCIT LPLL TUFF		F.CG	25	2	20	1	20			2	3		95	20	1.5		2			
169.00	172	3.00	51	DCIT LPLL TUFF		F.CG	10		30	1	20			5	5		90	18	2		1			
172.00	175	3.00	51	DCIT LPLL TUFF		F.CG	20	5	20		15			1	3		70	12	1		1			
175.00	178.05	3.05	40	DCIT LPLL TUFF		F.CG	20	5	30		10			1	3		75	12	2		1			
178.05	181	2.95	55	DCIT XTAL TUFF		F.CG	5	1	60		5				2		75	5			.2			
181.00	183.74	2.74	55	DCIT XTAL TUFF		F.CG	2	1	55		8				3		75	7			.3			
183.74	184	0.26	50	ANDS DYKE		FG		3	20		5		5		5		35							
184.00	187	3.00	38	DCIT XTAL TUFF		F.CG	1	3	60		5		1		1		75	5			.2			
187.00	190	3.00	39	DCIT XTAL TUFF		F.CG	2	5	55		5		1		5		75	7	.1		.2			
190.00	193	3.00	44	DCIT XTAL TUFF		F.CG	1	5	55		5		1		5		75	5	.2		.2			
193.00	196	3.00	52	DCIT XTAL TUFF		F.CG		3	50		7		1		2		70	5			.2			
196.00	199	3.00	48	DCIT XTAL TUFF		F.CG		2	50		3				10		70	7	.1		.2			
199.00	202	3.00	35	DCIT XTAL TUFF		F.CG	1	2	50		5				8		70	5			.3			
202.00	205	3.00	47	DCIT XTAL TUFF		F.CG		2	50		2				10		70	7			.2			
205.00	208	3.00	44	DCIT XTAL TUFF		F.CG		1	50		3				10		65	7			.5			
208.00	211	3.00	53	DCIT XTAL TUFF		F.CG	2	3	50		8				3		70	8			.3			
211.00	214	3.00	42	DCIT XTAL TUFF		F.CG		5	55		3				5		70	7			.3			
214.00	217	3.00	56	DCIT XTAL TUFF		F.CG		1	55		5				3		65	6	.1		.2			
217.00	220	3.00	50	DCIT XTAL TUFF		F.CG	1	2	55		3				3		65	7			.5			
220.00	223	3.00	55	DCIT XTAL TUFF		F.CG		3	55		5				2		70	7			.5			
223.00	226	3.00	42	DCIT XTAL TUFF		F.CG	2	3	50		8				2		70	8			.2			
226.00	229	3.00	42	DCIT XTAL TUFF		F.CG	1	2	50		10				2		70	6			.3			
229.00	232	3.00	48	DCIT XTAL TUFF		F.CG		2	50		8				10		70	7			.2			
232.00	235	3.00	43	DCIT XTAL TUFF		F.CG	3	2	50		5				1		65	6			.1			
235.00	238	3.00	39	DCIT XTAL TUFF		F.CG	2	3	50		8				1		65	6			.3			
238.00	241	3.00	45	DCIT XTAL TUFF		F.CG		3	50		5						60	5			.4			
241.00	244	3.00	66	DCIT XTAL TUFF		F.CG		1	50		5				1		60	7			.3			
244.00	247	3.00	57	DCIT XTAL TUFF		F.CG		2	55		2				2		65	8			.2			
247.00	250	3.00	41	DCIT XTAL TUFF		F.CG		3	55		1				2		65	7			.2			
250.00	253	3.00	44	DCIT XTAL TUFF		F.CG		3	55		1				2		65	6	.1		.2			
253.00	256	3.00	51	DCIT XTAL TUFF		F.CG		4	55		1				6		65	8	.1		.3			
256.00	259	3.00	54	DCIT XTAL TUFF		F.CG		3	55		3				3		65	7			.3			
259.00	262	3.00	36	DCIT XTAL TUFF		F.CG		2	55		5				4		70	8			.2			
262.00	265	3.00	38	DCIT XTAL TUFF		F.CG	10	1	40		3				5		85	25	.3		.5			
265.00	268	3.00	32	DCIT XTAL TUFF		F.CG	2	3	50		10				1		70	9	.1		.2			
268.00	271	3.00	37	DCIT XTAL TUFF		F.CG	3	5	50		10						70	8	.2		.4			
271.00	274	3.00	59	DCIT LPLL TUFF		F.MG	5	8	30		15		2	1	1		75	12	.8		.8			
274.00	276.45	2.45	56	DCIT LPLL TUFF		F.MG	5	5	30		15		2	1	2		70	14	.6		.8			

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
● (604) 251-5656
● FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

SAMPLE #	Cu %	Au oz/st
14239	.10	.008
14240	.05	<.005
14241	.10	<.005
14242	.03	<.005
14243	.07	.006
14244	.08	.006
14245	.08	<.005
14246	.08	<.005
14247	.09	<.005
14248	.15	.010
14249	.09	.006
14250	.09	<.005
14251	.18	<.005
14252	.09	<.005
14253	.09	.008
14254	.27	<.005
DETECTION LIMIT	.01	.005

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

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BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT
RENO, NEVADA, U.S.A.

SAMPLE #	Cu %	Au oz/st
14255	.23	.010
14256	.03	<.005
14257	.14	.006
14258	.11	.008
14259	.16	<.005
14260	.16	.010
14261	.10	.006
14262	.12	.008
14263	.10	<.005
14264	.13	.008
14265	.17	.006
14266	.10	<.005
14267	.10	<.005
14268	.23	.006
14269	.19	<.005
14270	.25	.006
14271	.16	<.005
14272	.14	<.005
14273	.43	.008
14274	.88	.012
DETECTION LIMIT	.01	.005

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

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1988 TRIUMPH ST.
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BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

SAMPLE #	Cu %	Au oz/st
14275	.76	.006
14276	.62	<.005
14277	.57	<.005
14278	.81	.006
14279	.97	.010
14280	.93	.010
14281	.66	.008
14282	.86	<.005
14283	.84	<.005
14284	.82	.006
14285	.76	<.005
14286	.57	.006
14287	.51	<.005
14288	.77	.006
14289	.65	.006
14290	.76	<.005
14291	.93	.008
14292	.97	.010
14293	.91	.010
14294	.95	.012
DETECTION LIMIT	.01	.005

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

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BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

SAMPLE #	Cu %	Au oz/st
14295	.87	<.005
14296	1.02	.006
14297	1.02	.010
14298	.98	.008
14299	.15	<.005
14300	.09	.008
14301	.06	<.005
14302	.17	<.005
14303	.13	.006
14304	.12	.006
14305	.10	.008
14306	.08	<.005
14307	.03	<.005
14308	.02	<.005
14309	.04	<.005
14310	.03	.006
14311	.03	<.005
14312	.02	<.005
14313	.04	.006
14314	.03	<.005
DETECTION LIMIT	.01	.005

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

VGC VANGEOCHEM LAB LIMITED

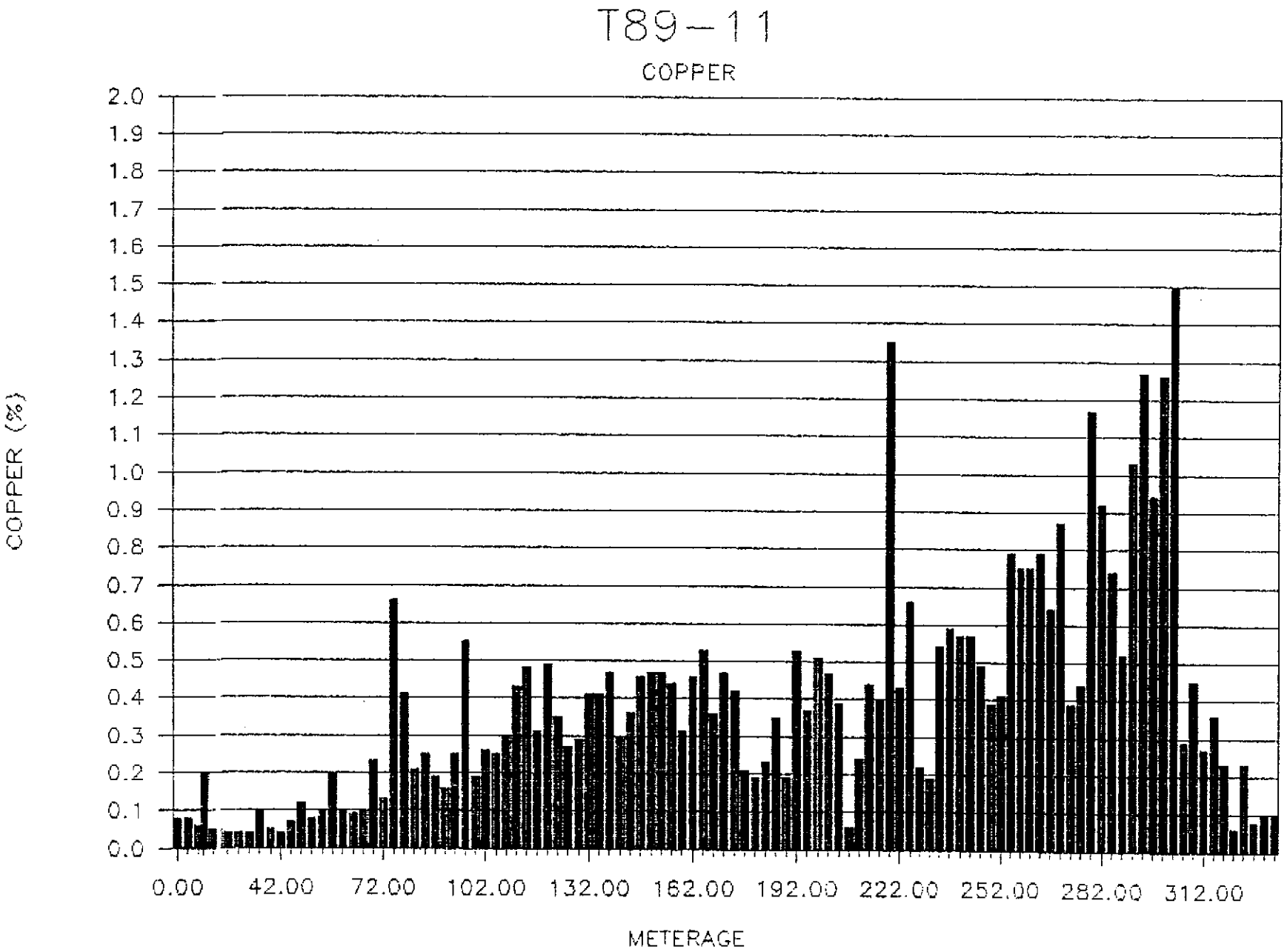
MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
● (604) 251-5656
● FAX (604) 254-5717

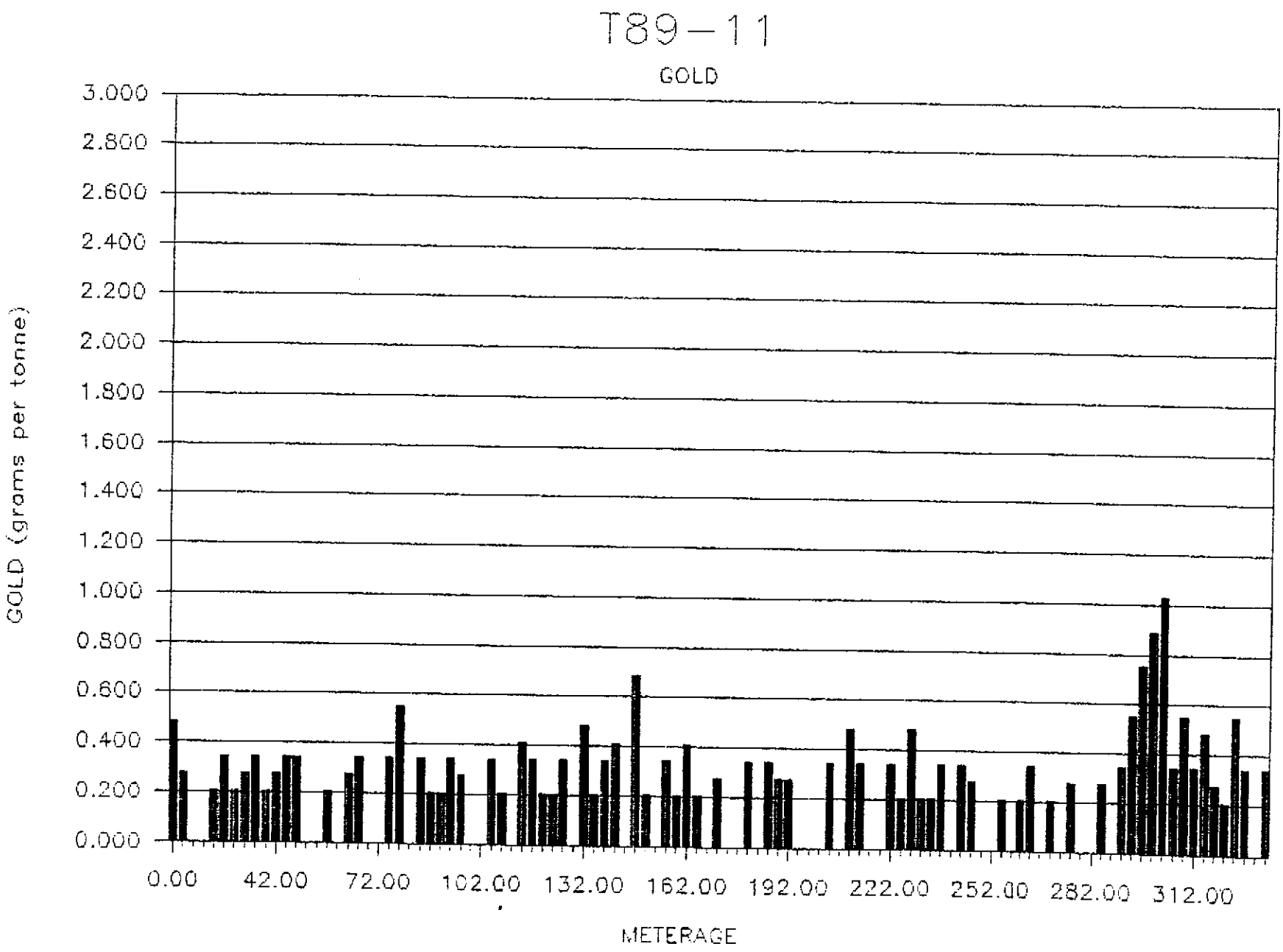
BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

SAMPLE #	Cu %	Au oz/st
14315	.04	<.005
14316	.02	<.005
14317	.03	<.005
14318	.04	<.005
14319	.07	.008
14320	.04	.006
14321	.10	<.005
14322	.08	<.005
14323	.03	.005
14324	.05	<.005
14325	.08	<.005
14326	.06	<.005
14327	.06	.006
14328	.32	.010
14329	.14	<.005
14330	.13	.006
14331	.48	.010
14332	.67	.016
DETECTION LIMIT	.01	.005

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001 % ppm = parts per million < = less than

signed: _____


T89-11
COPPER
COPPER (%)
2.0
1.9
1.8
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
0.00
42.00
72.00
102.00
132.00
162.00
192.00
222.00
252.00
282.00
312.00
METERAGE


T89-11
GOLD
GOLD (grams per tonne)
3.000
2.800
2.600
2.400
2.200
2.000
1.800
1.600
1.400
1.200
1.000
0.800
0.600
0.400
0.200
0.000
0.00
42.00
72.00
102.00
132.00
162.00
192.00
222.00
252.00
282.00
312.00
METERAGE

D.D. HOLE No. T-89-11

Location	TEDRAY	Collar Northing	10865.55 m
Date Started	August 20, 1989	Easting	9473.51 m
Date Completed	August 24, 1989	Elevation	1157.55 m
Core Recovery	95.27 %	Azimuth	000 Dip -90 deg.
Drilled By	J.T.Thomas Drilling	Length	327.66 m
Logged By	S.G. Casselman	Hor. Proj.	47.28 m
Objective	Test for N extension of Rubble zone setup 85 m W of T89-8	Vert. Proj.	321.79 m
		Core Size	BQ

METRES From	METRES To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au oz/st	Ag ppm	Cu ppm	Cu %
0	10.0	CASING IN OVERBURDEN									
10.0	314.4	DACITIC LAPILLI TUFF	14333	10.00	17.37	7.37	18	0.014			0.08
		- from 10.0 to 11.0 m core is very broken and cemented with orange limonite clay	14334	17.37	21.00	3.63	50	0.008			0.08
			14335	21.00	24.00	3.00	52	<.005			0.06
		- intensely weathered, possibly still overburden	14336	24.00	27.00	3.00	73	<.005			0.20
			14337	27.00	30.00	3.00	55	0.006			0.05
		- from 11.0 to 23.5 m, core is quite broken; average piece 5-10 cm long, grey sericitized tuff	14338	30.00	33.00	3.00	71	0.010			0.04
			14339	33.00	36.00	3.00	99	0.006			0.04
			14340	36.00	39.00	3.00	93	0.008			0.04
		- this material is possibly from the footwall of the Rubble zone; at 21.0 m have 30 cm of sericitic gouge (fault)	14341	39.00	42.00	3.00	94	0.010			0.10
			14342	42.00	45.00	3.00	90	0.006			0.05
			14343	45.00	48.00	3.00	95	0.008			0.04
		- from 23.50 down, the core becomes more competent; average piece 20-30 cm long	14344	48.00	51.00	3.00	92	0.010			0.07
			14345	51.00	54.00	3.00	88	0.010			0.12
		- core is fractured at 45-50 degrees to C.A.	14346	54.00	57.00	3.00	95	<.005			0.08
			14347	57.00	60.00	3.00	101	<.005			0.10
		- overall colour of core is light grey with light green wisps and patches	14348	60.00	63.00	3.00	95	0.006			0.20
			14349	63.00	66.00	3.00	97	<.005			0.10
		- relic lapilli tuff texture is evident in a few places: 30.5 to 37.5 m	14350	66.00	69.00	3.00	93	0.008			0.09
			14351	69.00	72.00	3.00	88	0.010			0.10
		- 45 m down, lapilli fragments up to 5 cm long	14352	72.00	75.00	3.00	92	<.005			0.23
			14353	75.00	78.00	3.00	95	<.005			0.13
		- tuff is intensely sericitized (50-60%) with patches of silicification (3-5%); virtually no chlorite	14354	78.00	81.00	3.00	99	0.010			0.66
			14355	81.00	84.00	3.00	94	0.016			0.41
			14345	84.00	87.00	3.00	98	<.005			0.21
		- 3-8% of a light green wispy micaceous mineral scattered throughout core, believed to be ankerite	14357	87.00	90.00	3.00	97	0.010			0.25
			14358	90.00	93.00	3.00	96	0.006			0.19
			14359	93.00	96.00	3.00	98	0.006			0.16
		- 1-5% quartz veins, generally as irregular wisps and blebs crosscutting foliation/bedding	14360	96.00	99.00	3.00	96	0.010			0.25
			14361	99.00	102.00	3.00	98	0.008			0.55
			14362	102.00	105.00	3.00	96	<.005			0.19
		- foliation/bedding defined by sericite	14363	105.00	108.00	3.00	93	<.005			0.26

METRES From	To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au oz/st	Ag ppm	Cu ppm	Cu %
		and pyrite bands is at 40 deg. to C.A.	14364	108.00	111.00	3.00	95	0.010			0.25
		- traces of chalcocite and rare chalco-	14365	111.00	114.00	3.00	92	0.006			0.30
		pyrite throughout interval	14366	114.00	117.00	3.00	75	<.005			0.43
		- chalcocite occurs as a blue-grey coat-	14367	117.00	120.00	3.00	90	0.012			0.48
		ing on fracture planes and on pyrite	14368	120.00	123.00	3.00	98	0.010			0.31
		grains	14369	123.00	126.00	3.00	97	0.006			0.49
		- from 60 m, begin to get chalc.occurring	14370	126.00	129.00	3.00	97	0.006			0.35
		in pyrite veins, as well as an increase	14371	129.00	132.00	3.00	98	0.010			0.27
		in chalcocite content (0.2-1%) and an	14372	132.00	135.00	3.00	96	<.005			0.29
		increase in pyrite content (to 20%)	14373	135.00	138.00	3.00	97	0.014			0.41
		- chalcopyrite occurs as "splashes" in	14374	138.00	141.00	3.00	98	0.006			0.41
		quartz veins/disseminations in massive	14375	141.00	144.00	3.00	97	0.010			0.47
		pyrite chalcopyrite veins (at 79.5-83.0)	14376	144.00	147.00	3.00	99	0.012			0.30
		and in very fine grained to aphanitic	14377	147.00	150.00	3.00	97	<.005			0.36
		pyrite-chalcopyrite stringers in quartz-	14378	150.00	153.00	3.00	98	0.020			0.46
		calcite veins	14379	153.00	156.00	3.00	98	0.006			0.47
		- from 78 to 99 m, core is very light	14380	156.00	159.00	3.00	97	<.005			0.47
		green due to abundance of lime-green	14381	159.00	162.00	3.00	96	0.010			0.44
		micaceous mineral (ankerite) and patches	14382	162.00	165.00	3.00	101	0.006			0.31
		of lime-green alteration believed to be	14383	165.00	168.00	3.00	96	0.012			0.46
		epidote	14384	168.00	171.00	3.00	100	0.006			0.53
		- from 99.0 to 123, silicification	14385	171.00	174.00	3.00	98	<.005			0.36
		increases to 10-25% along with an	14386	174.00	177.00	3.00	98	0.008			0.47
		increase in chalcopyrite and chalcocite	14387	177.00	180.00	3.00	98	<.005			0.42
		(or tennantite) content	14388	180.00	183.00	3.00	96	<.005			0.21
		- from 123 to 176.6 m silicification and	14389	183.00	186.00	3.00	100	0.010			0.19
		copper sulphide mineralization decrease	14390	186.00	189.00	3.00	98	<.005			0.23
		(0.5% combined chalcopyrite and chalco-	14391	189.00	192.00	3.00	96	0.010			0.35
		cite?)	14392	192.00	195.00	3.00	98	0.008			0.19
		- alteration style changes slightly as	14393	195.00	198.00	3.00	97	0.008			0.53
		well; begin to get anhydrite at 129 m and	14394	198.00	201.00	3.00	96	<.005			0.37
		core appears much less altered	14395	201.00	204.00	3.00	99	<.005			0.51
		- in silicified zones there is an abund-	14396	204.00	207.00	3.00	98	<.005			0.47
		ance of a dark blue or grey mineral,	14397	207.00	210.00	3.00	95	0.010			0.39
		generally filling microfractures. The	14398	210.00	213.00	3.00	98	<.005			0.06
		mineral is believed to be either chalco-	14399	213.00	216.00	3.00	95	0.014			0.24
		cite or tennantite	14400	216.00	219.00	3.00	98	0.010			0.44
		- at 176.6 to 178.9 m, have a 30 cm	14401	219.00	222.00	3.00	90	<.005			0.40
		bleached light grey andesite dyke with	14402	222.00	225.00	3.00	100	<.005			1.35
		contacts at 40 deg. to C.A.	14403	225.00	228.00	3.00	97	0.010			0.43
		- from 186 to 192 m, get 5% very fine	14404	228.00	231.00	3.00	95	0.006			0.66
		grained pyrite-chalcopyrite stringers and	14405	231.00	234.00	3.00	83	0.014			0.22
		veinlets cutting through core	14406	234.00	237.00	3.00	101	0.006			0.19
		- from 195 to ... m silicification	14407	237.00	240.00	3.00	100	0.006			0.54
		increases to 10-35% locally, as well as a	14408	240.00	243.00	3.00	100	0.010			0.59
		gradational increase in chalcopyrite	14409	243.00	246.00	3.00	100	<.005			0.57
		content up to 3% and locally up to 5%	14410	246.00	249.00	3.00	93	0.010			0.57
		- core becomes blue-grey coloured, due to	14411	249.00	252.00	3.00	97	0.008			0.49

METRES From	To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au oz/st	Ag ppm	Cu ppm	Cu %
		the silica and contained fine grained sulphides - silicification is stockwork type with 15-25% medium grained pyrite stringers and 1-5% chalcopyrite "splashes" - silicified zones contain variable amounts of blue-grey mineral filling which is most likely tennantite, as opposed to chalcocite - silicified stockwork zone also contains occasional bands of gypsum and pyrite up to 5 cm wide, where the gypsum is grey/ translucent, with 25-40% euhedral pyrite generally aligned, indicating it flowed in solution - silicification decreases from 312 to bottom of hole - copper-sulphide mineralization also decreases from 314.4 m - same dykes cut through unit at: 314.4 - 315.3 319.4 - 319.9 321.8 - 322.4 - S.G. at 20.00 m - 2.81 g/cc 30.00 m - 2.84 g/cc 40.00 m - 3.02 g/cc 50.00 m - 2.88 g/cc 60.00 m - 2.96 g/cc 70.00 m - 2.98 g/cc 80.00 m - 2.99 g/cc 90.00 m - 2.91 g/cc 100.00 m - 3.00 g/cc 110.00 m - 2.86 g/cc 120.00 m - 2.85 g/cc 130.00 m - 2.99 g/cc 140.00 m - 3.00 g/cc 150.00 m - 2.74 g/cc 160.00 m - 2.80 g/cc 170.00 m - 2.92 g/cc 180.00 m - 2.92 g/cc 190.00 m - 2.88 g/cc 200.00 m - 2.89 g/cc 210.00 m - 2.87 g/cc 220.00 m - 2.95 g/cc 230.00 m - 2.90 g/cc 240.00 m - 2.96 g/cc 250.00 m - 2.85 g/cc 260.00 m - 2.95 g/cc	14412	252.00	255.00	3.00	92	<.005			0.39
			14413	255.00	258.00	3.00	95	<.005			0.41
			14414	258.00	261.00	3.00	95	0.006			0.79
			14415	261.00	264.00	3.00	98	<.005			0.75
			14416	264.00	267.00	3.00	98	0.006			0.75
			14417	267.00	270.00	3.00	92	0.010			0.79
			14418	270.00	273.00	3.00	99	<.005			0.64
			14419	273.00	276.00	3.00	98	0.006			0.87
			14420	276.00	279.00	3.00	99	<.005			0.39
			14421	279.00	282.00	3.00	97	0.008			0.44
			14422	282.00	285.00	3.00	91	<.005			1.17
			14423	285.00	288.00	3.00	106	<.005			0.92
			14423	288.00	291.00	3.00	99	0.008			0.74
			14425	291.00	294.00	3.00	103	<.005			0.52
			14426	294.00	297.00	3.00	95	0.010			1.03
			14427	297.00	300.00	3.00	100	0.016			1.27
			14428	300.00	303.00	3.00	90	0.022			0.94
			14429	303.00	306.00	3.00	91	0.026			1.26
			14430	306.00	309.00	3.00	96	0.030			1.50
			14431	309.00	312.00	3.00	97	0.010			0.29
			14432	312.00	314.00	2.40	97	0.016			0.45

METRES From	METRES To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au oz/st	Ag ppm	Cu ppm	Cu %
		- S.G. at 270.00 m - 3.01 g/cc 280.00 m - 2.83 g/cc 290.00 m - 2.92 g/cc 300.00 m - 2.93 g/cc 310.00 m - 2.98 g/cc - average S.G. = 2.91 g/cc									
314.40	315.30	ANDESITE DYKE	14433	314.40	315.30	0.90	89	0.010			0.27
319.40	319.90	- fine grained light grey-green matrix	14434	315.30	317.40	2.10	98	0.014			0.36
and		with 15 to 20 % 1 mm green (chloritized)	14435	317.40	319.40	2.00	91	0.008			0.23
321.80	322.40	hornblende phenocrysts									
		- <1% pyrite - no visible copper mineralization	14436	319.40	319.90	0.50	96	0.006			0.06
			14437	319.90	321.80	1.90	96	0.016			0.23
		- S.G. at 320.00 m - 2.88 g/cc	14438	321.80	322.40	0.60	63	0.010			0.08
		327.66 m - 2.86 g/cc	14439	322.40	324.80	2.40	88	<.005			0.10
			14440	324.80	327.66	2.86	91	0.010			0.10
		DIP TEST (corrected) at 268.53 m - 76 degrees at 327.66 m - 75 degrees									
		HOLE SHUT DOWN : NEARING DEPTH LIMIT OF DRILL									

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Ref	North	East	RL	Azim	Dip	Length	Category	Remarks	
8911	10865.55	9473.51	1157.55	0	90	327.66	Tedray	West of T89-8, east of T89-9,9A,18	#HOLE

FROM	Dist	WDTH	RQ	ROCKNAME	UNT	TXT	SI	OV	GE	CY	CH	EP	CB	GM	A1	A2	IN	FY	CF	SF	CC	NC	M1	M2
F																								
	10			CASING\OVBDN																				
10.00	17.37	7.37	5	DCIT LPLL TUFF		F.CG	1	5	35	45							100	5		.1				
17.37	21	3.63	16	DCIT LPLL TUFF		F.CG	2	3	65	3				1			80	8		.1				
21.00	24	3.00	9	DCIT LPLL TUFF		F.CG	1		75	10							90	3		.1				
24.00	27	3.00	27	DCIT LPLL TUFF		F.CG	5	3	60	2							75	12	.1	.2				
27.00	30	3.00	12	DCIT LPLL TUFF		F.CG	3	3	65	1							75	7	.1	.3				
30.00	33	3.00	24	DCIT LPLL TUFF		F.CG	5	5	60					10			85	12	.2	.2				
33.00	36	3.00	54	DCIT LPLL TUFF		F.CG	5	1	60					7			75	10		.1				
36.00	39	3.00	34	DCIT LPLL TUFF		F.CG	1	2	65	2				5			75	10	.1	.2				
39.00	42	3.00	50	DCIT LPLL TUFF		F.CG	1	1	70	1							75	8		.3				
42.00	45	3.00	33	DCIT LPLL TUFF		F.CG		3	70	2							75	8		.2				
45.00	48	3.00	38	DCIT LPLL TUFF		F.CG		1	70	2							75	9		.4				
48.00	51	3.00	39	DCIT LPLL TUFF		F.CG	1	1	70	1				2			75	12		.5				
51.00	54	3.00	28	DCIT LPLL TUFF		F.CG	3	3	70	2				3			85	15		.3				
54.00	57	3.00	47	DCIT LPLL TUFF		F.CG	2	1	65	2				3			75	8		.1				
57.00	60	3.00	41	DCIT LPLL TUFF		F.CG	3	2	65		2			5			80	10		.3				
60.00	63	3.00	40	DCIT LPLL TUFF		F.CG	5	3	60	2	2	1		10			85	12	.3	.7				
63.00	66	3.00	44	DCIT LPLL TUFF		F.CG	3	2	65		2	1		10			85	12	.2	.5				
66.00	69	3.00	36	DCIT LPLL TUFF		F.CG	10	2	65		1			2			85	15	.3	1				
69.00	72	3.00	28	DCIT LPLL TUFF		F.CG	2	5	60	2	2	1		5			85	15	.2	.5				
72.00	75	3.00	38	DCIT LPLL TUFF		F.CG	15	5	60	5	2	1	1	5			95	15	1.5	.2				
75.00	78	3.00	36	DCIT LPLL TUFF		F.CG	3	5	65	2	2		1	3			85	12	.2	.4				
78.00	81	3.00	58	DCIT LPLL TUFF		F.CG	10	5	50	2		3	3	5			90	20	3	.4				
81.00	84	3.00	55	DCIT LPLL TUFF		F.CG	8	5	55	1	1	2	2	1			85	20	2	.4				
84.00	87	3.00	56	DCIT LPLL TUFF		F.CG	5	5	60		1	3		5			85	15	.5	.5				
87.00	90	3.00	55	DCIT LPLL TUFF		F.CG	7	3	60			3	1	10			85	12	.3	.4				
90.00	93	3.00	41	DCIT LPLL TUFF		F.CG	12	5	55	1		3	1	15			90	15	.3	.6				
93.00	96	3.00	47	DCIT LPLL TUFF		F.CG	2	1	40		5	10		15			90	18	.2	.6				
96.00	99	3.00	55	DCIT LPLL TUFF		F.CG	5	2	35			15	1	25			90	18	.4	.8				
99.00	102	3.00	53	DCIT LPLL TUFF		F.CG	25		40		7	2		3			85	18	.8	1				
102.00	105	3.00	47	DCIT LPLL TUFF		F.CG	15		45		5			7			85	20	.4	.6				
105.00	108	3.00	27	DCIT LPLL TUFF		F.CG	10	3	50		7	2		10			85	15	.3	1.5				
108.00	111	3.00	44	DCIT LPLL TUFF		F.CG	8	2	45		10	2		10			80	12	.4	.8				
111.00	114	3.00	26	DCIT LPLL TUFF		F.CG	20		50		5			10			90	14	.5	.8				
114.00	117	3.00	54	DCIT LPLL TUFF		F.CG	10	5	55		3			10			90	12		1				
117.00	120	3.00	33	DCIT LPLL TUFF		F.CG	15	3	50		5	2	1	10			90	12	.3	1				
120.00	123	3.00	48	DCIT LPLL TUFF		F.CG	10		55		5	2		8			90	10	.2	.8				
123.00	126	3.00	49	DCIT LPLL TUFF		F.CG	8	2	55		3	1		5			80	12		.6				
126.00	129	3.00	44	DCIT LPLL TUFF		F.CG	5		55		2	1		5	1		75	12	1	.5				
129.00	132	3.00	45	DCIT LPLL TUFF		F.CG	2	2	50		8	1		10	2		75	10	.1	.5				
132.00	135	3.00	55	DCIT LPLL TUFF		F.CG	10	2	45		5	1	1	8	2		85	12		.4				
135.00	138	3.00	58	DCIT LPLL TUFF		F.CG	8	2	45		5	2		10	3		80	12	.3	.4				
138.00	141	3.00	63	DCIT LPLL TUFF		F.CG	1	2	50		3			3	5		70	10	.2	.4				
141.00	144	3.00	49	DCIT LPLL TUFF		F.CG		1	55		2			1	10		70	8	.2	.4				
144.00	147	3.00	46	DCIT LPLL TUFF		F.CG		1	55		2	1		1	8		70	8		.2				
147.00	150	3.00	49	DCIT LPLL TUFF		F.CG		1	55		5	2		5	8		75	8		.3				
150.00	153	3.00	51	DCIT LPLL TUFF		F.CG		1	50	2	10			2	10		70	8		.2				
153.00	156	3.00	57	DCIT LPLL TUFF		F.CG	10	2	45	5	20			1	15		80	12	1	.3				
156.00	159	3.00	66	DCIT LPLL TUFF		F.CG	3	2	30	2	8				8		70	6	.1	.4				
159.00	162	3.00	52	DCIT LPLL TUFF		F.CG	5		40	2	8				1		60	7		.3				
162.00	165	3.00	57	DCIT LPLL TUFF		F.CG		5	45	1	5	2		5	2		70	8		.3				
165.00	168	3.00	56	DCIT LPLL TUFF		F.CG	3	5	40		5	2		10	2		70	8		.2				

E
1988 KERR EXPLORATION PROGRAM
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Ref	North	East	EL	Azim	Dip	Length	Category	Remarks	#HOLE
6911	10865.55	9473.51	1157.55	0	90	327.66	Tedray	West of T89-8, east of T89-9,9A,10	

FROM	Dist	WDTH	NO	ROCKNAME	UNT	TXT	SI	WV	SE	CY	CH	EP	CB	GM	A1	A2	IN	PY	CP	SP	CC	NC	M1	M2
F																								
168.00	171	3.00	46	DCIT LPLL TUFF		F.CG	15	2	30		5	1		5	1		65	17	.5	.2				
171.00	174	3.00	46	DCIT LPLL TUFF		F.CG	8	3	40		5	3		15	5		85	15	.2	.2				
174.00	177	3.00	49	DCIT LPLL TUFF		F.CG	3	2	45		8			3	10		75	15	.5	.3				
177.00	180	3.00	51	DCIT LPLL TUFF		F.CG	5	1	45		5			2	8		75	15	.5	.3				
180.00	183	3.00	54	DCIT LPLL TUFF		F.CG		5	55		5			1	5		75	10	.1	.3				
183.00	186	3.00	53	DCIT LPLL TUFF		F.CG		3	60		3			1	2		75	10	.2	.2				
186.00	189	3.00	47	DCIT LPLL TUFF		F.CG	3	2	65		8				1		80	12	1	.3				
189.00	192	3.00	35	DCIT LPLL TUFF		F.CG	8	2	65		10				1		85	12	1	.4				
192.00	195	3.00	43	DCIT LPLL TUFF		F.CG	1	5	60		10						80	10	.1	.3				
195.00	198	3.00	56	DCIT LPLL TUFF		F.CG	15	2	50		10						90	15	.4	.5				
198.00	201	3.00	55	DCIT LPLL TUFF		F.CG	10	2	50		8						85	12	.2	.6				
201.00	204	3.00	47	DCIT LPLL TUFF		F.CG	15	2	45		10			5			80	10	.5	.6				
204.00	207	3.00	50	DCIT LPLL TUFF		F.CG	20		50		8			3			85	15	.1	.3				
207.00	210	3.00	43	DCIT LPLL TUFF		F.CG	10	15	40		5			2	1		85	10	.2	.5				
210.00	213	3.00	44	DCIT LPLL TUFF		F.CG	8		65		3						85	10	.3	.5				
213.00	216	3.00	38	DCIT LPLL TUFF		F.CG	15	5	60		5			1			90	10	2	.5				
216.00	219	3.00	45	DCIT LPLL TUFF		F.CG	18		60		8						90	10	1.5	.5				
219.00	222	3.00	31	DCIT LPLL TUFF		F.CG	35		45		3						95	12	3	.8				
222.00	225	3.00	50	DCIT LPLL TUFF		F.CG	40		40		3						95	15	3	1				
225.00	228	3.00	37	DCIT LPLL TUFF		F.CG	20	5	55		2						95	10	1.5	.8				
228.00	231	3.00	35	DCIT LPLL TUFF		F.CG	25		50		5						95	12	2	1				
231.00	234	3.00	23	DCIT LPLL TUFF		F.CG	15		60		5						90	10	.6	.3				
234.00	237	3.00	46	DCIT LPLL TUFF		F.CG	20		40		15						80	12	.4	.4				
237.00	240	3.00	52	DCIT LPLL TUFF		F.CG	25	3	35		15						90	10	.8	.6				
240.00	243	3.00	42	DCIT LPLL TUFF		F.CG	20	3	45		10		1				90	8	2	1				
243.00	246	3.00	60	DCIT LPLL TUFF		F.CG	25	2	50		10						90	10	1	1				
246.00	249	3.00	43	DCIT LPLL TUFF		F.CG	15		60		5						90	12	1.5	1				
249.00	252	3.00	59	DCIT LPLL TUFF		F.CG	15		55		10						90	14	2	.8				
252.00	255	3.00	41	DCIT LPLL TUFF		F.CG	20		55		5						95	15	1.5	.8				
255.00	258	3.00	35	DCIT LPLL TUFF		F.CG	10		65		3				2		95	15	1.5	.5				
258.00	261	3.00	39	DCIT LPLL TUFF		F.CG	15		60		2						100	15	2	2				
261.00	264	3.00	54	DCIT LPLL TUFF		F.CG	30		50		3						100	14	1.5	2				
264.00	267	3.00	33	DCIT LPLL TUFF		F.CG	30		50						1		100	15	3	3				
267.00	270	3.00	38	DCIT LPLL TUFF		F.CG	35		45		2						100	15	3	3				
270.00	273	3.00	38	DCIT LPLL TUFF		F.CG	30		45		3						100	18	1.5	2				
273.00	276	3.00	34	DCIT LPLL TUFF		F.CG	30		40		5				5		100	20	5	2				
276.00	279	3.00	56	DCIT LPLL TUFF		F.CG	30		45						2		100	18	2	2				
279.00	282	3.00	45	DCIT LPLL TUFF		F.CG	35		20						15		100	20	2	2				
282.00	285	3.00	58	DCIT LPLL TUFF		F.CG	35		35		3				8		100	12	3	3				
285.00	288	3.00	55	DCIT LPLL TUFF		F.CG	45		25						8		100	12	4	2				
288.00	291	3.00	36	DCIT LPLL TUFF		F.CG	40		30		3				5		100	15	3	2				
291.00	294	3.00	50	DCIT LPLL TUFF		F.CG	40		30		3				5		100	12	3	3				
294.00	297	3.00	57	DCIT LPLL TUFF		F.CG	40		30						10		100	10	5	3				
297.00	300	3.00	65	DCIT LPLL TUFF		F.CG	35		40						5		100	10	5	2				
300.00	303	3.00	59	DCIT LPLL TUFF		F.CG	30		50						1		100	10	5	1.5				
303.00	306	3.00	58	DCIT LPLL TUFF		F.CG	40		40						2		100	12	4	1				
306.00	309	3.00	54	DCIT LPLL TUFF		F.CG	35	2	40						1		100	12	6	2				
309.00	312	3.00	43	DCIT LPLL TUFF		F.CG	20		60						1		100	10	3	1				
312.00	314.4	2.40	40	DCIT LPLL TUFF		F.CG	10		65		3			1			90	8	1.5	.3				
314.40	315.3	0.90	40	ANDS DYKE		F.CG		1	20		15		2				40	1						
315.30	317.4	2.10	54	DCIT TUFF		F.CG	15	3	60								90	8	.1	.1				
317.40	319.4	2.00	36	DCIT TUFF		F.CG	5	3	60		2						80	7	.5					

E
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Ref	North	East	EL	Azim	Dip	Length	Category	Remarks	
8911	10365.55	9473.51	1157.55	0	90	327.66	Tedray	West of T89-8, east of T89 9.3A.18	#HOLE

FROM	Dist	WDTH	RQ	ROCKNAME	UNT	TXT	SI	OV	SE	CY	CH	EP	CB	GM	A1	A2	IN	PY	CP	SP	CC	NC	M1	M2
F																								
319.40	319.9	0.50	46	ANDS DYKE		F.CG		2	20		15		3				40	1						
319.90	321.8	1.90	29	DCIT TUFF		F.CG	5	1	65		2			1			75	7	1	.2				
321.80	322.4	0.60	34	ANDS DYKE		F.CG		3	20		15		5				45	1						
322.40	324.8	2.40	35	DCIT TUFF		F.CG	5	2	65		3		1				80	8	.5	.2				
324.80	327.66	2.86	44	DCIT TUFF		F.CG	3	3	60		3		1				75	6	.8	.1				

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
• (604) 251-5656
• FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

SAMPLE #	Cu %	Au oz/st
14333	.08	.014
14334	.08	.008
14335	.06	<.005
14336	.20	<.005
14337	.05	.006
14338	.04	.010
14339	.04	.006
14340	.04	.008
14341	.10	.010
14342	.05	.006
14343	.04	.008
14344	.07	.010
14345	.12	.010
14346	.08	<.005
14347	.10	<.005
14348	.20	.006
14349	.10	<.005
14350	.09	.008
14351	.10	.010
14352	.23	<.005
14353	.13	<.005
14354	.66	.010
DETECTION LIMIT	.01	.005

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001I ppm = parts per million < = less than

signed: _____

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BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

SAMPLE #	Cu %	Au oz/st
14355	.41	.016
14356	.21	<.005
14357	.25	.010
14358	.19	.006
14359	.16	.006
14360	.25	.010
14361	.55	.008
14362	.19	<.005
14363	.26	<.005
14364	.25	.010
14365	.30	.006
14366	.43	<.005
14367	.48	.012
14368	.31	.010
14369	.49	.006
14370	.35	.006
14371	.27	.010
14372	.29	<.005
14373	.41	.014
14374	.41	.006
DETECTION LIMIT	.01	.005

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

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BRANCH OFFICES
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BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

SAMPLE #	Cu %	Au oz/st
14375	.47	.010
14376	.30	.012
14377	.36	<.005
14378	.46	.020
14379	.47	.006
14380	.47	<.005
14381	.44	.010
14382	.31	.006
14383	.46	.012
14384	.53	.006
14385	.36	<.005
14386	.47	.008
14387	.42	<.005
14388	.21	<.005
14389	.19	.010
14390	.23	<.005
14391	.35	.010
14392	.19	.008
14393	.53	.008
14394	.37	<.005
DETECTION LIMIT	.01	.005

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

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MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

SAMPLE #	Cu %	Au oz/st
14395	.51	<.005
14396	.47	<.005
14397	.39	.010
14398	.06	<.005
14399	.24	.014
14400	.44	.010
14401	.40	<.005
14402	1.35	<.005
14403	.43	.010
14404	.66	.006
14405	.22	.014
14406	.19	.006
14407	.54	.006
14408	.59	.010
14409	.57	<.005
14410	.57	.010
14411	.49	.008
14412	.39	<.005
14413	.41	<.005
14414	.79	.006
DETECTION LIMIT	.01	.005

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001I ppm = parts per million < = less than

signed: _____

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BRANCH OFFICES
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MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

SAMPLE #	Cu %	Au oz/st
14415	.75	<.005
14416	.75	.006
14417	.79	.010
14418	.64	<.005
14419	.87	.006
14420	.39	<.005
14421	.44	.008
14422	1.17	<.005
14423	.92	<.005
14424	.74	.008
14425	.52	<.005
14426	1.03	.010
14427	1.27	.016

DETECTION LIMIT	.01	.005

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

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BRANCH OFFICES
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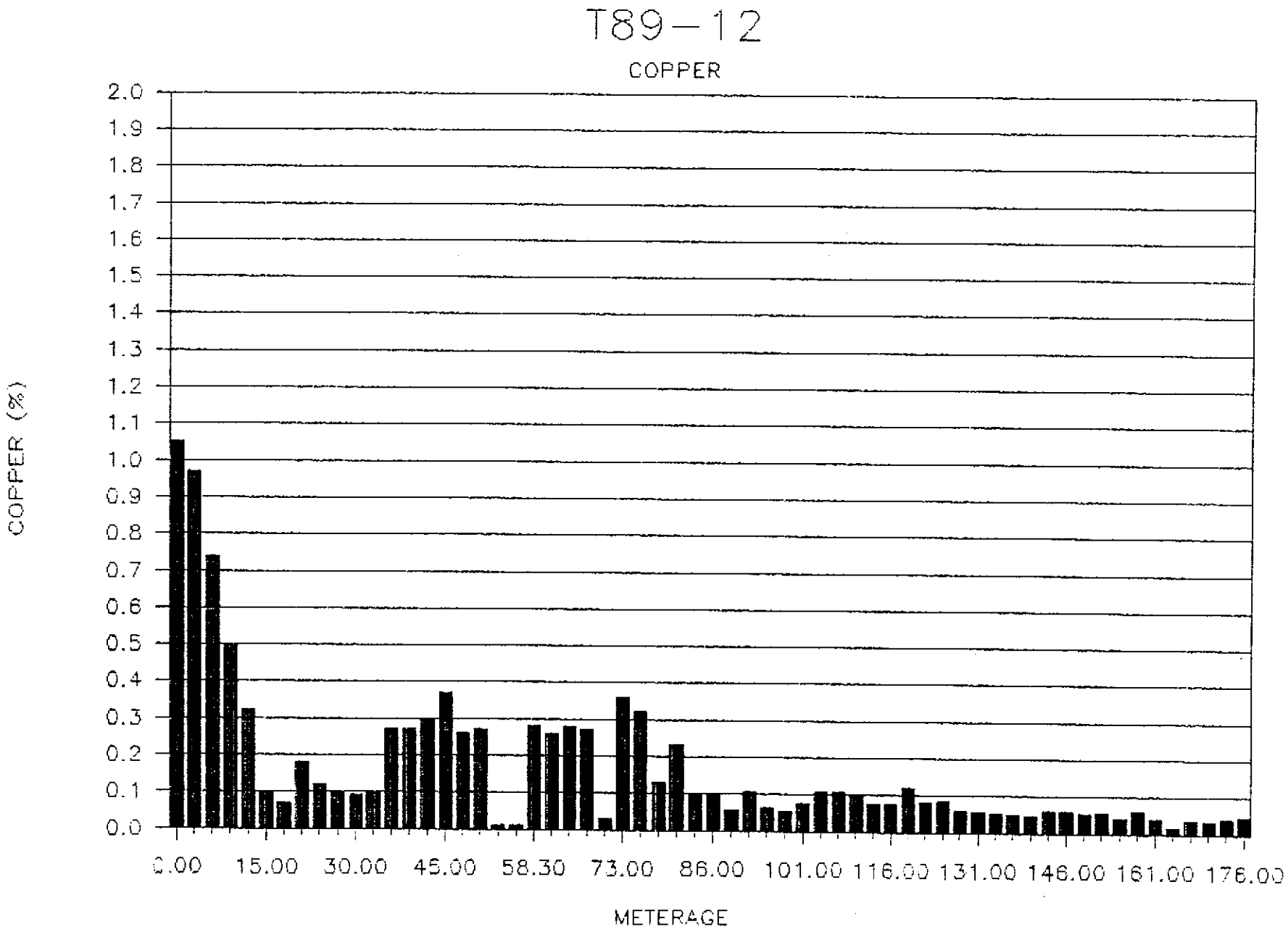
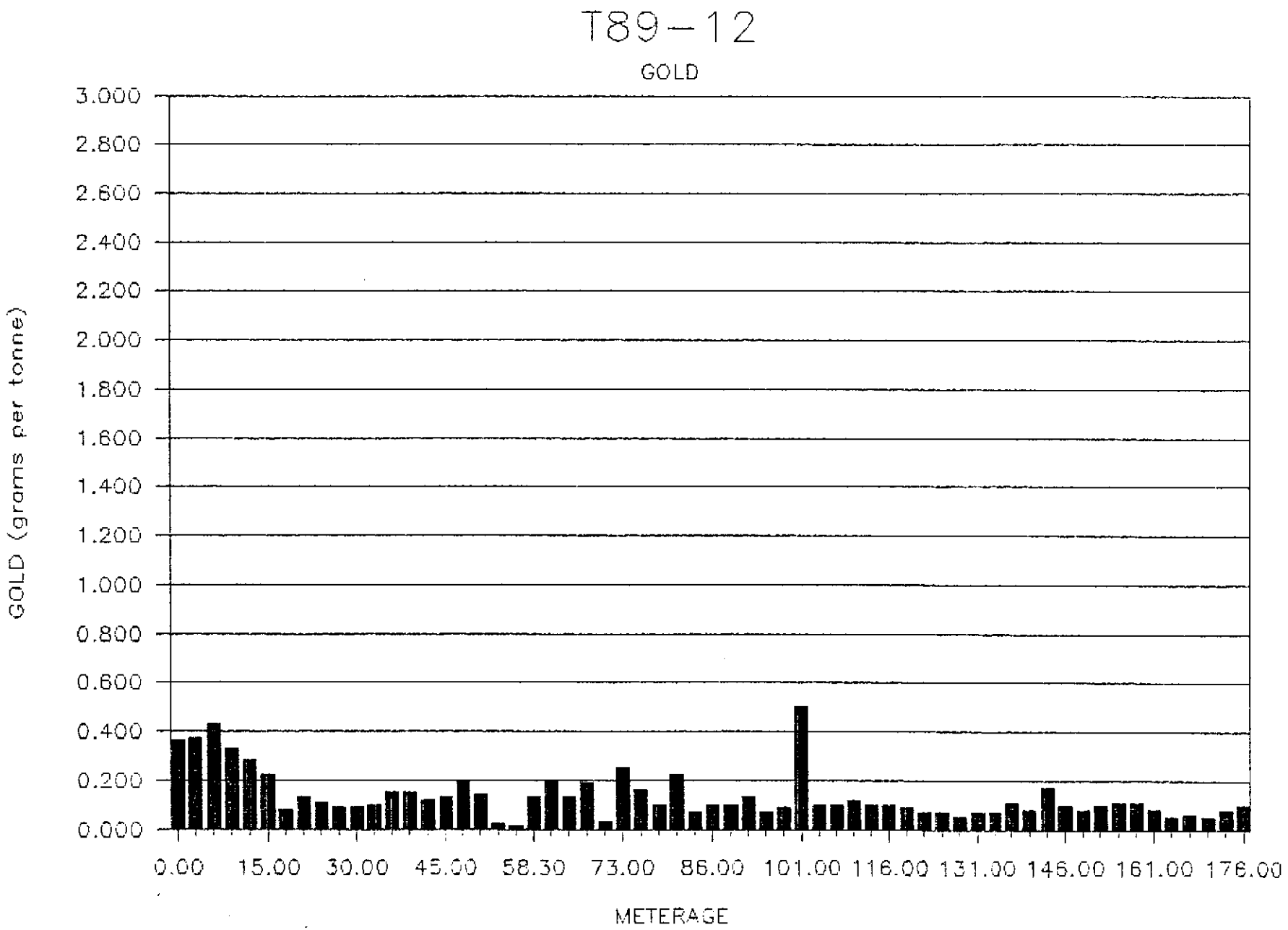
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

SAMPLE #	Cu %	Au oz/st
14428	.94	.022
14429	1.26	.026
14430	1.50	.030
14431	.29	.010
14432	.45	.016
14433	.27	.010
14434	.36	.014
14435	.23	.008
14436	.06	.006
14437	.23	.016
14438	.08	.010
14439	.10	<.005
14440	.10	.010


T89-12
COPPER
COPPER (%)
2.0
1.9
1.8
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
0.00
15.00
30.00
45.00
58.30
73.00
86.00
101.00
116.00
131.00
146.00
161.00
176.00
METERAGE


T89-12
GOLD
GOLD (grams per tonne)
3.000
2.800
2.600
2.400
2.200
2.000
1.800
1.600
1.400
1.200
1.000
0.800
0.600
0.400
0.200
0.000
0.00
15.00
30.00
45.00
58.30
73.00
86.00
101.00
116.00
131.00
146.00
161.00
176.00
METERAGE

D.D. HOLE No. T-89-12

Location	TEDRAY	Collar Northing	10976.18 m
Date Started	August 26, 1989	Easting	9657.92 m
Date Completed	August 27, 1989	Elevation	1139.55 m
Core Recovery	78.21 %	Azimuth	090 Dip -60 deg.
Drilled By	J.T.Thomas Drilling	Length	181.97 m
Logged By	S. G. Casselman	Hor. Proj.	104.47 m
Objective	Test IP anomaly on eastern portion of Tedray grid	Vert. Proj.	152.00 m
		Core Size	BQ

METRES From	METRES To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au ppb	Ag ppm	Cu ppm	Cu %
0	3.05	OVERBURDEN									
3.05	6.40	CRACKLE QUARTZ/PATCHY SERICITE (LAPILLI TUFF?) - patchy sericite in interval dominated by crackle quartz - numerous quartz veins/veinlets yielding typical fractured/healed texture; fractures predominently healed with fine grained black sulphide (chalcocite) and coarse bleby chalcopyrite (up to 3 mm); frequent alteration haloes around chalcopyrite (probably chalcocite and covelite) - chalcopyrite rarely forms veinlets; occasionally seen occurring along pyrite grain boundaries - pyrite normally occurs as veins/ veinlets up to 1 cm wide with quartz - good competency: 1 fracture/15 cm - S.G. at 3.05 m - 2.84 g/cc	14442	3.05	6.00	2.95	100	360	3.1	10920	1.05
6.40	9.00	LAPILLI TUFF - as above, with fewer quartz veins/ silicification - foliation at 75 degrees to C/A - distinct lapilli fragments infrequently observed - foliation intensity increases, silicification decreases down the hole - foliation well developed and averages 55 degrees at base of interval	14443	6.00	9.00	3.00	28	370	1.5	10014	0.97

METRES From	METRES To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au ppb	Ag ppm	Cu ppm	Cu %
9.00	27.0	QUARTZ-SERICITE-PYRITE SCHIST/LAPILLI TUFF - foliation at 55 degrees to C/A - pyrite occurs as 1 mm bands paralleling foliation - quartz pyrite with rare chalcopyrite bands parallel foliation - 8.23-8.25: quartz vein with disseminated chalcopyrite/chalcocite up to 0.3% - fragments of quartz are well rounded with the rare bleby chalcopyrite included within and on fractures - occasional crackle quartz vein with chalcopyrite/chalcocite - rare streaks of chalcopyrite within schists - interval is intensely foliated, sheared equivalent of lower lying dacite lapilli tuff - S.G. at 10.00 m - 2.87 g/cc 20.00 m - 2.85 g/cc - average S.G. = 2.86 g/cc	14444	9.00	12.00	3.00	58	430	1.0	7575	0.74
			14445	12.00	15.00	3.00	76	330	0.6	4927	0.50
			14446	15.00	18.00	3.00	32	280	0.4	3206	0.32
			14447	18.00	21.00	3.00	68	220	0.2	1013	0.10
			14448	21.00	24.00	3.00	97	80	0.1	710	0.07
			14449	24.00	27.00	3.00	77	130	0.6	1865	0.18
27.00	55.30	DACITE LAPILLI TUFF - overall medium grey-green colour - 40-60% lapilli clasts up to 3 cm long - lapilli are altered to quartz, sericite, ankerite and rarely chlorite - contains 5-18% pyrite as medium to coarse disseminations and stringers interbedded with tuff - contains up to 10% anhydrite occurring as grey, slightly translucent veins generally containing up to 10% disseminated euhedral pyrite - 2-10% ankerite as wisps of micaceous brown-green mineral paralleling bedding and along quartz veins - core is quite competent: average piece 15-30 cm long - interval is variably silicified, from 3-10% - silicified patches and bands generally contain traces of chalcopyrite and chalcocite - interval contains from 0.1-0.5% chalcopyrite and from 0.2-0.5% chalcocite; average: 0.5% copper sulphide mineralization	14450	27.00	30.00	3.00	95	110	0.2	1163	0.12
			14451	30.00	33.00	3.00	96	90	0.2	981	0.10
			14452	33.00	36.00	3.00	94	90	0.2	876	0.09
			14453	36.00	39.00	3.00	88	100	0.2	975	0.10
			14454	39.00	42.00	3.00	96	150	1.1	2980	0.27
			14455	42.00	45.00	3.00	89	150	0.7	2724	0.27
			14456	45.00	48.00	3.00	94	120	0.7	3271	0.30
			14457	48.00	51.00	3.00	100	130	1.1	3637	0.37
			14458	51.00	53.00	2.00	93	200	0.8	2589	0.26
			14459	53.00	55.30	0.30	68.00	140	1.2	2846	0.27

METRES From	To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au ppb	Ag ppm	Cu ppm	Cu %
		- S.G. at 30.00 m - 2.88 g/cc 40.00 m - 3.06 g/cc 50.00 m - 2.96 g/cc - average S.G. = 2.97 g/cc									
55.3	60.9	BASALT DYKE - medium to dark green-brown with 10% white quartz-filled and calcite-filled amygdules - slightly chloritized, especially mafic phenocrysts - homogeneous dyke, <1% finely disseminated pyrite - slightly magnetic - no visible copper mineralization - competent dyke; average piece 40 cm long - S.G. at 60.00 m - 2.76 g/cc	14460 14461	55.30 58.30	58.30 60.90	3.00 2.60	95 100	20 10	0.3 0.3	123 87	0.01 0.01
60.9	73.0	DACITE LAPILLI TUFF - as in lapilli tuff from 27.0 to 55.3 - 10% silicification - 60% sericite - 2% chlorite - up to 5% clay minerals - 3-30% green micaceous wisps (ankerite) - contains from 10-15% medium grained disseminated, stringer and bleby pyrite - traces of chalcopyrite, 0.2-0.5% dark grey chalcocite on fractures and coating other sulphides - S.G. at 70.00 m - 2.95 g/cc	14462 14463 14464 14465	60.90 64.00 67.00 70.00	64.00 67.00 70.00 73.00	3.10 3.00 3.00 3.00	87 82 97 78	130 200 130 190	1.7 0.7 1.0 0.7	2721 2620 2657 2589	0.28 0.26 0.28 0.27
73.0	73.7	FELSIC TO INTERMEDIATE DYKE - light grey to slightly beige - 8% sericitized plagioclase phenocrysts - <0.5% pyrite; no visible copper mineralization - fairly fresh dyke, only slightly sericitized (20%) - fairly fractured; average piece 5-10 cm long - contacts at 40 degrees to C/A - dyke marks upper contact of fault zone	14466	73.00	73.70	0.70	84	30	0.1	317	0.03

METRES From	METRES To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au ppb	Ag ppm	Cu ppm	Cu %
73.7	116.0	FAULT ZONE (QUARTZ-SERICITE-PYRITE SCHIST) - light grey colour - quite fractured; average piece 2-5 cm long - intensely sericitized, defining weak foliation paralleling fractures at 60 degrees to C.A. - 5-15% silicification and quartz veining - 10% medium grained, euhedral disseminated pyrite - traces of chalcopyrite and chalcocite - 1-5% ankerite in top of fault zone - 3-10% clay minerals throughout, filling vugs in quartz veins and on fracture surfaces - S.G. at 80.00 m - 2.86 g/cc 90.00 m - 2.83 g/cc 100.00 m - 2.91 g/cc 110.00 m - 2.66 g/cc - average S.G. = 2.81 g/cc	14467	73.70	77.00	3.30	73	250	0.8	3374	0.36
			14468	77.00	80.00	3.00	79	160	0.9	3092	0.32
			14469	80.00	83.00	3.00	55	100	0.4	1265	0.13
			14470	83.00	86.00	3.00	42	220	0.8	2111	0.23
			14471	86.00	89.00	3.00	37	70	0.2	987	
			14472	89.00	92.00	3.00	44	100	0.3	962	
			14473	92.00	95.00	3.00	42	100	0.2	576	
			14474	95.00	98.00	3.00	29	130	0.2	1084	
			14475	98.00	101.00	3.00	27	70	0.2	614	
			14476	101.00	104.00	3.00	16	90	0.4	539	
			14477	104.00	107.00	3.00	15	500	0.1	769	
			14478	107.00	110.00	3.00	22	100	0.1	1055	
			14479	110.00	113.00	3.00	63	100	0.1	1059	
			14480	113.00	116.00	3.00	67	120	0.2	991	
116.0	181.97 E.O.H.	DACITE LAPILLI TUFF - top of interval is light grey and gradually becomes medium green/brown towards bottom of hole - colour change is due to gradual change in alteration, style and intensity - top of interval is intensely sericitized (25-50%), moderately silicified (5-10%), weakly chloritized (1-3%) and clay altered (1-5%) - towards bottom, sericite drops to approximately 20%, chloritization increases to 5-10%, patchy silicification continues (1-5%) and abundance of brown/green ankerite increases from 0% at top to 7-10% at bottom - ankerite mineralization is very distinctive of the footwall volcanic package - anhydrite occurs as veins and patches between 164 and 173 m, generally associated with coarse-grained disseminated pyrite - calcite occurs throughout interval (1-5%) except where anhydrite is observed	14481	116.00	119.00	3.00	93	100	0.1	761	
			14482	119.00	122.00	3.00	80	100	0.4	748	
			14483	122.00	125.00	3.00	95	90	0.3	1209	
			14484	125.00	128.00	3.00	95	70	0.1	830	
			14485	128.00	131.00	3.00	98	70	0.1	846	
			14486	131.00	134.00	3.00	96	50	0.2	599	
			14487	134.00	137.00	3.00	99	70	0.2	572	
			14488	137.00	140.00	3.00	95	70	0.2	533	
			14489	140.00	143.00	3.00	94	110	0.2	504	
			14490	143.00	146.00	3.00	96	80	0.1	451	
			14491	146.00	149.00	3.00	96	170	0.2	603	
			14492	149.00	152.00	3.00	96	100	0.1	607	
			14493	152.00	155.00	3.00	99	80	0.1	535	
			14494	155.00	158.00	3.00	97	100	0.5	548	
			14495	158.00	161.00	3.00	97	110	0.2	416	
			14496	161.00	164.00	3.00	97	110	0.3	599	
			14497	164.00	167.00	3.00	90	80	0.4	412	
			14498	167.00	170.00	3.00	97	50	0.5	171	
			14499	170.00	173.00	3.00	99	60	0.6	355	
			14500	173.00	176.00	3.00	96	50	0.5	342	
			14501	176.00	179.00	3.00	96	80	0.5	415	
			14502	179.00	181.97	2.97	97	100	0.5	449	

METRES From	To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au ppb	Ag ppm	Cu ppm	Cu %
		- pyrite content: from 6-15% as medium grained, mainly euhedral disseminations and stringers - pyrite content increases slightly towards bottom of hole - traces of chalcopyrite at top of interval - traces of dark grey coating on sulphides (chalcocite) throughout interval - S.G. at 120.00 m - 2.85 g/cc 130.00 m - 2.89 g/cc 140.00 m - 2.92 g/cc 150.00 m - 3.02 g/cc 160.00 m - 2.97 g/cc 170.00 m - 2.94 g/cc 180.00 m - 2.89 g/cc - average S.G. = 2.93 g/cc DIP TEST (corrected) at 185.01 m - 51 degrees HOLE SHUT DOWN DUE TO LACK OF VISIBLE COPPER MINERALIZATION									

1989 KERR EXPLORATION PROGRAM
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Ref	North	East	RL	Azim	Dip	Length	Category	Remarks
8912	10976.18	9657.92	1139.45	90	60	181.97	Tedray	Test IP anomaly on eastern part of Tedray

FROM	Dist	WDTH	RQ	ROCKNAME	UNT	TXT	SI	QV	SE	CY	CH	EP	CB	GM	A1	A2	IN	PY	CP	SP	CC	NC	M1	M2
F																								
	3.05			OVERBURDEN																				
3.05	6	2.95	20	SI STWK		RPLC	30	2	40	2				10			85	8	1					
6.00	9	3.00	11	QTZ SRCT PY SCH		SHRD	20	2	50					15			90	10	1					
9.00	12	3.00	41	QTZ SRCT PY SCH		SHRD	20	1	50					15			90	10	.8					
12.00	15	3.00	8	QTZ SRCT PY SCH		SHRD	5	1	10					2			95	8	.3					
15.00	18	3.00	8	QTZ SRCT PY SCH		SHRD	15		60	1				5			95	7	.8					
18.00	21	3.00	8	QTZ SRCT PY SCH		SHRD	5		75								95	6	.4					
21.00	24	3.00	37	QTZ SRCT PY SCH		SHRD	5	3	75								95	8	.3					
24.00	27	3.00	31	QTZ SRCT PY SCH		SHRD	8	2	75	1							95	8	.2					
27.00	30	3.00	37	DCIT LPLL TUFF		F.CG	8	8	50		3			2			85	12	.5					
30.00	33	3.00	35	DCIT LPLL TUFF		F.CG	10	2	55		1			5			80	12	.4					
33.00	36	3.00	9	DCIT LPLL TUFF		F.CG	3	2	60		2			2			75	10	.3					
36.00	39	3.00	35	DCIT LPLL TUFF		F.CG	7		60					3			75	9	.2					
39.00	42	3.00	41	DCIT LPLL TUFF		F.CG	8		35		2			20			70	18	.1					
42.00	45	3.00	47	DCIT LPLL TUFF		F.CG	8		35		5			20			70	15	.3					
45.00	48	3.00	44	DCIT LPLL TUFF		F.CG	5	3	50		2			5	2		70	12	.5					
48.00	51	3.00	39	DCIT LPLL TUFF		F.CG	8		50		3			8	5		75	10	.5					
51.00	53	2.00	35	DCIT LPLL TUFF		F.CG	8		45		5	2		15			75	15	.1					
53.00	55.3	2.30	13	DCIT LPLL TUFF		F.CG	5	3	40		3			15			70	15	.1					
55.30	58.3	3.00	47	DCIT LPLL TUFF		F.CG	3		5		10		8				30	.5						
58.30	60.9	2.60	49	DCIT LPLL TUFF		F.CG	2		5		10		8				30	.5						
60.90	64	3.10	34	DCIT LPLL TUFF		F.CG	12		30		2			30			75	12	.1					
64.00	67	3.00	37	DCIT LPLL TUFF		F.CG	3		60	3	2			3			75	15						
67.00	70	3.00	41	DCIT LPLL TUFF		F.CG	15		60	3	3			5			90	12	.2					
70.00	73	3.00	12	DCIT LPLL TUFF		F.CG	5		60	5	2			10			85	10	.2					
73.00	73.70	0.70	29	FELS INT DYKE		F.MG	15		20	2	5						30	.2						
73.70	77	3.30	12	FAULT ZONE:		SHRD	15	2	45	5				2			75	12	.8					
77.00	80	3.00	12	QTZ SER SCH		SHRD	15	3	50	5				1			75	10	.1					
80.00	83	3.00	11	QTZ SER SCH		SHRD	10	3	50	8				1			75	10	.1					
83.00	86	3.00	9	QTZ SER SCH		SHRD	10	2	50	10				1			75	10	.1					
86.00	89	3.00	9	QTZ SER SCH		SHRD	10	2	50	5							75	10	.3					
89.00	92	3.00	9	QTZ SER SCH		SHRD	10	2	50	5	1			5			75	10	.2					
92.00	95	3.00	10	QTZ SER SCH		SHRD	10	2	50	3				5			75	10	.1					
95.00	98	3.00	9	QTZ SER SCH		SHRD	8		45	5				2			65	10	.2					
98.00	101	3.00	9	QTZ SER SCH		SHRD	5		40	10				1			60	10	.2					
101.00	104	3.00	9	QTZ SER SCH		SHRD	15		40	8							65	7						
104.00	107	3.00	9	QTZ SER SCH		SHRD	5		50	10							70	8	.1					
107.00	110	3.00	9	QTZ SER SCH		SHRD	5		45	5			1				70	10	.1					
110.00	113	3.00	9	QTZ SER SCH		SHRD	5		40	10			3				60	8	.2					
113.00	116	3.00	10	QTZ SER SCH		SHRD	5	1	40	10			5		1		50	7	.1					
116.00	119	3.00	48	DCIT LPLL TUFF		F.CG	5	5	50	2	3			3			70	8	.3					
119.00	122	3.00	36	DCIT LPLL TUFF		F.CG	3	5	50	3	2		3	1			70	8	.1					
122.00	125	3.00	55	DCIT LPLL TUFF		F.CG	2	6	40	1	1		1				60	6	.1					
125.00	128	3.00	45	DCIT LPLL TUFF		F.CG		4	35	1	1		1				50	8						
128.00	131	3.00	52	DCIT LPLL TUFF		F.CG		5	25		2		5				40	8						
131.00	134	3.00	56	DCIT LPLL TUFF		F.CG		5	25		1		5				40	8						
134.00	137	3.00	56	DCIT LPLL TUFF		F.CG		5	25		2		5				40	8						
137.00	140	3.00	55	DCIT LPLL TUFF		F.CG		3	15		1		5				25	6						
140.00	143	3.00	48	DCIT LPLL TUFF		F.CG	2	7	25		5	1	5	15			65	10	.1					
143.00	146	3.00	58	DCIT LPLL TUFF		F.CG		10	20		5	1	5	7			50	10						
146.00	149	3.00	42	DCIT LPLL TUFF		F.CG		6	20		6		3	7			45	12						
149.00	152	3.00	44	DCIT LPLL TUFF		F.CG		5	20		2		3	15			45	10						

Ref	North	East	RL	Azim	Dip	Length	Category	Remarks
8912	10976.18	9657.92	1139.45	90	60	181.97	Tedray	Test IP anomaly on eastern part of Tedray

FROM	Dist	WDTH	RQ	ROCKNAME	UNT	TXT	SI	QV	SE	CY	CH	EP	CB	GM	A1	A2	IN	PY	CP	SP	CC	NC	M1	M2
F																								
152.00	155	3.00	53	DCIT LPLL TUFF		F.CG		3	20		3		2	7			40	6						
155.00	158	3.00	44	DCIT LPLL TUFF		F.CG	2	3	20		3		1	7			40	6						
158.00	161	3.00	55	DCIT LPLL TUFF		F.CG		3	20		2		1	7			35	8						
161.00	164	3.00	54	DCIT LPLL TUFF		F.CG		3	25		3			10			45	12						
164.00	167	3.00	43	DCIT LPLL TUFF		F.CG	3	3	30		5		1	7	3		55	15						
167.00	170	3.00	42	DCIT LPLL TUFF		F.CG	5	5	25		5			7	2		55	12						
170.00	173	3.00	33	DCIT LPLL TUFF		F.CG	3	2	25		7			5	1		50	12						
173.00	176	3.00	46	DCIT LPLL TUFF		F.CG	5	5	25		10		3	10			60	12	.2					
176.00	179	3.00	46	DCIT LPLL TUFF		F.CG	3	2	20		10		1	8			45	10						
179.00	181.97	2.97	40	DCIT LPLL TUFF		F.CG		5	15		10		2	8			45	12						

1988 Triumph Street, Vancouver, B.C. V5L 1K5
Phr(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Pd, Pt, Sn, Sr and W.

REPORT #: B90553 PA | WESTERN CANADIAN | Proj: 9101 | Date In: 89/09/05 | Date Out:89/09/15 | Att: B BUTTERWORTH | ANALYST:

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sn ppm	Sr ppm	U ppm	W ppm	Zn ppm
14442	3.1	0.27	1008	20	<3	0.12	1.2	15	69	10920	5.55	0.22	0.03	47	6	0.01	26	0.09	71	<2	2	495	<5	<3	290
14443	1.5	0.30	143	10	<3	0.09	0.7	18	146	10014	6.03	0.23	0.02	36	16	0.01	32	0.08	63	<2	3	499	<5	<3	152
14444	1.0	0.47	34	8	<3	0.20	0.5	24	66	7575	6.39	0.23	0.10	27	9	0.01	38	0.19	34	<2	3	140	<5	<3	120
14445	0.6	0.46	30	8	<3	0.11	0.1	16	94	4927	5.65	0.19	0.05	25	8	0.01	10	0.12	33	<2	2	85	<5	<3	53
14446	0.4	0.30	70	11	<3	0.06	0.1	18	70	3206	4.88	0.15	0.03	19	6	0.01	9	0.07	68	<2	2	28	<5	<3	83
14447	0.2	0.49	26	10	<3	0.16	0.1	19	93	1013	4.90	0.17	0.09	21	8	0.01	8	0.12	27	<2	2	89	<5	<3	26
14448	0.1	0.43	148	11	<3	0.17	0.1	16	63	710	5.24	0.19	0.08	17	5	0.01	7	0.14	22	<2	2	164	<5	<3	50
14449	0.6	0.45	464	12	<3	0.15	0.1	18	93	1865	4.79	0.17	0.05	20	10	0.01	9	0.11	26	<2	2	155	<5	<3	108
14450	0.2	0.45	20	23	<3	0.19	0.2	17	60	1163	5.04	0.18	0.15	36	7	0.01	6	0.14	23	<2	2	44	<5	<3	44
14451	0.2	0.50	17	17	<3	0.16	0.1	17	98	981	5.35	0.18	0.08	21	8	0.01	8	0.12	24	<2	2	33	<5	<3	16
14452	0.2	0.38	13	24	<3	0.16	0.1	17	52	876	4.44	0.15	0.07	16	5	0.01	5	0.11	21	<2	<2	40	<5	<3	14
14453	0.2	0.43	15	15	<3	0.14	0.1	16	85	975	4.51	0.16	0.05	16	7	0.01	8	0.10	23	<2	2	74	<5	<3	10
14454	1.1	0.36	441	8	<3	0.19	1.4	27	72	2980	7.30	0.25	0.05	17	10	0.01	53	0.14	58	<2	3	116	<5	<3	143
14455	0.7	0.37	601	12	<3	0.14	1.2	28	87	2724	6.85	0.22	0.04	16	12	0.01	28	0.10	31	<2	3	27	<5	<3	342
14456	0.7	0.37	607	9	<3	0.25	1.5	18	64	3271	5.53	0.21	0.05	17	15	0.01	13	0.19	28	<2	2	149	<5	<3	472
14457	1.1	0.41	788	9	<3	0.21	1.4	23	95	3637	6.05	0.22	0.04	21	15	0.01	49	0.13	61	<2	2	153	<5	<3	233
14458	0.8	0.28	742	6	<3	0.11	1.9	22	69	2589	7.04	0.23	0.02	15	12	0.01	44	0.08	100	<2	3	96	<5	<3	195
14459	1.2	0.52	504	8	<3	0.25	1.1	24	118	2846	6.69	0.24	0.12	33	15	0.01	45	0.16	70	<2	3	72	<5	<3	150
14460	0.3	1.90	39	274	3	1.88	1.1	32	93	123	4.35	0.42	3.04	693	4	0.09	74	0.45	40	<2	13	199	<5	<3	92
14461	0.3	1.98	31	213	3	1.89	0.2	33	112	87	4.34	0.42	3.09	710	5	0.10	77	0.47	41	<2	14	197	<5	<3	91
14462	1.7	0.38	312	11	<3	0.22	1.2	27	54	2721	6.97	0.24	0.15	33	19	0.01	38	0.15	48	<2	3	43	<5	<3	210
14463	0.7	0.81	24	8	<3	0.33	0.3	19	95	2620	6.39	0.24	0.50	156	23	0.01	16	0.19	29	<2	2	78	<5	<3	64
14464	1.0	0.58	21	9	<3	0.58	1.1	20	70	2657	5.75	0.26	0.69	419	12	0.01	25	0.17	29	<2	2	44	<5	<3	45
14465	0.7	0.83	31	7	3	1.01	0.7	20	82	2589	6.50	0.34	1.26	836	11	0.01	21	0.16	27	<2	2	32	<5	<3	67
14466	0.1	2.10	15	355	<3	0.72	0.2	9	19	317	2.43	0.18	2.15	816	3	0.01	7	0.17	24	<2	<2	48	<5	<3	183
14467	0.8	1.18	23	14	<3	0.41	1.5	18	129	3374	5.57	0.23	0.92	238	14	0.01	19	0.20	29	<2	2	49	<5	<3	103
14468	0.9	0.66	114	8	<3	0.52	1.1	20	58	3092	5.76	0.25	0.66	236	13	0.01	17	0.21	50	<2	2	25	<5	<3	118
14469	0.4	0.69	58	8	<3	0.46	1.2	19	219	1265	6.42	0.26	0.50	217	21	0.01	20	0.17	66	<2	3	43	<5	<3	76
14470	0.8	0.37	49	7	<3	0.73	1.2	29	63	2111	6.34	0.30	0.65	287	13	0.01	25	0.17	52	<2	2	31	<5	<3	53
14471	0.2	0.49	24	13	<3	0.92	0.3	16	84	987	4.90	0.28	0.85	335	12	0.01	11	0.16	49	<2	2	23	<5	<3	43
14472	0.3	0.52	33	9	3	0.68	0.8	33	68	962	8.39	0.35	0.78	203	19	0.01	27	0.17	60	<2	3	16	<5	<3	62
14473	0.2	1.01	33	6	3	0.77	0.3	35	168	576	8.44	0.36	1.33	257	24	0.01	36	0.17	54	<2	3	18	<5	<3	97
14474	0.2	1.30	33	9	3	0.93	0.2	26	70	1084	7.67	0.36	2.04	423	11	0.01	25	0.16	37	<2	2	18	<5	<3	201
14475	0.2	0.67	11	8	<3	0.69	0.6	22	96	614	6.83	0.30	0.92	330	15	0.01	15	0.15	34	<2	2	19	<5	<3	116
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum ANOMALOUS RESULTS = Further Analyses by Alternate Methods Suggested

REPORT #: 890553 PA | WESTERN CANADIAN | Proj: 9101 | Date In: 89/09/05 | Date Out:89/09/15 | Att: B BUTTERWORTH |

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
14476	0.4	0.54	44	6	<3	0.67	1.5	15	69	539	7.38	0.32	0.76	337	9	0.01	14	0.15	34	<2	3	19	<5	<3	113
14477	0.1	0.65	14	9	<3	0.32	0.1	16	127	769	5.79	0.22	0.45	116	15	0.01	13	0.17	40	<2	<2	11	<5	<3	83
14478	0.1	0.69	10	16	<3	0.54	0.1	19	49	1055	4.34	0.21	0.75	289	14	0.01	6	0.18	22	<2	<2	14	<5	<3	83
14479	0.1	1.00	9	19	<3	0.38	0.1	18	59	1059	3.88	0.17	0.79	184	14	0.01	6	0.17	23	<2	<2	13	<5	<3	77
14480	0.2	1.21	11	20	<3	0.60	0.1	18	42	991	4.13	0.21	1.05	299	8	0.01	7	0.18	24	<2	<2	20	<5	<3	116
14481	0.1	0.50	17	8	<3	1.37	0.1	23	87	761	5.21	0.36	0.35	537	50	0.01	12	0.15	28	<2	<2	42	<5	<3	45
14482	0.4	0.35	47	7	<3	0.72	0.1	22	50	748	5.11	0.26	0.27	454	22	0.01	7	0.16	29	<2	2	56	<5	<3	54
14483	0.3	0.50	85	6	<3	0.66	0.1	21	62	1209	5.12	0.25	0.21	279	17	0.01	8	0.17	34	<2	<2	57	<5	<3	54
14484	0.1	0.43	18	18	<3	0.96	0.1	20	41	830	4.80	0.28	0.28	377	10	0.01	7	0.17	26	<2	<2	25	<5	<3	39
14485	0.1	0.69	13	16	<3	1.35	0.1	18	70	846	4.19	0.33	0.47	674	27	0.01	7	0.17	24	<2	<2	32	<5	<3	52
14486	0.2	0.43	19	15	<3	1.59	0.1	18	34	599	4.38	0.37	0.31	734	18	0.01	5	0.18	29	<2	<2	46	<5	<3	37
14487	0.2	0.62	19	10	<3	1.58	0.2	20	67	572	5.73	0.41	0.44	819	9	0.01	8	0.18	35	<2	<2	44	<5	<3	27
14488	0.2	0.51	17	14	<3	1.60	0.1	16	34	533	5.17	0.39	0.44	975	6	0.01	7	0.17	28	<2	2	44	<5	<3	21
14489	0.2	0.94	29	8	<3	1.71	0.2	29	68	504	6.35	0.45	1.14	815	9	0.01	20	0.22	34	<2	2	138	<5	<3	46
14490	0.1	1.13	34	8	<3	2.53	0.5	33	41	451	7.23	0.60	1.73	1235	5	0.01	25	0.23	36	<2	2	158	<5	<3	75
14491	0.2	1.15	38	9	3	1.90	0.6	34	37	603	7.39	0.50	1.35	735	9	0.01	23	0.25	37	<2	2	58	<5	<3	85
14492	0.1	0.98	26	12	<3	2.28	0.2	29	59	607	6.36	0.53	1.56	702	5	0.01	64	0.23	34	<2	2	119	<5	<3	79
14493	0.1	1.53	38	11	<3	3.15	0.2	26	49	535	6.10	0.68	1.88	516	5	0.01	52	0.20	38	<2	<2	420	<5	<3	157
14494	0.5	0.73	38	8	<3	1.33	0.3	28	75	548	6.78	0.40	1.00	765	4	0.01	35	0.22	42	<2	2	85	<5	<3	82
14495	0.2	0.59	26	7	<3	1.06	0.2	23	54	416	5.76	0.33	0.75	594	6	0.01	40	0.19	32	<2	2	67	<5	<3	66
14496	0.3	0.60	32	7	<3	1.09	0.2	28	84	599	6.49	0.36	0.84	734	11	0.01	140	0.17	34	<2	3	66	<5	<3	77
14497	0.4	0.38	95	4	3	0.58	0.7	33	64	412	8.98	0.35	0.24	240	10	0.01	79	0.24	49	<2	3	32	<5	<3	42
14498	0.5	0.43	96	6	<3	0.48	0.7	30	84	171	8.26	0.32	0.19	175	7	0.01	70	0.24	85	<2	2	26	<5	<3	73
14499	0.6	0.36	153	5	<3	0.58	0.7	26	51	355	6.85	0.29	0.20	231	7	0.01	56	0.22	75	<2	2	56	<5	<3	85
14500	0.5	0.56	29	7	<3	0.83	0.3	18	58	342	5.23	0.28	0.68	611	8	0.01	47	0.15	37	<2	2	83	<5	<3	64
14501	0.5	0.40	97	7	<3	0.46	0.1	19	53	415	5.32	0.23	0.29	237	4	0.01	46	0.17	36	<2	2	47	<5	<3	53
14502	0.5	0.41	121	8	<3	0.58	0.3	22	66	449	5.71	0.26	0.37	375	4	0.01	64	0.17	50	<2	2	48	<5	<3	62
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum ANOMALOUS RESULTS = Further Analyses by Alternate Methods Suggested

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
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● FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: B90553 GA JOB NUMBER: B90553 **WESTERN CANADIAN MINING CORP.**

SAMPLE #	Au ppb
14442	360
14443	370
14444	430
14445	330
14446	280
14447	220
14448	80
14449	130
14450	110
14451	90
14452	90
14453	100
14454	150
14455	150
14456	120
14457	130
14458	200
14459	140
14460	20
14461	10
14462	130
14463	200
14464	130
14465	190
14466	30
14467	250
14468	160
14469	100
14470	220
14471	70
14472	100
14473	100
14474	130
14475	70
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

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RENO, NEVADA, U.S.A.

SAMPLE #	Au ppb
14476	90
14477	500
14478	100
14479	100
14480	120
14481	100
14482	100
14483	90
14484	70
14485	70
14486	50
14487	70
14488	70
14489	110
14490	80
14491	170
14492	100
14493	80
14494	100
14495	110
14496	110
14497	80
14498	50
14499	60
14500	50
14501	80
14502	100

DETECTION LIMIT 5
nd = none detected -- = not analysed is = insufficient sample

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BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 890553A AA JOB NUMBER: 890553A **WESTERN CANADIAN MINING CORP.**

SAMPLE #	Cu %	Pb %	Ag oz/st
14442	1.05	--	--
14443	.97	--	--
14444	.74	--	--
14445	.50	--	--
14446	.32	--	--
14447	.10	--	--
14448	.07	--	--
14449	.18	--	--
14450	.12	--	--
14451	.10	--	--
14452	.09	--	--
14453	.10	--	--
14454	.27	--	--
14455	.27	--	--
14456	.30	--	--
DETECTION LIMIT	.01	.01	.01

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001I ppm = parts per million < = less than

signed: _____

VGC VANGEOCHEM LAB LIMITED

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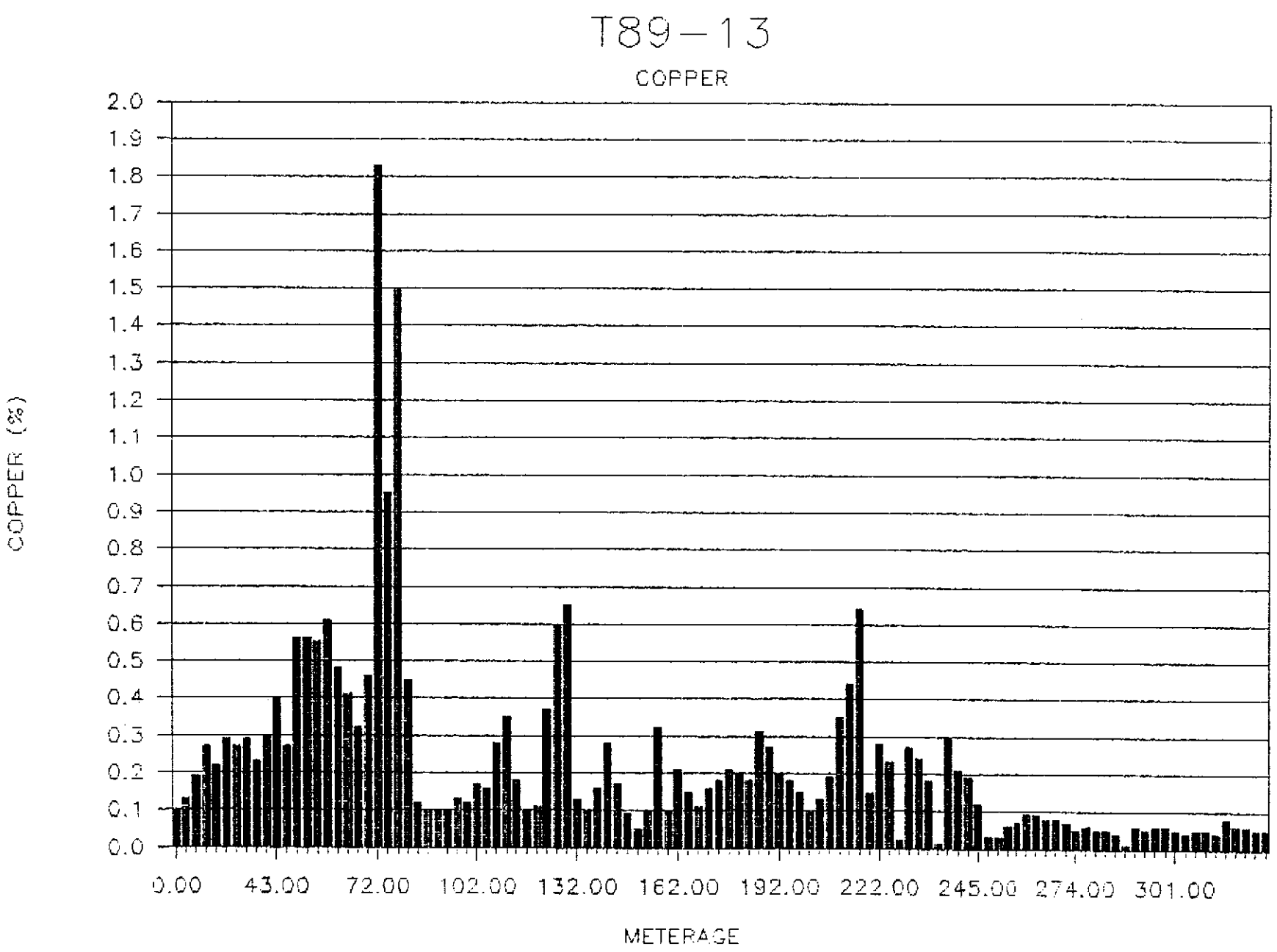
VANCOUVER, B.C. V5L 1K5
• (604) 251-5656
• FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

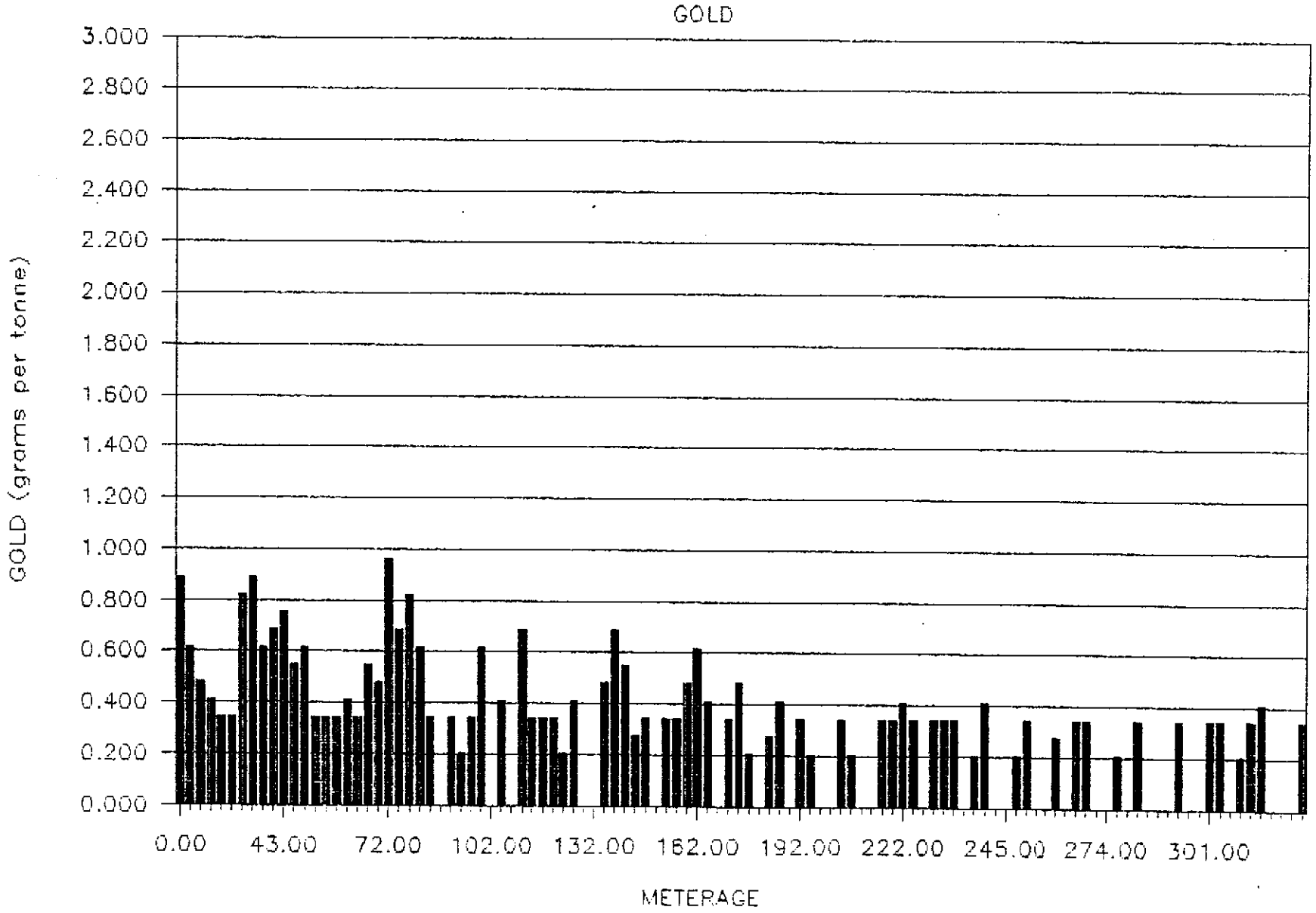
SAMPLE #	Cu %	Pb %	Ag oz/st
14457	.37	--	--
14458	.26	--	--
14459	.27	--	--
14460	.01	--	--
14461	.01	--	--
14462	.28	--	--
14463	.26	--	--
14464	.28	--	--
14465	.27	--	--
14466	.03	--	--
14467	.36	--	--
14468	.32	--	--
14469	.13	--	--
14470	.23	--	--
DETECTION LIMIT	.01	.01	.01

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____


T89-13
COPPER
COPPER (%)
2.0
1.9
1.8
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
0.00
43.00
72.00
102.00
132.00
162.00
192.00
222.00
245.00
274.00
301.00
METERAGE

T89-13


GOLD
GOLD (grams per tonne)
3.000
2.800
2.600
2.400
2.200
2.000
1.800
1.600
1.400
1.200
1.000
0.800
0.600
0.400
0.200
0.000
0.00
43.00
72.00
102.00
132.00
162.00
192.00
222.00
245.00
274.00
301.00
METERAGE

D.D. HOLE No. T-89-13 PAGE: 1 of 5

Location	Tedray Property	Collar Northing	10959.44 m
Date Started	August 28, 1989	Easting	9506.99 m
Date Completed	September 1, 1989	Elevation	1119.54 m
Core Recovery	90.17 %	Azimuth	090 Dip -60 deg.
Drilled By	J.T.Thomas Drilling	Length	334.37 m
Logged By	S.G. Casselman	Hor. Proj.	219.47 m
Objective	Test mild IP anomaly and B-zone deposit on Tedray claim	Vert. Proj.	246.98 m
		Core Size	BQ

METRES From	METRES To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au oz/st	Ag ppm	Cu ppm	Cu %
0.00	15.24	OVERBURDEN									
15.24	50.90	FAULTED (FRACTURED) DACITE LAPILLI TUFF	14503	15.24	19.00	3.76	22	0.026			0.10
		- quite fractured: average piece 10 cm long	14504	19.00	22.00	3.00	54	0.018			0.13
			14505	22.00	25.00	3.00	56	0.014			0.19
		- fractured at 75 degrees to C.A.	14506	25.00	28.00	3.00	57	0.012			0.27
		- dacite tuff texture evident	14507	28.00	31.00	3.00	77	0.010			0.22
		- varies from fine/ash tuff to coarse volcaniclastic (lapilli tuff)	14508	31.00	34.00	3.00	85	0.010			0.29
			14509	34.00	37.00	3.00	72	0.024			0.27
		- lapilli up to 3 cm long	14510	37.00	40.00	3.00	67	0.026			0.29
		- occasional fracture surfaces have a coating of a white very fine grained powdery clay mineral - possibly remains of weathered-out anhydrite (possibly cause for rubble?)	14511	40.00	43.00	3.00	38	0.018			0.23
			14512	43.00	46.00	3.00	34	0.020			0.30
			14513	46.00	48.50	2.50	31	0.022			0.40
			14514	48.50	50.90	2.40	57	0.016			0.27
		- solid pieces of core are comprised of identical material as lower competent dacite, lapilli tuff									
		- lapilli clasts are variably altered to silica, sericite, ankerite and minor epidote									
		- zone is moderately sericitized, weakly silicified and contains from 1-5% ankerite as brown-green micaceous wisps cutting throughout and occurring along quartz vein borders									
		- ankerite and epidote are typical footwall volcanic unit assemblage									
		- faint green patches scattered throughout are believed to contain epidote (1-5%)									
		- interval contains traces to 1% disseminated chalcopyrite with up too 15% pyrite									

METRES From	To	DESCRIPTION	SAMPLING Spl #	From	To	m	Rec %	Au oz/st	Ag ppm	Cu ppm	Cu %
		- up to 6% chalcocite as a dark grey coating of sulphide grains from the collar to 57.0 m - tennantite begins to occur in quartz veins and silicified patches at 34.0 m - tennantite occurs as very dark blue grey to black mineral with brown-red streak - very soft - S.G. at 20.00 m - 2.93 g/cc 30.00 m - 2.86 g/cc 40.00 m - 2.89 g/cc 50.00 m - 2.91 g/cc - average S.G. = 2.90 g/cc									
50.9	238.4	DACITE LAPILLI TUFF - similar rock type to overlying rock but much less fractured - average piece: 20-40 cm long - from 75 to 87 m core is intensely silicified (10-45%) with 40% sericite, 3-10% ankerite and minor epidote - this section also contains abundant copper sulphide mineralization, 0.5-3% chalcopyrite and 0.3-2% tennantite - from 87 to 112 m the core becomes fairly homogeneous light grey fine grained ash tuff with the occasional lapilli fragment - this interval contains 40-50% sericite, traces of chlorite and minor quartz veining, with from 0.3-1% disseminated chalcopyrite and traces of tennantite - from 112 to 116.3: gets back into distinctive lapilli tuff with 35-50% lapilli fragments - this interval is moderately to strongly sericitized, weakly chloritized and contains up to 10% ankerite - the coarse lapilli tuff intervals generally contain a greater abundance of chalcopyrite (0.3-1%) and tennantite (0.1 to 0.5%) than do the finer ash tuff intervals (0.1-0.3% chalcopyrite and 0-0.2% tennantite) - from 116.3 to 126.0: gets back into fine/medium grained, light grey homogeneous ash tuff with 0.1-0.5% chalcopyrite	14515	50.90	54.00	3.10	99	0.018			0.56
			14516	54.00	57.00	3.00	84	0.010			0.56
			14517	57.00	60.00	3.00	79	0.010			0.55
			14518	60.00	63.00	3.00	82	0.010			0.61
			14519	63.00	66.00	3.00	45	0.012			0.48
			14520	66.00	69.00	3.00	102	0.010			0.41
			14521	69.00	72.00	3.00	95	0.016			0.32
			14522	72.00	75.00	3.00	70	0.014			0.46
			14523	75.00	78.00	3.00	84	0.028			1.83
			14524	78.00	81.00	3.00	90	0.020			0.95
			14525	81.00	84.00	3.00	92	0.024			1.50
			14526	84.00	87.00	3.00	93	0.018			0.45
			14527	87.00	90.00	3.00	95	0.010			0.12
			14528	90.00	93.00	3.00	96	<.005			0.10
			14529	93.00	96.00	3.00	96	0.010			0.10
			14530	96.00	99.00	3.00	81	0.006			0.10
			14531	99.00	102.00	3.00	73	0.010			0.13
			14532	102.00	105.00	3.00	81	0.018			0.12
			14533	105.00	108.00	3.00	99	<.005			0.17
			14534	108.00	111.00	3.00	95	0.012			0.16
			14535	111.00	114.00	3.00	99	<.005			0.28
			14536	114.00	117.00	3.00	98	0.020			0.35
			14537	117.00	120.00	3.00	98	0.010			0.18
			14538	120.00	123.00	3.00	97	0.010			0.10
			14539	123.00	126.00	3.00	97	0.010			0.11
			14540	126.00	129.00	3.00	92	0.006			0.37
			14541	129.00	132.00	3.00	96	0.012			0.60
			14542	132.00	135.00	3.00	92	<.005			0.65
			14543	135.00	138.00	3.00	94	<.005			0.13
			14544	138.00	141.00	3.00	99	0.014			0.10
			14545	141.00	144.00	3.00	94	0.020			0.16
			14546	144.00	147.00	3.00	96	0.016			0.28
			14547	147.00	150.00	3.00	99	0.008			0.17

METRES From	To	DESCRIPTION	SAMPLING Spl. #	From	To	m	Rec %	Au oz/st	Ag ppm	Cu ppm	Cu %
		- 126.0 to 135: lapilli tuff - 0.8% chalcopyrite, 0.2% tennantite	14548	150.00	153.00	3.00	97	0.010			0.09
		- 135 to 189: ash tuff - 0.3% chalcopyrite, 0.4% tennantite; tennantite occurs in rare <1 mm microfractures (about 0.2%) scattered throughout interval at random spacing	14549	153.00	156.00	3.00	97	<.005			0.05
			14550	156.00	159.00	3.00	98	0.010			0.10
			14551	159.00	162.00	3.00	98	0.010			0.32
			14552	162.00	165.00	3.00	97	0.014			0.10
			14553	165.00	168.00	3.00	98	0.018			0.21
			14554	168.00	171.00	3.00	97	0.012			0.15
		- at 141.7: 40 cm of sheared sericite gouge (minor fault)	14555	171.00	174.00	3.00	99	<.005			0.11
			14556	174.00	177.00	3.00	97	0.010			0.16
		- as tuff contains 10-20% medium green spots of very fine grained pyrite and chlorite	14557	177.00	180.00	3.00	95	0.014			0.18
			14558	180.00	183.00	3.00	96	0.006			0.21
			14559	183.00	186.00	3.00	99	<.005			0.20
		- very massive ash tuff interval with little copper-sulphide mineralization (0.1-0.5%)	14560	186.00	189.00	3.00	97	0.008			0.18
			14561	189.00	192.00	3.00	99	0.012			0.31
			14562	192.00	195.00	3.00	97	<.005			0.27
		- 189 to 228.55: dacite lapilli tuff moderately to strongly sericitized, weak to moderate chlorite, 1-7% anhydrite veins and micro-veinlets	14563	195.00	198.00	3.00	97	0.010			0.20
			14564	198.00	201.00	3.00	96	0.006			0.18
			14565	201.00	204.00	3.00	98	<.005			0.15
			14566	204.00	207.00	3.00	95	<.005			0.10
		- traces to 1% combined chalcopyrite and tennantite, moderate silicification	14567	207.00	210.00	3.00	96	0.010			0.13
			14568	210.00	213.00	3.00	98	0.006			0.19
		- from 228.55 to 229.48: small interval of light grey ash tuff with 10% dark green chloritized fragments (1-3 cm long)	14569	213.00	216.00	3.00	98	<.005			0.35
			14570	216.00	219.00	3.00	97	<.005			0.44
			14571	219.00	222.00	3.00	93	0.010			0.64
		- no copper-sulphide mineralization	14572	222.00	225.00	3.00	100	0.010			0.15
		- from 229.48 to 238.4: dacite lapilli tuff as in above sections	14573	225.00	227.00	2.00	100	0.012			0.28
			14574	227.00	228.55	1.55	99	0.010			0.23
			14575	228.55	229.48	0.93	97	<.005			0.02
			14576	229.48	232.50	3.02	99	0.010			0.27
			14577	232.50	235.50	3.00	96	0.010			0.24
			14578	235.50	238.40	2.90	97	0.010			0.18
		- S.G. at 60.00 m - 2.78 g/cc									
		70.00 m - 2.96 g/cc									
		80.00 m - 2.91 g/cc									
		90.00 m - 2.90 g/cc									
		100.00 m - 2.88 g/cc									
		110.00 m - 2.66 g/cc									
		120.00 m - 2.88 g/cc									
		130.00 m - 2.96 g/cc									
		140.00 m - 2.92 g/cc									
		150.00 m - 2.86 g/cc									
		160.00 m - 2.85 g/cc									
		170.00 m - 2.85 g/cc									
		180.00 m - 2.81 g/cc									
		190.00 m - 2.90 g/cc									
		200.00 m - 2.93 g/cc									
		210.00 m - 2.98 g/cc									
		220.00 m - 2.89 g/cc									
		230.00 m - 2.81 g/cc									
		- average S.G. = 2.87 g/cc									

METRES From	To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au oz/st	Ag ppm	Cu ppm	Cu %
238.4	239.5	ANDESITE DYKE - fine to medium grained, medium grey/ green, fairly homogeneous - 5% yellow-white quartz-calcite veins - no visible copper mineralization - <1% pyrite - quite fractured; average piece: 2-5 cm long - 5% anhydrite on fracture surfaces	14579	238.40	239.50	1.10	75	<.005			0.01
239.5	257.0	DACITE LAPILLI TUFF - as in section 50.9-238.4 - grades from coarse volcaniclastic at top to finer ash tuff at bottom - intensity of sericitization increases downwards from 30-50% - moderately to strongly silicified - blue-grey overall colour - contains 5-10% disseminated, medium grained euhedral pyrite - traces of tennantite throughout - rare chalcopyrite - 1-5% quartz and occasionally quartz-calcite veining - S.G. at 240.00 m - 2.80 g/cc 250.00 m - 2.89 g/cc - average S.G. = 2.84 g/cc	14580	239.50	242.00	2.50	96	0.006			0.30
			14581	242.00	245.00	3.00	97	0.012			0.21
			14582	245.00	248.00	3.00	100	<.005			0.19
			14583	248.00	251.00	3.00	98	<.005			0.12
			14584	251.00	254.00	3.00	95	0.006			0.03
			14585	254.00	257.00	3.00	96	0.010			0.03
257.0	258.75	ANDESITE DYKE - as in interval 238.4-239.5 m - light to medium grey-green, fine to medium grained with <1 mm green chloritized mafic phenocrysts - <1% pyrite; no visible copper mineralization - 5% quartz-calcite veins	14586	257.00	258.75	1.75	97	<.005			0.06
258.75	290.5	DACITE ASH TUFF - light grey with faint blue tint - fine to medium grained, mainly ash with 5-10% green, chloritized fragments up to 1 mm long - fairly homogeneous, and massive with little copper-sulphide mineralization - traces of tennantite disseminated throughout - 8-10% medium to coarse grained pyrite disseminations and veins	14587	258.75	262.00	3.25	97	<.005			0.07
			14588	262.00	265.00	3.00	96	0.008			0.09
			14589	265.00	268.00	3.00	99	<.005			0.09
			14590	268.00	271.00	3.00	95	0.010			0.08
			14591	271.00	274.00	3.00	97	0.010			0.08
			14592	274.00	277.00	3.00	100	<.005			0.07
			14593	277.00	280.00	3.00	95	<.005			0.05
			14594	280.00	283.00	3.00	97	0.006			0.06
			14595	283.00	286.00	3.00	100	<.005			0.05
			14596	286.00	288.00	2.00	93	0.010			0.05
			14597	288.00	290.50	2.50	96	<.005			0.04

METRES From	To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au oz/st	Ag ppm	Cu ppm	Cu %
		- 1-5% quartz-calcite veins - anhydrite content drops down with this unit - moderately sericitized; weakly chloritized - towards bottom of interval, becomes more ankeritic (3-15%) and contains 2-3% epidote - S.G. at 260.00 m - 2.93 g/cc 270.00 m - 2.89 g/cc 280.00 m - 2.88 g/cc 290.00 m - 2.90 g/cc - average S.G. = 2.90 g/cc									
290.5	294.45	BASALT DYKE - dark brown, fine to medium grained with 1 mm chloritized mafic minerals (hornblende) - contains 10% white to clear quartz filled amygdules - slightly maganetic - barren of sulphide mineralization - contacts at 50 degrees to C.A.	14598 14599	290.50 292.45	292.45 295.00	1.95 2.55	99 94	<.005 <.005			0.01 0.06
294.45	334.37 E.O.H.	DACITE TUFF - light to medium grey to green - interbedded fine grained ash tuff (generally light grey) and coarse lapilli tuff (generally grey with patchy lime green epidote and ankerite) - moderately sericitized and chloritized - 2-5% quartz-calcite veining - 5-10% fine to medium grained euhedral pyrite disseminated throughout - traces of blue-grey mineral associated with pyrite (tennantite?) - relatively unaltered and unmineralized - S.G. at 300.00 m - 2.86 g/cc 310.00 m - 2.94 g/cc 320.00 m - 2.97 g/cc 330.00 m - 2.92 g/cc - average S.G. = 2.92 g/cc	14600 14601 14602 14603 14604 14605 14606 14605 14608 14609 14610 14611 14612	295.00 298.00 301.00 304.00 307.00 310.00 313.00 316.00 319.00 322.00 325.00 328.00 331.00	298.00 301.00 304.00 307.00 310.00 313.00 316.00 319.00 322.00 325.00 328.00 331.00 334.37	3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.37	97 97 98 98 100 96 99 97 97 95 98 100 97	0.010 <.005 <.005 0.010 0.010 <.005 0.006 0.010 0.012 <.005 <.005 <.005 0.010			0.05 0.06 0.06 0.05 0.04 0.05 0.05 0.04 0.08 0.06 0.06 0.05 0.05
		DIP TEST (corrected) at 239.88 m - 43 degrees at 334.37 m - 38 degrees									
		HOLE SHUT DOWN : NEARING DEPTH LIMIT OF DRILL									

Ref	North	East	RL	Azim	Dip	Length	Category	Remarks
8913	10959.44	9506.99	1119.54	90	60	334.37	Tedray	Section across Tedray with T89-12.14.16

FROM	Dist	WDTH	RQ	ROCKNAME	UNT	TXT	SI	QV	SE	CY	CH	EP	CB	GM	A1	A2	IN	PY	CP	SP	CC	NC	M1	M2	F
	15.24			OVERBURDEN																					
15.24	19	3.76	10	DCIT LPLL TUFF:		SHRD	5	2	40	1		3		5			65	10	.2		1				
19.00	22	3.00	10	.. FAULTED		SHRD	1	3	50	2		2		5			65	12	.2		.6				
22.00	25	3.00	10	.. FAULTED		SHRD	2	3	35	1		1		2			45	10	.1		.3				
25.00	28	3.00	13	.. FAULTED		SHRD	8	3	30			2		2			45	8	.7		.3				
28.00	31	3.00	13	.. FAULTED		SHRD	5	2	25			1		2			40	10	.3		.3				
31.00	34	3.00	26	.. FAULTED		SHRD	2	5	30	3		1		2			45	10	.5		.5				
34.00	37	3.00	12	.. FAULTED		SHRD	2	3	25	3		2		2			40	15	.3	.3	.3				
37.00	40	3.00	12	.. FAULTED		SHRD	3	5	25	2		2		2			40	12	.4	.2	.3				
40.00	43	3.00	10	.. FAULTED		SHRD	2	3	25	2		2		3			40	7	.2	.1	.3				
43.00	46	3.00	10	.. FAULTED		SHRD	3	5	30	2		1		1			45	8	.2	.1	.4				
46.00	48.5	2.50	13	.. FAULTED		SHRD	5	8	30	2		3		5			55	12	.2	.2	.1				
48.50	50.9	2.40	10	.. FAULTED		SHRD	3	5	35	2		2		2			50	12	.2	.1	.1				
50.90	54	3.10	42	DCIT LPLL TUFF		F.CG	12	5	35			2		3			60	10	2	.2	.5				
54.00	57	3.00	28	DCIT LPLL TUFF		F.CG	12	2	35		2	2		4			60	8	2	.3	.2				
57.00	60	3.00	31	DCIT LPLL TUFF		F.CG	12	2	40		1	3		5			65	10	1	.5					
60.00	63	3.00	11	DCIT LPLL TUFF		F.CG	18	2	40		3	2		5			80	15	2	1					
63.00	66	3.00	13	DCIT LPLL TUFF		F.CG	3	3	35		2	5		8			70	12	1	.8	1				
66.00	69	3.00	42	DCIT LPLL TUFF		F.CG	3	2	40		2	10		15	1		80	10	1	.3	.5				
69.00	72	3.00	31	DCIT LPLL TUFF		F.CG	1	4	30		1	8		12			65	10	.8		.3				
72.00	75	3.00	19	DCIT LPLL TUFF		F.CG	15	2	30		1	8		10			70	15	1	.3	.2				
75.00	78	3.00	20	DCIT LPLL TUFF		F.CG	35		20			4		7			90	18	5	1.5					
78.00	81	3.00	40	DCIT LPLL TUFF		F.CG	35		35		2	3		10			95	10	3	2					
81.00	84	3.00	38	DCIT LPLL TUFF		F.CG	40		35			1		7			95	12	2	1					
84.00	87	3.00	43	DCIT LPLL TUFF		F.CG	10	2	50		1	1		3			75	10	1	.2					
87.00	90	3.00	55	DCIT LPLL TUFF		F.CG		1	45		2			1			55	8	.8						
90.00	93	3.00	46	DCIT LPLL TUFF		F.CG		2	45		1		1				50	7	1	.2					
93.00	96	3.00	42	DCIT LPLL TUFF		F.CG		1	45								50	6	.4	.1					
96.00	99	3.00	36	DCIT LPLL TUFF		F.CG		3	40		1						50	6	.3	.1					
99.00	102	3.00	32	DCIT LPLL TUFF		F.CG		1	50		2						55	6	.3	.2					
102.00	105	3.00	29	DCIT LPLL TUFF		F.CG	2	2	45		3						55	8	.5	.2					
105.00	108	3.00	43	DCIT LPLL TUFF		F.CG	1	3	40		3						50	7	.8	.1					
108.00	111	3.00	33	DCIT LPLL TUFF		F.CG	2	2	50		2	1		1	1		65	9	1	.5					
111.00	114	3.00	41	DCIT LPLL TUFF		F.CG	3	2	40		5	1		5	3		75	12	1.5	.1					
114.00	117	3.00	57	DCIT LPLL TUFF		F.CG	5	2	35		5	1		3	4		60	10	1	.2					
117.00	120	3.00	47	DCIT LPLL TUFF		F.CG	2	2	45		2			1			55	7	.5	.1					
120.00	123	3.00	50	DCIT LPLL TUFF		F.CG	1	1	50		2				2		60	5	1						
123.00	126	3.00	52	DCIT LPLL TUFF		F.CG		1	55		2				3		65	7	.1		.1				
126.00	129	3.00	30	DCIT LPLL TUFF		F.CG	10	3	35		5	5		20	2		90	12	.4	.1					
129.00	132	3.00	42	DCIT LPLL TUFF		F.CG	20		20		8	3		25	3		90	13	1	.4					
132.00	135	3.00	43	DCIT LPLL TUFF		F.CG	15		30		8	2		15	1		85	12	.5	1					
135.00	138	3.00	37	DCIT LPLL TUFF		F.CG	5	2	50		5	1		3			65	9	.2	.6					
138.00	141	3.00	43	DCIT LPLL TUFF		F.CG		2	50		2				1		60	9	.2	.6					
141.00	144	3.00	27	DCIT LPLL TUFF		F.CG	5	2	50	3	2			3			70	9	.1	.3					
144.00	147	3.00	39	DCIT LPLL TUFF		F.CG	5	1	50	1	5			1			65	15	.5	.5					
147.00	150	3.00	41	DCIT LPLL TUFF		F.CG		2	45		8	2		3			65	12	.3	.1					
150.00	153	3.00	39	DCIT LPLL TUFF		F.CG	2	1	50		5		1		1		65	7	.1	.3					
153.00	156	3.00	55	DCIT LPLL TUFF		F.CG		2	40		5				1		50	4		.1					
156.00	159	3.00	41	DCIT LPLL TUFF		F.CG		1	35		7						45	5	.1	.1					
159.00	162	3.00	42	DCIT LPLL TUFF		F.CG	5	3	50		10						70	8	.8	.2					
162.00	165	3.00	47	DCIT LPLL TUFF		F.CG		1	65		3						70	7		.2					
165.00	168	3.00	46	DCIT LPLL TUFF		F.CG		2	60		2						65	7	.7	.3					

Ref	North	East	RL	Azim	Dip	Length	Category	Remarks
8913	10959.44	9506.99	1119.54	90	60	334.37	Tedray	Section across Tedray with T89-12.14.16

FROM	Dist	WDTH	RQ	ROCKNAME	UNT	TXT	SI	QV	SE	CY	CH	EF	CB	GM	A1	A2	IN	PY	CP	SP	CC	NC	Mi	M2	F
168.00	171	3.00	45	DCIT LPLL TUFF		F.CG		1	45		5				1		55	9	.2	.1					
171.00	174	3.00	56	DCIT LPLL TUFF		F.CG		2	45		3						55	7	.1	.1					
174.00	177	3.00	44	DCIT LPLL TUFF		F.CG	3	1	40		2				2		50	8	.1	.2					
177.00	180	3.00	34	DCIT LPLL TUFF		F.CG	2	2	45		2				2		55	9	.3	.3					
180.00	183	3.00	47	DCIT LPLL TUFF		F.CG		2	40		2						50	8	.2	.2					
183.00	186	3.00	37	DCIT LPLL TUFF		F.CG		3	40		3						50	8	.3	.2					
186.00	189	3.00	31	DCIT LPLL TUFF		F.CG	3	3	45		2	1		1	3		60	9	.3	.3					
189.00	192	3.00	36	DCIT LPLL TUFF		F.CG	6	1	45		2	1		3	3		70	15	.4	.5					
192.00	195	3.00	47	DCIT LPLL TUFF		F.CG	5	1	40		7	3		8	7		80	12	.3	.4					
195.00	198	3.00	47	DCIT LPLL TUFF		F.CG	5		40		7	3		8	2		80	15	.4	.6					
198.00	201	3.00	43	DCIT LPLL TUFF		F.CG	5	2	45		2	1		1	1		70	12	.7	1					
201.00	204	3.00	37	DCIT LPLL TUFF		F.CG	2	2	45		3				1		55	15	.1	.3					
204.00	207	3.00	41	DCIT LPLL TUFF		F.CG	5		40		5			1	2		55	10	.1	.3					
207.00	210	3.00	46	DCIT LPLL TUFF		F.CG	4	2	50		5				1		65	12		.1					
210.00	213	3.00	56	DCIT LPLL TUFF		F.CG	7		50		5						65	12	.1	.3					
213.00	216	3.00	56	DCIT LPLL TUFF		F.CG	10		40		7				1		65	12	.2	.5					
216.00	219	3.00	53	DCIT LPLL TUFF		F.CG	10		40		7	1		5			70	12	.5	1.5					
219.00	222	3.00	41	DCIT LPLL TUFF		F.CG	7		40		5	1		5			60	12	.5	1					
222.00	225	3.00	57	DCIT LPLL TUFF		F.CG	5	1	40		7			2	5		70	10	.1	.2					
225.00	227	2.00	53	DCIT LPLL TUFF		F.CG	7	2	35		7			2	7		65	9	.1	.2					
227.00	228.55	1.55	56	DCIT LPLL TUFF		F.CG	5		35		7			1	5		60	8	.2	.2					
228.55	229.48	0.93	67	ASH TUFF		F.CG		2	30		7		1				45	2		.1					
229.48	232.5	3.02	52	DCIT LPLL TUFF		F.CG	10	2	35		10	2		3	5		75	12	.1	.2					
232.50	235.5	3.00	44	DCIT LPLL TUFF		F.CG	8	3	30		15	3		3	5		75	9		.2					
235.50	238.4	2.90	46	DCIT LPLL TUFF		F.CG	7	1	35		12			3	5		70	8		.1					
238.40	239.5	1.10	25	ANDS DYKE		F.MG		3	15		5		3		5		35	.2							
239.50	242	2.50	47	DCIT LPLL TUFF		F.CG	15		30		10	1		1	5		70	10		.2					
242.00	245	3.00	44	DCIT LPLL TUFF		F.CG	20		30		10	1		1	5		70	9	.1	.5					
245.00	248	3.00	54	DCIT LPLL TUFF		F.CG	15		35		10	1		1	7		70	7	.1	.3					
248.00	251	3.00	36	DCIT LPLL TUFF		F.CG	87		45		7				7		75	7		.1					
251.00	254	3.00	34	DCIT LPLL TUFF		F.CG	5	2	50		7		1		3		75	7		.3					
254.00	257	3.00	41	DCIT LPLL TUFF		F.CG		3	50		7		2		5		75	5		.2					
257.00	258.75	1.75	47	ANDS DYKE		F.MG			15		5		3				30	.2							
258.75	262	3.25	51	DCIT ASH TUFF		F.MG	1	5	40		3		2		3		60	8		.5					
262.00	265	3.00	46	DCIT ASH TUFF		F.MG		3	35		5		2				45	9		.1					
265.00	268	3.00	61	DCIT ASH TUFF		F.MG		5	35		15		2				60	5		.2					
268.00	271	3.00	55	DCIT ASH TUFF		F.MG		3	40		5		1	1			55	8		.3					
271.00	274	3.00	52	DCIT ASH TUFF		F.MG		3	45		7		3				60	7		.1					
274.00	277	3.00	45	DCIT ASH TUFF		F.MG	2	3	35		10	2	1	7			70	7		.3					
277.00	280	3.00	43	DCIT ASH TUFF		F.MG	1	2	40		5	2		3			60	6		.2					
280.00	283	3.00	42	DCIT ASH TUFF		F.MG	5	2	40		7	2	1	3			65	12		.3					
283.00	286	3.00	60	DCIT ASH TUFF		F.MG	12	2	35		5	2	2	8			70	9		.4					
286.00	288	2.00	40	DCIT ASH TUFF		F.MG	20	3	30		5	3	1	15			80	8		.6					
288.00	290.5	2.50	37	DCIT ASH TUFF		F.MG	8	1	35		5	3	1	15			70	8		.3					
290.50	292.45	1.95	61	BASLT DYKE		F.MG	3		5		15		3				30	.1							
292.45	295	2.55	23	DCIT ASH TUFF		F.CG	10	2	30		10	5	3	15			80	10		.1					
295.00	298	3.00	58	DCIT ASH TUFF		F.CG	5	5	30		5	5	3	10			65	10							
298.00	301	3.00	62	DCIT ASH TUFF		F.CG	2	3	40		5	3	2	3			60	10		.3					
301.00	304	3.00	59	DCIT ASH TUFF		F.CG		3	35		3		2				50	8		.5					
304.00	307	3.00	53	DCIT ASH TUFF		F.CG		2	40		5	1	1	1			55	6		.1					
307.00	310	3.00	56	DCIT ASH TUFF		F.CG	2	2	30		2	8	3	3			55	7		.2					
310.00	313	3.00	60	DCIT ASH TUFF		F.CG	1	2	35		5	8	1	5			60	8		.1					

Ref	North	East	RL	Azim	Dip	Length	Category	Remarks
8913	10959.44	9506.99	1119.54	90	60	334.37	Tedray	Section across Tedray with T89-12.14,16

FROM	Dist	WDTH	RQ	ROCKNAME	UNT	TXT	SI	QV	SE	CY	CH	EP	CB	GM	A1	A2	IN	PY	CP	SP	CC	NC	M1	M2
F																								
313.00	316	3.00	64	DCIT ASH TUFF		F.CG		2	30		3	5	2	7			50	8		.1				
316.00	319	3.00	51	DCIT ASH TUFF		F.CG	2	2	35		2	5	2	5			55	8	.1	.2				
319.00	322	3.00	33	DCIT ASH TUFF		F.CG	6	2	30		3	5	3	5			60	7	.1	.7				
322.00	325	3.00	50	DCIT ASH TUFF		F.CG	2	2	30		2	7	2	5			55	6		.2				
325.00	328	3.00	59	DCIT ASH TUFF		F.CG		2	25		2	10	1	15			55	7		.2				
328.00	331	3.00	50	DCIT ASH TUFF		F.CG		2	25		2	10	2	15			55	8		.1				
331.00	334.37	3.37	31	DCIT ASH TUFF		F.CG		3	30			3	1	15			45	7						

-

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
● (604) 251-5656
● FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: B90584 AA JOB NUMBER: 890584 WESTERN CANADIAN MINING CORP.

SAMPLE #	Cu %	Au oz/st
14503	.10	.026
14504	.13	.018
14505	.19	.014
14506	.27	.012
14507	.22	.010
14508	.29	.010
14509	.27	.024
DETECTION LIMIT	.01	.005

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001I ppm = parts per million < = less than

signed: _____

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RENO, NEVADA, U.S.A.

SAMPLE #	Cu %	Au oz/st
14510	.29	.026
14511	.23	.018
14512	.30	.020
14513	.40	.022
14514	.27	.016
14515	.56	.018
14516	.56	.010
14517	.55	.010
14518	.61	.010
14519	.48	.012
14520	.41	.010
14521	.32	.016
14522	.46	.014
14523	1.83	.028
14524	.95	.020
14525	1.50	.024
14526	.45	.018
14527	.12	.010
14528	.10	<.005
14529	.10	.010
DETECTION LIMIT	.01	.005

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

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SAMPLE #	Cu %	Au oz/st
14530	.10	.006
14531	.13	.010
14532	.12	.018
14533	.17	<.005
14534	.16	.012
14535	.28	<.005
14536	.35	.020
14537	.18	.010
14538	.10	.010
14539	.11	.010
14540	.37	.006
14541	.60	.012
14542	.65	<.005
14543	.13	<.005
14544	.10	.014
14545	.16	.020
14546	.28	.016
14547	.17	.008
14548	.09	.010
14549	.05	<.005
DETECTION LIMIT	.01	.005

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

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SAMPLE #	Cu %	Au oz/st
14550	.10	.010
14551	.32	.010
14552	.10	.014
14553	.21	.018
14554	.15	.012
14555	.11	<.005
14556	.16	.010
14557	.18	.014
14558	.21	.006
14559	.20	<.005
14560	.18	.008
14561	.31	.012
14562	.27	<.005
14563	.20	.010
14564	.18	.006
14565	.15	<.005
14566	.10	<.005
14567	.13	.010
14568	.19	.006
14569	.35	<.005
DETECTION LIMIT	.01	.005

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

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SAMPLE #	Cu %	Au oz/st
14570	.44	<.005
14571	.64	.010
14572	.15	.010
14573	.28	.012
14574	.23	.010
14575	.02	<.005
14576	.27	.010
14577	.24	.010
14578	.18	.010
14579	.01	<.005
14580	.30	.006
14581	.21	.012
14582	.19	<.005
14583	.12	<.005
14584	.03	.006
14585	.03	.010
14586	.06	<.005
14587	.07	<.005
14588	.09	.008
14589	.09	<.005
DETECTION LIMIT	.01	.005

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

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SAMPLE #	Cu %	Au oz/st
14590	.08	.010
14591	.08	.010
14592	.07	<.005
14593	.05	<.005
14594	.06	.006
14595	.05	<.005
14596	.05	.010
14597	.04	<.005
14598	.01	<.005
14599	.06	<.005
14600	.05	.010
14601	.06	<.005
14602	.06	<.005
14603	.05	.010
14604	.04	.010
14605	.05	<.005
14606	.05	.006
14607	.04	.010
14608	.08	.012
14609	.06	<.005
DETECTION LIMIT	.01	.005

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

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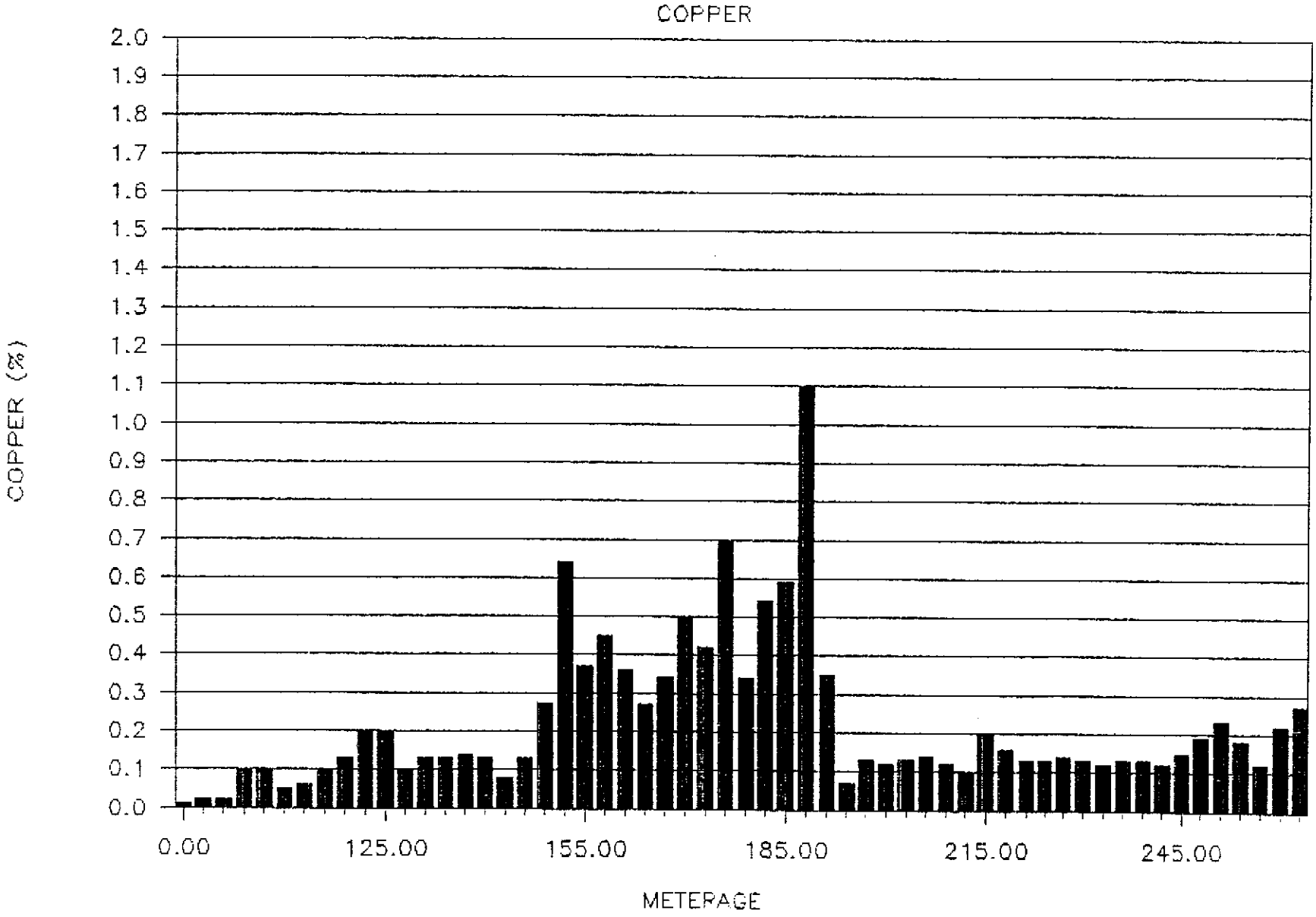
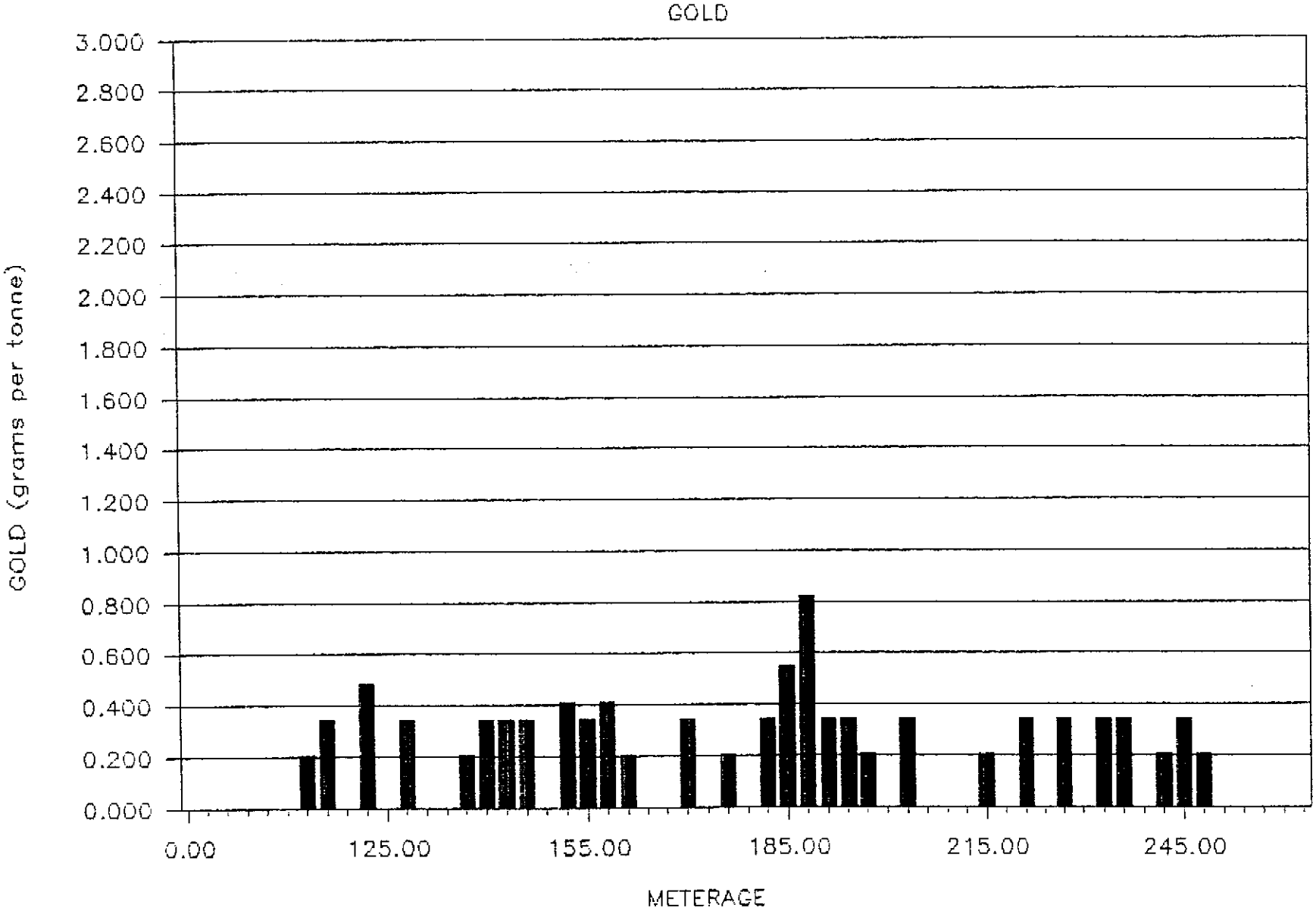
SAMPLE #	Cu %	Au oz/st
14610	.06	<.005
14611	.05	<.005
14612	.05	.010

T89-14


COPPER
COPPER (%)
2.0
1.9
1.8
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
0.00
125.00
155.00
185.00
215.00
245.00
METERAGE

T89-14


GOLD
3.000
2.800
2.600
2.400
2.200
2.000
1.800
1.600
1.400
1.200
1.000
0.800
0.600
0.400
0.200
0.000
GOLD (grams per tonne)
0.00
125.00
155.00
185.00
215.00
245.00
METERAGE

D.D. HOLE No. T-89-14

Location	TEDRAY	Collar Northing	10976.90 m
Date Started	August 28, 1989	Easting	9350.54 m
Date Completed	September 1, 1989	Elevation	1124.54 m
Core Recovery	98.25 %	Azimuth	090 Dip - 60 deg
Drilled By	J.T.Thomas Drilling	Length	266.99 m
Logged By	S.G. Casselman	Hor. Proj.	144.75 m
Objective	Test for B-zone extension onto Tedray property	Vert. Proj.	224.03 m
		Core Size	NQ

METRES From	METRES To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au ppb	Ag ppm	Cu ppm	Cu %
0	97.84	OVERBURDEN/FAULT ZONE - large interval of rubbley boulders and clay - upper portion is glacial till; however, lower portion could be from rubble zone - top 3 m of first box is recovered material from this zone	18151	0.00	97.84	2.70	3	<.005			0.16
97.84	266.99 E.O.H.	DACITIC VOLCANICLASTIC - overall light grey to lime green colour - green colour due to patchy and, in places pervasive epidote with some ankerite - distinctive of footwall volcanics - unit grades in and out of fine grained ash tuff and coarser lapilli tuff - generally ash tuff is fairly homogenous grey colour with less alteration; mainly sericite (up to 40-60% sericite) and less sulphide mineralization - coarser lapilli tuff is sericitized (25-40%) with epidote (3-15%), ankerite (1-10%) and usually containing more pyrite and traces of chalcopyrite and tennantite (dark blue-grey mineral) - 97.84-102.5: sericite schist/lapilli tuff - 102.5-111.0: lapilli tuff - 111.0-117.5: ash tuff - 117.5-123.8: lapilli tuff - 123.8-124.1: ash tuff - 124.1-206.0: lapilli tuff - at 156, have 50 cm grey-white quartz vein with 5% chalcopyrite and good	18152	97.84	101.00	3.16	103	<.005			0.01
			18153	101.00	104.00	3.00	98	<.005			0.02
			18154	104.00	107.00	3.00	73	<.005			0.02
			18155	107.00	110.00	3.00	87	<.005			0.10
			18156	110.00	113.00	3.00	96	<.005			0.10
			18157	113.00	116.00	3.00	95	<.005			0.05
			18158	116.00	119.00	3.00	97	0.006			0.06
			18159	119.00	122.00	3.00	100	0.010			0.10
			18160	122.00	125.00	3.00	98	<.005			0.13
			18161	125.00	128.00	3.00	99	0.014			0.20
			18162	128.00	131.00	3.00	100	<.005			0.20
			18163	131.00	134.00	3.00	99	0.010			0.10
			18164	134.00	137.00	3.00	100	<.005			0.13
			18165	137.00	140.00	3.00	99	<.005			0.13
			18166	140.00	143.00	3.00	96	0.006			0.14
			18167	143.00	146.00	3.00	100	0.010			0.13
			18168	146.00	149.00	3.00	100	0.010			0.08
			18169	149.00	152.00	3.00	96	0.010			0.13
			18170	152.00	155.00	3.00	100	<.005			0.27
			18171	155.00	158.00	3.00	98	0.012			0.64
			18172	158.00	161.00	3.00	010	0.010			0.37
			18173	161.00	164.00	3.00	100	0.012			0.45
			18174	164.00	167.00	3.00	98	0.006			0.36
			18175	167.00	170.00	3.00	97	<.005			0.27
			18176	170.00	173.00	3.00	100	<.005			0.34

METRES From	To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au ppb	Ag ppm	Cu ppm	Cu %
		tennantite crystals (5%)	18177	173.00	176.00	3.00	96	0.010			0.50
		- from 156.0 to 182.5 have 5-10% silici-	18178	176.00	179.00	3.00	96	<.005			0.42
		fied bands (blue-grey)	18179	179.00	182.00	3.00	99	0.006			0.70
		- blue grey; 10-20% pyrite; trace to 5%	18180	182.00	185.00	3.00	100	<.005			0.34
		chalcopyrite and tennantite	18181	185.00	188.00	3.00	95	0.010			0.54
		- gradational contact between lapilli	18182	188.00	191.00	3.00	102	0.016			0.59
		tuff and crystal tuff at 206 m	18183	191.00	194.00	3.00	93	0.024			1.10
		- 206-266.99 (EOH): fine to medium	18184	194.00	197.00	3.00	93	0.010			0.35
		grained crystal tuff	18185	197.00	200.00	3.00	103	0.010			0.07
		- crystals of plagioclase (sericite) and	18186	200.00	203.00	3.00	98	0.006			0.13
		hornblende (chlorite) up to 2 mm long	18187	203.00	206.00	3.00	98	<.005			0.12
		- fairly homogeneous light to medium grey	18188	206.00	209.00	3.00	101	0.010			0.13
		green with traces of chalcopyrite and	18189	209.00	212.00	3.00	99	<.005			0.14
		5-8% pyrite	18190	212.00	215.00	3.00	99	<.005			0.12
		- chalcopyrite occurs mainly on fracture	18191	215.00	218.00	3.00	99	<.005			0.10
		surfaces	18192	218.00	221.00	3.00	102	0.006			0.20
		- towards bottom of hole, crystal tuff	18193	221.00	224.00	3.00	98	<.005			0.16
		texture becomes well pronounced as core	18194	224.00	227.00	3.00	100	0.010			0.13
		is much less altered	18195	227.00	230.00	3.00	100	<.005			0.13
		- S.G. at 100.00 m - 2.90 g/cc	18196	230.00	233.00	3.00	99	0.010			0.14
		110.00 m - 2.85 g/cc	18197	233.00	236.00	3.00	100	<.005			0.13
		120.00 m - 2.87 g/cc	18198	236.00	239.00	3.00	100	0.010			0.12
		130.00 m - 2.90 g/cc	18199	239.00	242.00	3.00	100	0.010			0.13
		140.00 m - 2.86 g/cc	18200	242.00	245.00	3.00	97	<.005			0.13
		150.00 m - 2.90 g/cc	18201	245.00	248.00	3.00	100	0.006			0.12
		160.00 m - 2.85 g/cc	18202	248.00	251.00	3.00	102	0.010			0.15
		170.00 m - 2.95 g/cc	18203	251.00	254.00	3.00	100	0.006			0.19
		180.00 m - 3.01 g/cc	18204	254.00	257.00	3.00	102	<.005			0.23
		190.00 m - 2.95 g/cc	18205	257.00	260.00	3.00	98	<.005			0.18
		200.00 m - 2.81 g/cc	18206	260.00	263.00	3.00	101	<.005			0.12
		210.00 m - 2.88 g/cc	18207	263.00	266.99	3.99	100	<.005			0.22
		220.00 m - 2.87 g/cc									
		230.00 m - 2.84 g/cc									
		240.00 m - 2.83 g/cc									
		250.00 m - 2.82 g/cc									
		260.00 m - 2.86 g/cc									
		266.99 m - 2.83 g/cc									
		- average S.G. = 2.88 g/cc									
		DIP TEST (corrected)									
		at 169.47 m - 58 degrees									
		at 248.72 m - 54 degrees									
		HOLE SHUT DOWN									

Ref	North	East	RL	Azim	Dip	Length	Category	Remarks
8914	10976.90	9350.54	1124.54	90	60	266.99	Tedray	Section across Tedray with T89-12,13,16

FROM	Dist	WDTH	RQ	ROCKNAME	UNT	TXT	SI	OV	SE	CY	CH	EP	CB	GM	A1	A2	IN	PY	CP	SF	CC	NC	M1	M2
F																								
	97.84			OVBDN\FAULT																				
97.84	101	3.16	41	DCIT LPLL TUFF		F.CG	5	2	50		2			1			75	8	.2					
101	104	3.00	43	DCIT LPLL TUFF		F.CG	3	1	60		3	1	1	5			75	6	.2					
104	107	3.00	19	DCIT LPLL TUFF		F.CG	6	3	40		2	3	1	5			65	6	.2	.1				
107	110	3.00	18	DCIT LPLL TUFF		F.CG	4		40		1			2			50	7	.1	.3				
110	113	3.00	43	DCIT LPLL TUFF		F.CG	1	3	35		1	2		3			50	8	.2	.3				
113	116	3.00	40	DCIT LPLL TUFF		F.CG		5	40		1	3		8			60	5		.1				
116	119	3.00	40	DCIT LPLL TUFF		F.CG	2	1	40		3	4		8			60	5	.2	.3				
119	122	3.00	40	DCIT LPLL TUFF		F.CG	7		40			4		4			60	8	.3	.3				
122	125	3.00	43	DCIT LPLL TUFF		F.CG	10	2	40		2	7	1	3			65	10	.2	.1				
125	128	3.00	46	DCIT LPLL TUFF		F.CG	10		25		1	10		3			50	9	.4	.1				
128	131	3.00	57	DCIT LPLL TUFF		F.CG	8	3	25			15	1	5			60	8	.4					
131	134	3.00	56	DCIT LPLL TUFF		F.CG	5	3	30			18	2	7			70	8	.2	.1				
134	137	3.00	59	DCIT LPLL TUFF		F.CG	3	5	35		1	15	3	5			70	9	.2	.3				
137	140	3.00	50	DCIT LPLL TUFF		F.CG	8	3	35		2	10	5	4			70	9		.3				
140	143	3.00	58	DCIT LPLL TUFF		F.CG	7	3	30		3	7	2	7			65	9	.5	.3				
143	146	3.00	60	DCIT LPLL TUFF		F.CG	3	1	35		2	10	1	7			60	7	.1					
146	149	3.00	42	DCIT LPLL TUFF		F.CG	1	2	25		1	20	1	7	1		60	9						
149	152	3.00	39	DCIT LPLL TUFF		F.CG	5	2	35			8	3	5			60	9		.1				
152	155	3.00	57	DCIT LPLL TUFF		F.CG	5	1	30			10	1	10	1		60	9		.1				
155	158	3.00	62	DCIT LPLL TUFF		F.CG	15	2	30		1	7	2	10	1		75	12	1	.1				
158	161	3.00	48	DCIT LPLL TUFF		F.CG	8		30		2	7	2	12	1		65	10	1	.5				
161	164	3.00	38	DCIT LPLL TUFF		F.CG	5		40		2	5	2	7			65	10	1	.1				
164	167	3.00	57	DCIT LPLL TUFF		F.CG	5	2	30			25	1	15	1		80	8	.2					
167	170	3.00	48	DCIT LPLL TUFF		F.CG	10		20		1	15	1	15	1		65	9	.3					
170	173	3.00	25	DCIT LPLL TUFF		F.CG	10		25		2	12	1	20			75	10	.2	.2				
173	176	3.00	41	DCIT LPLL TUFF		F.CG	20		30		5	5		10	1		75	9	.7	1.5				
176	179	3.00	52	DCIT LPLL TUFF		F.CG	10		40		5	5	1	8	1		75	10	.5	.3				
179	182	3.00	57	DCIT LPLL TUFF		F.CG	12		35		5	5	1	10	2		70	12	.5	.2				
182	185	3.00	51	DCIT LPLL TUFF		F.CG	5		20		5	20		15			70	9	.2	.1				
185	188	3.00	44	DCIT LPLL TUFF		F.CG	5		25		2	8		8	2		55	8	.1	.1				
188	191	3.00	55	DCIT LPLL TUFF		F.CG	5		30		3	7		5	2		55	8	.8	.2				
191	194	3.00	34	DCIT LPLL TUFF		F.CG	10		35		3	5		8	2		65	8	.5	.2				
194	197	3.00	43	DCIT LPLL TUFF		F.CG	5		40		3	2		1	3		60	8	.4	.3				
197	200	3.00	48	DCIT LPLL TUFF		F.CG	3	1	40		7	2		2	5		65	10	.2	.3				
200	203	3.00	39	DCIT LPLL TUFF		F.CG	5	1	35		10	1		1	3		65	5	.2					
203	206	3.00	55	DCIT LPLL TUFF		F.CG	3	1	40		8				5		60	6	.2					
206	209	3.00	50	DCIT LPLL TUFF		F.CG	4	1	35		6				10		80	6	.4					
209	212	3.00	56	DCIT LPLL TUFF		F.CG	5		40		5				1		55	8	.3					
212	215	3.00	55	DCIT LPLL TUFF		F.CG	5	1	45		7				1		60	5	.1					
215	218	3.00	50	DCIT LPLL TUFF		F.CG	5		40		7				1		55	6	.2					
218	221	3.00	55	DCIT LPLL TUFF		F.CG	5		45		7				1		60	5	.2					
221	224	3.00	49	DCIT LPLL TUFF		F.CG	5		45		7				2		60	5	.2	.2				
224	227	3.00	50	DCIT LPLL TUFF		F.CG	2		40		4		1				50	7	.1	.1				
227	230	3.00	56	DCIT LPLL TUFF		F.CG	3	1	40		8		1				55	5	.3					
230	233	3.00	62	DCIT LPLL TUFF		F.CG	5		40		5						50	6	.1					
233	236	3.00	41	DCIT LPLL TUFF		F.CG	5		45		5				5		65	10	.4					
236	239	3.00	50	DCIT LPLL TUFF		F.CG	4	2	40		7				5		60	5	.3					
239	242	3.00	54	DCIT LPLL TUFF		F.CG	4	2	40		8		1		5		70	5	.2					
242	245	3.00	48	DCIT LPLL TUFF		F.CG	1	2	45		8				1		60	7	.2					
245	248	3.00	42	DCIT LPLL TUFF		F.CG	3	10	40		7		1		1		65	5	.3					
248	251	3.00	48	DCIT LPLL TUFF		F.CG	3	2	35		7		1		2		55	4	.2					

Ref	North	East	RL	Azim	Dip	Length	Category	Remarks
8914	10976.90	9350.54	1124.54	90	60	266.99	Tedray	Section across Tedray with T89-12.13,16

FROM	Dist	WDTH	RQ	ROCKNAME	UNT	TXT	SI	QV	SE	CY	CH	EP	CB	GM	A1	A2	IN	PY	CP	SP	CC	NC	M1	M2
F																								
251	254	3.00	48	DCIT LPLL TUFF		F.CG	3	2	35		5				2		50	7	.3					
254	257	3.00	47	DCIT LPLL TUFF		F.CG	3	2	45		7		1		3		65	9	.5					
257	260	3.00	60	DCIT LPLL TUFF		F.CG	4	3	50		5				5		70	9	.5					
260	263	3.00	51	DCIT LPLL TUFF		F.CG	2	3	30		10		1		3		50	7	.2					
263	265	2.00	51	DCIT LPLL TUFF		F.CG	2	2	35		15				1		60	6	.1					
265	266.99	1.99	49	DCIT LPLL TUFF		F.CG	2	2	30		5				2		45	9	.3					

-

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
• (604) 251-5656
• FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

SAMPLE #	Cu %	Au oz/st
18151	.16	<.005
18152	.01	<.005
18153	.02	<.005
18154	.02	<.005
18155	.10	<.005
18156	.10	<.005
18157	.05	<.005
18158	.06	.006
18159	.10	.010
18160	.13	<.005
18161	.20	.014
18162	.20	<.005
18163	.10	.010
18164	.13	<.005
18165	.13	<.005
18166	.14	.006
18167	.13	.010
DETECTION LIMIT	.01	.005

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

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MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

SAMPLE #	Cu %	Au oz/st
18168	.08	.010
18169	.13	.010
18170	.27	<.005
18171	.64	.012
18172	.37	.010
18173	.45	.012
18174	.36	.006
18175	.27	<.005
18176	.34	<.005
18177	.50	.010
18178	.42	<.005
18179	.70	.006
18180	.34	<.005

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BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 890639 AA JOB NUMBER: 890639 WESTERN CANADIAN MINING CORP.

SAMPLE #	Cu %	Au oz/st
18181	.54	.010
18182	.59	.016
18183	1.10	.024
18184	.35	.010
18185	.07	.010
18186	.13	.006
18187	.12	<.005
18188	.13	.010
18189	.14	<.005
18190	.12	<.005
18191	.10	<.005
18192	.20	.006
18193	.16	<.005
18194	.13	.010
18195	.13	<.005
18196	.14	.010
18197	.13	<.005
18198	.12	.010
18199	.13	.010
18200	.13	<.005
DETECTION LIMIT	.01	.005

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

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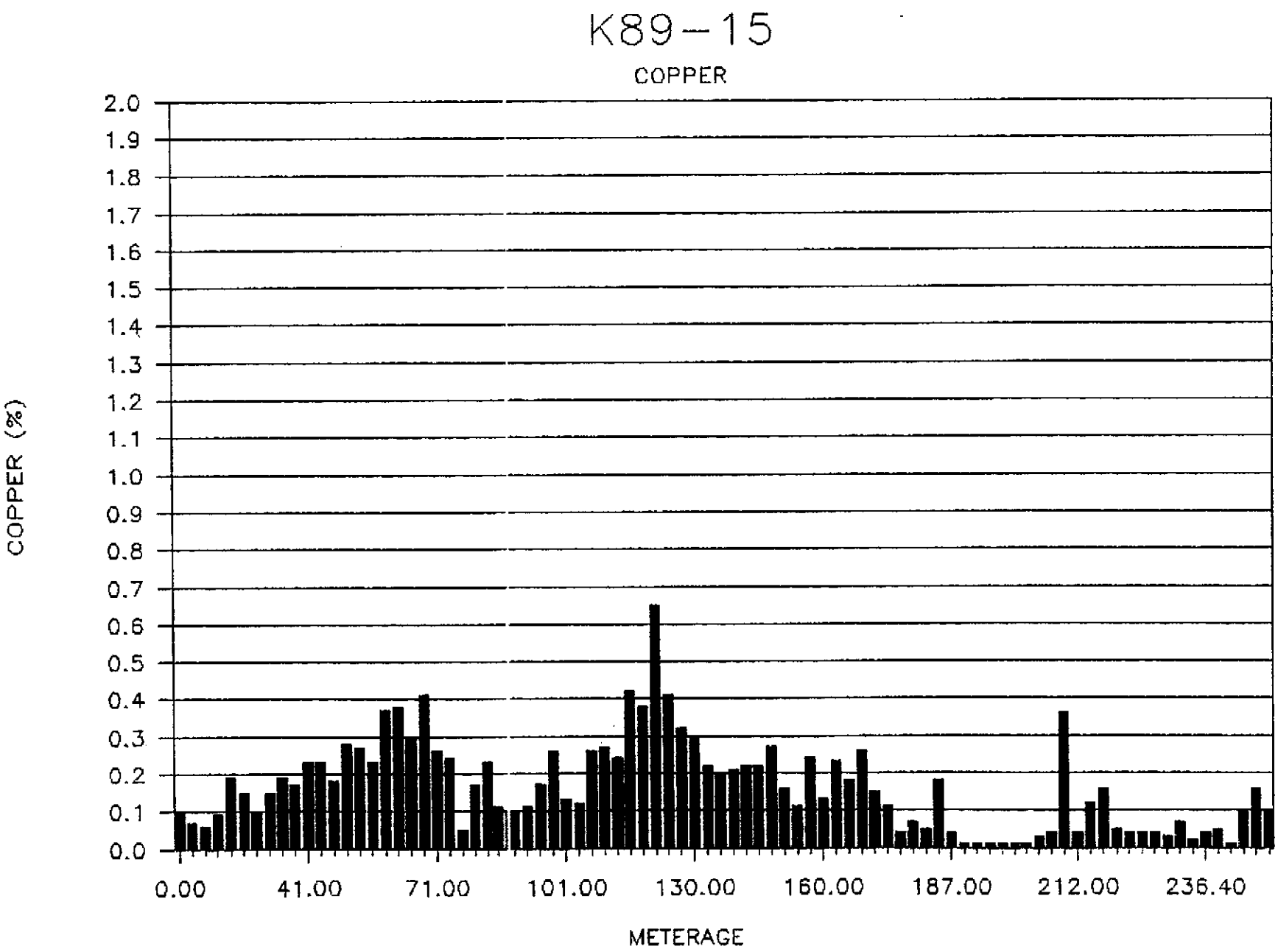
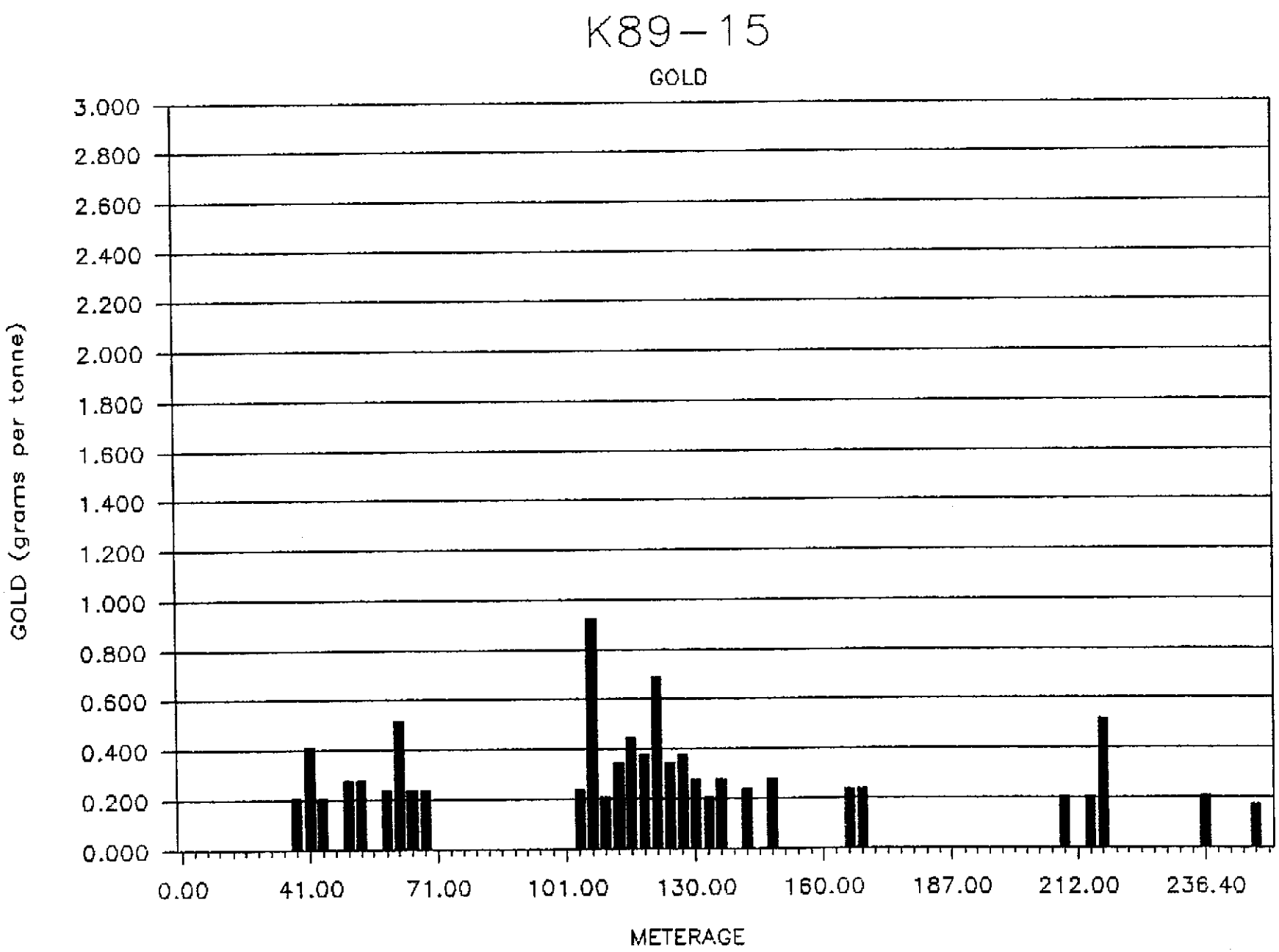
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

SAMPLE #	Cu %	Au oz/st
18201	.12	.006
18202	.15	.010
18203	.19	.006
18204	.23	<.005
18205	.18	<.005
18206	.12	<.005
18207	.22	<.005
18208	.27	<.005


K89-15
COPPER
COPPER (%)
2.0
1.9
1.8
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
0.00
41.00
71.00
101.00
130.00
160.00
187.00
212.00
236.40
METERAGE


K89-15
GOLD
GOLD (grams per tonne)
3.000
2.800
2.600
2.400
2.200
2.000
1.800
1.600
1.400
1.200
1.000
0.800
0.600
0.400
0.200
0.000
0.00
41.00
71.00
101.00
130.00
160.00
187.00
212.00
236.40
METERAGE

D.D. HOLE No. T-89-15 PAGE: 1 of 5

Location	west of K89-5	Collar Northing	10325.38 m
Date Started	September 1, 1989	Easting	9469.85 m
Date Completed	September 5, 1989	Elevation	1374.76 m
Core Recovery	94.34 %	Azimuth	000 Dip -90 deg.
Drilled By	J.T.Thomas Drilling	Length	252.07 m
Logged By	S.G. Casselman	Hor. Proj.	19.72 m
Objective	Test for B-zone down-dip (west) from hole K89-5	Vert. Proj.	250.52 m
		Core Size	BQ

METRES From	To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au ppb	Ag ppm	Cu ppm	Cu %
0	13.72	OVERBURDEN									
13.72	106.65	DACITE TUFF/SERICITE SCHIST	14613	13.72	17.00	3.28	73	<.005			0.10
		- medium to dark grey-green	14614	17.00	20.00	3.00	98	<.005			0.07
		- intensely sericitized dacitic volcanics	14615	20.00	23.00	3.00	87	<.005			0.06
		- mainly composed of ash to fine crystal	14616	23.00	26.00	3.00	101	<.005			0.09
		tuff	14617	26.00	29.00	3.00	91	<.005			0.19
		- top 3 m is quite schistose and	14618	29.00	32.00	3.00	94	<.005			0.15
		sericitic	14619	32.00	35.00	3.00	92	<.005			0.10
		- from 2-7% silicification with 1% quartz	14620	35.00	38.00	3.00	100	<.005			0.15
		veining	14621	38.00	41.00	3.00	95	<.005			0.19
		- top 3 cm contains 1-3% limonite clay	14622	41.00	44.00	3.00	99	0.006			0.17
		along fracture planes (weathering)	14623	44.00	47.00	3.00	96	0.012			0.23
		- contains 1-10% chlorite	14624	47.00	50.00	3.00	94	0.006			0.23
		- chlorite generally occurs in greater	14625	50.00	53.00	3.00	96	<.005			0.18
		abundance within crystal tuff sections	14626	53.00	56.00	3.00	92	0.008			0.28
		- from 13.72 to 46.0 m, core is ash tuff	14627	56.00	59.00	3.00	99	0.008			0.27
		with occasional lapilli size fragments	14628	59.00	62.00	3.00	99	<.005			0.23
		- from 46.0 to 63.5 m, core is crystal	14629	62.00	65.00	3.00	91	0.007			0.37
		tuff with crystals up to 2 mm long	14630	65.00	68.00	3.00	99	0.015			0.38
		(plagioclase and hornblende) in a fine-	14631	68.00	71.00	3.00	55	0.007			0.30
		grained matrix	14632	71.00	74.00	3.00	97	0.007			0.41
		- interval contains traces to 1% chalco-	14633	74.00	77.00	3.00	88	<.005			0.26
		pyrite as occasional specks, usually in	14634	77.00	80.00	3.00	79	<.005			0.24
		quartz veins or silicified patches and in	14635	80.00	83.00	3.00	95	<.005			0.05
		massive pyrite-chalcopyrite veins	14636	83.00	86.00	3.00	98	<.005			0.17
		- traces to .5% tennantite in quartz	14637	86.00	89.00	3.00	101	<.005			0.23
		veins and silicified patches	14638	89.00	92.00	3.00	97	<.005			0.11
		- tennantite usually associated with	14639	92.00	95.00	3.00	98	<.005			0.10
		chalcopyrite or pyrite	14640	95.00	98.00	3.00	96	<.005			0.11
		- contains 7-13% pyrite as fine dissemi-	14641	98.00	101.00	3.00	95	<.005			0.17
		nations and 1 mm to 1 cm veins	14642	101.00	104.00	3.00	94	<.005			0.26
		- interval is fairly competent: average	14643	104.00	106.65	2.65	97	<.005			0.13

METRES From	METRES To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au ppb	Ag ppm	Cu ppm	Cu %
		piece is 20-40 cm long - fractures at 55 degrees to C.A. - from 63.5 to 69.2, core is quite fractured, possibly a minor fault; average piece is 10-15 cm long - core is also well foliated, sericitized and silicified - from 69.2 to 72.5, get back into crystal tuff - from 72.5 to 106.65, have ash tuff with occasional lapilli fine fragments - quite sericitized with weak foliation at 25 degrees to C.A. - traces of chalcopyrite and tennantite - S.G. at 15.00 m - 2.87 g/cc 25.00 m - 2.80 g/cc 35.00 m - 2.94 g/cc 45.00 m - 2.93 g/cc 55.00 m - 2.86 g/cc 65.00 m - 2.89 g/cc 75.00 m - 2.95 g/cc 85.00 m - 2.88 g/cc 95.00 m - 2.88 g/cc 105.00 m - 3.61 g/cc - average S.G. = 2.96 g/cc									
106.65	109.60	FAULT ZONE/QUARTZ-SERICITE-PYRITE SCHIST - light grey colour - intensely sheared and foliated with 25% sericitic gouge - rock type similar to above and below; however, much more sheared and fractured - 15% quartz stringers and silicification with 7% pyrite and traces of chalcopyrite and tennantite - foliation and fractures at a high angle to the core axis (15 degrees)	14644	106.65	109.60	2.95	69	0.007			0.12
109.6	180.0	DACITIC VOLCANICLASTICS/QUARTZ-SERICITE SCHIST - similar to dacite ash tuff above fault zone - light grey colour - slightly sheared and shistose for top 6 m, becoming less foliated beyond that point - intensely sericitized (60-65%) with patchy silicification (3-15%)	14645	109.60	112.00	2.40	91	0.027			0.26
			14646	112.00	115.00	3.00	81	0.006			0.27
			14647	115.00	118.00	3.00	104	0.010			0.24
			14648	118.00	121.00	3.00	98	0.013			0.42
			14649	121.00	124.00	3.00	96	0.011			0.38
			14650	124.00	127.00	3.00	98	0.020			0.65
			14651	127.00	130.00	3.00	97	0.010			0.41
			14652	130.00	133.00	3.00	97	0.011			0.32
			14653	133.00	136.00	3.00	99	0.008			0.30
			14654	136.00	139.00	3.00	96	0.006			0.22

METRES From	METRES To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au ppb	Ag ppm	Cu ppm	Cu %
		- contains traces to .8% chalcopyrite and traces of tennantite - 8-15% pyrite as fine disseminations and up to 1 cm wide veins - fairly competent: average piece 30-50 cm long - fractured at 20-40 degrees to C.A. - at 126.5 m, have 10 cm massive pyrite-chalcopyrite vein - fairly homogeneous light grey tuff from 109.6 to 180.0, with pyrite stringers and occasional specks of chalcopyrite and rare tennantite and chalcocite - from 160.5 to 164.5, schist has 25% dark green, chloritic spots - from 164.5 to 165.0, core is quite fractured at 30 degrees to C.A: average piece 1-3 cm wide - calcite content picks up from 154.0 to 180.0 m (2-7%) - S.G. at 115.00 m - 2.85 g/cc 125.00 m - 2.86 g/cc 135.00 m - 2.79 g/cc 145.00 m - 2.84 g/cc 155.00 m - 2.81 g/cc 165.00 m - 2.80 g/cc 175.00 m - 2.89 g/cc - average S.G. = 2.83 g/cc	14655	139.00	142.00	3.00	89	0.008			0.20
			14656	142.00	145.00	3.00	98	<.005			0.21
			14657	145.00	148.00	3.00	98	0.007			0.22
			14658	148.00	151.00	3.00	99	<.005			0.22
			14659	151.00	154.00	3.00	96	0.008			0.27
			14660	154.00	157.00	3.00	103	<.005			0.16
			14661	157.00	160.00	3.00	97	<.005			0.11
			14662	160.00	163.00	3.00	95	<.005			0.24
			14663	163.00	166.00	3.00	91	<.005			0.13
			14664	166.00	169.00	3.00	95	<.005			0.23
			14665	169.00	172.00	3.00	93	0.007			0.18
			14666	172.00	175.00	3.00	99	0.007			0.26
			14667	175.00	178.00	3.00	94	<.005			0.15
			14668	178.00	180.00	2.00	96	<.005			0.11
180.0	181.05	ANDESITE DYKE - light grey green colour with 15% milky white quartz-calcite veins at 60 degrees to C.A. - slightly bleached dyke, especially at contacts for 10 cm - slightly sericitic and chloritic - no visible copper mineralization - trace of pyrite - contacts at 30 degrees to C.A. - slightly fractured;average piece 10-20 cm long	14669	180.00	181.05	1.05	85	<.005			0.04

METRES From	To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au ppb	Ag ppm	Cu ppm	Cu %
181.05	191.35	DACITE TUFF/SERICITE SCHIST - as in tuff from 109.6 to 180.0 - light grey; slightly schistose - intensely sericitized (55-65%) with 5-20% elongated chlorite spots - chlorite spots are 1 to 3 mm long and believed to be altered fine lapilli or mafic crystals - tuff is gradational between crystal and lapilli tuff - slight fabric developed at 40 degrees to C.A. - contains 7% disseminated pyrite and traces of chalcopyrite and tennantite - S.G. at 185.00 m - 3.14 g/cc	14670	181.05	184.00	2.95	89	<.005			0.07
			14671	184.00	187.00	3.00	100	<.005			0.05
			14672	187.00	189.00	2.00	95	<.005			0.18
			14673	189.00	191.35	2.35	97	<.005			0.04
191.35	206.70	ANDESITE DYKE - as in dyke from 180.0 to 181.05 m - light green colour, with 15% milky white quartz-calcite veins, with patches of light orange siderite - traces of pyrite - weak to moderate chloritization and and sericitization - contacts at 20 degrees to C.A. - S.G. at 195.00 m - 2.71 g/cc 205.00 m - 2.80 g/cc - average S.G. = 2.75 g/cc	14674	191.35	194.00	2.65	95	<.005			0.01
			14675	194.00	197.00	3.00	93	<.005			0.01
			14676	197.00	200.00	3.00	98	<.005			0.01
			14677	200.00	203.00	3.00	87	<.005			0.01
			14678	203.00	205.00	2.00	86	<.005			0.01
			14679	205.00	206.70	1.70	100	<.005			0.01
206.7	234.8	DACITE CRYSTAL LAPILLI TUFF - as in above tuff intervals - light grey colour with 5-10% chloritized elongated spots (1-3 mm) - 5-8% quartz-calcite veining - at 212.1 m, have a 30 cm quartz-chalcopyrite-pyrite-tennantite-calcite vein with 25% chalcopyrite and 5% tennantite - traces of chalcopyrite and tennantite throughout interval - 5-10% disseminated pyrite - intensely sericitized (50-60%) and moderately chloritized (5-15%) - S.G. at 215.00 m - 2.86 g/cc 225.00 m - 2.90 g/cc - average S.G. = 2.88 g/cc	14680	206.70	209.00	2.30	98	<.005			0.03
			14681	209.00	212.00	3.00	99	<.005			0.04
			14682	212.00	215.00	3.00	93	0.006			0.36
			14683	215.00	218.00	3.00	97	<.005			0.04
			14684	218.00	221.00	3.00	98	0.006			0.12
			14685	221.00	224.00	3.00	96	0.015			0.16
			14686	224.00	227.00	3.00	95	<.005			0.05
			14687	227.00	230.00	3.00	95	<.005			0.04
			14688	230.00	233.00	3.00	98	<.005			0.04
			14689	233.00	234.80	1.80	99	<.005			0.04

METRES From	To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au ppb	Ag ppm	Cu ppm	Cu %
234.8	235.4	ANDESITE DYKE - as in above dykes - light to medium grey-green, very fine grained - 5% quartz-calcite veins - no visible copper mineralization - contacts at 50 degrees to C.A; 1 cm chill margin - S.G. at 235.00 m - 2.87 g/cc	14690	234.80	235.40	0.60	95	<.005			0.03
235.4	236.4	DACITE CRYSTAL LAPILLI TUFF - as in section 206.7 to 234.8	14691	235.40	236.40	1.00	94	<.005			0.07
236.4	236.9	ANDESITE DYKE - as in 234.8 to 235.4 m - contacts at 30 degrees to C.A.	14692	236.40	236.90	0.50	92	<.005			0.02
236.9	242.7	DACITE CRYSTAL LAPILLI TUFF - as in 206.7 to 234.8 and 235.4 to 236.4 - traces of chalcopyrite and tennantite - 8% disseminated pyrite	14693 14694	236.90 239.60	239.60 242.70	2.70 3.10	107 82	0.006 <.005			0.04 0.05
242.7 to	243.7	ANDESITE DYKE - as in above dykes - 7% quartz-calcite veins - no visible copper mineralization - contacts at 50 degrees to C.A.	14695	242.70	243.70	1.00	99	<.005			0.01
243.7	252.07 E.O.H.	DACITE CRYSTAL LAPILLI TUFF - as in above dacite crystal lapilli tuff - 7% quartz-calcite-pyrite veins with traces of chalcopyrite and tennantite - 9% disseminated pyrite - S.G. at 245.00 m - 2.90 g/cc 252.07 m - 2.96 g/cc - average S.G. = 2.93 g/cc DIP TEST (corrected) at 252.07 m - 81 degrees HOLE SHUT DOWN	14696 14697 14698	243.70 246.00 249.00	246.00 249.00 252.07	2.30 3.00 3.07	97 97 96	<.005 0.005 <.005			0.10 0.16 0.10

Ref	North	East	RL	Azim	Dip	Length	Category	Remarks
8915	10325.38	9469.85	1374.76	000	90	252.07	P-zone	West of K89-5, section across B-zone at P-zone

FROM	Dist	WDTH	RQ	ROCKNAME	UNT	TXT	SI	QV	SE	CY	CH	EP	CB	GM	A1	A2	IN	PY	CP	SP	CC	NC	M1	M2
F																								
	13.72			OVERBURDEN																				
13.72	17	3.28	8	DAC TUF\SER SCH		SHRD	2	3	65	3	2			1			85	10			.3			
17.00	20	3.00	47	DAC TUF\SER SCH		SHRD	8	1	65	2				1			80	13			.1			
20.00	23	3.00	37	DAC TUF\SER SCH		SHRD	7		65	1	1			1			80	12	.3	.1	.2			
23.00	26	3.00	40	DAC TUF\SER SCH		SHRD	3	1	65	1	2						75	8	.4		.1			
26.00	29	3.00	28	DAC TUF\SER SCH		SHRD	2	1	65		1						75	10	.8	.2	.1			
29.00	32	3.00	37	DAC TUF\SER SCH		SHRD	7	2	65		1						80	10	1	.3	.2			
32.00	35	3.00	39	DAC TUF\SER SCH		SHRD	7	1	65		1						75	8	.1	.3				
35.00	38	3.00	53	DAC TUF\SER SCH		SHRD	2		65								70	9		.1				
38.00	41	3.00	50	DAC TUF\SER SCH		SHRD	3		65	1	3						75	8	.6	.3				
41.00	44	3.00	46	DAC TUF\SER SCH		SHRD	3		65		5				1		75	9	.3	.1				
44.00	47	3.00	60	DAC TUF\SER SCH		SHRD	5	1	60		8						75	8	.5	.3				
47.00	50	3.00	46	DAC TUF\SER SCH		SHRD	7		65		5						80	10	.2	.5				
50.00	53	3.00	41	DAC TUF\SER SCH		SHRD	2	1	55		10						70	8	.4	.2				
53.00	56	3.00	39	DAC TUF\SER SCH		SHRD	5	1	60	2	10						85	8	.5	.2				
56.00	59	3.00	45	DAC TUF\SER SCH		SHRD	3	1	65		7						80	8	.5					
59.00	62	3.00	36	DAC TUF\SER SCH		SHRD	5	2	65		3						75	7	.4	.1				
62.00	65	3.00	29	DAC TUF\SER SCH		SHRD	5	2	70		1		3				85	12	.2		.1			
65.00	68	3.00	20	DAC TUF\SER SCH		SHRD	8	10	55		3		2				85	12	.8	.1				
68.00	71	3.00	9	DAC TUF\SER SCH		SHRD	5	2	55		10		2				75	6	.2					
71.00	74	3.00	21	DAC TUF\SER SCH		SHRD	2	5	60		8		2				80	7	.3					
74.00	77	3.00	32	DAC TUF\SER SCH		SHRD	7		65		2						75	9	.5					
77.00	80	3.00	27	DAC TUF\SER SCH		SHRD	15		55		7						80	10	.3		.2			
80.00	83	3.00	59	DAC TUF\SER SCH		SHRD	10		55								70	9	.4	.1				
83.00	86	3.00	46	DCIT TUFF		F.CG	7		65		2		1				75	7	.3		.2			
86.00	89	3.00	49	DCIT TUFF		F.CG	10		65		2		1				80	9	.5	.5	.3			
89.00	92	3.00	65	DCIT TUFF		F.CG	5		60		2			1			70	7	.3	.2	.2			
92.00	95	3.00	65	DCIT TUFF		F.CG	3		60		1						65	6	.2		.1			
95.00	98	3.00	57	DCIT TUFF		F.CG	3		65		2						75	7	.1	.2				
98.00	101	3.00	28	DCIT TUFF		F.CG	5	2	65		1						75	6	.3	.3				
101.00	104	3.00	41	DCIT TUFF		F.CG	2	5	65								75	10	.3	.2				
104.00	106.65	2.65	35	DCIT TUFF		F.CG	1	2	60		2						70	10	.1	.1				
106.65	109.60	2.95	7	FAULT\SER SCH		SHRD	15	2	60	2	2						85	10	.3	.2	.3			
109.60	112	2.40	49	DAC TUF\SER SCH		F.CG	10	7	60		2						80	15	.8	.3				
112.00	115	3.00	62	DAC TUF\SER SCH		F.CG	3		65		1						70	8	.2	.1	.2			
115.00	118	3.00	57	DAC TUF\SER SCH		F.CG	15		60								80	8	.3	.3				
118.00	121	3.00	65	DAC TUF\SER SCH		F.CG	8		65								75	8	.2	.3				
121.00	124	3.00	70	DAC TUF\SER SCH		F.CG	10		65								80	9	.5	.1				
124.00	127	3.00	53	DAC TUF\SER SCH		F.CG	10		65		1						85	12	2	.8				
127.00	130	3.00	53	DAC TUF\SER SCH		F.CG	5	1	70		2						80	10	.7	.3				
130.00	133	3.00	55	DAC TUF\SER SCH		F.CG	5		70		7						85	10	.8	.3				
133.00	136	3.00	54	DAC TUF\SER SCH		F.CG	8		65		5						80	8	.3	.2				
136.00	139	3.00	49	DAC TUF\SER SCH		F.CG	10		65		3						80	5	.2	.2				
139.00	142	3.00	63	DAC TUF\SER SCH		F.CG	3		65		5						75	6	.5	.3				
142.00	145	3.00	58	DAC TUF\SER SCH		F.CG	8		65		4						80	7	.4	.2				
145.00	148	3.00	57	DAC TUF\SER SCH		F.CG	3		65		2						70	7	.6	.4				
148.00	151	3.00	56	DAC TUF\SER SCH		F.CG	2		65		1			2			70	9	.3	.4				
151.00	154	3.00	55	DAC TUF\SER SCH		F.CG	2		65		2						70	8	.4	.5				
154.00	157	3.00	54	DAC TUF\SER SCH		F.CG	4	2	65		1		5				80	9	.2	.2				
157.00	160	3.00	58	DAC TUF\SER SCH		F.CG	2	1	65		3		5				75	12	.2	.6				
160.00	163	3.00	55	DAC TUF\SER SCH		F.CG		2	60		5		6				75	9	.3	.5				
163.00	166	3.00	50	DAC TUF\SER SCH		F.CG		2	60		7		7				80	9	.3	.5				

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
• (604) 251-5656
• FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 890840 AA JOB NUMBER: 890840 WESTERN CANADIAN MINING CORP.

SAMPLE #	Cu %	Au oz/st
14613	.10	<.005
14614	.07	<.005
14615	.06	<.005
14616	.09	<.005
14617	.19	<.005
14618	.15	<.005
14619	.10	<.005
14620	.15	<.005
14621	.19	<.005
14622	.17	.006
14623	.23	.012
14624	.23	.006
14625	.18	<.005
14626	.28	.008
14627	.27	.008
14628	.23	<.005
14629	.37	.007
14630	.38	.015
14631	.30	.007
14632	.41	.007
DETECTION LIMIT	.01	.005

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

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RENO, NEVADA, U.S.A.

SAMPLE #	Cu %	Au oz/st
14633	.26	<.005
14634	.24	<.005
14635	.05	<.005
14636	.17	<.005
14637	.23	<.005
14638	.11	<.005
14639	.10	<.005
14640	.11	<.005
14641	.17	<.005
14642	.26	<.005
14643	.13	<.005
14644	.12	.007
14645	.26	.027
14646	.27	.006
14647	.24	.010
14648	.42	.013
14649	.38	.011
14650	.65	.020
14651	.41	.010
14652	.32	.011
DETECTION LIMIT	.01	.005

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

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SAMPLE #	Cu %	Au oz/st
14653	.30	.008
14654	.22	.006
14655	.20	.008
14656	.21	<.005
14657	.22	.007
14658	.22	<.005
14659	.27	.008
14660	.16	<.005
14661	.11	<.005
14662	.24	<.005
14663	.13	<.005
14664	.23	<.005
14665	.18	.007
14666	.26	.007
14667	.15	<.005
14668	.11	<.005
14669	.04	<.005
14670	.07	<.005
14671	.05	<.005
14672	.18	<.005
DETECTION LIMIT	.01	.005

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

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RENO, NEVADA, U.S.A.

SAMPLE #	Cu %	Au oz/st
14673	.04	<.005
14674	.01	<.005
14675	.01	<.005
14676	.01	<.005
14677	.01	<.005
14678	.01	<.005
14679	.01	<.005
14680	.03	<.005
14681	.04	<.005
14682	.36	.006
14683	.04	<.005
14684	.12	.006
14685	.16	.015
14686	.05	<.005
14687	.04	<.005
14688	.04	<.005
14689	.04	<.005
14690	.03	<.005
14691	.07	<.005
14692	.02	<.005
DETECTION LIMIT	.01	.005

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

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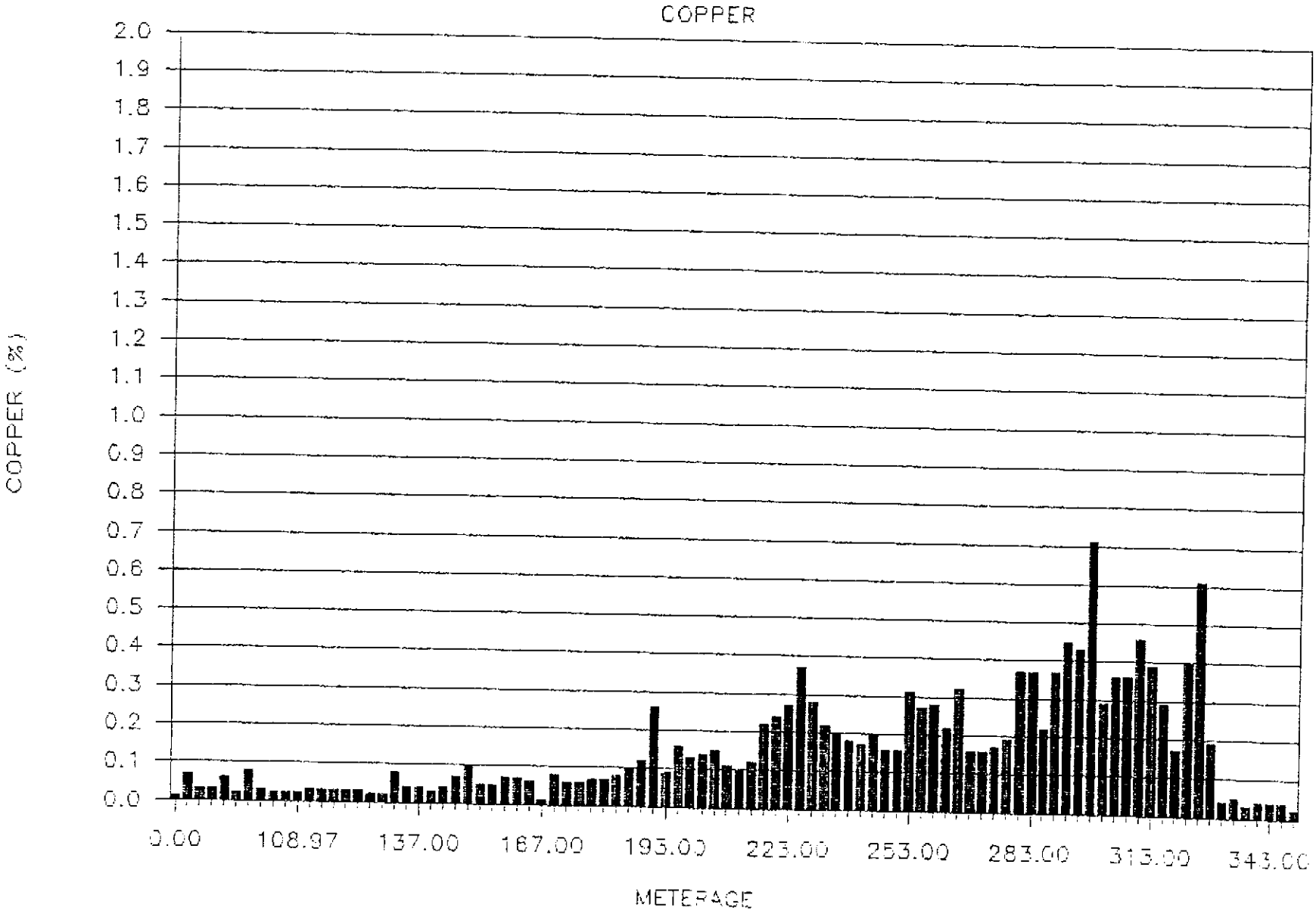
SAMPLE #	Cu %	Au oz/st
14693	.04	.006
14694	.05	<.005
14695	.01	<.005
14696	.10	<.005
14697	.16	.005
14698	.10	<.005

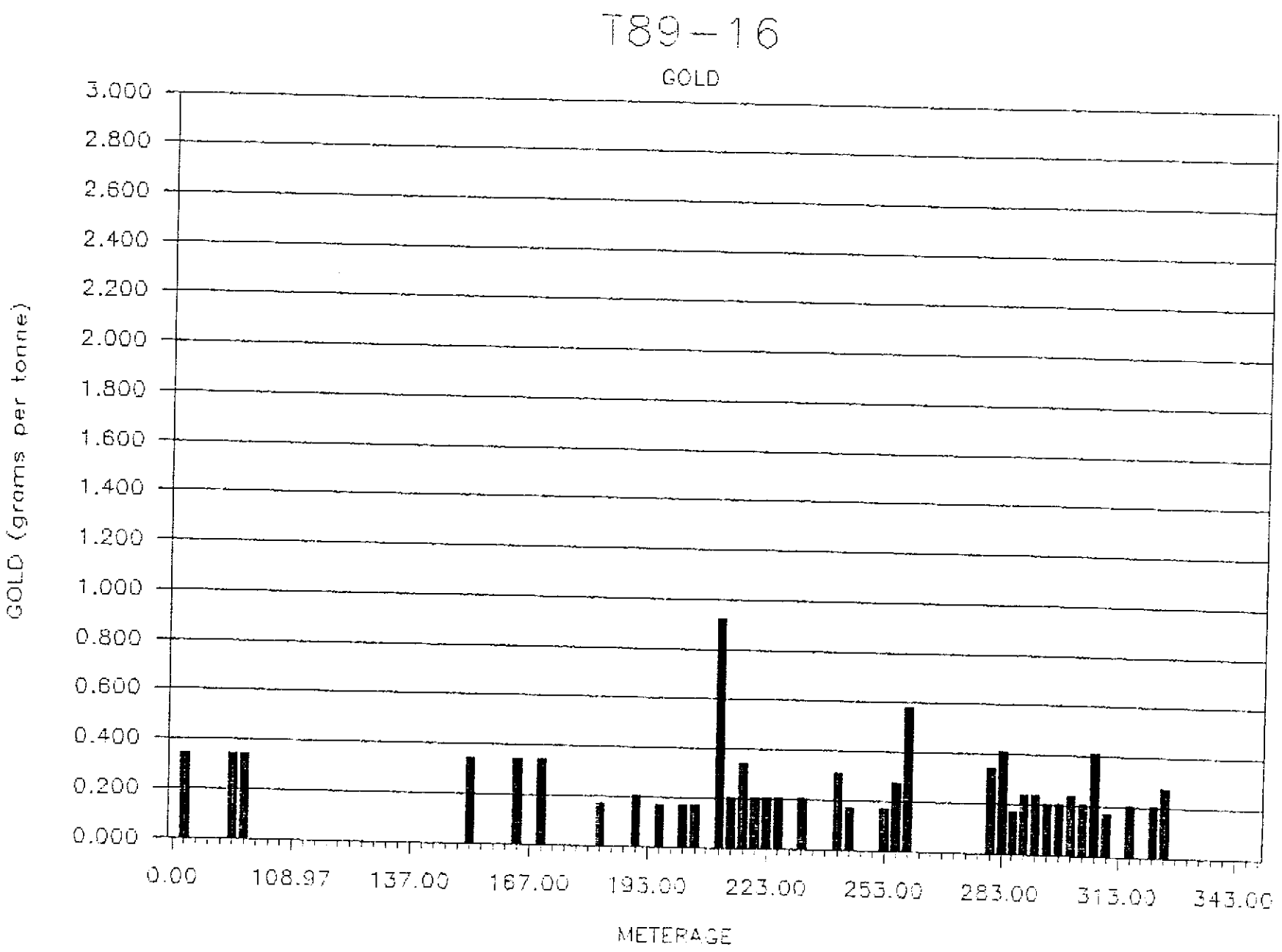
DETECTION LIMIT	.01	.005

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

T89-16


COPPER
2.0
1.9
1.8
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
COPPER (%)
0.00
108.97
137.00
167.00
193.00
223.00
253.00
283.00
313.00
343.00
METERAGE


T89-16
GOLD
GOLD (grams per tonne)
3.000
2.800
2.600
2.400
2.200
2.000
1.800
1.600
1.400
1.200
1.000
0.800
0.600
0.400
0.200
0.000
0.00
108.97
137.00
167.00
193.00
223.00
253.00
283.00
313.00
343.00
METERAGE

D.D. HOLE No. K-89-16

Location	Tedray grid south-west	Collar Northing	10975.95 m
Date Started	September 1, 1989	Easting	9350.51 m
Date Completed	September 5, 1989	Elevation	1124.45 m
Core Recovery	97.34 %	Azimuth	000 Dip - 90 deg
Drilled By	J.T.Thomas Drilling	Length	355.07 m
Logged By	S.Casselman,B.Butterworth	Hor. Proj.	3.72 m
Objective	Test for north-western extension of B-zone deposit	Vert. Proj.	355.79 m
		Core Size	NQ

METRES From	METRES To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au oz/st	Ag ppm	Cu ppm	Cu %
0.00	83.82	CASING									
83.82	124.00	LAPILLI TUFF (DACITIC?) - pale grey subrounded to subangular fragments in a medium grained, medium grey matrix yields a banded texture, possibly flow banding, strongly sericitized and pyrite-rich. - occasionally, blotches of a pale green micaceous mineral (mariposite?) are erratically distributed throughout the section. - fragments are strongly siliceous, thus suggesting a possible rhyolitic composition. They are typically 2-3 cm and flattened at 25 degress to the core axis. -pyrite occurs by fine to medium grained sub to anhedral disseminations, locally up to 10%, typically within the matrix and to a much lesser extent in the fragments. - generally, section is quite competent with few deformation features - a well developed foliation occurs locally, usually at 40 degrees to the core axis	18209	83.32	87.00	3.18	94.00	<.005			0.01
			18210	87.00	90.00	3.00	103.00	0.010			0.07
			18211	90.00	93.00	3.00	94.00	<.005			0.03
			18212	93.00	96.00	3.00	100.00	<.005			0.03
			18213	96.00	99.00	3.00	95.00	<.005			0.06
			18214	99.00	102.00	3.00	97.00	0.010			0.02
			18215	102.00	105.00	3.00	102.00	0.010			0.08
			18216	105.00	107.35	2.35	95.00	<.005			0.03
			18217	107.35	108.97	1.62	96.00	<.005			0.02
			18218	108.97	112.00	3.03	94.00	<.005			0.02
			18219	112.00	115.00	3.00	97.00	<.005			0.02
			18220	115.00	118.00	3.00	98.00	<.005			0.03
			18221	118.00	121.00	3.00	98.00	<.005			0.03
			18222	121.00	124.00	3.00	94.00	<.005			0.03
83.82	87.47	- bedding/flow banding very well defined at 20 degrees to the core axis. May be either flattened fragments or rhyolite beds.									

METRES From	METRES To	DESCRIPTION	SAMPLING Spl.#	SAMPLING From	SAMPLING To	SAMPLING m	Rec %	Au oz/st	Ag ppm	Cu ppm	Cu %
91.47	92.86	- fault zone - highly fractured gouge zone with well developed foliation at 85 degrees c/a. Hanging wall and footwall contacts are sharp and orientated at 40 degrees c/a.									
90.42	95.04	- quartz veins and narrow stockwork zones (usually < 10 cm) occur throughout interval. - traces of black, fine grained, sulphide (tennatite?) occur along vein contacts									
102.79	105.00	Interval dominated by quartz-pyrite veins Pyrite veins appear to have been brecciated and healed with quartz. Pyrite occurs as very fine grained anhedral masses with occasional blebs of fine grained black sulphide in quartz; along pyrite grain boundaries. - quartz-pyrite veins up to 6 cm wide and typically orientated at 35 degrees C/A - pyrite displays a unique, almost pyrrhotite (bronze) colouration									
105.62	105.82	- large fragments of flow banded rhyolite as previously described. Sharp upper contact at 45 degrees C/A and lower contact at 010 C/A. Banding is orientated at 15 degrees C/A.									
107.35	108.97	- quartz veins gently folded with inclusions of lapilli tuff. Pyrite (<< 1%) coarse euhedral chrystals.									
105.62	124.00	- interval contains abundant rhyolite tuff fragments as previously described. Banded texture is observed locally at varying angles to the core axis. - a moderate to well developed floatation is orientated at 40 degrees C/A.									
123.10	124.00	- bull white quartz vein is 4 cm wide at 60 degrees to the core axis marks upper contact with medium grained tuff.									

METRES From	To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au oz/st	Ag ppm	Cu ppm	Cu %
		- S.G. at 85.00 m - 2.73 g/cc 95.00 m - 2.92 g/cc 105.00 m - 2.87 g/cc 115.00 m - 2.87 g/cc - average S.G. = 2.85 g/cc									
124.00	134.14	MEDIUM GRAINED TUFF - massive, pale to medium green tuffaceous sequence with few, if any fragments and a poorly developed foliation at 35 degrees C/A. - noticeable increase in chloritization (probably compositional rather than secondary) which gives sequence a mottled texture. Pyrite occurs principally as fine grained anhedral disseminations but much less frequently, as bands/veinlets less than 1 cm wide and paralleling foliation. - quartz veins up to 6 cm wide orientated at 40 degress to c/a occasionally cut sequence. Veins are bull white and carry much less than 0.5% sub to anhedral pyrite. _ S.G. at 125.00 m - 2.95 g/cc	18223	124.00	127.00	3.00	90.00	<.005			0.03
			18224	127.00	130.00	3.00	96.00	<.005			0.03
			18225	130.00	133.00	3.00	99.00	<.005			0.02
			18226	133.00	134.14	1.14	111.00	<.005			0.02
134.14	168.03	LAPILLI TUFF - sequence is as described in 83.82 - 124.00 with strongly pervasive epidote alteration, characterized by yellow to pale green colouration. Alteration appears to be somewhat limited to the fragments rather than the matrix of the sequence. - rare, erratically distributed patches of pale green micaceous mineral (mariposite) occur throughout. - pyrite is the dominant sulphide occuring as sub to anhedral grains concentrated within matrix with little or no pyrite in fragments - quartz-carbonate stringers, typically , 0.5 cm wide and orientated at 40 degrees C/A. Carbonate veinlets are distinctive as they commonly have pink core which grades outwards to white.	18227	134.14	137.00	2.86	93.00	<.005			0.08
			18228	137.00	140.00	3.00	100.00	<.005			0.04
			18229	140.00	143.00	3.00	103.00	<.005			0.04
			18230	143.00	146.00	3.00	81.00	<.005			0.03
			18231	146.00	149.00	3.00	90.00	<.005			0.04
			18232	149.00	152.00	3.00	96.00	<.005			0.07
			18233	152.00	155.00	3.00	86.00	<.005			0.10
			18234	155.00	158.00	3.00	91.00	0.010			0.05
			18235	158.00	161.00	3.00	98.00	<.005			0.05
			18236	161.00	164.00	3.00	100.00	<.005			0.07
			18237	164.00	167.00	3.00	100.00	<.005			0.07
			18238	167.00	168.03	1.03	103.00	0.010			0.06

METRES From	To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au oz/st	Ag ppm	Cu ppm	Cu %
		- quartz-pyrite veins up to 2 cm wide with or without fine grained black sulphides (tennantite) occur thoughout at a density of 1 per metre. The veins are commonly orientated at 30 degrees C/A and in some cases are weakly folded. - tennantite occurs as micro veinlets crosscutting pyrite grains in quartz veins.									
142.90	143.26	- sheared zone- shared zone collectively composed of rubbly fragments and fault gouge.									
148.07	148.80	- sheared zone - well developed foliation at 60 degrees C/A. - S.G. at 135.00 m - 2.83 g/cc 145.00 m - 2.84 g/cc 155.00 m - 2.89 g/cc 165.00 m - 2.86 g/cc - average S.G. = 2.85 g/cc									
168.03	169.21	MEDIUM GRAINED TUFF - similar in texture and composition to sequence described at 124.00 - 134.14 carbonate ringlets commonly ranging from 0.5 - 1.0 cm in width and 50 degrees C/A occur throughout. - sulphide content is negligable.	18239	168.03	169.21	1.18	91.00	<.005			0.01
169.21	299.33	LAPILLI TUFF - medium grained, medium grey tuff, similar in appearance to sequence described in 134.14 -168.03 fragments appear to be somewhat different than those previously described (rhyolite) in that they are medium grained, moderately sericitized and would appear to more closely resemble the groundmass of the unit. - epidote (pale green-yellow) alteration is quite weak at the top of the section and increase in intensity with depth.	18240	169.21	172.00	2.79	101.00	0.010			0.08
			18241	172.00	175.00	3.00	98.00	<.005			0.06
			18242	175.00	178.00	3.00	97.00	<.005			0.06
			18243	178.00	181.00	3.00	100.00	<.005			0.07
			18244	181.00	184.00	3.00	100.00	<.005			0.07
			18245	184.00	187.00	3.00	99.00	0.005			0.08
			18246	187.00	190.00	3.00	100.00	<.005			0.10
			18247	190.00	193.00	3.00	97.00	<.005			0.12
			18248	193.00	196.00	3.00	100.00	0.006			0.26
			18249	196.00	199.00	3.00	97.00	<.005			0.09
			18250	199.00	202.00	3.00	100.00	0.005			0.16
			18251	202.00	205.00	3.00	98.00	<.005			0.13

METRES From	METRES To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au oz/st	Ag ppm	Cu ppm	Cu %
			18252	205.00	208.00	3.00	98.00	0.005			0.14
169.21	202.73	- numerous semi-massive pyrite-quartz veins ranging from 1 cm to 4 cm, orientated at 60 degrees C/A occur throughout interval at 1 per 30 cm. - pyrite is typically medium to coarse grained and sub to euhedral. - minor chalcopyrite and tennantite occur in veins.	18253	208.00	211.00	3.00	99.00	0.005			0.15
			18254	211.00	214.00	3.00	100.00	<.005			0.11
			18255	214.00	217.00	3.00	99.00	0.027			0.10
			18256	217.00	220.00	3.00	100.00	0.006			0.12
			18257	220.00	223.00	3.00	100.00	0.010			0.22
			18258	223.00	226.00	3.00	94.00	0.006			0.24
			18259	226.00	229.00	3.00	98.00	0.006			0.27
			18260	229.00	232.00	3.00	100.00	0.006			0.37
			18261	232.00	235.00	3.00	97.00	<.005			0.28
182.33	202.73	- noticeable increase in epidote alteration as described in 134.14-168.03 - fragments are difficult to recognize, possibly as a result of an increase in sericitization.	18262	235.00	238.00	3.00	100.00	0.006			0.22
			18263	238.00	241.00	3.00	96.00	<.005			0.20
			18264	241.00	244.00	3.00	103.00	<.005			0.18
			18265	244.00	247.00	3.00	97.00	0.009			0.17
			18266	247.00	250.00	3.00	101.00	0.005			0.20
			18267	250.00	253.00	3.00	101.00	<.005			0.16
185.89	185.99	- quartz-pyrite unique in that the pyrite is very fine grained and exhibits same color and texture as in 102.79 - 105.00 Pyrite forms wisps along contact and as veins within quartz. - pink carbonate veins appear to be more concentrated in zone of stong epidote alteration. These veins are typically < 1 cm wide and orientated at 50 degrees c/a.	18268	253.00	256.00	3.00	95.00	<.005			0.16
			18269	256.00	259.00	3.00	96.00	0.005			0.31
			18270	259.00	262.00	3.00	90.00	0.008			0.27
			18271	262.00	265.00	3.00	75.00	0.017			0.28
			18272	265.00	268.00	3.00	105.00	<.005			0.22
			18273	268.00	271.00	3.00	97.00	<.005			0.32
			18274	271.00	274.00	3.00	98.00	<.005			0.16
			18275	274.00	277.00	3.00	99.00	<.005			0.16
			18276	277.00	280.00	3.00	94.00	<.005			0.17
			18277	280.00	283.00	3.00	98.00	<.005			0.19
			18278	283.00	286.00	3.00	96.00	0.010			0.37
202.73	217.10	- decrease in patchy epidote alteration with a corresponding increase in pervasive chloritization. - fewer fragments are recognizable and interval appears to be taking on mottle texture (medium grained tuff). - quartz veins are abundant but contain very few sulphides and are quite narrow (<< 1 cm).	18279	286.00	289.00	3.00	99.00	0.012			0.37
			18280	289.00	292.00	3.00	100.00	0.005			0.22
			18281	292.00	295.00	3.00	101.00	0.007			0.37
			18282	295.00	298.00	3.00	96.00	0.007			0.45
217.10	265.70	- grades back into strong patchy epidote alteration with abundant quartz-pyrite veins as described in 185.89 - 185.99. - quartz-sulphide veins occur at 1/20 cm within upper 15 m of this material. Chalcopyrite occurs within quartz veins as coarse blebs commonly along grain boundaries with pyrite. pink carbonate veins locally within interval.									

METERS From	To	DESCRIPTION	SAMPLING Spl. #	From	To	m	Rec %	Au oz/st	Ag ppm	Cu ppm	Cu %
258.25	258.56	- silica stockwork zone with disseminated and veinlets of chalcopyrite and pyrite. Quartz veins are highly fractured; fractures have been healed with both chalcopyrite and pyrite.									
260.13	264.00	- fault zone - rubble like zone with approximately 1 m section of gouge. Contacts are sharp at 40 degrees c/a.									
265.70	288.51	- moderate to strong, patchy ankerite/ epidote alteration but with much less silicification (i.e quartz veins) than in intervals previously described. - noticeable increase in anhydrite as veins/veinlets typically < 0.5 cm orientated at 40 degrees c/a. - chalcopyrite occurs as disseminations and occasionally as veinlets in anhydrite quartz veinlets. A black fine grained sulphide (tennantite?) is occasionally observed. - fewer quartz-pyrite veins than in previous interval. - 274.54 - 5 cm wide anhydrite vein at 15 degrees c/a.									
288.51	299.33	- quartz veins occur commonly throughout interval as described in 217.10 - 265.70 - pyrite commonly occurs throughout groundmass of unit, but to much lesser extent in quartz veins. - noticeably less anhydrite than in previous interval. - minor chalcopyrite as disseminations in quartz veinlets. - S.G. at 175.00 m - 2.92 g/cc 185.00 m - 3.02 g/cc 195.00 m - 2.94 g/cc 205.00 m - 2.88 g/cc 215.00 m - 2.94 g/cc 225.00 m - 2.96 g/cc 235.00 m - 2.89 g/cc 245.00 m - 2.96 g/cc 255.00 m - 2.89 g/cc 265.00 m - 2.86 g/cc 275.00 m - 2.73 g/cc									

METRES From	To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au oz/st	Ag ppm	Cu ppm	Cu %
		- S.G. at 285.00 m - 2.73 g/cc 295.00 m - 2.91 g/cc - average S.G. = 2.89 g/cc									
299.33	299.78	MEDIUM GRAINED TUFF - as previously described in 124.00 - 134.14 and 168.03 - 169.21 m									
299.78	320.37	LAPILLI TUFF - pale to medium grey, medium green tuff with weak epidote alteration. Similar in appearance to interval described in 169.21 to 299.33 with much less epidote and increased pervasive silification and continuation of interval described in 288.51 - 299.53m. - moderate to strong silification as quartz veins/veinlets. Noticeable increase in chalcopyrite occuring as coarse blebs and narrow (< 1mm) veinlets, both in quartz veins. - anhydrite infills microfactures throughout. - 303.50 - 303.58 late stage, white quartz vein with coarse blebs of chalcopyrite (approx. 4 cm x 1 cm) - S.G. at 305.00 m - 3.07 g/cc 315.00 m - 2.99 g/cc - average S.G. = 3.03 g/cc	18283 18284 18285 18286 18287 18288 18289	298.00 301.00 304.00 307.00 310.00 313.00 316.00	301.00 304.00 307.00 310.00 313.00 316.00 319.00	3.00 3.00 3.00 3.00 3.00 3.00 3.00	96.00 96.00 98.00 98.00 100.00 100.00 97.00	0.006 0.006 0.007 0.006 0.012 0.005 <.005			0.43 0.71 0.29 0.36 0.36 0.46 0.39
320.37	324.17	MEDIUM GRAINED TUFF - typical medium green, mottled textured, massive tuffaceous sequence as previously described. - occasionally cut by narrow (< 1 cm) quartz veins commonly orientated at 30 degrees c/a. - this unit would be equivalent to crystal/lapilli tuff. - dark green phenocrysts (horneblende?) give the sequence its characteristic mottled appearance. - no visible chalcopyrite and minor dissemenated pyrite. - upper and lower contacts with lapilli tuffs are gradational.	18290 18291	319.00 322.00	322.00 325.00	3.00 3.00	100.00 98.00	0.006 <.005			0.29 0.17

METRES From	METRES To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au oz/st	Ag ppm	Cu ppm	Cu %
324.17	332.00	LAPILLI TUFF - as described in previous intervals with weak to moderate epidote alteration and quartz veins. Similar to 299.78 - 320.37 but with less chalcopyrite, pyrite, and quartz veins. - S.G. at 325.00 m - 2.87 g/cc									
332.26	355.70	COARSE GRAINED TUFF - pale grey, mottled crystal tuff with pervasive sericitization and weak silification. - sequence is massive and characterized by chlorite and altered hornblende phenocysts is a pale grey sercite matrix. - occasional barren quartz veinlets (< 1cm wide) are orientated at 30 degrees c/a. - no chalcopyrite was observed. Locally up to 3% dissemenated pyrtie and rare veinlets. - S.G. at 335.00 m - 2.86 g/cc 345.00 m - 2.84 g/cc 355.00 m - 2.89 g/cc - average S.G. = 2.86 g/cc	18292	325.00	328.00	3.00	100.00	0.006			0.40
			18293	328.00	331.00	3.00	96.00	0.008			0.61
			18294	331.00	334.00	3.00	100.00	<.005			0.19
			18295	334.00	337.00	3.00	98.00	<.005			0.04
			18296	337.00	340.00	3.00	100.00	<.005			0.05
			18297	340.00	343.00	3.00	99.00	<.005			0.03
			18298	343.00	346.00	3.00	94.00	<.005			0.04
			18299	346.00	349.00	3.00	100.00	<.005			0.04
			18300	349.00	352.00	3.00	100.00	<.005			0.04
E.O.H.			18301	352.00	355.70	3.70	98.00	<.005			0.02
		DIP TEST (corrected) at 285.60 m - 76 degrees									
		HOLE SHUT DOWN : LACK OF COPPER MINERALIZATION									

Ref	North	East	RL	Azim	Dip	Length	Category	Remarks
8916	10975.95	9350.51	1124.45	000	90	355.7	Tedray	Section across Tedray with T89-12,13,14

FROM	Dist	WDTH	RQ	ROCKNAME	UNT	TXT	SI	QV	SE	CY	CH	EP	CB	CM	A1	A2	IN	PY	CP	SP	CC	NC	M1	M2	F
	83.82			OVERBURDEN																					
83.82	87	3.18	45	DCIT? LPLL TUFF		MG	5	3	40		2		1				55	15							
87.00	90	3.00	51	DCIT? LPLL TUFF		MG	3	1	35	1	2			3			55	12	.1	.3					
90.00	93	3.00	8	DCIT? LPLL TUFF		MG	7		45		5		1	5			65	10	.3	.1					
93.00	96	3.00	42	DCIT? LPLL TUFF		MG	3	1	40		2			5			55	10	.2	.2					
96.00	99	3.00	38	DCIT? LPLL TUFF		MG	2		35		2			5			50	12	.2	.2					
99.00	102	3.00	52	DCIT? LPLL TUFF		MG	3		35		3			3			45	12	.1	.1					
102.00	105	3.00	33	DCIT? LPLL TUFF		MG	10		35		3			5			55	18	.5						
105.00	107.38	2.35	40	DCIT? LPLL TUFF		MG	10	2	35		2		1	8			60	10	.1	.1					
107.35	108.97	1.62	49	DCIT? LPLL TUFF		MG		75	10		2		1	1			90	6	.3						
108.97	112	3.03	60	DCIT? LPLL TUFF		MG	2		35		2			7	2		50	12	.1						
112.00	115	3.00	60	DCIT? LPLL TUFF		MG	2		35		2			2	3		50	10							
115.00	118	3.00	54	DCIT? LPLL TUFF		MG	2	1	35		2			7			50	12	.2	.1					
118.00	121	3.00	51	DCIT? LPLL TUFF		MG	3	2	35		2						45	10	.3	.1					
121.00	124	3.00	53	DCIT? LPLL TUFF		MG	2	5	35				2	3	2		50	10	.1	.2					
124.00	127	3.00	54	MG TUFF		MG	2	7	45		2				1		60	7	.1	.2					
127.00	130	3.00	58	MG TUFF		MG	1		50		1				2		55	4	.1						
130.00	133	3.00	60	MG TUFF		MG	2		50		1				1		55	5	.2	.2					
133.00	134.14	1.14	56	MG TUFF		MG	1		50		1			1			55	6	.1	.2					
134.14	137	2.86	58	LPLL TUFF		MG	3		40		2	1		7			55	10	.2	.1					
137.00	140	3.00	61	LPLL TUFF		MG	2		35		2			5			50	8		.1					
140.00	143	3.00	42	LPLL TUFF		MG	1		30		1			5			40	8	.2						
143.00	146	3.00	36	LPLL TUFF		MG	2		30		2	2		5			45	12	.2	.3					
146.00	149	3.00	38	LPLL TUFF		MG	2		30		3	5	2	5			50	14	.2	.4					
149.00	152	3.00	43	LPLL TUFF		MG	2		30		1	2		7			45	10	.2	.2					
152.00	155	3.00	46	LPLL TUFF		MG	2		30		1	2	1	5			45	9	.1						
155.00	158	3.00	48	LPLL TUFF		MG			25		2	15	2	12			60	10	.2						
158.00	161	3.00	59	LPLL TUFF		MG	2		25		5	10	5	10			60	10	.4	.2					
161.00	164	3.00	57	LPLL TUFF		MG	2		25		2	3	1	10			50	10	.2	.3					
164.00	167	3.00	54	LPLL TUFF		MG	3		25		2	5	6	7			50	10		.2					
167.00	168.03	1.03	58	LPLL TUFF		MG	2		20		1	15	10	10			60	15	.3	.2					
168.03	169.21	1.18	54	MG TUFF		MG			40		15		5				60	3							
169.21	172	2.79	55	LPLL TUFF		MG	5		45		3	3		7			65	12		.1					
172.00	175	3.00	60	LPLL TUFF		MG	3		45		5	2		5			60	8		.1					
175.00	178	3.00	58	LPLL TUFF		MG	2		50		2			1	2		60	8		.2					
178.00	181	3.00	57	LPLL TUFF		MG	2		45		1			2	2		55	8	.2						
181.00	184	3.00	60	LPLL TUFF		MG	5		10			10	3	25	1		65	12	.1						
184.00	187	3.00	53	LPLL TUFF		MG	7		10		1	10	3	20			55	12	.5	.1					
187.00	190	3.00	55	LPLL TUFF		MG	7		10		2	20		15			60	15	.2						
190.00	193	3.00	56	LPLL TUFF		MG	2		15		3	20	3	15	2		60	12							
193.00	196	3.00	57	LPLL TUFF		MG	7		20		5	12	3	10			60	10		.2					
196.00	199	3.00	58	LPLL TUFF		MG	2	1	25		3	15	5	12			60	10		.1					
199.00	202	3.00	58	LPLL TUFF		MG	2	1	10		2	12	5	20			60	8		.3					
202.00	205	3.00	62	LPLL TUFF		MG	3	2	10			15	5	15			55	10		.2					
205.00	208	3.00	54	LPLL TUFF		MG	2	2	25		3	5	3	7			50	8	.1						
208.00	211	3.00	59	LPLL TUFF		MG		1	30		1	8	3	5			50	9		.3					
211.00	214	3.00	59	LPLL TUFF		MG	2	2	35		2	2	5	1			50	7		.2					
214.00	217	3.00	59	LPLL TUFF		MG		1	40		8	2	3				55	5		.1					
217.00	220	3.00	62	LPLL TUFF		MG	5	1	30		5	8	3	7			60	9	.1	.1					
220.00	223	3.00	58	LPLL TUFF		MG	3	1	35			5	1	2			50	10	.2	.3					
223.00	226	3.00	55	LPLL TUFF		MG	7		35		1	5	2	5			55	12	.1	.1					
226.00	229	3.00	57	LPLL TUFF		MG	3		35		5	2	3	1			55	15	.2	.3					

Ref	North	East	RL	Azim	Dip	Length	Category	Remarks
8916	10975.95	9350.51	1124.45	000	90	355.7	Tedray	Section across Tedray with T89-12,13,14

FROM	Dist	WDTH	RQ	ROCKNAME	UNT	TXT	SI	QV	SE	CY	CH	EP	CB	GM	A1	A2	IN	PY	CP	SP	CC	NC	M1	M2	F
229.00	232	3.00	63	LPLL TUFF		MG	5		35		5	2	4	2			55	12	1	.3					
232.00	235	3.00	62	LPLL TUFF		MG	3	5	30		5	8	2	5			60	10	.4	.5					
235.00	238	3.00	60	LPLL TUFF		MG	5		10		3	25	2	10			60	6	.3	.1					
238.00	241	3.00	59	LPLL TUFF		MG	8		30		5	6	2	7			60	8							
241.00	244	3.00	62	LPLL TUFF		MG	4	1	35		3	4	1	5	3		60	9	.4	.3					
244.00	247	3.00	56	LPLL TUFF		MG	6	1	30		2	3	1	3	1		50	9	.5	.2					
247.00	250	3.00	62	LPLL TUFF		MG	3		25		6	3	5	2			50	8	.3	.2					
250.00	253	3.00	63	LPLL TUFF		MG	3		25		3	5	2	7			50	9	.2	.1					
253.00	256	3.00	51	LPLL TUFF		MG	5		30		5	15		15			70	9	.1						
256.00	259	3.00	57	LPLL TUFF		MG	10		25		2	7	3	7			55	12	.5	.2					
259.00	262	3.00	36	LPLL TUFF		MG	6		20		2	8	1	8			50	10	.2	.2					
262.00	265	3.00	34	LPLL TUFF		MG	6		20		5	3	1	5			45	9	.3	.2					
265.00	268	3.00	53	LPLL TUFF		MG	7		25		2	8		3	3		50	8	.3	.2					
268.00	271	3.00	57	LPLL TUFF		MG	3		30		5	5		7	7		55								
271.00	274	3.00	59	LPLL TUFF		MG	4		30		3	8		3	5		55	7							
274.00	277	3.00	58	LPLL TUFF		MG	2		20		5	10		6	10		60	5							
277.00	280	3.00	56	LPLL TUFF		MG	4		20		2	15		5	4		55	6		.3					
280.00	283	3.00	58	LPLL TUFF		MG	5		25		2	8		4	7		55	12							
283.00	286	3.00	56	LPLL TUFF		MG	2		25		5	5		3	10		50	7							
286.00	289	3.00	59	LPLL TUFF		MG	7		25		7	2		5	7		55	8							
289.00	292	3.00	57	LPLL TUFF		MG	1	2	15		7	15		3	2		45	12	.1	.3					
292.00	295	3.00	57	LPLL TUFF		MG	8		20		10	8		3	2		55	10	.5	.2					
295.00	298	3.00	56	LPLL TUFF		MG	7		20		5	10		5	3		50	9	.5	.2					
298.00	301	3.00	55	MG TUFF		MG	5	1	25		7	7		3	1		50	8	.3	.1					
301.00	304	3.00	54	LPLL TUFF		MG	10	3	30		10	2		3	1		60	9	1	.2					
304.00	307	3.00	55	LPLL TUFF		MG	5		35		10			1	2		55	8	.5	.1					
307.00	310	3.00	59	LPLL TUFF		MG	3		30		3	2		2	2		45	7	.3						
310.00	313	3.00	56	LPLL TUFF		MG	5		25		5	8		4	3		55	8	.2	.2					
313.00	316	3.00	52	LPLL TUFF		MG	10		30		5	5		3	2		55	9	.3	.1					
316.00	319	3.00	55	LPLL TUFF		MG	10		35		5	2		2	2		60	10	.4	.2					
319.00	322	3.00	56	LPLL TUFF		MG	5		35		10			1	1		55	7	.2	.1					
322.00	325	3.00	54	MG TUFF		MG	3		30		8			1	1		45	5		.1					
325.00	328	3.00	62	LPLL TUFF		MG	5		25		2	3		10	3		50	7	.2						
328.00	331	3.00	60	LPLL TUFF		MG	7		20		3	5		8			45	10	.2						
331.00	334	3.00	59	CG TUFF		CG	10		20		3	2		5	1		45	8	.1						
334.00	337	3.00	56	CG TUFF		CG	5		30		8			1			45	6	.3	.1					
337.00	340	3.00	57	CG TUFF		CG	3	1	35		10				1		50	6		.1					
340.00	343	3.00	59	CG TUFF		CG	3		35		10				1		50	6							
343.00	346	3.00	53	CG TUFF		CG	2		35		10				1		50	7							
346.00	349	3.00	59	CG TUFF		CG	5		35		5				1		50	8							
349.00	352	3.00	54	CG TUFF		CG	3		40		2				1		50	8	.2						
352.00	355.7	3.70	61	CG TUFF		CG	3		40	2	3						50	9	.1						

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
• (604) 251-5656
• FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

SAMPLE #	Cu %	Au oz/st
18209	.01	<.005
18210	.07	.010
18211	.03	<.005
18212	.03	<.005
18213	.06	<.005
18214	.02	.010
18215	.08	.010
18216	.03	<.005
18217	.02	<.005
18218	.02	<.005
18219	.02	<.005
18220	.03	<.005
DETECTION LIMIT	.01	.005

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

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BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

SAMPLE #	Cu %	Au oz/st
18221	.03	<.005
18222	.03	<.005
18223	.03	<.005
18224	.03	<.005
18225	.02	<.005
18226	.02	<.005
18227	.08	<.005
18228	.04	<.005
18229	.04	<.005
18230	.03	<.005
18231	.04	<.005
18232	.07	<.005
18233	.10	<.005
18234	.05	.010
18235	.05	<.005
18236	.07	<.005
18237	.07	<.005
18238	.06	.010
18239	.01	<.005
18240	.08	.010
DETECTION LIMIT	.01	.005

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

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BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

SAMPLE #	Cu %	Au oz/st
18341	.14	.008
18342	.14	.010
18343	.14	.009
18344	.21	.008
18345	.24	.007
18346	.50	.008
18347	.26	.005
18348	.33	<.005
18349	.30	<.005
18350	.44	<.005
18351	.55	<.005
18352	.08	<.005
18353	.08	<.005
18354	.16	<.005
18355	.31	.006
18356	.19	.006
18357	.29	<.005
18358	.30	.009
18359	.33	.007
18360	.32	.007
DETECTION LIMIT	.01	.005

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
• (604) 251-5656
• FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT
RENO, NEVADA, U.S.A.

SAMPLE #	Cu %	Au oz/st
18261	.28	<.005
18262	.22	.006
18263	.20	<.005
18264	.18	<.005
18265	.17	.009
18266	.20	.005
18267	.16	<.005
18268	.16	<.005
18269	.31	.005
18270	.27	.008
18271	.28	.017
18272	.22	<.005
18273	.32	<.005
18274	.16	<.005
18275	.16	<.005
18276	.17	<.005
18277	.19	<.005
18278	.37	.010
18279	.37	.012
18280	.22	.005
DETECTION LIMIT	.01	.005

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

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SAMPLE #	Cu %	Au oz/st
18281	.37	.007
18282	.45	.007
18283	.43	.006
18284	.71	.006
18285	.29	.007
18286	.36	.006
18287	.36	.012
18288	.46	.005
18289	.39	<.005
18290	.29	.006
18291	.17	<.005
18292	.40	.006
18293	.61	.008
18294	.19	<.005
18295	.04	<.005
18296	.05	<.005
18297	.03	<.005
18298	.04	<.005
18299	.04	<.005
18300	.04	<.005
18301	.02	<.005
DETECTION LIMIT	.01	.005

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

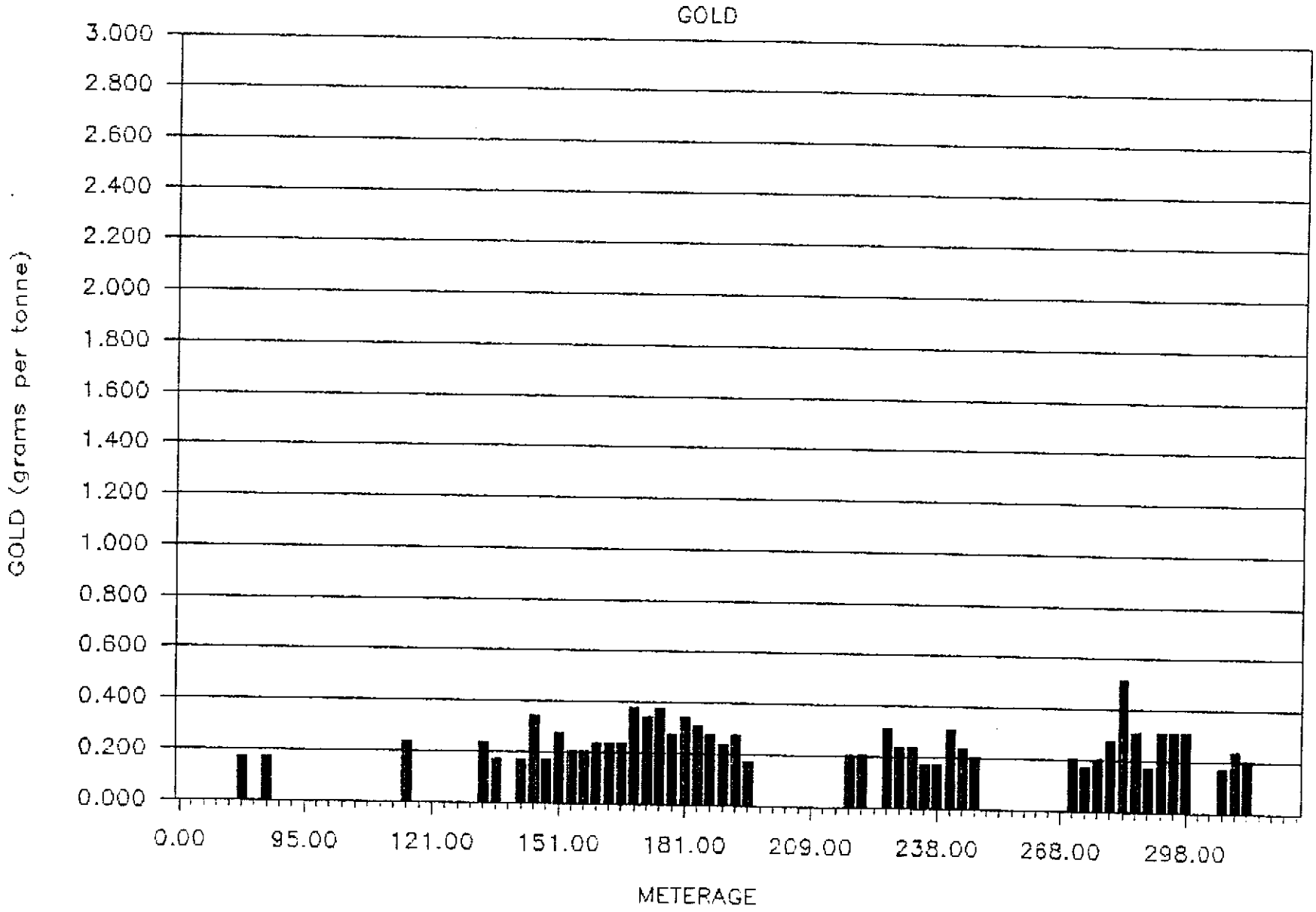
signed: _____

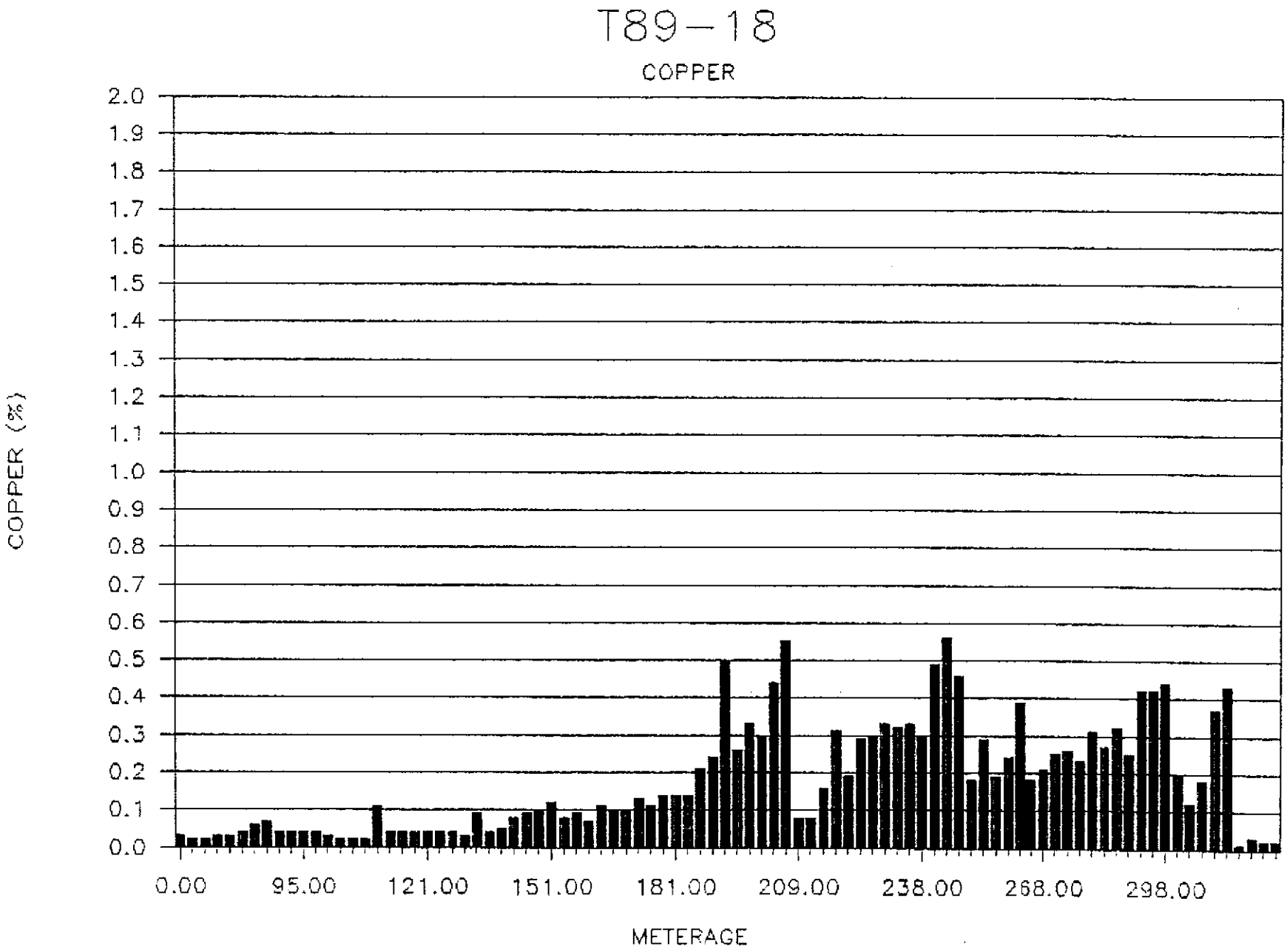
D.D. HOLE No. K-89-17 PAGE: 1 of 1

Location	Tedray property	Collar Northing	11163.70 m
Date Started	September 6, 1989	Easting	9301.06 m
Date Completed	September 9, 1989	Elevation	1056.99 m
Core Recovery		Azimuth	090 Dip - 60 deg
Drilled By	J.T.Thomas Drilling	Length	125.30 m
Logged By	S.G. Casselman	Hor. Proj.	62.65 m
Objective	Test for B-zone mineralization on Tedray property	Vert. Proj.	108.51 m
		Core Size	NQ

METRES From	To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au ppb	Ag ppm	Cu ppm	Cu %
0.00	125.30	OVERBURDEN									
	EOH										
		HOLE ABANDONED IN OVERBURDEN									

T89-18


GOLD
3.000
2.800
2.600
2.400
2.200
2.000
1.800
1.600
1.400
1.200
1.000
0.800
0.600
0.400
0.200
0.000
GOLD (grams per tonne)
0.00
95.00
121.00
151.00
181.00
209.00
238.00
268.00
298.00
METERAGE


T89-18
COPPER
COPPER (%)
2.0
1.9
1.8
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
0.00
95.00
121.00
151.00
181.00
209.00
238.00
268.00
298.00
METERAGE

D.D. HOLE No. T-89-18 PAGE: 1 of 7

Location	Vertical at hole T89-9	Collar Northing	10865.06 m
Date Started	September 9, 1989	Easting	9398.45 m
Date Completed	September 13, 1989	Elevation	1165.85 m
Core Recovery	92.58 %	Azimuth	000 Dip -90 deg
Drilled By	J.T.Thomas Drilling	Length	327.05 m
Logged By	S.Casselman, B.Butterworth	Hor. Proj.	44.57 m
Objective	Test for western extent of B-zone mineralization on Tedray	Vert. Proj.	321.58 m
		Core Size	NQ

METRES From	METRES To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au oz/st	Ag ppm	Cu ppm	Cu %
0.00	71.60	OVERBURDEN		0.00	71.6	71.60					
71.60	77.00	LAPILLI TUFF - very fine grained buff coloured rhyolite rock fragments in medium grained grey, tuffaceous groundmass. - fragments are subrounded to subangular and typically approximately 4 cm x 2 cm in size. - sequence displays moderate to strong pervasive sericitization and moderate foliation (bedding?) at 70 degrees c/a. - rare barren quartz veins, usually << 1 cm wide but sequence at 70 degrees c/a. - pyrite occurs commonly (up to 3%) as sub to enhedral crystals dissemenated throughout groundmass. Very little pyrite was observed in fragments. - no chalcopyrite was observed.	18302	71.60	74.00	2.40	63.00	<.005			0.03
			18303	74.00	77.00	3.00	80.00	<.005			0.02
77.00	97.00	COARSE GRAINED TUFF/LAPILLI TUFF - pale to medium grey, very uniform sequence with fewer fragments than in previously described interval. Fragments are much smaller (1-2 cm) and rounded. - pervasive sericitization dominate the sequence and impart the grey colouration - a faint, poorly developed foliation at 40 degrees to c/a can be distinguished locally, but generally the sequence is quite massive.	18304	77.00	78.20	1.20	77.00	<.005			0.02
			18305	78.20	81.00	2.80	89.00	<.005			0.03
			18306	81.00	84.00	3.00	100.00	<.005			0.03
			18307	84.00	87.00	3.00	90.00	0.005			0.04
			18308	87.00	90.00	3.00	100.00	<.005			0.06
			18309	90.00	93.00	3.00	98.00	0.005			0.07
			18310	93.00	95.00	2.00	101.00	<.005			0.04
			18311	95.00	97.00	2.00	97.00	<.005			0.04

METRES From	To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au oz/st	Ag ppm	Cu ppm	Cu %
		- moderate shearing occurs at the upper contact. - quartz veins, typically < 1 cm in width parallel the foliation. Pyrite is a common sulphide in the veins along with a minor amount of fine grained, black sulphide dissemenated throughout. - pyrite is common throughout the groundmass of the sequence. (up to 3%) as coarse anhedral to subhedral dissemenations. - rare specks of pale green, micaceous mineral (mariposite?) are scattered throughout the sequence.									
84.43	86.48	- fault zone - consisting of fault gouge and rubble. Upper and lower contacts are sharp at 40 degrees to c/a.									
89.20	97.00	- slight increase in pervasive silicification and quartz/pyrite veins. - quartz vein at 90.07 m is approximately 1 cm wide and contains 0.5% chalcopyrite. - no other occurences of chalcopyrite were observed within the sequence. - S.G. at 80.00 m - 2.85 g/cc 90.00 m - 2.89 g/cc - average S.G = 2.87 g/cc									
97.00	106.25	LAPILLI TUFF - similar to interval described at 71.60 to 77.00 m but ryholite fragments (or beds) produce a banded texture at 30 to 40 degrees c/a. - upper and lower contacts are sharp and orientated at 40 degrees to c/a. - sections of strong stockwork and pervasive silicification occur locally over 2 metre interval at the top of the section. Coarse grains of pyrite were observed, but no chalcopyrite. - grades into moderately pervasive ankerite(?)/epidote alteration toward the lower contact. This alteration is characterized by patchy, yellow colouration.	18312	97.00	100.00	3.00	100.00	<.005			0.04
			18313	100.00	103.00	3.00	99.00	<.005			0.04
			18314	103.00	106.25	3.00	98.00	<.005			0.03

METRES From	To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au oz/st	Ag ppm	Cu ppm	Cu %
		- noticeable increase in pyrite (5-10%) as subhedral dissemenations occur throughout this section. - S.G. at 100.00 m - 2.93 g/cc									
106.25	112.85	MEDUIM GRAINED TUFF - medium grey, homogeneous tuffaceous sequence. Strong, pervasive sericitization that occurs throughout this sequence contrasts sharply with the patchy ankerite/epidote alteration seen in the overlying and underlying units. - upper and lower contacts are sharp at 40 degrees and 50 degrees, respectively. - quartz veins are rare, typically < 1 cm wide and host pyrite. - pyrite (up to 3%) also occurs as coarse anhedral to subhedral dissemenations.	18315 18316 18317	106.25 109.00 111.00	109.00 111.00 112.85	2.75 2.00 1.85	99.00 100.00 99.00	<.005 <.005 <.005			0.02 0.02 0.02
112.85	127.80	MEDIUM GRAINED TUFF/LAPILLI TUFF - sequence is characterized by inter-bedded layers of buff coloured, very fine grained felsic volcanic rocks as described in 97.00 - 106.25m and medium grained, massive, ankerite/epidote altered tuffaceous rocks. - quartz, carbonate and quartz/carbonate veins and veinlets (0.5 - 1.5 cm wide) are common and cut sequence at 40 degrees to c/a. - carbonate veinlets occasionally exhibit pink colouration at the centre, grading outwards along the margins to white. - pyrite occurs as coarse euhedral crystals dissemenated throughout ground-mass, and occasionally in high concentrations (up to 3%) associated with quartz in veins. Pyrite in quartz veins is usually fine grained and anhedral. - occasional, but not common patch or veinlet of a pale green micaceous material. - S.G. at 110.00 m - 2.98 g/cc 120.00 m - 2.99 g/cc - average S.G. = 2.98 g/cc	18318 18319 18320 18321 18322	112.85 115.00 118.00 121.00 124.00	115.00 118.00 121.00 124.00 127.00	2.15 3.00 3.00 3.00 3.00	100.00 99.00 99.00 97.00 100.00	<.005 <.005 0.007 <.005 <.005			0.11 0.04 0.04 0.04 0.04

METRES From	METRES To	DESCRIPTION	SAMPLING Spl #	From	To	m	Rec %	Au oz/st	Ag ppm	Cu ppm	Cu %
127.80	160.65	MEDIUM GRAINED TUFF - intensley sericitized, pale grey and massive tuffaceous unit. - interval displays no ankerite/epidote alteration or bedding textures as in previously described interval. - pyrite is common as coarse grained dissemenations and less commonly as bands < 1 cm wide orientated at 40 degrees c/a.	18323	127.00	130.00	3.00	99.00	<.005			0.04
			18324	130.00	133.00	3.00	99.00	<.005			0.04
			18325	133.00	136.00	3.00	100.00	<.005			0.03
			18326	136.00	139.00	3.00	95.00	0.007			0.09
			18327	139.00	142.00	3.00	99.00	0.005			0.04
			18328	142.00	145.00	3.00	95.00	<.005			0.05
			18329	145.00	148.00	3.00	101.00	0.005			0.08
			18330	148.00	151.00	3.00	96.00	0.010			0.09
			18331	151.00	154.00	3.00	100.00	0.005			0.10
129.50	154.91	- marked increase in massive pyrite/quartz veins. In actual fact may represent brecciated pyrite bands filled with quartz. Range in width from 0.5 cm to 4 cm with pyrite as fine to medium grained, commonly anhedral to subhedral grains. This is a contrast to pyrite in groundmass which is often subhedral to euhedral. - rare anhydrite veinlets << 0.5 cm. - occasional chalcopyrite as dissemenations in quartz veinlets usually less than 1 cm wide and orientated at 40 degrees to c/a. Rare dendritic fine grained, black sulphide.	18332	154.00	157.00	3.00	99.00	0.008			0.12
			18333	157.00	160.00	3.00	99.00	0.006			0.08
154.91	157.94	- significant decrease in pyrite/quartz veins. - S.G. at 130.00 m - 2.90 g/cc 140.00 m - 3.13 g/cc 150.00 m - 2.93 g/cc 160.00 m - 2.95 g/cc - average S.G. = 2.98 g/cc										
160.50	218.27	MEDIUM GRAINED TUFF/LAPILLI TUFF (?) - very distinctive, common sequence characterized by pale to medium, patchy yellow colouration. Thought to be ankerite/epidote alteration. It is not clearly understood as yet whether this is actually an alteration assemblage or a primary compositional feature. Nevertheless, this particular unit occurs over lengthy intervals and for this reason has been treated as a separate unit.	18334	160.00	163.00	3.00	101.00	0.006			0.09
			18335	163.00	166.00	3.00	99.00	0.007			0.07
			18336	166.00	169.00	3.00	89.00	0.007			0.11
			18337	169.00	172.00	3.00	99.00	0.007			0.10
			18338	172.00	175.00	3.00	98.00	0.011			0.10
			18339	175.00	178.00	3.00	97.00	0.010			0.13
			18340	178.00	181.00	3.00	102.00	0.011			0.11
			18341	181.00	184.00	3.00	94.00	0.008			0.14
			18342	184.00	187.00	3.00	98.00	0.010			0.14
			18343	187.00	190.00	3.00	100.00	0.009			0.14
			18344	190.00	193.00	3.00	99.00	0.008			0.21

METRES From	To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au oz/st	Ag ppm	Cu ppm	Cu %
		- no carbonate is present.	18345	193.00	196.00	3.00	95.00	0.007			0.24
		- quartz veins usually < 1 cm wide and	18346	196.00	197.30	1.30	102.00	0.008			0.50
		orientated at 40 degrees c/a are common	18347	197.00	200.00	2.70	10.00	0.005			0.26
		(1/10 cm).	18348	200.00	203.00	3.00	8.00	<.005			0.33
		- pyrite veinlets/bands are also common	18349	203.00	206.00	3.00	7.00	<.005			0.30
		at 40 degrees to c/a (1/5 cm).	18350	206.00	209.00	3.00	3.00	<.005			0.44
			18351	209.00	211.40	2.40	15.00	<.005			0.55
181.75	183.17	- silicified zone - pervasive	18352	211.40	214.00	2.60	92.00	<.005			0.08
		silicification and stockwork quartz veins	18353	214.00	217.00	3.00	100.00	<.005			0.08
		with minor chalcopyrite as dissemenations									
		and narrow veinlets.									
		- generally, chalcopyrite occurs within									
		this interval as dissemenations and									
		narrow veinlets almost always associated									
		with areas of moderate to strong									
		pervasive and stockwork silicification.									
		No chalcopyrite was observed within									
		matrix of sericite/ankerite/epidote									
		altered sequence. Minor fine grained,									
		black sulphide (up to 0.5%) was observed									
		locally.									
		- S.G. at 170.00 m - 2.94 g/cc									
		180.00 m - 3.13 g/cc									
		190.00 m - 2.87 g/cc									
		- average S.G. = 2.98 g/cc									
197.30	211.40	RUBBLE ZONE/FAULT ZONE									
		- typical "rubble zone" type appearance									
		with angular fragments of core a few									
		centimetres in size. Some secondary									
		copper minerals (chalcocite, covellite)									
		occur principally as a coating on									
		pyrite grains.									
		- anhydrite veinlets are common in rocks									
		underlying rubble zone.									
		- S.G. at 200.00 m - 2.70 g/cc									
		210.00 m - 2.75 g/cc									
		- average S.G. = 2.72 g/cc									
218.29	252.00	FINE GRAINED LAPILLI TUFF									
		- noticeably different than previously	18354	217.00	220.00	3.00	98.00	<.005			0.16
		described interval in that groundmass is	18355	220.00	223.00	3.00	94.00	0.006			0.31
		is much finer grained and pervasively	18356	223.00	226.00	3.00	100.00	0.006			0.19
		chloritized.	18357	226.00	229.00	3.00	99.00	<.005			0.29
		- ankerite/epidote alteration is much les	18358	229.00	232.00	3.00	99.00	0.009			0.30
		common and virtualy fades out by 227.00m.	18359	232.00	235.00	3.00	99.00	0.007			0.33

METRES From	To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au oz/st	Ag ppm	Cu ppm	Cu %
		- increase in pervasive and stockwork silification particulary towards bottom of interval. Quartz veins and veinlets when not as stockwork are orientated at 40 degrees c/a.	18360	235.00	238.00	3.00	99.00	0.007			0.32
			18361	238.00	241.00	3.00	100.00	0.005			0.33
			18362	241.00	244.00	3.00	101.00	0.005			0.30
			18363	244.00	247.00	3.00	101.00	0.009			0.49
			18364	247.00	250.00	3.00	99.00	0.007			0.56
		- anhydrite veinlets usually less than 1 cm wide occur at random orientations.									
		- chalcopyrite occurs as fine grained, fracture controlled microveinlets and anhedral masses commonly with quartz but also with chlorite and anhydrite.									
		- the style of alteration and mineralization displayed in this interval is similar to that observed toward the bottom of hole 89-11.									
		- S.G. at 220.00 m - 2.94 g/cc 230.00 m - 2.86 g/cc 240.00 m - 2.86 g/cc 250.00 m - 2.99 g/cc									
		- average S.G. = 2.91 g/cc									
252.00	317.80	LAPILLI TUFF									
		- fine to medium grained, massive, sericitized and weakly chloritized sequence.	18365	250.00	253.00	3.00	97.00	0.006			0.46
			18366	253.00	256.00	3.00	100.00	<.005			0.18
			18367	256.00	259.00	3.00	97.00	<.005			0.29
		- sequence resembles previously described tuffaceous rocks. Mottled texture is observed in upper portion of the unit; probably a result of altered phenocysts. Grades into a coarse grained lapilli tuff at depth.	18368	259.00	262.00	3.00	101.00	<.005			0.19
			18369	262.00	265.00	3.00	99.00	<.005			0.24
			18370	265.00	268.00	3.00	97.00	<.005			0.39
			18371	268.00	271.00	3.00	97.00	<.005			0.18
			18372	271.00	274.00	3.00	98.00	<.005			0.21
			18373	274.00	277.00	3.00	101.00	0.006			0.25
		- quartz veins usually less than 1 cm wide are commmon. (1 per 25 cm) as are anhydrite veins (1 per m).	18374	277.00	280.00	3.00	98.00	0.005			0.26
			18375	280.00	283.00	3.00	97.00	0.006			0.23
			18376	283.00	286.00	3.00	98.00	0.008			0.31
		- chalcopyrite (< 1%) and lesser fine grained, black sulphide (tennantite) occur mainly as dissemenations in zones of moderate pervasive silification and less commonly in quartz veins. Chalcopyrite is less intimately associated with coarse sub to anhedral pyrite grains almost always along grain boundaries.	18377	286.00	289.00	3.00	98.00	0.015			0.27
			18378	289.00	292.00	3.00	100.00	0.009			0.32
			18379	292.00	295.00	3.00	98.00	0.005			0.25
			18380	295.00	298.00	3.00	96.00	0.009			0.42
			18381	298.00	301.00	3.00	100.00	0.009			0.42
			18382	301.00	304.00	3.00	99.00	0.009			0.44
			18383	304.00	307.00	3.00	99.00	<.005			0.20
			18384	307.00	310.00	3.00	97.00	<.005			0.12
			18385	310.00	313.00	3.00	100.00	0.005			0.18
			18386	313.00	316.00	3.00	95.00	0.007			0.37
			18387	316.00	317.77	1.77	96.00	0.006			0.43

METRES From	METRES To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au oz/st	Ag ppm	Cu ppm	Cu %
277.00	297.00	- grades into coarse grained lapilli tuff with abundant angular fragments up to 4 cm across. - general increase in pervasive chloritization toward base of section.									
253.60	253.94	ANDESITE DYKE - fine grained, pale green dyke that has been highly fractured and healed with quartz. - upper and lower contacts are sharp and orientated at 40 and 50 degrees, respectively. - chalcopyrite and tennantite appears to be decreasing below a depth of 310 m.									
317.77	320.20	ANDESITE DYKE - typical pale to medium green, fine grained texture. Cut by carbonate,quartz and lesser anhydrite veins predominantly brecciated at 60 degrees c/a. and less less than 1 cm wide. Quartz carbonate veins contain rare coarse blebs of chalcopyrite.	18388	317.77	320.20	2.43	98.00	<.005			0.01
320.20	327.05	LAPILLI TUFF/MEDIUM GRAINED TUFF - as described in 297.00 317.80. - characterized by sections displaying mottled and coarse fragmental texture. - chloritization is moderate and pervasive. - sharp decrease in chalcopyrite mineralization in this interval. - S.G. at 260.00 m - 2.94 g/cc 270.00 m - 2.88 g/cc 280.00 m - 2.93 g/cc 290.00 m - 2.89 g/cc 300.00 m - 2.78 g/cc 310.00 m - 2.80 g/cc 320.00 m - 2.80 g/cc - average S.G. = 2.86 g/cc DIP TEST (corrected) *at 285.60 m - 76 degrees* HOLE SHUT DOWN : LACK OF COPPER MINERALIZATION	18389	320.20	323.00	2.80	98.00	<.005			0.03
			18390	323.00	326.00	3.00	97.00	<.005			0.02
			18391	326.00	327.05	1.05	107.00	<.005			0.02

Ref	North	East	RL	Azim	Dip	Length	Category	Remarks
8918	10865.06	9398.45	1165.85	000	90	327.05	Tedray	Set-up at same pad as T89-9,9A on southern Tedray

FROM	Dist	WDTH	RQ	ROCKNAME	UNT	TXT	SI	QV	SE	CY	CH	EP	CB	GM	A1	A2	IN	PY	CP	SF	CC	NC	M1	M2
F																								
	71.6			CASING (OVBDN)																				
71.60	74	2.40	32	LPLL TUFF		FG	5	1	30	2	2		1				45	7						
74.00	77	3.00	34	LPLL TUFF		FG	3		25		2	1	1		1		35	7	.1					
77.00	78.2	1.20	38	LPLL TUFF		CG	1	1	20		5	3	1		2		35	10						
78.20	81	2.80	38	LPLL TUFF		CG	6		55	1							65	8	.5					
81.00	84	3.00	47	LPLL TUFF		CG	2	3	55								60	7	.5	.1				
84.00	87	3.00	46	LPLL TUFF		CG	6	2	45		3						60	9	.3	.1				
87.00	90	3.00	58	LPLL TUFF		CG	3	2	40		3						50	8	.2					
90.00	93	3.00	57	LPLL TUFF		CG		2	40		2						45	9	.2					
93.00	95	2.00	59	LPLL TUFF		CG		1	40		2						45	8	.1					
95.00	97	2.00	56	LPLL TUFF		CG		2	40		3						50	8	.2					
97.00	100	3.00	56	LPLL TUFF		F.CG	8	1	30		2	2			2		50	10	.3					
100.00	103	3.00	58	LPLL TUFF		F.CG	2	3	35		3	3			7		55	12	.5	.2				
103.00	106.25	3.25	57	LPLL TUFF		F.CG		3	35		3	5			10		60	9	.2	.1				
106.25	109	2.75	68	LPLL TUFF		MG		2	45		1						50	6	.5					
109.00	111	2.00	60	LPLL TUFF		MG		3	45		1		1				50	6	.2	.1				
111.00	112.85	1.85	60	LPLL TUFF		MG	1	2	45		2		1				55	6	.2	.2				
112.85	115	2.15	61	LPLL TUFF		MG	1	5	30		2	5	3		12		60	9	.3					
115.00	118	3.00	62	LPLL TUFF		MG	3	5	30		1	5	2		12		60	8	.3					
118.00	121	3.00	66	LPLL TUFF		MG	8	1	30		1	6	3		8	2	60	9	.5					
121.00	124	3.00	61	LPLL TUFF		MG	1	2	25		2	2			9	1	45	11	.3					
124.00	127	3.00	60	LPLL TUFF		MG	3	5	25		5	1			6	1	50	12	.3					
127.00	130	3.00	55	LPLL TUFF		MG	2	4	40		3		1		2		55	12	.3	.2				
130.00	133	3.00	65	LPLL TUFF		MG		1	40		2		1				45	9	.2	.1				
133.00	136	3.00	60	LPLL TUFF		MG		2	40		3	1			1	1	50	9	.3					
136.00	139	3.00	63	LPLL TUFF		MG	3	3	40		1					1	50	14	.5	.3				
139.00	142	3.00	62	LPLL TUFF		MG	4	2	40		2				1		50	10	.4	.2				
142.00	145	3.00	49	LPLL TUFF		MG	3	2	40		1				1		50	12	.5	.1				
145.00	148	3.00	65	LPLL TUFF		MG	3	1	40		1						45	12	.8					
148.00	151	3.00	59	LPLL TUFF		MG	1	2	40		1						45	9	.3	.2				
151.00	154	3.00	60	LPLL TUFF		MG		2	40		2						45	12	1	.2				
154.00	157	3.00	48	LPLL TUFF		MG	8	3	15		1	15			20		65	15	.3	.2				
157.00	160	3.00	57	LPLL TUFF		MG	4	2	25			8			10		50	13	.4	.3				
160.00	163	3.00	51	LPLL TUFF		MG	7		10		2	30			20		70	11	.4	.2				
163.00	166	3.00	51	LPLL TUFF		MG	7		20		1	20			20		70	12	.3	.1				
166.00	169	3.00	44	LPLL TUFF		MG	3		20			25			12		60	15	.8	.2				
169.00	172	3.00	44	LPLL TUFF		MG	3		15			10			20		50	12	.3	.2				
172.00	175	3.00	59	LPLL TUFF		MG	6		10		2	25			20		65	12	.8	.1				
175.00	178	3.00	59	LPLL TUFF		MG	7		20			15			10		60	12	.8	.3				
178.00	181	3.00	58	LPLL TUFF		MG	4		10		2	15			20		55	12	.5					
181.00	184	3.00	56	LPLL TUFF		MG	25		25		2	5			8		70	12	.3					
184.00	187	3.00	54	LPLL TUFF		MG	3		35		2	5			10		55	10	.3					
187.00	190	3.00	55	LPLL TUFF		MG	5	1	35		3	3			7		55	17	.5	.1				
190.00	193	3.00	54	LPLL TUFF		MG	5		30		1	6			3		50	12	.2					
193.00	196	3.00	42	LPLL TUFF		MG	8		25		3	3			2		45	10	.3	.1				
196.00	197.3	1.30	42	LPLL TUFF		MG	12		20		2	5			7		50	10	.3	.3				
197.30	200	2.70	33	LPLL TUFF		MG	3		40		2	5			2		55	8	.2	.2				
200.00	203	3.00	32	LPLL TUFF		MG	9	1	40		2	3			3		55	8	.3	.2	.2			
203.00	206	3.00	32	LPLL TUFF		MG	3		45		2	2			2		55	8	.2	.2	.3			
206.00	209	3.00	32	LPLL TUFF		MG	2		50		2	2			2		60	8	.1	.2	.3			
209.00	211.4	2.40	32	LPLL TUFF		MG	3		50			1			1		60	8	.3	.1	.4			
211.40	214	2.60	53	LPLL TUFF		MG			30		2	15			12	5	50	7	.2	.2				

Ref	North	East	RL	Azim	Dip	Length	Category	Remarks
8918	10865.06	9398.45	1165.85	000	90	327.05	Tedray	Set-up at same pad as T89-9,9A on southern Tedray

FROM	Dist	WDTH	RQ	ROCKNAME	UNT	TXT	SI	QV	SE	CY	CH	EP	CB	CM	A1	A2	IN	PY	CP	SP	CC	NC	M1	M2
F																								
214.00	217	3.00	51	LPLL TUFF		MG	2		20		2	10			8	12	55	6	.1					
217.00	220	3.00	57	LPLL TUFF		FG	5		20		10	8			5	2	50	7	.2					
220.00	223	3.00	51	LPLL TUFF		FG	8		20		15	3			7	2	55	9	.3					
223.00	226	3.00	57	LPLL TUFF		FG	7		20		5	5			12	2	55	8	.1					
226.00	229	3.00	58	LPLL TUFF		FG	8		18		12	4			5		50	8	.3					
229.00	232	3.00	55	LPLL TUFF		FG	7		20		20	1			3		55	7	.3					
232.00	235	3.00	57	LPLL TUFF		FG	10		20		18	2			5		55	8	.4					
235.00	238	3.00	57	LPLL TUFF		FG	12		25		15	7			5		65	10	.3	.1				
238.00	241	3.00	58	LPLL TUFF		FG	8		25		18	3			3	1	60	9	.4					
241.00	244	3.00	60	LPLL TUFF		FG	6		15		25	1			1	1	50	10	.5					
244.00	247	3.00	63	LPLL TUFF		FG	10		15		35						60	9	.3					
247.00	250	3.00	59	LPLL TUFF		FG	15		15		25	3				3	70	10	.8					
250.00	253	3.00	61	LPLL TUFF		FG	5		20		25	7			3	1	65	9	.5					
253.00	256	3.00	57	LPLL TUFF		F.MG	3	8	30		12	5	1		5		65	10	1	.1				
256.00	259	3.00	56	LPLL TUFF		F.MG	10		35		12					2	60	7	.2					
259.00	262	3.00	59	LPLL TUFF		F.MG	8		40		10						60	7	.4					
262.00	265	3.00	58	LPLL TUFF		F.MG	8		35		15						60	7	.4					
265.00	268	3.00	55	LPLL TUFF		F.MG	3		35		15						55	8	.7					
268.00	271	3.00	56	LPLL TUFF		F.MG	3		40		8						55	9	.4					
271.00	274	3.00	57	LPLL TUFF		F.MG	5		40		8		1			1	55	8	.7					
274.00	277	3.00	62	LPLL TUFF		F.MG	8		30		3					5	50	9	.5					
277.00	280	3.00	56	LPLL TUFF		F.MG	10		35		5				1	1	55	10	.8					
280.00	283	3.00	57	LPLL TUFF		F.MG	10		35		5					7	60	12	.8					
283.00	286	3.00	59	LPLL TUFF		F.MG	10		35		5					5	60	13	1					
286.00	289	3.00	53	LPLL TUFF		F.MG	12		35		6					2	60	10	.6					
289.00	292	3.00	59	LPLL TUFF		F.MG	5		30		10					2	50	9	.3					
292.00	295	3.00	60	LPLL TUFF		F.MG	5		30		12					2	50	7	.4					
295.00	298	3.00	55	LPLL TUFF		F.MG	3		30		12					4	50	7	.2					
298.00	301	3.00	52	LPLL TUFF		F.MG	3		35		8					2	50	7	.5					
301.00	304	3.00	49	LPLL TUFF		F.MG	7		30		12					2	55	8	1					
304.00	307	3.00	46	LPLL TUFF		F.MG	7		30		10					3	50	6	.5					
307.00	310	3.00	55	LPLL TUFF		F.MG	4		30		10					2	50	7	.4					
310.00	313	3.00	58	LPLL TUFF		F.MG	3		35		10					2	50	5	.2					
313.00	316	3.00	59	LPLL TUFF		F.MG	3		35		10					1	50	6	.2					
316.00	317.77	1.77	59	LPLL TUFF		F.MG	2		30		8						45	4	.1					
317.77	320.20	2.43	57	ANDS DYKE		FG		3	15		15		5			3	45	2						
320.20	323	2.80	56	LPLL TUFF		MG	3	1	30		15		2			1	55	4	.1					
323.00	326	3.00	58	LPLL TUFF		MG	5	1	30		12	1			1	3	55	5	.2					
326.00	327.05	1.05	52	LPLL TUFF		MG	3		25		15				1	1	45	5	.2					

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
• (604) 251-5656
• FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

SAMPLE #	Cu %	Au oz/st
18301	.02	<.005
18302	.03	<.005
18303	.02	<.005
18304	.02	<.005
18305	.03	<.005
18306	.03	<.005
18307	.04	.005
18308	.06	<.005
18309	.07	.005
18310	.04	<.005
18311	.04	<.005
18312	.04	<.005
18313	.04	<.005
18314	.03	<.005
18315	.02	<.005
18316	.02	<.005
18317	.02	<.005
18318	.11	<.005
18319	.04	<.005
18320	.04	.007
DETECTION LIMIT	.01	.005

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

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RENO, NEVADA, U.S.A.

SAMPLE #	Cu %	Au oz/st
18321	.04	<.005
18322	.04	<.005
18323	.04	<.005
18324	.04	<.005
18325	.03	<.005
18326	.09	.007
18327	.04	.005
18328	.05	<.005
18329	.08	.005
18330	.09	.010
18331	.10	.005
18332	.12	.008
18333	.08	.006
18334	.09	.006
18335	.07	.007
18336	.11	.007
18337	.10	.007
18338	.10	.011
18339	.13	.010
18340	.11	.011
DETECTION LIMIT	.01	.005

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

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BRANCH OFFICES
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BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

SAMPLE #	Cu %	Au oz/st
18341	.14	.008
18342	.14	.010
18343	.14	.009
18344	.21	.008
18345	.24	.007
18346	.50	.008
18347	.26	.005
18348	.33	<.005
18349	.30	<.005
18350	.44	<.005
18351	.55	<.005
18352	.08	<.005
18353	.08	<.005
18354	.16	<.005
18355	.31	.006
18356	.19	.006
18357	.29	<.005
18358	.30	.009
18359	.33	.007
18360	.32	.007
DETECTION LIMIT	.01	.005

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001I ppm = parts per million < = less than

signed: _____

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SAMPLE #	Cu %	Au oz/st
18361	.33	.005
18362	.30	.005
18363	.49	.009
18373	.25	.006
18374	.26	.005
18375	.23	.006
18376	.31	.008
18377	.27	.015
18378	.32	.009
18379	.25	.005
18380	.42	.009
18381	.42	.009
18382	.44	.009
18383	.20	<.005
18384	.12	<.005
18385	.18	.005
18386	.37	.007
18387	.43	.006
18388	.01	<.005
18389	.03	<.005
DETECTION LIMIT	.01	.005

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

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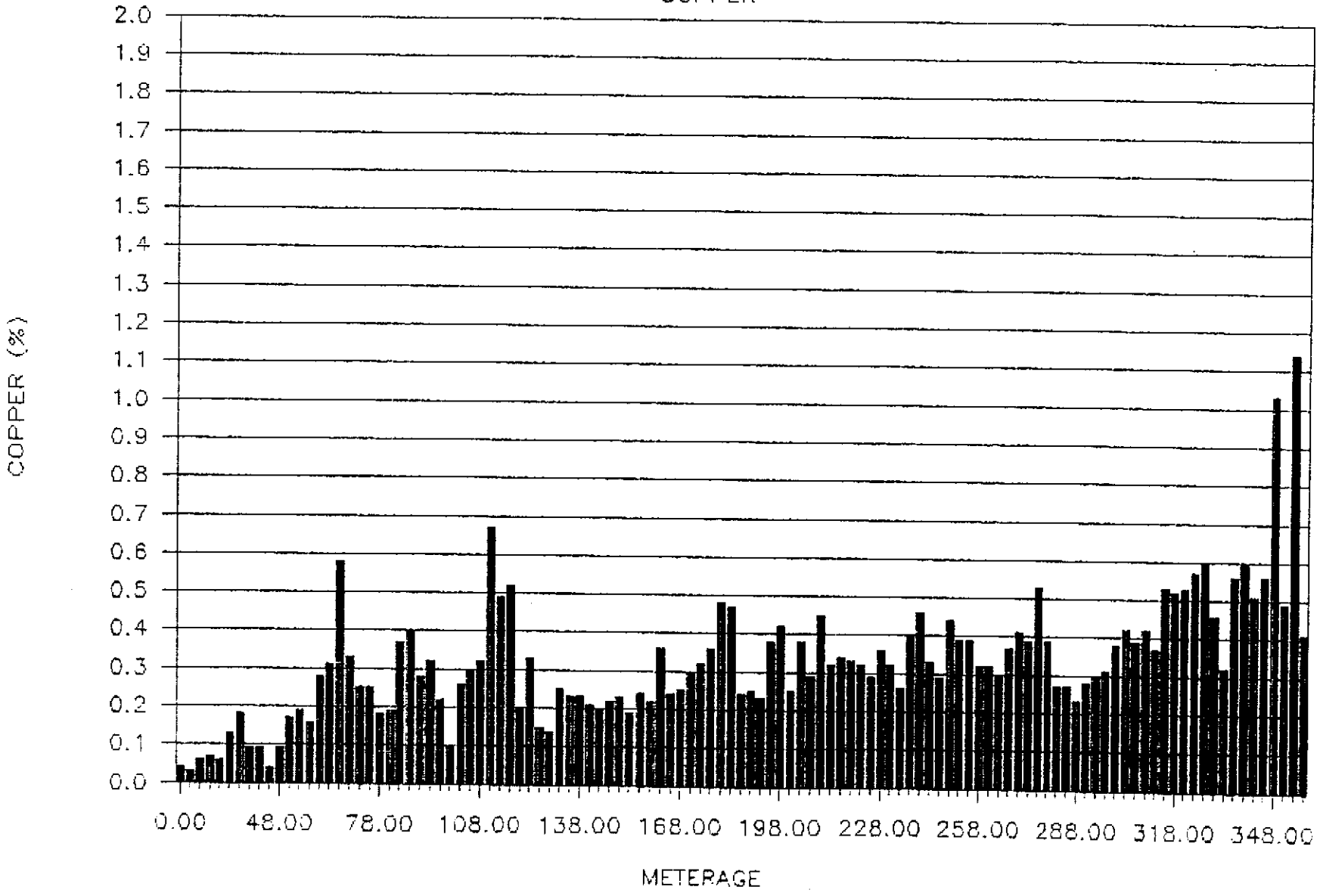
RENO, NEVADA, U.S.A.

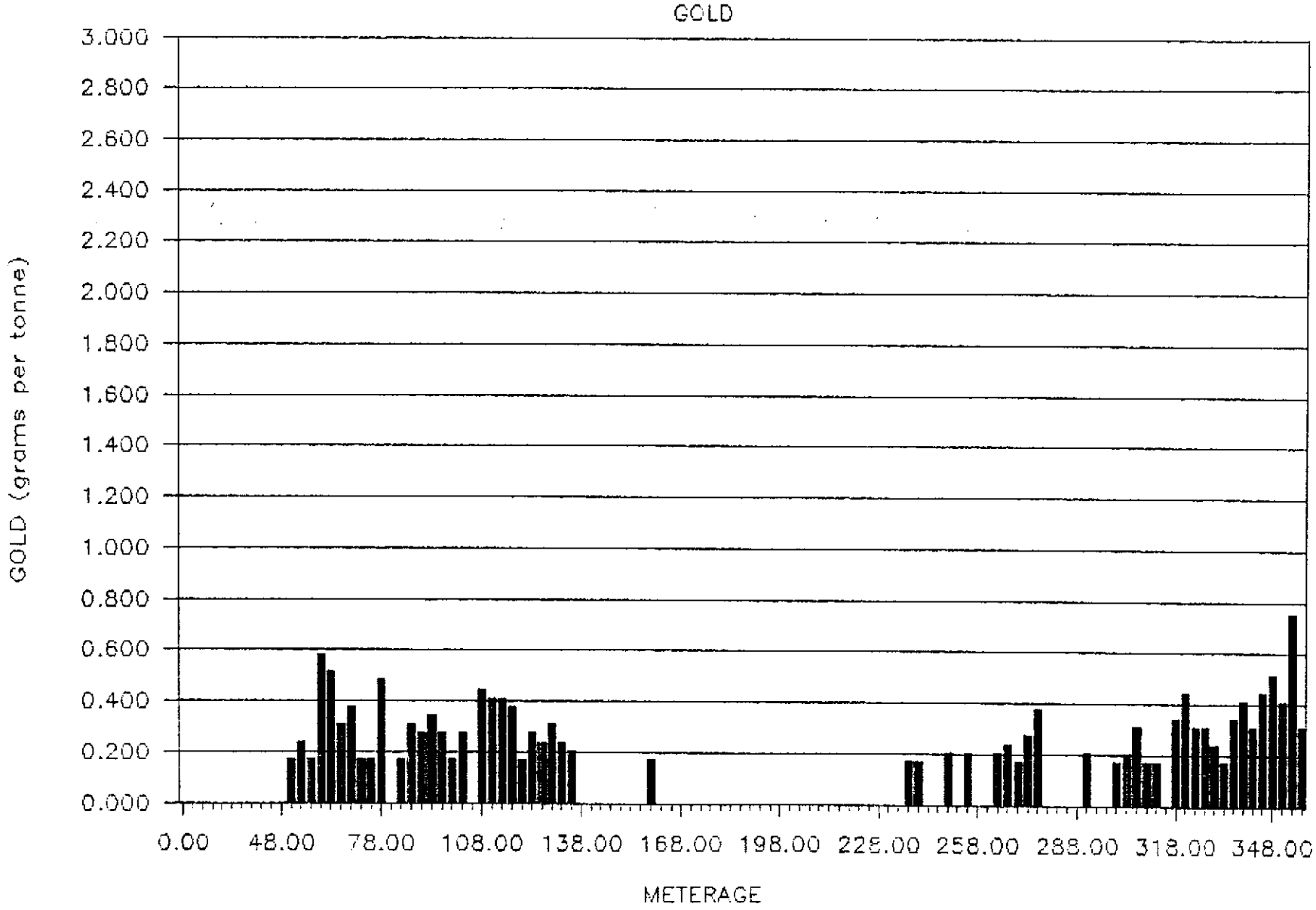
REPORT NUMBER: 890671 AA JOB NUMBER: B90671 **WESTERN CANADIAN MINING CORP.**

SAMPLE #	Cu %	Au oz/st
18364	.56	.007
18365	.46	.006
18366	.18	<.005
18367	.29	<.005
18368	.19	<.005
18369	.24	<.005
18370	.39	<.005
18371	.18	<.005
18372	.21	<.005
18391	.02	<.005
18390	.02	<.005

K89-19


COPPER
COPPER (%)
2.0
1.9
1.8
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
0.00
48.00
78.00
108.00
138.00
168.00
198.00
228.00
258.00
288.00
318.00
348.00
METERAGE

K89-19


GOLD
3.000
2.800
2.600
2.400
2.200
2.000
1.800
1.600
1.400
1.200
1.000
0.800
0.600
0.400
0.200
0.000
GOLD (grams per tonne)
0.00
48.00
78.00
108.00
138.00
168.00
198.00
228.00
258.00
288.00
318.00
348.00
METERAGE

D.D. HOLE No. K-89-19 PAGE: 1 of 5

Location	P-zone, north-west	Collar Northing	10563.60 m
Date Started	September 13, 1989	Easting	9410.80 m
Date Completed	September 17, 1989	Elevation	1272.80 m
Core Recovery	97.65 %	Azimuth	090 Dip -75 deg.
Drilled By	J.T.Thomas Drilling	Length	361.49 m
Logged By	S.Casselman,B.Butterworth	Hor. Proj.	124.58 m
Objective	Test B-zone down dip, west of hole K89-5	Vert. Proj.	338.19 m
		Core Size	NQ

METRES From	METRES To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au oz/st	Ag ppm	Cu ppm	Cu %
0	21.34	OVERBURDEN									
21.34	163.88	LAPILLI TUFF		0.00	21.34	21.34	0.00				
		- buff to pale grey rhyolitic fragments	18392	21.34	24.00	2.66	102.00	<.005			0.04
		in a medium grained, grey groundmass.	18393	24.00	27.00	3.00	97.00	<.005			0.03
		- fragments are very fine grained and	18394	27.00	30.00	3.00	99.00	<.005			0.06
		siliceous. Some fragments are subangular	18395	30.00	33.00	3.00	100.00	<.005			0.07
		to subrounded others appear to be 1-3 cm	18396	33.00	36.00	3.00	96.00	<.005			0.06
		wide beds orientated at 30 degrees C/A	18397	36.00	39.00	3.00	100.00	<.005			0.13
		- section is very competent (1 fracture/	18398	39.00	42.00	3.00	98.00	<.005			0.18
		30 cm) and massive with only a few	18399	42.00	45.00	3.00	100.00	<.005			0.09
		sections displaying a moderate foliation.	18400	45.00	48.00	3.00	99.00	<.005			0.09
		- some intervals have fewer fragments	18401	48.00	51.00	3.00	97.00	<.005			0.04
		and may be broken down into sub units of	18402	51.00	54.00	3.00	99.00	<.005			0.09
		medium to coarse tuff, separated by	18403	54.00	57.00	3.00	95.00	0.005			0.17
		gradational contacts.	18404	57.00	60.00	3.00	98.00	0.007			0.19
		- pervasive sericitization dominates	18405	60.00	63.00	3.00	88.00	0.005			0.16
		section, occuring principally within	18406	63.00	66.00	3.00	100.00	0.017			0.28
		groundmass. Fragments, being more	18407	66.00	69.00	3.00	98.00	0.015			0.31
		siliceous, have resisted alteration.	18408	69.00	72.00	3.00	99.00	0.009			0.58
		- Pyrite occurs as medium grained,	18409	72.00	75.00	3.00	100.00	0.011			0.33
		euhedral dissemenations and occasionally	18410	75.00	78.00	3.00	100.00	0.005			0.25
		as medium grained anhedral bands and	18411	78.00	81.00	3.00	94.00	0.005			0.25
		masses.	18412	81.00	84.00	3.00	95.00	0.014			0.18
			18413	84.00	87.00	3.00	100.00	<.005			0.19
32.83	32.97	- massive pyrite/chalcopyrite/quartz vein	18414	87.00	90.00	3.00	99.00	0.005			0.37
		Pyrite is very fine grained and pale in	18415	90.00	93.00	3.00	100.00	0.009			0.40
		colour possibly due to inclusions of	18416	93.00	96.00	3.00	95.00	0.008			0.28
		chalcopyrite. Massive pyrite occurs over	18417	96.00	99.00	3.00	99.00	0.010			0.32
		full 14 cm width with quartz concentrated	18418	99.00	102.00	3.00	100.00	0.008			0.22
		along margins of vein.	18419	102.00	105.00	3.00	97.00	0.005			0.10

METRES From	To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au oz/st	Ag ppm	Cu ppm	Cu %
		- chalcopyrite and lesser tennantite (fine grained, black sulphide) occur in quartz veins that vary in abundance throughout entire section. - very fine grained chalcopyrite also occurs locally as dissemenations in sericite groundmass.	18420	105.00	108.00	3.00	98.00	0.008			0.26
			18421	108.00	111.00	3.00	99.00	<.005			0.30
			18422	111.00	114.00	3.00	97.00	0.013			0.32
			18423	114.00	117.00	3.00	67.00	0.012			0.67
			18424	117.00	120.00	3.00	88.00	0.012			0.49
			18425	120.00	123.00	3.00	103.00	0.011			0.52
			18426	123.00	126.00	3.00	76.00	0.005			0.20
			18427	126.00	129.00	3.00	99.00	0.008			0.33
32.83	43.20	- two types of pyrite observed: 1) medium to coarse grained sub to euhedral veins and bands usually without accessory minerals such as quartz, chalcopyrite or tennantite. 2) very fine to fine grained pyrite with or without inclusion of chalcopyrite as blebs or wisps. Quartz is dominant gange mineral. - a pale green micaceous mineral (mariposite?) occurs occasionally as blebs up to 2 mm across.	18428	129.00	132.00	3.00	100.00	0.007			0.15
			18429	132.00	135.00	3.00	94.00	0.009			0.14
			18430	135.00	138.00	3.00	100.00	0.007			0.25
			18431	138.00	141.00	3.00	60.00	0.006			0.23
			18432	141.00	144.00	3.00	73.00	<.005			0.23
			18433	144.00	147.00	3.00	103.00	<.005			0.21
			18434	147.00	150.00	3.00	97.00	<.005			0.20
			18435	150.00	153.00	3.00	100.00	<.005			0.22
54.34	55.10	FAULT ZONE - quartz/pyrite vein 2 cm wide and orientated at 20 degrees to C/A occurs in well foliated and fractured zone. Chalcopyrite is intimately associated with pyrite as to is a fine grained black sulphide in the quartz/pyrite vein.									
43.20	56.59	- noticeable decrease in pyrite/quartz chalcopyrite veins as previously described.									
57.75	58.35	- fault zone - minor secondary copper minerals (chalcocite and covelite) occur on fracture surfaces.									
56.59	72.30	Increased frequency of quartz veins commonly with dissemenated and coarse blebs of chalcopyrite and hairline veinlets of black sulphide. Occasional massive chalcopyrite/pyrite/quartz vein (< 1 cm wide) orientated at 50 degrees to C/A.									
63.50	127.60	- patchy, pale yellow ankerite/epidote alteration.									

METRES From	METRES To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au oz/st	Ag ppm	Cu ppm	Cu %
72.30	153.88	- as described for 56.59 - 72.30 with fewer quartz veins, zones of silicification chalcopyrite and tennantite (0.2 - 0.5% Cp). Up to 1% chalcopyrite occurs over 2-3 metre widths locally throughout interval.									
at 135.00		- increase in frequency of quartz/pyrite-chalcopyrite veins. Veins are typically < 1 cm wide and of varying atitude. First signs of chlorite occur with quartz in veins. Silification is moderately pervasive commonly with blebs of tennantite.									
		- S.G. at 30.00 m - 2.96 g/cc 40.00 m - 2.87 g/cc 50.00 m - 2.95 g/cc 60.00 m - 2.90 g/cc 70.00 m - 3.01 g/cc 80.00 m - 2.91 g/cc 90.00 m - 2.93 g/cc 100.00 m - 2.88 g/cc 110.00 m - 2.90 g/cc 120.00 m - 2.79 g/cc 130.00 m - 3.21 g/cc 140.00 m - 2.93 g/cc 150.00 m - 3.03 g/cc - average S.G. = 2.94 g/cc									
153.88	190.93	LAPILLI TUFF - noticeable increase in pervasive chloritization along with patchy ankerite/epidote. - top of sequence is highly fractured with fractures having been infilled with anhydrite. - distinctive texture as chlorite is concentrated along margins of fragments. - chalcopyrite occurs with pyrite as fine dissemenations and microveinlets in quartz veins. - gradual increase in silicification from 176.30 m and sharp increase in chalcopyrite as dissemenations typically without pyrite. It is from here that core starts to resemble chlorite/quartz/ chalcopyrite/ anhydrite style of	18436	153.00	156.00	3.00	97.00	<.005			0.23
			18437	156.00	159.00	3.00	96.00	<.005			0.19
			18438	159.00	162.00	3.00	101.00	<.005			0.24
			18439	162.00	165.00	3.00	94.00	0.005			0.22
			18440	165.00	168.00	3.00	100.00	<.005			0.36
			18441	168.00	171.00	3.00	98.00	<.005			0.24
			18442	171.00	174.00	3.00	102.00	<.005			0.25
			18443	174.00	177.00	3.00	101.00	<.005			0.30
			18444	177.00	180.00	3.00	99.00	<.005			0.32
			18445	180.00	183.00	3.00	99.00	<.005			0.36
			18446	183.00	186.00	3.00	99.00	<.005			0.48
			18447	186.00	189.00	3.00	99.00	<.005			0.47

METRES From	METRES To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au oz/st	Ag ppm	Cu ppm	Cu %
		mineralization observed at the bottom of holes 89-4 and 89-11. - S.G. at 160.00 m - 2.87 g/cc 170.00 m - 2.73 g/cc 180.00 m - 2.90 g/cc 190.00 m - 2.90 g/cc - average S.G. = 2.85 g/cc									
190.93	318.20	LAPILLI/CRYSTAL TUFF - a lithologic change has been inferred here based upon an increase in chlorite content and the fine grained homogenous nature of the rock - sequence, as was described in the previous section, continues to show strong pervasive chloritization and silification. Anhydrite veins are common, forming stockwork-like zones throughout. - chalcopyrite occurs as coarse blebs and fine dissemenations throughout silicified zones and to a lesser degree, chlorite zones. Chalcopyrite usually occurs as solitary grains and not intimately associated with pyrtie as was observed in the upper portions of the hole. This style of mineralization and alteration is observed at the bottom of the hole 89-4 and 89-11, and is more typical of a deeper,porphyry style of mineralization. A black sulphide mineral (tennantite) is common and usually occurs as hairline fracture fillings along the margins of quartz veins. - S.G. at 200.00 m - 2.85 g/cc 210.00 m - 2.87 g/cc 220.00 m - 2.91 g/cc 230.00 m - 2.96 g/cc 240.00 m - 2.91 g/cc 250.00 m - 2.85 g/cc 260.00 m - 2.94 g/cc 270.00 m - 2.94 g/cc 280.00 m - 2.95 g/cc 290.00 m - 2.91 g/cc 300.00 m - 2.89 g/cc 310.00 m - 2.89 g/cc - average S.G. = 2.91 g/cc	18448	189.00	192.00	3.00	101.00	<.005			0.24
			18449	192.00	195.00	3.00	97.00	<.005			0.25
			18450	195.00	198.00	3.00	100.00	<.005			0.23
			18451	198.00	201.00	3.00	103.00	<.005			0.38
			18452	201.00	204.00	3.00	99.00	<.005			0.42
			18453	204.00	207.00	3.00	97.00	<.005			0.25
			18454	207.00	210.00	3.00	101.00	<.005			0.38
			18455	210.00	213.00	3.00	99.00	<.005			0.29
			18456	213.00	216.00	3.00	100.00	<.005			0.45
			18457	216.00	219.00	3.00	99.00	<.005			0.32
			18458	219.00	222.00	3.00	98.00	<.005			0.34
			18459	222.00	225.00	3.00	100.00	<.005			0.33
			18460	225.00	228.00	3.00	100.00	<.005			0.32
			18461	228.00	231.00	3.00	100.00	<.005			0.29
			18462	231.00	234.00	3.00	98.00	<.005			0.36
			18463	234.00	237.00	3.00	98.00	<.005			0.32
			18464	237.00	240.00	3.00	101.00	<.005			0.26
			18465	240.00	243.00	3.00	100.00	0.005			0.40
			18466	243.00	246.00	3.00	97.00	0.005			0.46
			18467	246.00	249.00	3.00	101.00	<.005			0.33
			18468	249.00	252.00	3.00	96.00	<.005			0.29
			18469	252.00	255.00	3.00	102.00	0.006			0.44
			18470	255.00	258.00	3.00	98.00	<.005			0.39
			18471	258.00	261.00	3.00	100.00	0.006			0.39
			18472	261.00	264.00	3.00	97.00	<.005			0.32
			18473	264.00	267.00	3.00	103.00	<.005			0.32
			18474	267.00	270.00	3.00	96.00	0.006			0.30
			18475	270.00	273.00	3.00	101.00	0.007			0.37
			18476	273.00	276.00	3.00	98.00	0.005			0.41
			18477	276.00	279.00	3.00	99.00	0.008			0.39
			18478	279.00	282.00	3.00	100.00	0.011			0.53
			18479	282.00	285.00	3.00	100.00	<.005			0.39
			18480	285.00	288.00	3.00	99.00	<.005			0.27
			18481	288.00	291.00	3.00	98.00	<.005			0.27
			18482	291.00	294.00	3.00	99.00	<.005			0.23
			18483	294.00	297.00	3.00	96.00	0.006			0.28
			18484	297.00	300.00	3.00	102.00	<.005			0.30
			18485	300.00	303.00	3.00	99.00	<.005			0.31
			18486	303.00	306.00	3.00	101.00	0.005			0.38

METRES From	METRES To	DESCRIPTION	SAMPLING Spl.#	From	To	m	Rec %	Au oz/st	Ag ppm	Cu ppm	Cu %
			18487	306.00	309.00	3.00	98.00	0.006			0.42
			18488	309.00	312.00	3.00	100.00	0.009			0.39
			18489	312.00	315.00	3.00	100.00	0.005			0.42
			18490	315.00	318.00	3.00	99.00	0.005			0.37
318.20	321.20	LAPILLI TUFF - sequence grades into coarse grained tuff with distinctive rhyolite to dacitic rock fragments that have not undergone chlorite alteration. The groundmoss is silicifed and chloritized as in previous intervals. - chalcopyrite occurs entirely within the groundmoss of the sequence as narrow veinlets usually < 1 mm wide.	18491	318.00	321.00	3.00	95.00	<.005			0.53
321.20	361.49	LAPILLI TUFF - as described for 190.93 - 318.20 m. - general increase in pervasive silification and chloritization toward bottom of the hole. Chalcopyrite occurs throughout interval as previously described increasing in concentration, locally to 5% with depth.	18492	321.00	324.00	3.00	100.00	0.010			0.52
			18493	324.00	327.00	3.00	96.00	0.013			0.53
			18494	327.00	330.00	3.00	97.00	0.009			0.57
			18495	330.00	333.00	3.00	100.00	0.009			0.60
			18496	333.00	336.00	3.00	100.00	0.007			0.46
			18497	336.00	339.00	3.00	98.00	0.005			0.32
			18498	339.00	342.00	3.00	102.00	0.010			0.56
			18499	342.00	345.00	3.00	97.00	0.012			0.60
321.20	324.50	- strong to intense pervasive silification with abundant tenmantile.	18500	345.00	348.00	3.00	99.00	0.009			0.51
			18501	348.00	351.00	3.00	97.00	0.013			0.56
			18502	351.00	354.00	3.00	99.00	0.015			1.03
			18503	354.00	357.00	3.00	99.00	0.012			0.49
			18504	357.00	360.00	3.00	102.00	0.022			1.14
			18505	360.00	361.49	1.49	100.00	0.009			0.41
		DIP TEST (corrected) at 303.58 m -66 degrees									
		HOLE STOPPED : NO RODS REMAINING TO CONTINUE									

Ref	North	East	RL	Azim	Dip	Length	Category	Remarks
8919	10563.60	9410.80	1272.80	90	75	361.49	F-Zone	West of K89-3.4 test B-zone down dip

FROM	Dist	WDTH	RQ	ROCKNAME	UNT	TXT	SI	OV	SE	CY	CH	EP	CB	GM	A1	A2	IN	PY	CP	SP	CC	NC	M1	M2
F																								
	21.34			OVBDN\CASING																				
21.34	24	2.66	34	LPLL TUFF		F.MG	1	2	35	3	1						45	7	.3					
24.00	27	3.00	46	LPLL TUFF		F.MG	5		35	1	1						45	8	.2	.2				
27.00	30	3.00	43	LPLL TUFF		F.MG	5	2	40		3				3		55	8	.2	.3				
30.00	33	3.00	46	LPLL TUFF		F.MG	5	1	35		3				1		45	15	1	.3				
33.00	36	3.00	43	LPLL TUFF		F.MG	3	1	35		2	1			2		45	9	.3	.2				
36.00	39	3.00	48	LPLL TUFF		F.MG	5		40		2				2		50	15	2	.5				
39.00	42	3.00	55	LPLL TUFF		F.MG	3	1	50		2				1		60	12	.2	.3				
42.00	45	3.00	55	LPLL TUFF		F.MG	8		50		1						60	10	.4	.4				
45.00	48	3.00	50	LPLL TUFF		F.MG	2		65		1						70	8	.2	.5				
48.00	51	3.00	60	LPLL TUFF		F.MG	3	1	50		2	2			3		65	9	.3	.3				
51.00	54	3.00	62	LPLL TUFF		F.MG	2		55		3	1			3		65	9	.2	.1				
54.00	57	3.00	33	LPLL TUFF		F.MG	2		60		2						65	7	.2	.2				
57.00	60	3.00	33	LPLL TUFF		F.MG	7		55		3	1			2		70	9	.8	.6				
60.00	63	3.00	43	LPLL TUFF		F.MG	5	2	55		2				1		65	9	.7	.4				
63.00	66	3.00	48	LPLL TUFF		F.MG	8	2	50		3	1			2		70	10	.4	.6				
66.00	69	3.00	57	LPLL TUFF		F.MG	10	2	45		3	3			5		70	15	.7	1				
69.00	72	3.00	59	LPLL TUFF		F.MG	10		50		3	2			4		70	15	1.5	1	.2			
72.00	75	3.00	56	LPLL TUFF		F.MG	7		50		2	3			8		70	12	1.5	.8	.2			
75.00	78	3.00	55	LPLL TUFF		F.MG	3		55		1	1			1		65	8	.4	.3				
78.00	81	3.00	36	LPLL TUFF		F.MG	3		50		4	1			7		65	9	.3	.3	.1			
81.00	84	3.00	56	LPLL TUFF		F.MG	3		55		3	1			5		70	8	.4	.2	.1			
84.00	87	3.00	45	LPLL TUFF		F.MG	2		55		2	1			5		65	9	.4	.2				
87.00	90	3.00	56	LPLL TUFF		F.MG	5		50		1	1			2		60	10	.4	.5				
90.00	93	3.00	50	LPLL TUFF		F.MG	5	1	50		2	3			7		70	8	.5	.2				
93.00	96	3.00	52	LPLL TUFF		F.MG	10	1	40		1	2			15		70	9	.5	.1				
96.00	99	3.00	56	LPLL TUFF		F.MG	10		40		1	2			10		65	9	1	.3				
99.00	102	3.00	57	LPLL TUFF		F.MG	7		35		1	2			10		60	10	.4	.4				
102.00	105	3.00	60	LPLL TUFF		F.MG	5	1	35		1	3			12		60	10	.3	.4				
105.00	108	3.00	55	LPLL TUFF		F.MG	6	1	30		2	5			15		60	9	.6	.4				
108.00	111	3.00	55	LPLL TUFF		F.MG	3		35		2	3			10		55	8	.8	.3				
111.00	114	3.00	55	LPLL TUFF		F.MG	5	1	40		2	5			7		60	9	.7	.7				
114.00	117	3.00	52	LPLL TUFF		F.MG	5	2	35		5	3			5		55	10	2	.7				
117.00	120	3.00	51	LPLL TUFF		F.MG	3		40		3	3			3		55	9	.3	.2				
120.00	123	3.00	48	LPLL TUFF		F.MG	5		35		5	3			7		55	9	.4	.5	.5			
123.00	126	3.00	51	LPLL TUFF		F.MG	5		35	1	3	2			5		50	8	.2	.3	.1			
126.00	129	3.00	56	LPLL TUFF		F.MG	3		40	1	3	1			2		50	7	.2	.2	.1			
129.00	132	3.00	54	LPLL TUFF		F.MG	2		45	1	2				1		55	8	.2					
132.00	135	3.00	54	LPLL TUFF		F.MG	2		40		1				1		45	10	.3	.1				
135.00	138	3.00	51	LPLL TUFF		F.MG	3		40		1				1		45	10	.3	.1				
138.00	141	3.00	52	LPLL TUFF		F.MG	2		40		1	1			3		50	12	.5					
141.00	144	3.00	49	LPLL TUFF		F.MG	2	2	40		3	1			3		55	8	.2	.1				
144.00	147	3.00	40	LPLL TUFF		F.MG	5	2	40		2				1		55	9	.3	.3				
147.00	150	3.00	59	LPLL TUFF		F.MG	5	2	40		1				1	1	50	8	.5	.5				
150.00	153	3.00	57	LPLL TUFF		F.MG	5	1	40							3	50	12	.8	.4				
153.00	156	3.00	58	LPLL TUFF		F.MG	3	1	40		2	1			5	8	65	10	.5	.5				
156.00	159	3.00	53	LPLL TUFF		F.MG	3	1	40		2	2			8	7	65	8	.5	.3				
159.00	162	3.00	54	LPLL TUFF		F.MG	3	1	30		2	3			12	3	60	10	.8	.7				
162.00	165	3.00	52	LPLL TUFF		F.MG	3	2	35		3	3			15	5	70	12	.3	.4				
165.00	168	3.00	51	LPLL TUFF		F.MG	7	2	35		3	3			10	3	65	10	.4	.3				
168.00	171	3.00	55	LPLL TUFF		F.MG	3	1	35		4	4			6	7	60	10	.5	.2				
171.00	174	3.00	57	LPLL TUFF		F.MG	3	1	20		2	5			25	15	70	8	.4	.1				

Ref	North	East	RL	Azim	Dip	Length	Category	Remarks
8919	10563.60	9410.80	1272.80	90	75	361.49	P-Zone	West of K89-3,4 test B-zone down dip

FROM	Dist	WDTH	RQ	ROCKNAME	UNT	TXT	SI	QV	SE	CY	CH	EP	CB	GM	A1	A2	IN	PY	CP	SP	CC	NC	M1	M2
F																								
174.00	177	3.00	56	LPLL TUFF		F.MG	2	1	30		2	2			25	20	85	8	1	.2				
177.00	180	3.00	59	LPLL TUFF		F.MG	2	1	20		3	5			20	30	85	10	.7	.2				
180.00	183	3.00	57	LPLL TUFF		F.MG	3	1	35		10				5	5	60	10	.7	.2				
183.00	186	3.00	58	LPLL TUFF		F.MG	5		40		10	1			1	10	70	12	.7	.1				
186.00	189	3.00	56	LPLL TUFF		F.MG	4	1	35		3					10	55	9	.7	.5				
189.00	192	3.00	53	LPLL\XTAL TUFF		F.CG	3	1	35		10					2	55	6	.3	.2				
192.00	195	3.00	56	LPLL\XTAL TUFF		F.CG	5	3	40		8						60	6	.5	.7				
195.00	198	3.00	51	LPLL\XTAL TUFF		F.CG	3		40		5					5	55	6	.3	.3				
198.00	201	3.00	47	LPLL\XTAL TUFF		F.CG	8	1	35		8					7	60	10	1	.5				
201.00	204	3.00	57	LPLL\XTAL TUFF		F.CG	10	2	30		12					5	60	8	.3	.4				
204.00	207	3.00	55	LPLL\XTAL TUFF		F.CG	10	2	25		18					2	60	8	.2	.2				
207.00	210	3.00	55	LPLL\XTAL TUFF		F.CG	10	2	25		20					5	65	8	.5	.3				
210.00	213	3.00	57	LPLL\XTAL TUFF		F.CG	15		30		15					8	70	8	.8	.2				
213.00	216	3.00	63	LPLL\XTAL TUFF		F.CG	12		35		8	2			1	2	60	9	.4	.3				
216.00	219	3.00	57	LPLL\XTAL TUFF		F.CG	15		35		10					2	65	8	.3	.2				
219.00	222	3.00	57	LPLL\XTAL TUFF		F.CG	8		35		8						55	9	.5					
222.00	225	3.00	62	LPLL\XTAL TUFF		F.CG	5	1	30		10					2	50	9	.5	.1				
225.00	228	3.00	57	LPLL\XTAL TUFF		F.CG	10		35		10					1	60	10	.6	.2				
228.00	231	3.00	57	LPLL\XTAL TUFF		F.CG	3		20		25						50	6	.2	.1				
231.00	234	3.00	55	LPLL\XTAL TUFF		F.CG	4		30		8					4	50	10	.5					
234.00	237	3.00	55	LPLL\XTAL TUFF		F.CG	2		35		5					5	50	11	.3	.1				
237.00	240	3.00	53	LPLL\XTAL TUFF		F.CG	5		25		15					5	55	7	.3					
240.00	243	3.00	57	LPLL\XTAL TUFF		F.CG	7		35		7					1	50	7	.3	.3				
243.00	246	3.00	55	LPLL\XTAL TUFF		F.CG	7		35		5					2	50	9	.8	.2				
246.00	249	3.00	58	LPLL\XTAL TUFF		F.CG	5		30		7					1	45	8	.5	.3				
249.00	252	3.00	56	LPLL\XTAL TUFF		F.CG	5		35		5					1	50	9	.8	.3				
252.00	255	3.00	59	LPLL\XTAL TUFF		F.CG	3		35		5				1	2	50	9	.6	.3				
255.00	258	3.00	62	LPLL\XTAL TUFF		F.CG	20		25		2				1	5	55	8	.7	.2				
258.00	261	3.00	57	LPLL\XTAL TUFF		F.CG	12		30		2				1	2	50	7	.4	.1				
261.00	264	3.00	59	LPLL\XTAL TUFF		F.CG	8		30		7						50	7	.4	.3				
264.00	267	3.00	58	LPLL\XTAL TUFF		F.CG	5		35		4					2	50	7	.3	.2				
267.00	270	3.00	58	LPLL\XTAL TUFF		F.CG	8		35		5					2	50	7	.4	.1				
270.00	273	3.00	56	LPLL\XTAL TUFF		F.CG	5		30		10					1	50	7	.6	.3				
273.00	276	3.00	58	LPLL\XTAL TUFF		F.CG	5		30		10					1	50	7	.3	.2				
276.00	279	3.00	59	LPLL\XTAL TUFF		F.CG	3		30		12					1	50	6	.2					
279.00	282	3.00	57	LPLL\XTAL TUFF		F.CG	4		30		10						45	6	.4					
282.00	285	3.00	57	LPLL\XTAL TUFF		F.CG	5		30		10					1	50	7	.4					
285.00	288	3.00	59	LPLL\XTAL TUFF		F.CG	3		20		25					3	55	8	.2					
288.00	291	3.00	54	LPLL\XTAL TUFF		F.CG	3		15		30					3	55	7	.1					
291.00	294	3.00	58	LPLL\XTAL TUFF		F.CG	3		20		30					3	60	6	.3					
294.00	297	3.00	59	LPLL\XTAL TUFF		F.CG	5		20		30					2	60	6	.4					
297.00	300	3.00	54	LPLL\XTAL TUFF		F.CG	6		25		20					1	55	6	.3					
300.00	303	3.00	55	LPLL\XTAL TUFF		F.CG	3		30		18					2	55	7	.2					
303.00	306	3.00	59	LPLL\XTAL TUFF		F.CG	2		30		15				1	1	50	5	.3					
306.00	309	3.00	58	LPLL\XTAL TUFF		F.CG	3		35		8					1	50	7	.7					
309.00	312	3.00	56	LPLL\XTAL TUFF		F.CG	5		35		5					10	55	6	.5					
312.00	315	3.00	57	LPLL\XTAL TUFF		F.CG	5		35		5					8	55	8	.8					
315.00	318	3.00	56	LPLL\XTAL TUFF		F.CG	7		35		5					5	55	6	.6	.8				
318.00	321	3.00	55	LPLL TUFF		F.CG	7		35		3					5	50	7	.7	.2				
321.00	324	3.00	57	LPLL TUFF		F.CG	5		35		5					5	50	12	.5	1				
324.00	327	3.00	54	LPLL TUFF		F.CG	10		30		5					5	55	10	.8	1.5				
327.00	330	3.00	58	LPLL TUFF		F.CG	15		30		7					3	60	9	.6	.8				

Ref	North	East	RL	Azim	Dip	Length	Category	Remarks
8919	10563.60	9410.80	1272.80	90	75	361.49	F-Zone	West of K89-3,4 test B-zone down dip

FROM	Dist	WDTH	RQ	ROCKNAME	UNT	TXT	SI	OV	SE	CY	CH	EP	CB	GM	A1	A2	IN	PY	CP	SP	CC	NC	M1	M2
F																								
330.00	333	3.00	55	LPLL TUFF		F.CG	5		35		10					1	55	7	.3	.3				
333.00	336	3.00	59	LPLL TUFF		F.CG	7		30		10					2	50	8	.8	.2				
336.00	339	3.00	57	LPLL TUFF		F.CG	10		35		12					1	60	7	.6	.2				
339.00	342	3.00	55	LPLL TUFF		F.CG	5		35		12					2	55	7	.5	.2				
342.00	345	3.00	59	LPLL TUFF		F.CG	5		30		18					5	60	7	.4	.4				
345.00	348	3.00	55	LPLL TUFF		F.CG	6		35		15					3	60	6	.4	.5				
348.00	351	3.00	55	LPLL TUFF		F.CG	7		30		15					1	55	7	.3	.5				
351.00	354	3.00	56	LPLL TUFF		F.CG	8		35		7						50	7	.7	.4				
354.00	357	3.00	55	LPLL TUFF		F.CG	3		25		20					5	55	7	.9	.3				
357.00	360	3.00	55	LPLL TUFF		F.CG	5		35		15					2	60	9	.7	.3				
360.00	361.49	1.49	55	LPLL TUFF		F.CG	5		35		8					5	55	10	.9	.2				

-

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
• (604) 251-5656
• FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 890671 AA JOB NUMBER: B90671 WESTERN CANADIAN MINING CORP.

SAMPLE #	Cu %	Au oz/st
18392	.04	<.005
18393	.03	<.005
18394	.06	<.005
18395	.07	<.005
18396	.06	<.005
18397	.13	<.005
18398	.18	<.005
18399	.09	<.005
18400	.09	<.005
18421	.30	<.005
DETECTION LIMIT	.01	.005

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

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RENO, NEVADA, U.S.A.

SAMPLE #	Cu %	Au oz/st
18401	.04	<.005
18402	.09	<.005
18403	.17	.005
18404	.19	.007
18405	.16	.005
18406	.28	.017
18407	.31	.015
18408	.58	.009
18409	.33	.011
18410	.25	.005
18411	.25	.005
18412	.18	.014
18413	.19	<.005
18414	.37	.005
18415	.40	.009
18416	.28	.008
18417	.32	.010
18418	.22	.008
18419	.10	.005
DETECTION LIMIT	.01	.005

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

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SAMPLE #	Cu %	Au oz/st
18420	.26	.008
18422	.32	.013
18423	.67	.012
18424	.49	.012
18425	.52	.011
18426	.20	.005
18427	.33	.008
18428	.15	.007
18429	.14	.009
18430	.25	.007
18431	.23	.006
18432	.23	<.005
18433	.21	<.005
18434	.20	<.005
18435	.22	<.005
18436	.23	<.005
18437	.19	<.005
18438	.24	<.005
18439	.22	.005
18440	.36	<.005
DETECTION LIMIT	.01	.005

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

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RENO, NEVADA, U.S.A.

SAMPLE #	Cu %	Au oz/st
18441	.24	<.005
18442	.25	<.005
18443	.30	<.005
18444	.32	<.005
18445	.36	<.005
18446	.48	<.005
18447	.47	<.005
18448	.24	<.005
18449	.25	<.005
18450	.23	<.005
18451	.38	<.005
18452	.42	<.005
18453	.25	<.005
18454	.38	<.005
18455	.29	<.005
18456	.45	<.005
18457	.32	<.005
18458	.34	<.005
18459	.33	<.005
18460	.32	<.005
DETECTION LIMIT	.01	.005

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

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BRANCH OFFICES
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MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

SAMPLE #	Cu %	Au oz/st
18461	.29	<.005
18462	.36	<.005
18463	.32	<.005
18464	.26	<.005
18465	.40	.005
18466	.46	.005
18467	.33	<.005
18468	.29	<.005
18469	.44	.006
18470	.39	<.005
18471	.39	.006
18472	.32	<.005
18473	.32	<.005
18474	.30	.006
18475	.37	.007
18476	.41	.005
18477	.39	.008
18478	.53	.011
18479	.39	<.005
18480	.27	<.005
DETECTION LIMIT	.01	.005

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

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RENO, NEVADA, U.S.A.

SAMPLE #	Cu %	Au oz/st
18481	.27	<.005
18482	.23	<.005
18483	.28	.006
18484	.30	<.005
18485	.31	<.005
18486	.38	.005
18487	.42	.006
18488	.39	.009
18489	.42	.005
18490	.37	.005
18491	.53	<.005
18492	.52	.010
18493	.53	.013
18494	.57	.009
18495	.60	.009
18496	.46	.007
18497	.32	.005
18498	.56	.010
18499	.60	.012
18500	.51	.009
DETECTION LIMIT	.01	.005

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001I ppm = parts per million < = less than

signed: _____

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SAMPLE #	Cu %	Au oz/st
18501	.56	.013
18502	1.03	.015
18503	.49	.012
18504	1.14	.022
18505	.41	.009
DETECTION LIMIT	.01	.005

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

EAST →

K89-4 (projected 9.4m. north)
Collar: 10540.59N, 9545.72E
Bearing: Vertical, Dip: -90°
El.: 1341.17m.
– thin wall rods

K89-3 (projected 9.4m. north)
Collar: 10540.59N, 9546.06E
Bearing: 090°, Dip: -60°
El.: 1341.17m.
– thin wall rods

K89-2 (projected 11.5m. south)
Collar: 10561.51N, 9660.27E
Bearing: 088°, Dip: -60°
El.: 1339.11m.
– thin wall rods

K89-19 (projected 13.6m. south)
Collar: 10563.6N, 9410.8E
Bearing: 090°, Dip: -75°
El.: 1272.8m.
– NQ core

K89-1
Collar: 10561.51N, 9660.27E
Bearing: 090°, Dip: -58°
El.: 1339.11m.
– thin wall rods.
– lost hole at 46.33m.

Overburden = 3.05m.
Overburden = 6.1m.
Overburden = 21.34m.
Rubble Zone
Anhydrite
cp, cc, cv, bn
cc
cp, tenn
1% cp tenn
1-2% cp, tenn
0.19%, 0.14g/t 62.8m.
0.78%, 0.37g/1 47.15m.
0.62%, 0.30g/1 (0.3% Cutoff Grade) 74.05m.
0.23%, 0.21g/t 93.95m.
0.48%, 0.21g/t (0.3% Cutoff Grade) 142.9m.
0.60%, 0.28g/t 49.88m.
0.12%, 0.55g/1 33.4m.
0.81%, 0.25g/1 51.29m.
0.10%, 0.04g/1 41.66m.
0.36%, 0.16g/1 (0.3% Cutoff Grade) 298.5m.
0.59%, 0.36g/1 43.49m.
E.O.H. = 139.90m. Lost Hole
E.O.H. = 239.8m.
E.O.H. = 101.19m. Lost Hole
E.O.H. = 361.49m.

1400m.
1300m.
1200m.
1100m.
1000m.
9300E
9400E
9500E
9600E
9700E
9800E

GEOLOGICAL LEGEND

INTRUSIVE ROCKS

7 — BASALT DYKE – fine-grained to aphanitic, slightly magnetic, occassional hornblende and/or biotite phenocrysts.

6 — ANDESITE DYKE – medium green colour, fine-grained, generally chloritized.

5 — PLAGIOCLASE PORPHYRY DYKE – aphanitic light green matrix with up to 2cm. long plagioclase phenocrysts and rare hornblende phenocrysts.

4 — DIORITE(4a)/MONZONITE(4b) – medium to coarse-grained, inequigranular, variable potassium feldspar content.

VOLCANIC and SEDIMENTARY ROCKS

3 — SERICITE-QUARTZ-PYRITE SCHIST – foliated and intensely sericitized volcaniclastic, subvolconic and intrusive rocks.

2 — DACITIC VOLCANICS (ASH TUFF(2a), CRYSTAL TUFF(2b), LAPILLI TUFF(2c)) – interbedded and alternating fine-grained Ash Tuff, medium to coarse-grained Crystal Tuff, and Lapilli Tuff.

1 — SILTSTONE/SHALE/SANDSTONE – interlaminated, bedded, dark brown to black, fine to medium-grained sedimentary rocks.

LEGEND

~~~ Fault

0.94%, 1.13g/1 / 96.63m — % Copper, grams Gold / tonne / Interval (metres)

B-ZONE COPPER-GOLD MINERALIZATION Interval defined by 0.5% Copper Cutoff Grade.

bn bornite
cc chalcocite
cp chalcopyrite
cv covellite
tenn tennantite

Part 3
1954

1:1000
SCALE 0 10 20 30 40 Metres

SULPHURETS GOLD CORPORATION

1989 KERR PROJECT

SECTION 10550N
DDHs K89-2,3,4,&19
(K89-1)

(1)

Report No. 1065 Figure No. 18
~~~

9400E | 9500E | 9600E | 9700E | 9800E

EAST →

1400m. | 1300m. | 1200m. | 1100m.

K89-15 (projected 34.6m. north)
Collar: 10325.38N, 9469.85E
Bearing: Vertical, Dip: -90°
El.: 1374.76m.
Overburden = 13.72m.

0.17%, 0.09g/t — 48.28m.
62.0m.
0.37%, 0.31g/t — 12.0m.
74.0m.
0.18%, 0.10g/t — 44.0m.
118.0m.
0.41%, 0.42g/t — 18.0m.
136.0m.
0.12%, 0.07g/t — 116.07m.
E.O.H. = 252.07m.

K89-5
Collar: 10359.38N, 9624.29E
Bearing: 090°, Dip: -60°
El.: 1426.99m.
Overburden = 9.14m.

0.16%, 0.14g/t — 44.71m.
55.15m.
68.0m.
0.79%, 0.32g/t (0.3% Cutoff Grade) — 73.90m.
0.90%, 0.37g/t — 59.7m.
127.7m.
0.11%, 0.22g/t — 87.18m.
E.O.H. = 214.88m.

K88-16
- projected onto Section (20m. window)
0.96%, 0.45g/t — 40.07m.
E.O.H.

Rubble Zone
silica sulphide zones

GEOLOGICAL LEGEND

INTRUSIVE ROCKS

7 — BASALT DYKE – fine-grained to aphanitic, slightly magnetic, occassional hornblende and/or biotite phenocrysts.

6 — ANDESITE DYKE – medium green colour, fine-grained, generally chloritized.

5 — PLAGIOCLASE PORPHYRY DYKE – aphanitic light green matrix with up to 2cm. long plagioclase phenocrysts and rare hornblende phenocrysts.

4 — DIORITE(4a) / MONZONITE(4b) – medium to coarse-grained, inequigranular, variable potassium feldspar content.

VOLCANIC and SEDIMENTARY ROCKS

3 — SERICITE-QUARTZ-PYRITE SCHIST – foliated and intensely sericitized volcaniclastic, subvolcanic and intrusive rocks.

2 — DACITIC VOLCANICS (ASH TUFF(2a), CRYSTAL TUFF(2b), LAPILLI TUFF(2c)) – interbedded and alternating fine-grained Ash Tuff, medium to coarse-grained Crystal Tuff, and Lapilli Tuff.

1 — SILTSTONE/SHALE/SANDSTONE – interlaminated, bedded, dark brown to black, fine to medium-grained sedimentary rocks.

LEGEND

Fault

0.94% / 96.63m — % Copper, grams Gold / tonne / Interval (metres)

B-ZONE COPPER-GOLD MINERALIZATION
Interval defined by 0.5% Copper Cutoff Grade.

bn — bornite
cc — chalcocite
cp — chalcopyrite
cv — covellite
tenn — tennantite

19541 Part 3

1:1000
SCALE 0 10 20 30 40 Metres

SULPHURETS GOLD
CORPORATION

1989 KERR PROJECT

SECTION 10360N
DDHs K89-5 & 15 (2)

Report No. 1065 Figure No. 19

9500E | 9600E | 9700E | 9800E | 9900E

1700m.

NORTHEASTERLY (58°)

K89-6
Collar: 9901.85N, 9595.49E
Bearing: 058°, Dip: -60°
El.: 1659.62m.

Overburden = 3.05m.

2b

0.02%, 0.08g/t
54.15m.

2c

57.2m.

2b/c

154.6m.

1

3

silica, sulphide stockwork

2c

0.70%, 0.30g/t (0.3% Cutoff Grade)
151.05m.

0.86%, 0.33g/t
94.54m.

Rubble Zone

3

Apparent Dip ≈30°

180.0m.

3

10

3

3

3

5

208.25m.

5

20

8

25

2

5

0.21%, 0.15g/t
71.25m.

20

E.O.H. = 279.5m.

1600m.

1500m.

1400m.

GEOLOGICAL LEGEND

INTRUSIVE ROCKS

7 — BASALT DYKE - fine-grained to aphanitic, slightly magnetic, occassional hornblende and/or biotite phenocrysts.

6 — ANDESITE DYKE - medium green colour, fine-grained, generally chloritized.

5 — PLAGIOCLASE PORPHYRY DYKE - aphonitic light green matrix with up to 2cm. long plagioclase phenocrysts and rare hornblende phenocrysts.

4 — DIORITE(4a)/MONZONITE(4b) - medium to coarse-grained, inequigranular, variable potassium feldspar content.

VOLCANIC and SEDIMENTARY ROCKS

3 — SERICITE-QUARTZ-PYRITE SCHIST - foliated and intensely sericitized volcaniclastic, subvolcanic and intrusive rocks.

2 — DACITIC VOLCANICS (ASH TUFF(2a), CRYSTAL TUFF(2b), LAPILLI TUFF(2c)) - interbedded and alternating fine-grained Ash Tuff, medium to coarse-grained Crystal Tuff, and Lapilli Tuff.

1 — SILTSTONE/SHALE/SANDSTONE - interlaminated, bedded, dark brown to black, fine to medium-grained sedimentary rocks.

LEGEND

Fault

0.94%, 1.13g/t / 96.63m — % Copper, grams Gold/tonne / Interval (metres)

B-ZONE COPPER-GOLD MINERALIZATION
Interval defined by 0.5% Copper Cutoff Grade

bn — bornite
cc — chalcocite
cp — chalcopyrite
cv — covellite
tenn — tennantite

19541 Part 3

1:1000
SCALE 0 10 20 30 40 Metres

SULPHURETS GOLD CORPORATION

1989 KERR PROJECT

SECTION
AT 58°
THROUGH
DDH K89-6

(3)

Report No. 1065 Figure No. 20

EAST

K89-7
Collar: 10179.0N, 9600.9E
Bearing: 090°, Dip: -60°
El.: 1511.0m.
BDBGM Core

Overburden = 3.05m.

1500m

0.64%, 0.28g/t (0.3% Cutoff Grade)
135.05m.

70.3m.

0.91%, 0.37g/t
67.8m.

Rubble Zone

Silica-Sulphide Zones

138.1m.

0.17%, 0.13g/t
45.9m.

184.0m.

0.35%, 0.75g/t
22.35m.

Silicified Zones

E.O.H. = 206.35m.

1400m.

1300m.

9500E

9600E

9700E

9800E

LEGEND

Fault

0.13%, 113g/t / 10.3m. — %Copper, grams Gold/tonne / Interval (metres)

B-ZONE COPPER-GOLD MINERALIZATION
Interval defined by 0.5% Copper Cutoff Grade.

GEOLOGICAL LEGEND

INTRUSIVE ROCKS

7 — BASALT DYKE - fine-grained to aphanitic, slightly magnetic, occassional hornblende and/or biotite phenocrysts.

6 — ANDESITE DYKE — medium green colour, fine-grained, generally chloritized.

5 — PLAGIOCLASE PORPHYRY DYKE — aphanitic light green matrix with up to 2cm. long plagioclase phenocrysts and rare hornblende phenocrysts.

4 — DIORITE(4a)/MONZONITE(4b) — medium to coarse-grained, inequigranular, variable potassium feldspar content.

VOLCANIC and SEDIMENTARY ROCKS

3 — SERICITE-QUARTZ-PYRITE SCHIST — foliated and intensely sericitized volcaniclastic, subvolcanic and intrusive rocks.

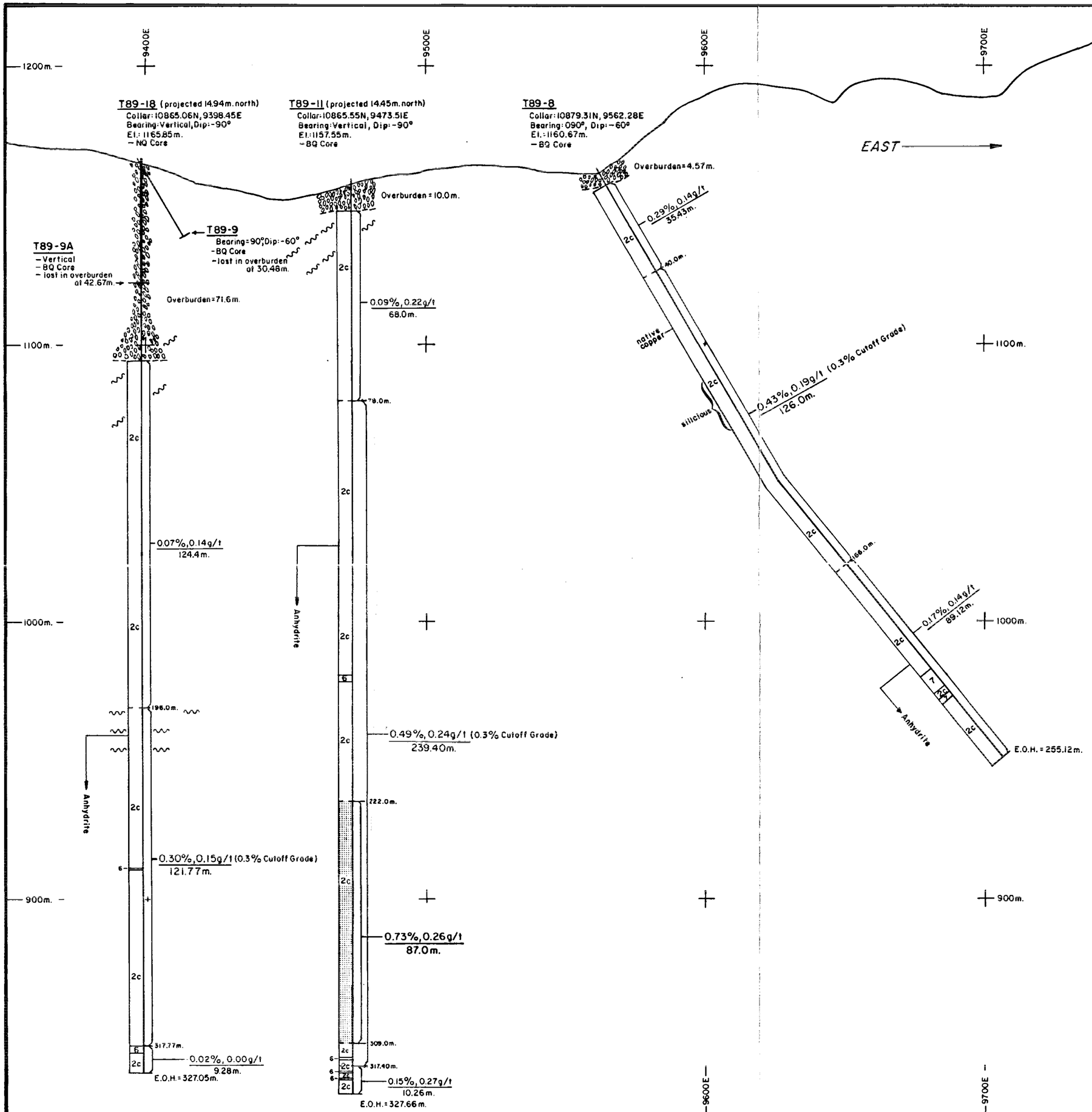
2 — DACITIC VOLCANICS (ASH TUFF(2a), CRYSTAL TUFF(2b), LAPILLI TUFF(2c)) — interbedded and alternating fine-grained Ash Tuff, medium to coarse-grained Crystal Tuff, and Lapilli Tuff.

1 — SILTSTONE/SHALE/SANDSTONE — interlaminated, bedded, dark brown to black, fine to medium-grained sedimentary rocks.

1:1000
SCALE 0 10 20 30 40 Metres

SULPHURETS GOLD
CORPORATION
1989 KERR PROJECT
SECTION 10180N
DDH K89-7

Report No. 1065 Figure No. 21



GEOLOGICAL LEGEND

INTRUSIVE ROCKS

7 — BASALT DYKE – fine-grained to aphanitic, slightly magnetic, occassional hornblende and/or biotite phenocrysts.

6 — ANDESITE DYKE – medium green colour, fine-grained, generally chloritized.

5 — PLAGIOCLASE PORPHYRY DYKE – aphanitic light green matrix with up to 2cm long plagioclase phenocrysts and rare hornblende phenocrysts.

4 — DIORITE(4a)/MONZONITE(4b) – medium to coarse-grained, inequigranular, variable potassium feldspar content.

VOLCANIC and SEDIMENTARY ROCKS

3 — SERICITE-QUARTZ-PYRITE SCHIST – foliated and intensely sericitized volcaniclastic, subvolcanic and intrusive rocks.

2 — DACITIC VOLCANICS (ASH TUFF(2a), CRYSTAL TUFF(2b), LAPILLI TUFF(2c)) – interbedded and alternating fine-grained Ash Tuff, medium to coarse-grained Crystal Tuff, and Lapilli Tuff.

1 — SILTSTONE/SHALE/SANDSTONE – interlaminated, bedded, dark brown to black, fine to medium-grained sedimentary rocks.

LEGEND

~~~ Fault

0.94%, 1.13g/t / 96.63m — % Copper, grams Gold/tonne / Interval (metres)

B-ZONE COPPER-GOLD MINERALIZATION
Interval defined by 0.5% Copper Cutoff Grade.

bn bornite
cc chalcocite
cp chalcopyrite
cv covellite
tenn tennantite

19541 Part 3

1:1000
SCALE 0 10 20 30 40 Metres

SULPHURETS GOLD
CORPORATION

1989 KERR PROJECT

SECTION 10880N
DDHs T89-8, 11, & 18
(T89-9 & 9A)

(4)

Report No. 1065 Figure No. 22
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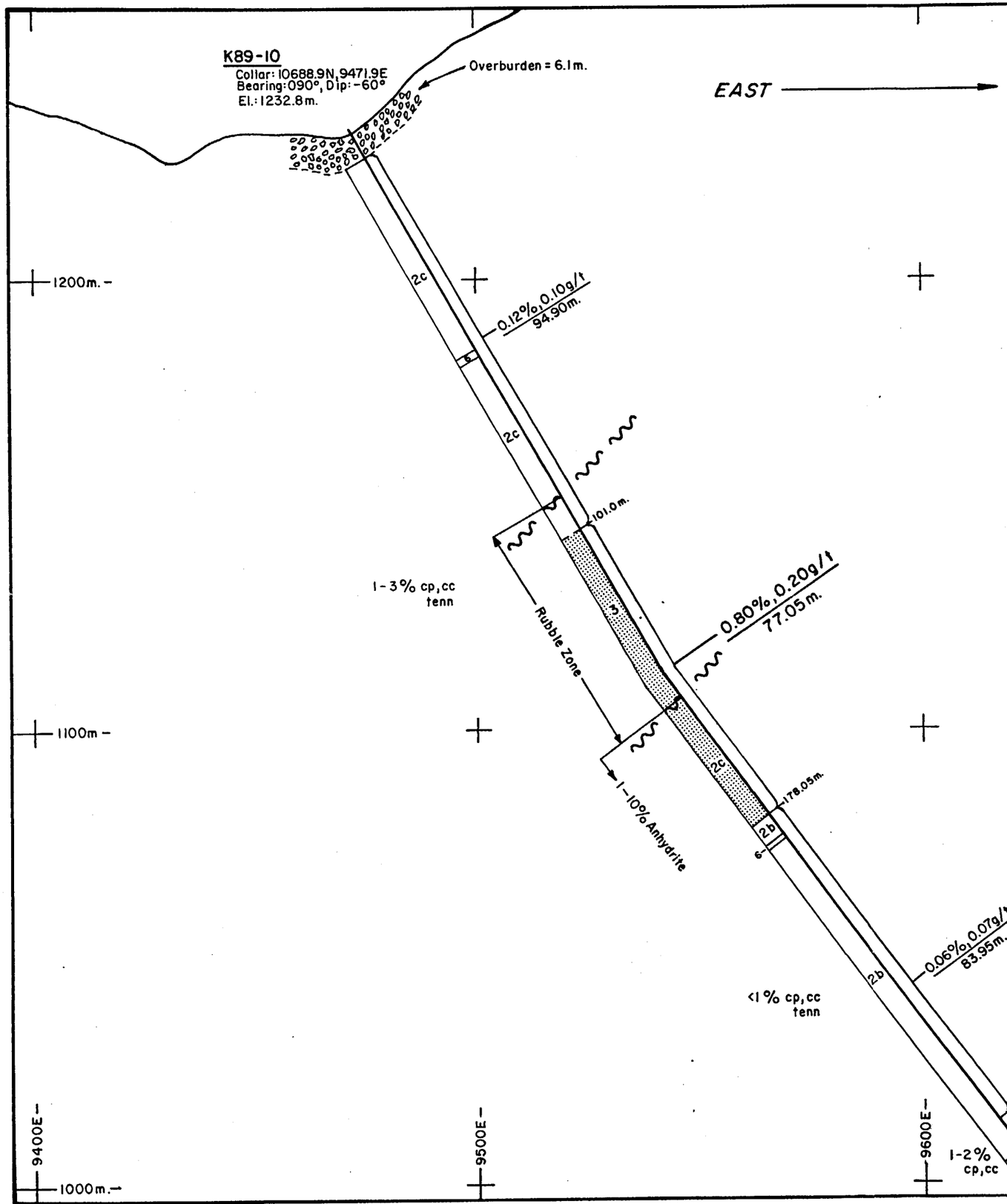


LEGEND

Fault

0.13%, 113g/t / 10.3m. — %Copper, grams Gold/tonne / Interval (metres)

B-ZONE COPPER-GOLD MINERALIZATION
Interval defined by 0.5% Copper Cutoff Grade

GEOLOGICAL LEGEND

INTRUSIVE ROCKS

7 — BASALT DYKE - fine-grained to aphanitic, slightly magnetic, occassional hornblende and/or biotite phenocrysts.

6 — ANDESITE DYKE — medium green colour, fine-grained, generally chloritized.

5 — PLAGIOCLASE PORPHYRY DYKE — aphanitic light green matrix with up to 2cm. long plagioclase phenocrysts and rare hornblende phenocrysts.

4 — DIORITE(4a)/MONZONITE(4b) — medium to coarse-grained, inequigranular, variable potassium feldspar content.

VOLCANIC and SEDIMENTARY ROCKS

3 — SERICITE-QUARTZ-PYRITE SCHIST — foliated and intensely sericitized volcaniclastic, subvolcanic and intrusive rocks.

2 — DACITIC VOLCANICS (ASH TUFF(2a), CRYSTAL TUFF(2b), LAPILLI TUFF(2c)) — interbedded and alternating fine-grained Ash Tuff, medium to coarse-grained Crystal Tuff, and Lapilli Tuff.

1 — SILTSTONE/SHALE/SANDSTONE — interlaminated, bedded, dark brown to black, fine to medium-grained sedimentary rocks.

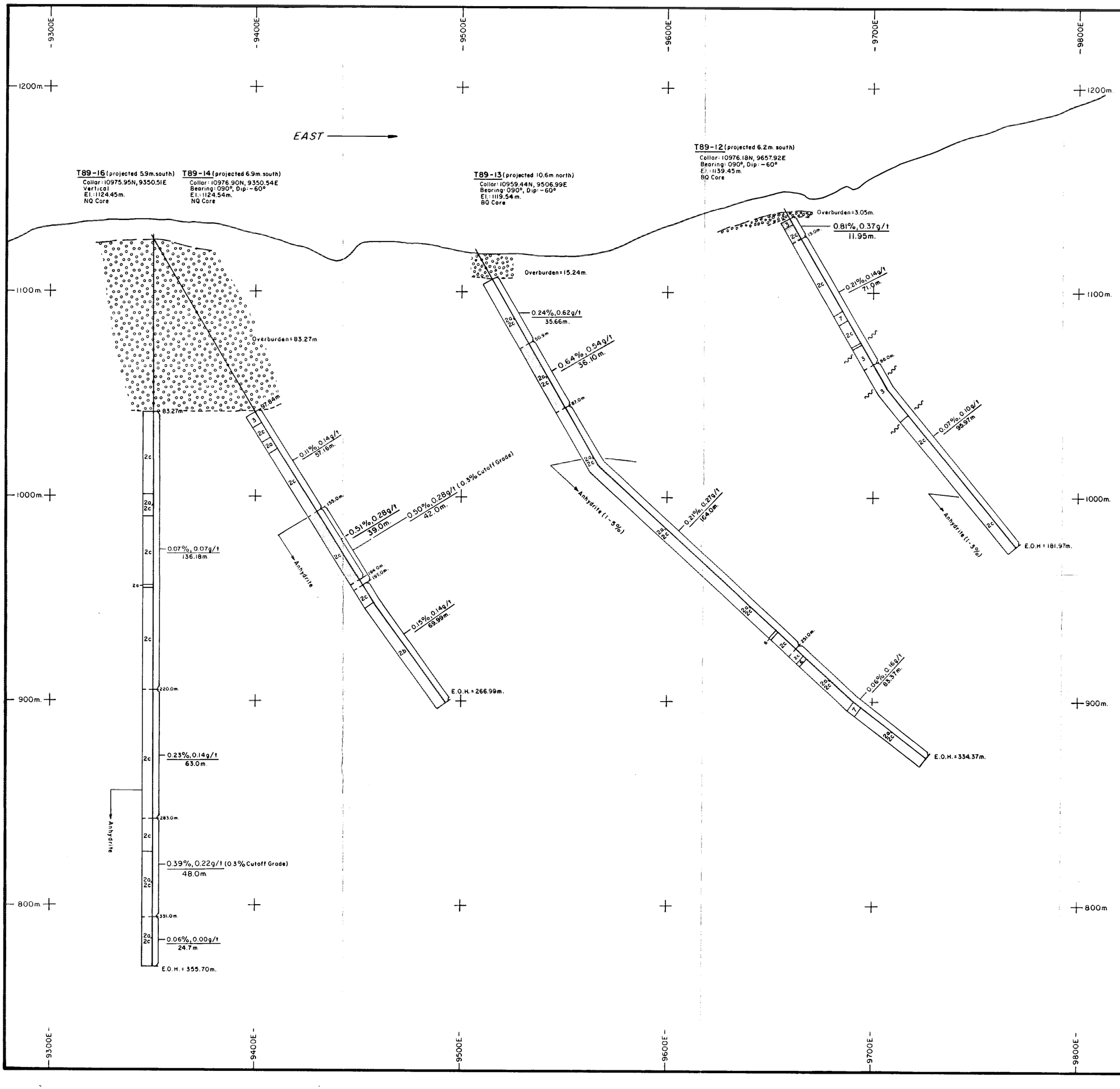
cc chalcocite
cp chalcopyrite
tenn tennantite

1:1000
SCALE 0 10 20 30 40 Metres

SULPHURETS GOLD
CORPORATION
1989 KERR PROJECT

SECTION 10688N
DDH K89-10

Report No. 1065 Figure No. 23



GEOLOGICAL LEGEND

INTRUSIVE ROCKS

7 — BASALT DYKE - fine-grained to aphanitic, slightly magnetic, occassional hornblende and/or biotite phenocrysts.

6 — ANDESITE DYKE — medium green colour, fine-grained, generally chloritized.

5 — PLAGIOCLASE PORPHYRY DYKE - aphanitic light green matrix with up to 2cm. long plagioclase phenocrysts and rare hornblende phenocrysts.

4 — DIORITE(4a) / MONZONITE(4b) — medium to coarse-grained, inequigranular, variable potassium feldspar content

VOLCANIC and SEDIMENTARY ROCKS

3 — SERICITE - QUARTZ - PYRITE SCHIST — foliated and intensely sericitized volcaniclastic, subvolcanic and intrusive rocks.

2 — DACITIC VOLCANICS (ASH TUFF(2a), CRYSTAL TUFF(2b), LAPILLI TUFF (2c)) — interbedded and alternating fine-grained Ash Tuff, medium to coarse-grained Crystal Tuff, and Lapilli Tuff.

1 — SILTSTONE/SHALE/SANDSTONE — interlaminated, bedded, dark brown to black, fine to medium-grained sedimentary rocks.

LEGEND

Fault

0.94%, 1.13g/t / 96.63m — % Copper, grams Gold / tonne / Interval (metres)

B - ZONE COPPER - GOLD MINERALIZATION
Interval defined by 0.5% Copper Cutoff Grade.

bn — bornite
cc — chalcocite
cp — chalcopyrite
cv — covellite
tenn — tennantite

19541 Part 3

SCALE 0 10 20 30 40 Metres
1:1000

SULPHURETS GOLD CORPORATION

1989 KERR PROJECT

SECTION 10970N
DDHs T89-12, 13, 14, 16

(5)

Report No. 1065 Figure No. 24

SECTION 9598N

EAST →

A-ZONE

B-ZONE

K88-4 (Projected 36.6m. North)
Collar: 9561.5N, 9397.1E
Bearing: 090°, Dip: -60°
El.: 1770.8m.

Overburden = 1.52m.

E.O.H. = 157.58m.
(Lost Hole)

K88-3 (Projected 4.7m. North)
Collar: 9593.4N, 9511.3E
Bearing: 090°, Dip: -45°
El.: 1740.3m.

Overburden = 1.53m.

0.08%, 0.21g/t
16.47m.

0.26%, 0.21g/t
50.47m.

0.35%, 0.21g/t
34.0m.

0.08%, 0.17g/t
11.14m.

0.12%, 0.10g/t
120.04m.

E.O.H. = 185.18m.

K88-2 (Projected 28.3m. South)
Collar: 9626.4N, 9624.1E
Bearing: 090°, Dip: -62°
El.: 1728.7m.

Overburden = 1.5m.

0.15%, 0.17g/t
45.17m.

0.28%, 0.21g/t
91.9m.

0.41%, 0.24g/t
46.73m.

0.10%, 0.07g/t
79.12m.

E.O.H. = 172.52m.

K88-1 (Projected 34.2m. South)
Collar: 9632.3N, 9715.6E
Bearing: 090°, Dip: -62°
El.: 1712.0m.

Overburden = 1.52m.

0.09%, 0.10g/t
174.67m.

K88-21
Collar: 9598.1N, 9767.3E
-Vertical Hole.
El.: 1674.3m.

Overburden = 1.52m.

0.11%, 0.10g/t
160.58m.

0.94%, 0.34g/t
96.63m.

Rubble Zone

1.17%, 0.55g/t
50.95m.

E.O.H. = 272.80m.

E.O.H. = 213.05m.
(Drill Limit)

1800m. — 1700m. — 1600m. — 1500m.

9400E — 9500E — 9600E — 9700E — 9800E — 9900E

GEOLOGICAL LEGEND

INTRUSIVE ROCKS

7 — BASALT DYKE - fine-grained to aphanitic, slightly magnetic, occassional hornblende and/or biotite phenocrysts.

6 — ANDESITE DYKE — medium green colour, fine-grained, generally chloritized.

5 — PLAGIOCLASE PORPHYRY DYKE — aphanitic light green matrix with up to 2cm. long plagioclase phenocrysts and rare hornblende phenocrysts.

4 — DIORITE(4a) / MONZONITE(4b) — medium to coarse-grained, inequigranular, variable potassium feldspar content.

VOLCANIC and SEDIMENTARY ROCKS

3 — SERICITE-QUARTZ-PYRITE SCHIST — foliated and intensely sericitized volcaniclastic, subvolcanic and intrusive rocks.

2 — DACITIC VOLCANICS (ASH TUFF(2a), CRYSTAL TUFF(2b), LAPILLI TUFF(2c)) — interbedded and alternating fine-grained Ash Tuff, medium to coarse-grained Crystal Tuff, and Lapilli Tuff.

1 — SILTSTONE/SHALE/SANDSTONE — interlaminated, bedded, dark brown to black, fine to medium-grained sedimentary rocks.

LEGEND

Fault

0.94%, 1.13g/t / 96.63m — % Copper, grams Gold / tonne / Interval (metres)

B-ZONE COPPER-GOLD MINERALIZATION
Interval defined by 0.5% Copper Cutoff Grade.

Note: 1988 FIELD WORK

SCALE 0 10 20 30 40 50 Metres
1:1000

19541 Part 3

(6)

SULPHURETS GOLD
CORPORATION
1989 KERR PROJECT
SOUTHERN B-ZONE CROSS-SECTION
DDHs K88-1,2,3,4,&21.
Report No. 1065 Figure No. 25