1989 PHASE 1 AND 2 SURFACE ROTARY DRILLING ASSESSMENT REPORT

GIANT COPPER PROPERTY

New Westminster Mining Division
NTS 92H 3

Latitude: 49 degrees 06'N
Longitude: 121 degrees 01'E

For

Bethlehem Resources Corporation
860 - 808 West Hastings Street
Vancouver, B.C. V6C 2X4

by

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August 31, 1989

SUMMARY

The Giant Copper property is located in southern British Columbia approximately 35 km southeast of Hope. Previous exploration has concentrated on two main zones, the AM and the Invermay. These zones are breccia hosted copper-gold-silver and silver-lead-zinc-copper shear zone occurrences, respectively.

Published reserves on the AM breccia are approximately 2,700,000 tons at 1.35% Cu, 0.015 oz/ton Au and 0.64 oz/ton Ag.

Work during the May to August 1989 period consisted of fourteen rotary drill holes on the No.1 Anomaly and six on the AM breccia for a total of 4845 feet.

One of the objectives of the program was to drill test a multi-element geochemical and geophysical anomaly (No. 1 Anomaly). The other objective was to continue definition drilling of the south and central portions of the AM breccia.

The drill program was successful in discovering a new mineralized breccia zone in the area of the No. 1 Anomaly which shows a widespread area of low grade copper-silver mineralization to the east. A higher grade possible vein to the west has significant intersections of 90 feet of 0.67% Cu, 2.68% Pb, 1.76% Zn, and 7.22 oz/t Ag in GCR-89-05 and 30 feet of 0.99 % Cu and 2.84 oz/t Ag in Hole GCR-89-20. This higher grade portion remains open to the west and provides an excellent target for additional trenching and drilling.

Significant drill intersections are summarized below:

HOLE NUMBER	WIDTH (ft)	INTERVAL (ft)	Cu %	Pb %	Zn %	Ag oz/t	Au oz/t
GCR-89-05	90	15-105	0.67	2.68	1.76	7.22	0.010
GCR-89-07	15	380-395	0.72	0.07	0.15	1.65	0.011
GCR-89-14	20	25-45	0.72	-	-	0.47	0.002
GCR-89-15	15	280-295	0.70	-	-	0.50	0.003
GCR-89-17	50	115-165	0.69	-	-	0.62	0.004
GCR-89-20	30	100-130	0.99	0.06	0.10	2.84	0.006
	including						
	15	115-130	1.78	0.11	0.15	5.36	0.012

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INTRODUCTION

The Giant Copper property is located in southern British Columbia approximately 35 km southeast of Hope. It was acquired by Bethlehem Resources Corporation from Campbell Resources in the spring of 1988 in exchange for a small retained interest in the property.

A number of deposit types are hosted within the property boundary. Previous exploration has concentrated on two main zones, the AM and the Invermay. These zones are breccia hosted copper-gold-silver and silver-lead-zinc-copper shear zone occurrences, respectively.

Published reserves on the AM breccia are approximately 2,700,000 tons at 1.35% Cu, 0.015 oz/ton Au and 0.64 oz/ton Ag. No reserve figures are available for the Invermay zone.

The work program described herein extended from May through August, 1989. A total of 4845 feet of rotary drilling was completed in twenty holes.

LOCATION AND ACCESS

The Giant Copper property lies approximately 35 km southeast of Hope and is bounded on the northeast by Manning Park and to the southwest by the Skagit Valley Recreational Area (Fig 1). Approximately 42 km east of Hope along Highway No. 3 a gravel road branches off toward the center of the property. A locked gate is positioned across the road just past a small bridge crossing the Skagit river. From the highway to the No. 15 level workings is approximately a 15 minutes drive along a good gravel road.

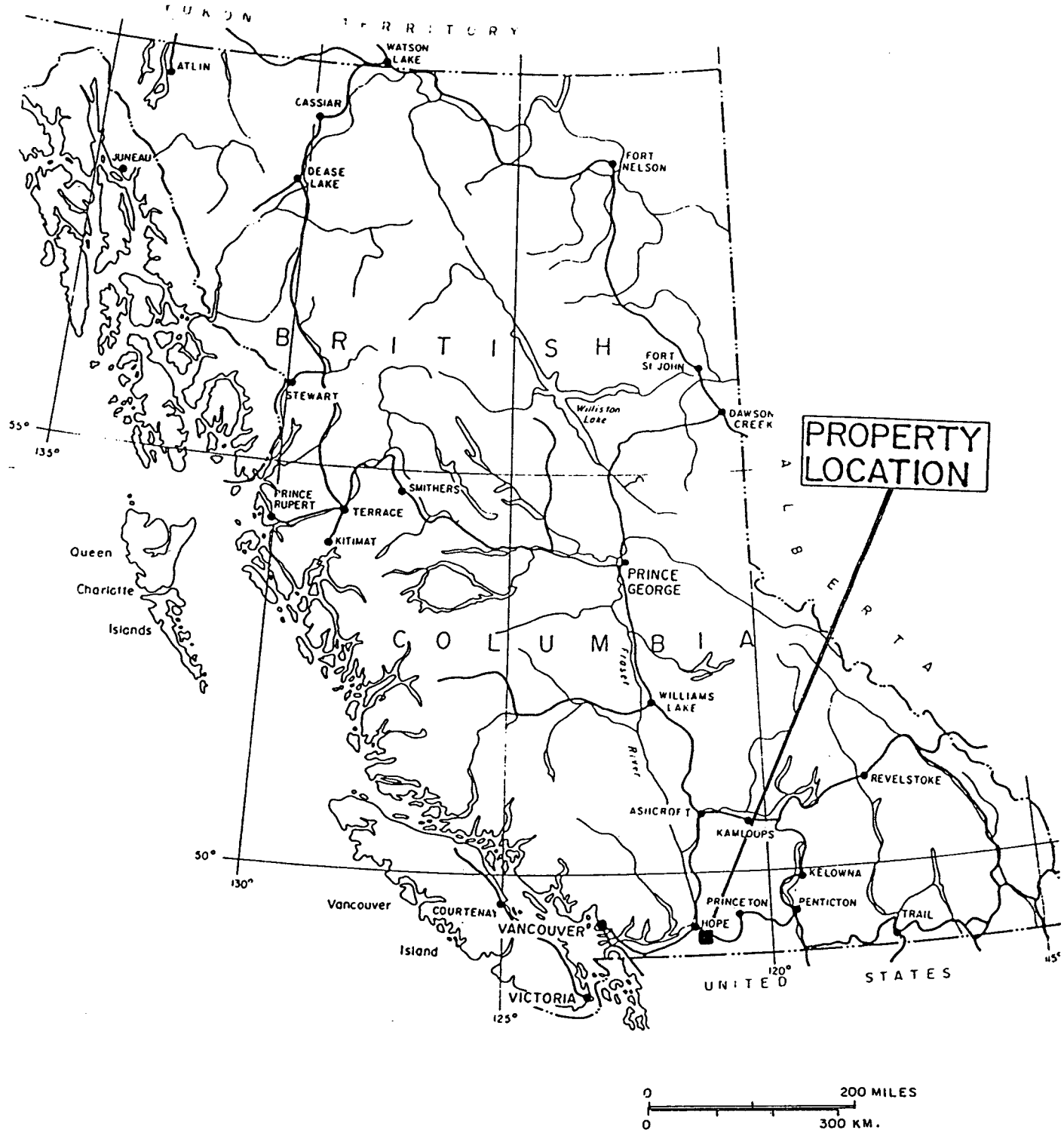
The property lies between elevations 1,310 metres and 1,980 metres above sea level, on the west and southeast slope of Silverdaisy Mountain.

CLAIMS

A total of 163 located claims (195 units) and eight Crown granted claims comprised the property (Maps No. 3 and 4, in pocket). All the claims are located within the New Westminster Mining Division (Fig 2.).

REGIONAL GEOLOGY

A belt up to several km wide of steeply dipping and tightly folded metasedimentary rocks of the Jurassic Dewdney Creek Group forms a structural block between the northwesterly trending Hozameen and Chuwanten thrust faults, along both of which older rocks are thrust from the west over younger rocks to the east. The Hozameen Fault separates rocks of the Dewdney Creek Group of Jurassic age from Carboniferous argillite, slate, and phyllite of the Hozameen Group to the west. The Chuwanten (or Pasayten Fault) separates rocks of the Dewdney Creek Group from Cretaceous arkose, siltstone, argillite and conglomerate of the Pasayten Group to the east. The Giant Copper property is near the western side of the block of rocks of the Dewdney Creek Group (Fig 3.).



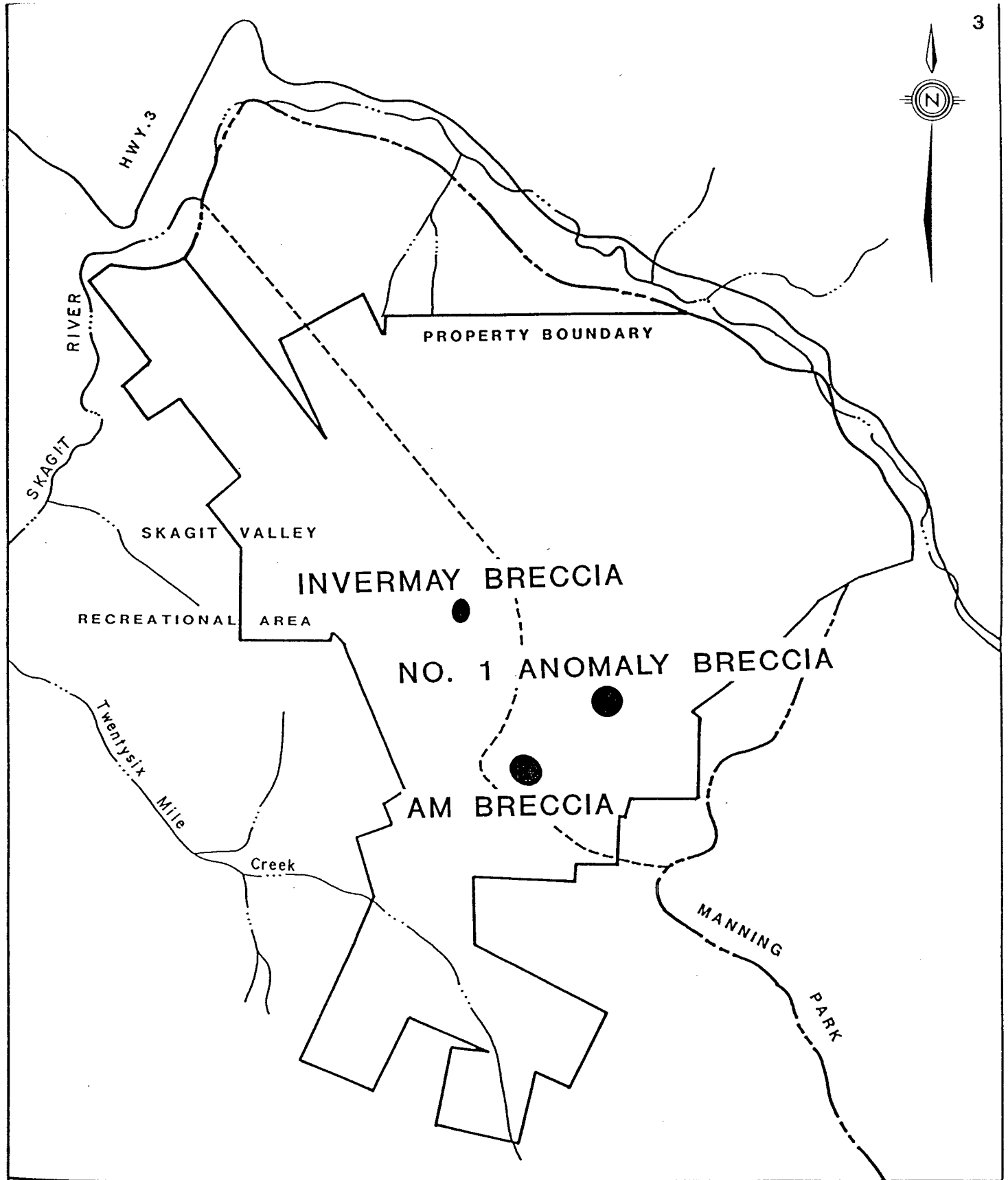
BETHLEHEM RESOURCES CORPORATION

GIANT COPPER PROJECT

LOCATION MAP

KEN HICKS CONSULTING	DATE :	MAP INDEX Nº.	SCALE	DRAWING Nº.
K.H.		92H - 3	AS SHOWN	FIG. 1

CHONG



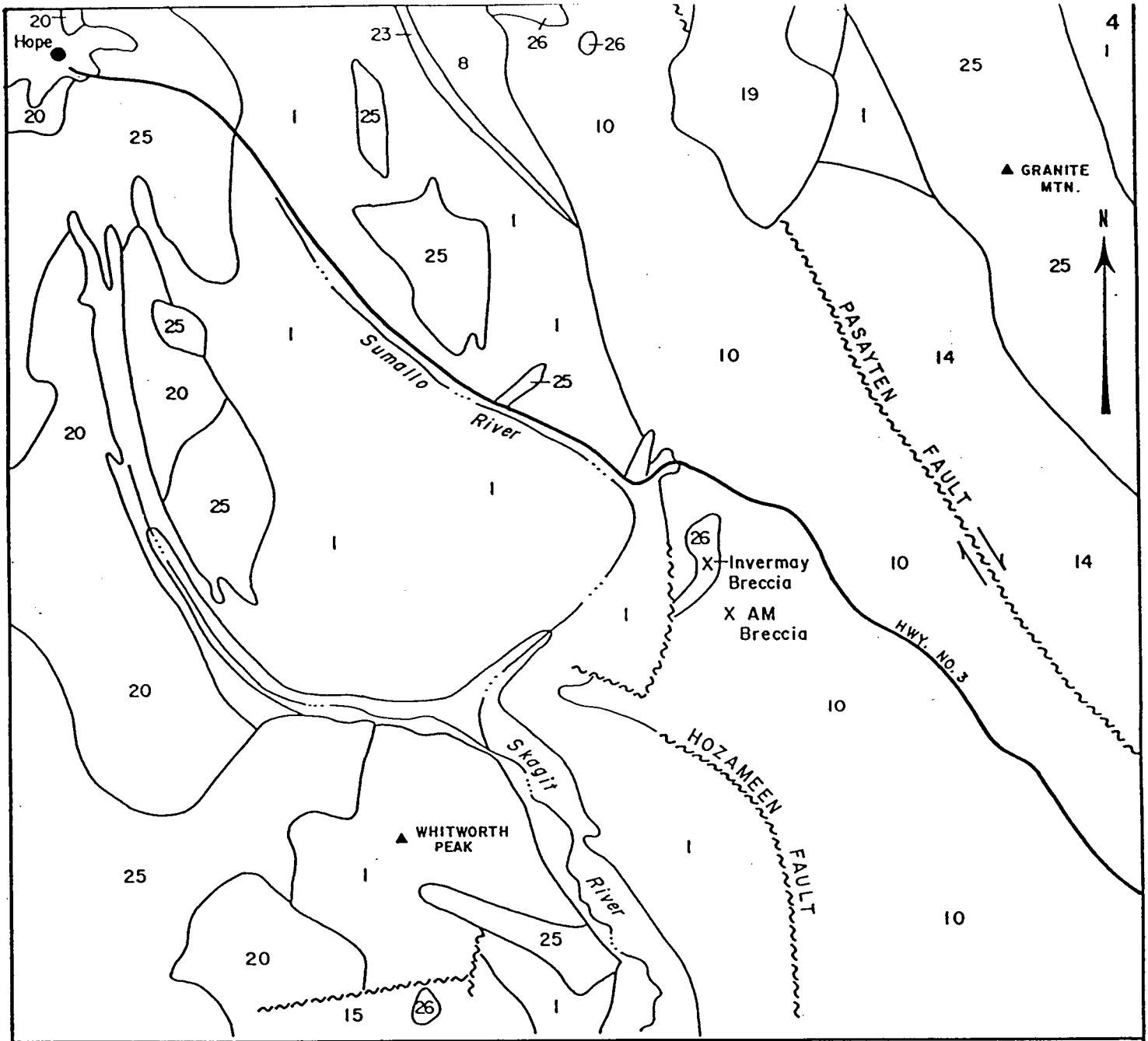
BETHLEHEM RESOURCES CORPORATION

GIANT COPPER PROJECT

CLAIM MAP

KEN HICKS CONSULTING	DATE:	MAP INDEX Nº.	SCALE	DRAWING Nº.
K.H. & L.U.	DEC. 1988	92H - 3	1:50,000	FIG. 2

CHONG



LEGEND

CARBONIFEROUS

- 1 — HOZAMEEN GROUP: ARGILLITE, SLATE, PHYLLITE

JURASSIC

- 8 — LADNER GROUP: SLATE, GREYWACKE, SCHIST
- 10 — DEWDNEY CREEK GROUP: TUFF, AGGLOMERATE

CRETACEOUS

- 14 — PASAYTEN GROUP: ARKOSE, SANDSTONE, ARGILLITE, CONGLOMERATE
- 15 — SKAGIT FORMATION: ANDESITE, RHYOLITE, CONGLOMERATE

TERTIARY

- 19 — COQUIHALLA GROUP: PORPHYRITIC DACITE & RHYOLITE

INTRUSIVE ROCKS

JURASSIC & LATER

- 23 — CHIEFLY SERPENTINE
- 25 — GRANITE, GRANODIORITE
- 26 — QUARTZ DIORITE, DIORITE

BETHLEHEM RESOURCES CORPORATION

GIANT COPPER PROJECT

REGIONAL GEOLOGY

COMPILED FROM MAPS 737A & 888A

KEN HICKS CONSULTING	DATE:	MAP INDEX Nº.	SCALE	DRAWING Nº.
K.H.	DEC. 1988	92H - 3	1" = 4miles	FIG. 3

CHONG

The sedimentary rocks of the Dewdney Creek Group were intruded by abundant, mainly mafic to locally ultramafic sills of uncertain age, probably Jurassic/Cretaceous. Most of the sills are conformable to bedding and were folded with the sedimentary rocks.

The Invermay Stock, an elongate diorite to quartz diorite to locally granodiorite body of Cretaceous or Tertiary age was intruded into the older rocks, more or less along the northwest-trending axis of the sedimentary rocks.

Zones of potential economic interest include replacement bodies, breccia pipes and veins, almost all of which are near the contact of the metasedimentary rocks with the intrusive body and which have been considered historically to have been related in origin to the intrusive body.

The Giant Fault, a major northeast-trending fault evident in the No 10 underground workings, possibly truncates the south end of the AM Breccia and may offset it up to 1000 metres to the northeast to the site of the new breccia discovered during the current drilling program, located close to the No 10 level portal.

PROPERTY GEOLOGY

Lithologies

The most abundant lithology encountered in the drilling was a fine-grained grey to buff colored sediment which was consistently and pervasively silicified. A closely spaced color-banded laminate texture is commonly seen in hand-specimen which probably is original bedding. Sedimentary fragments are usually dominate within most breccias. The silicification and hornfelsing seen within the sediments appear to be related to the intrusion of the Invermay stock and are widely distributed. The appears to be the same unit as the quartzite referred to in the earlier literature.

Drilling within the No. 1 Anomaly, a quartz-porphyry granodiorite intrusive plug was intersected in a number of holes. This appears to be distinct from a light grey equigranular felsic intrusive which is commonly found mixed with fine-grained mafic intrusive as an infilling of breccia matrix.

Alteration

The silicification and hornfelsing seen within the sediments appear to be related to the intrusion of the Invermay stock and are widely distributed. Sericite alteration, varying from weak to pervasive, was most common within the intrusive units. Chlorite has a scattered distribution along fractures, possibly forming as a retrograde alteration of mafic minerals. A white-grey clay or v.f.g. sericite alteration occurs erratically distribution within a larger envelope of sericite alteration. Seemingly ubiquitous tourmaline occurrences are probably related to the intrusive event.

Mineralization

All of the known mineralization in the AM breccia and No. 1 Anomaly breccia occurs as disseminations and patches of chalcopyrite with trace amounts of sphalerite, galena and arsenopyrite within the matrix of the breccia. In comparing geochemical results, there appears to be a good correlation between Cu, Au, Ag, Zn, and Pb with As. This may be a results of finely disseminated arsenopyrite which was not readily visible in hand specimen.

WORK PROGRAM - 1989 - ROTARY DRILLING

Introduction

The purpose of the 1989 rotary drilling program on the Giant Copper property was to drill test and trench the No. 1 geochemical and geophysical anomaly as well as continued definition drilling of the southern and central portions of the AM breccia (Fig 4.).

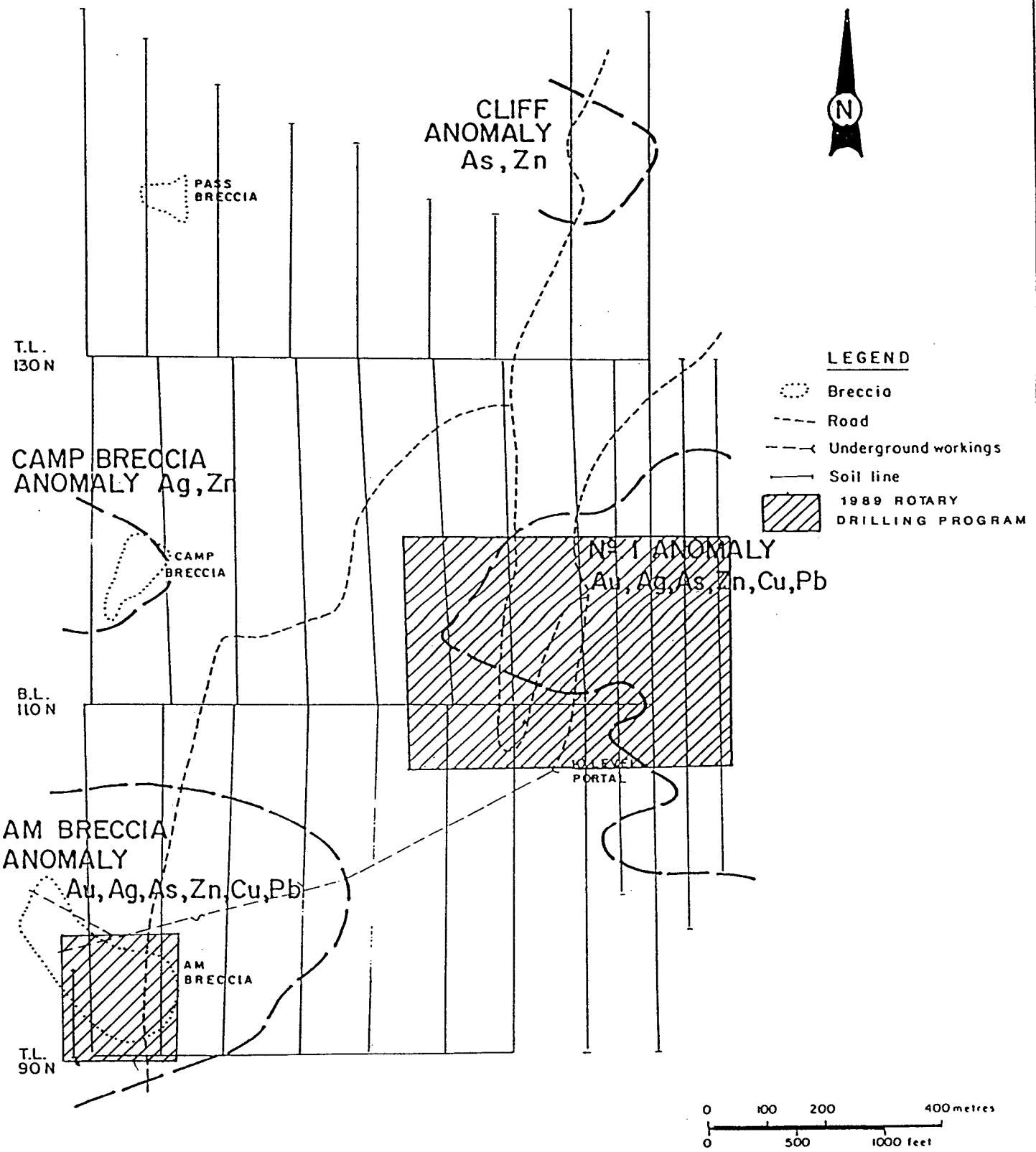
Work completed

Tonto Drilling moved on to the property on May 31, 1989 with a tandem truck-mounted Schramm 685 reverse circulation drill rig and one drill crew. Five shallow, angle holes were drilled to intersect the geophysical targets and to determine the source of the geochemical anomaly. A sixth hole, GCR-89-02, had to be abandoned due to unstable ground conditions. A D-8 cat tractor from Plazer Contracting of Chilliwack was contracted to build drill pads and to help during drill moves. The drill rig left on June 7, 1989, by which time six holes totaling 910 feet were completed. The drill rig returned for the phase 2 drilling on July 18, 1989 and stayed until August 11, 1989. Work consisted of eight holes on the No. 1 Anomaly and six holes on the AM breccia totaling 3935 feet.

In all, a total of fourteen rotary drill holes were located on the No.1 Anomaly and six on the AM breccia for a total of 4845 feet.

Drill Hole Specifications

Hole No	Area	Northing (ft)	Easting (ft)	Elev (ft)	Azm	Dip	Length (ft)
GCR-89-1	No 1	11533.14	11852.60	5030.48	230	-30	200
GCR-89-2	"	11304.04	11850.44	5010.57	240	-45	20
GCR-89-3	"	11267.12	12165.88	4887.26	310	-45	95
GCR-89-4	"	11465.71	12213.30	4867.12	-	-90	200
GCR-89-5	"	11390.21	11851.22	5019.46	240	-55	230
GCR-89-6	"	11636.93	12305.08	4811.68	230	-55	165
GCR-89-7	"	11270	11850	5010	335	-45	395
GCR-89-8	"	11395.06	12018.94	4944.87	335	-45	95
GCR-89-9	"	11586.95	12009.27	4945.81	190	-45	300



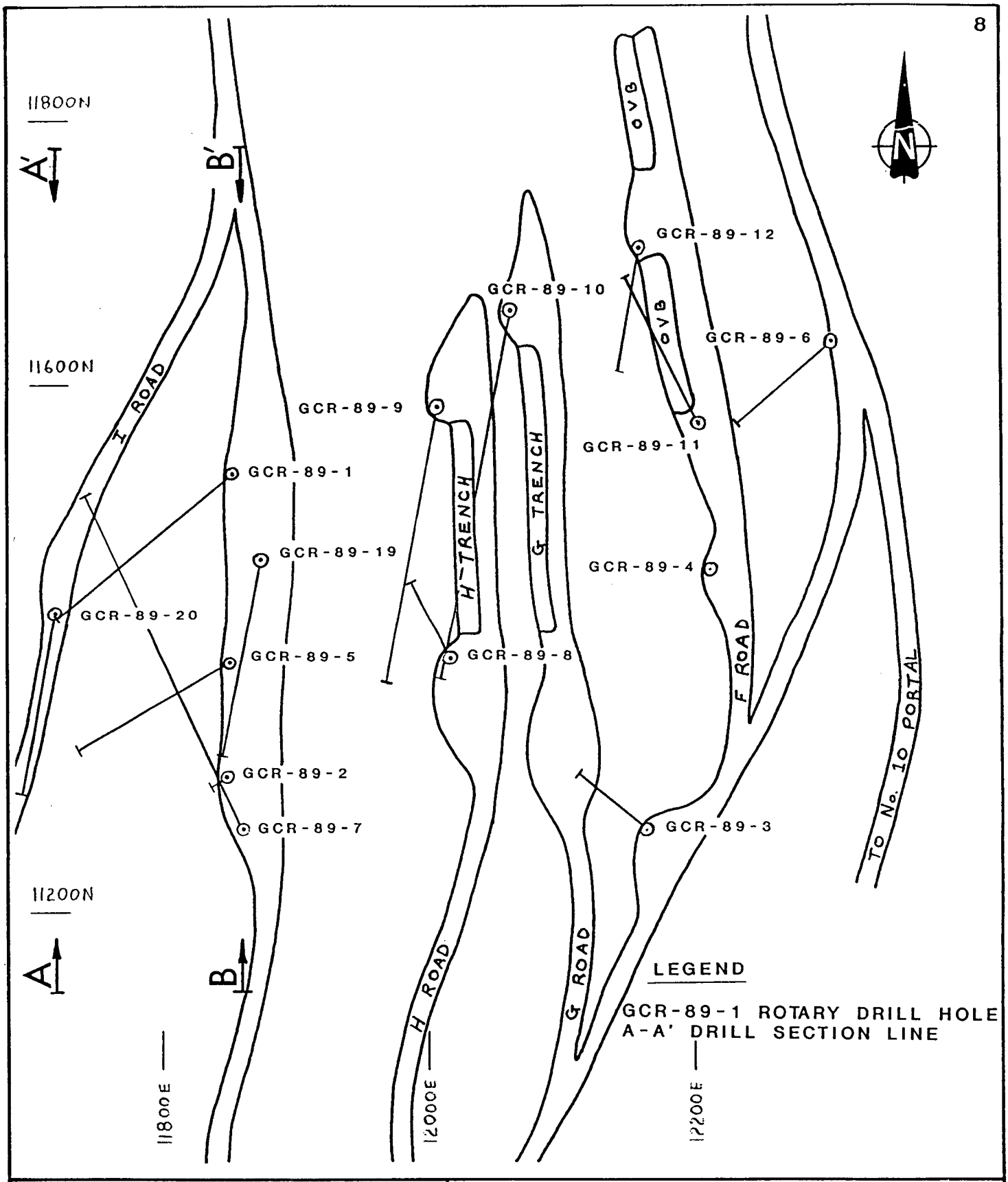
BETHLEHEM RESOURCES CORPORATION

GIANT COPPER PROJECT

1989 EXPLORATION PROGRAM WORK AREA

KEN HICKS CONSULTING	DATE:	MAP INDEX Nº.	SCALE	DRAWING Nº.
K.H.	JUNE 1989	92H - 3	1:9600 (1"=800')	FIG. 4

CHONG



BETHLEHEM RESOURCES CORPORATION

GIANT COPPER PROJECT

No. 1 ANOMALY SURFACE PLAN

KEN HICKS CONSULTING	DATE:	MAP INDEX Nº.	SCALE	DRAWING Nº.
K.H.	AUG. 1989	92H - 3	1" = 100'	FIG. 5

CHONG

⊙ GCR89-9

H TRENCH

Om	SAMPLE NO.	Cu ppm	Zn ppm	Pb ppm	Au (ppb)
	89051	51	502	227	70
2	89052	73	150	41	ND
4	89053	87	436	142	40
6	89054	94	414	148	40
8	89055	58	399	109	40
10	89056	140	528	425	80
12	89057	169	557	1019	60
14	89058	196	340	73	30
16	89059	448	351	839	290
18	89060	214	269	143	60
20	89061	221	277	77	20
	89062	270	669	265	10
	89063	617	738	547	40
	89064	809	1465	765	80
25	89065	579	1805	1086	60
	89066	844	1082	558	80
	89067	201	798	213	60
	89068	379	1069	151	20
	89069	621	2333	854	40
30	89070	598	1440	686	20
	89071	446	1199	776	50
	89072	779	1600	621	40
	89073	573	476	521	50
	89074	643	1395	779	10
35	89075	803	1136	793	40
	89076	576	1390	825	20
	89077	660	1248	1040	20
	89078	666	1162	944	30
	89079	644	1366	998	60
40	89080	350	544	830	60
	89081	840	1482	918	60
	89082	524	961	954	170
	89083	438	1579	915	20
	89084	911	1631	928	60
45	89085	592	563	874	40
	89086	828	431	467	320
	89087	1359	563	165	40
	89088	1424	484	229	120
	89089	890	344	84	60
50	89090	634	261	83	160
	89091	780	303	57	120
	89092	756	295	49	40
	89093	947	299	77	50
	89094	745	353	142	70
55	89095	1188	328	327	580
	89096	872	275	135	260

G TRENCH

Om	SAMPLE NO.	Cu ppm	Zn ppm	Pb ppm	Au (ppb)
	89101	839	333	144	60
	89102	1251	596	220	80
	89103	751	429	249	70
	89104	2558	359	505	200
5	89105	1690	611	483	1120
	89106	891	670	271	80
	89107	1290	1890	1033	400
	89108	386	1583	728	220
	89109	907	1118	236	80
10	89110	1455	3825	272	120
	89111	4477	4225	462	170
	89112	1674	2133	508	190
	89113	822	757	392	160
	89114	331	572	372	120
15	89115	736	799	537	70
	89116	1022	509	472	120
	89117	816	636	374	70
	89118	1421	411	396	
	89119	848	598	381	180
20	89120	948	522	346	180
	89121	916	569	501	210
	89122	1523	1269	863	100
	89123	1236	868	675	250
	89124	703	1283	1137	110
25	89125	1063	877	259	70
	89126	1043	869	362	50
	89127	758	823	561	50
	89128	1626	1308	1323	90
	89129	356	797	576	60
30	89130	389	1712	1008	30
	89131	1063	1195	774	30
	89132	959	1283	775	70
	89133	774	1028	631	30
	89134	1051	765	637	40
35	89135	722	691	603	70
	89136	821	739	513	20
	89137	705	629	382	50
	89138	828	738	637	10
	89139	1104	1144	560	70
40	89140	1105	1082	421	30
	89141	995	542	487	40
	89142	988	1424	909	100
	89143	1288	704	703	70
	89144	1415	1176	738	110
45	89145	1582	2443	1249	50
	89146	1079	1149	722	80
	89147	1278	1236	620	100
	89148	1055	1945	2005	140
	89149	1393	849	931	100
50	89150	834	863	893	130
	89097	1031	728	1692	80
	89098	822	1048	956	80
	89099	411	459	303	50
54	89100	380	335	176	30

0 5 (m) 10 15

⊙ GCR89-8

BETHLEHEM RESOURCES CORPORATION

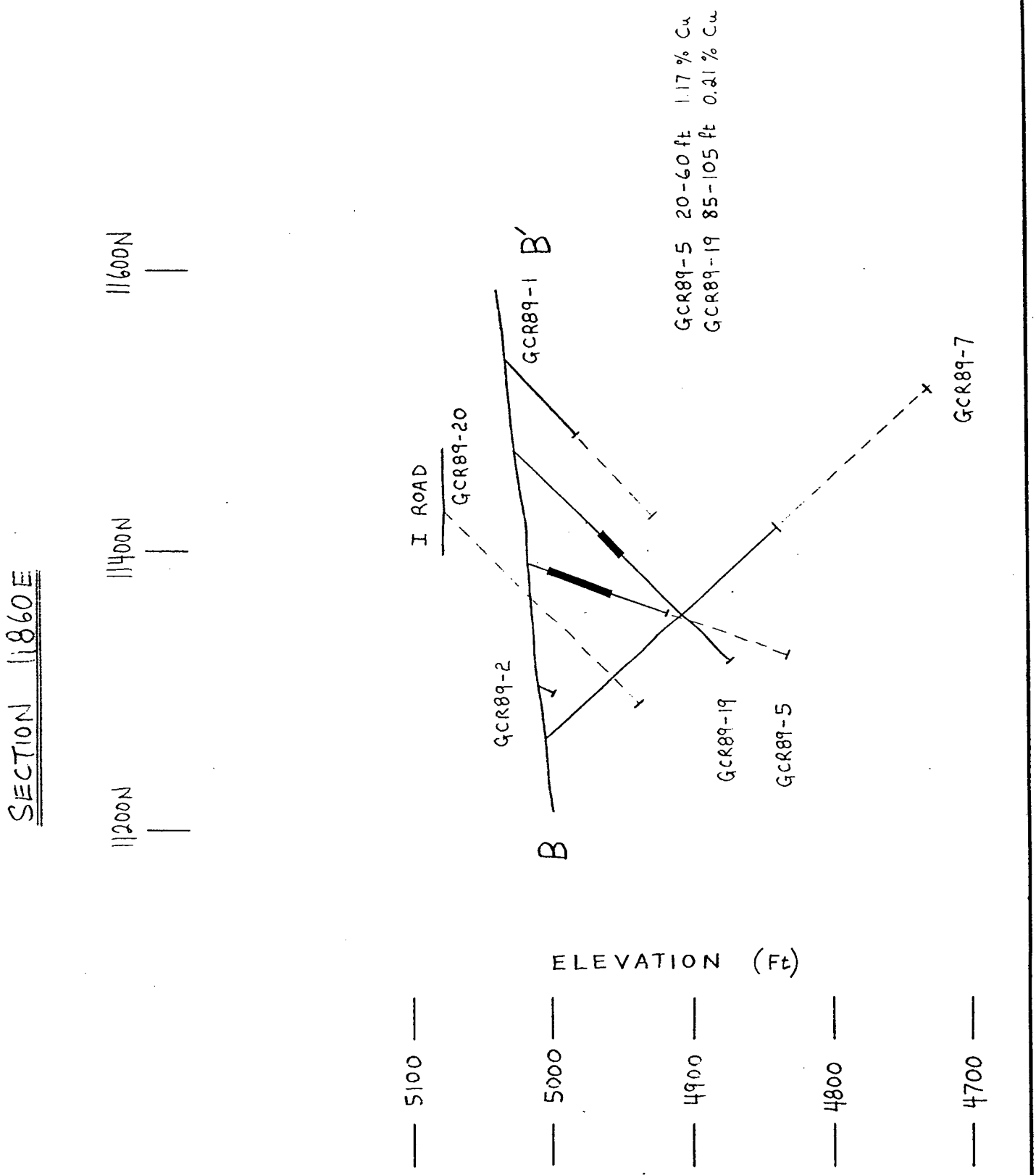
GIANT COPPER PROJECT

NO. 1 ANOMALY

TRENCH SAMPLE MAP

KEN HICKS CONSULTING	DATE:	MAP INDEX NO.	SCALE	DRAWING NO.
K.H.	AUG. 1989	92H - 3	AS ABOVE	FIG. 6

CHONG



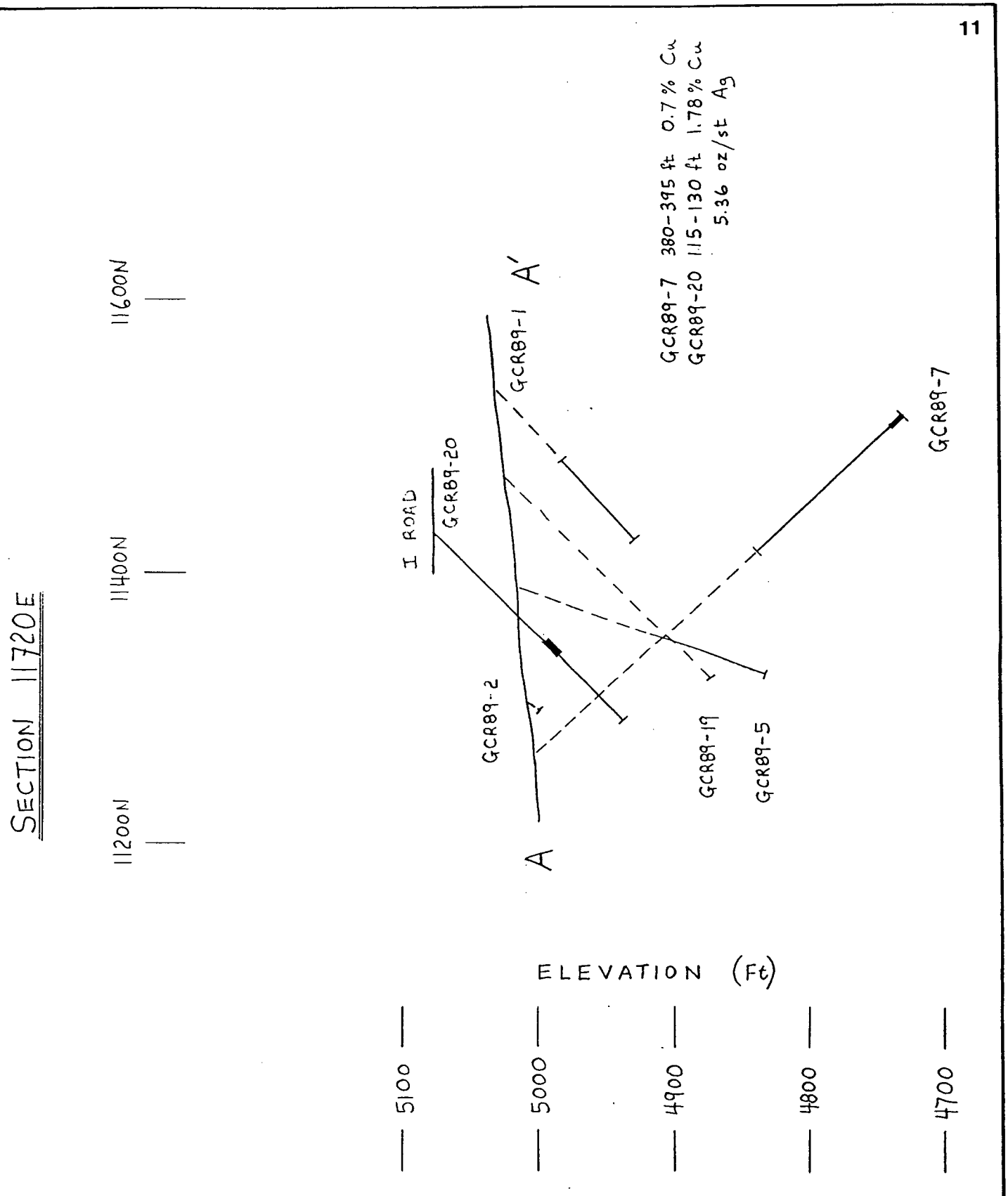
BETHLEHEM RESOURCES CORPORATION

GIANT COPPER PROJECT

No. 1 ANOMALY
DRILL SECTION 11860E +/- 70'

KEN HICKS CONSULTING	DATE :	MAP INDEX Nº.	SCALE	DRAWING Nº.
K.H.	AUG. 1989	92H - 3	1" = 100'	FIG. 7

CHONG



BETHLEHEM RESOURCES CORPORATION

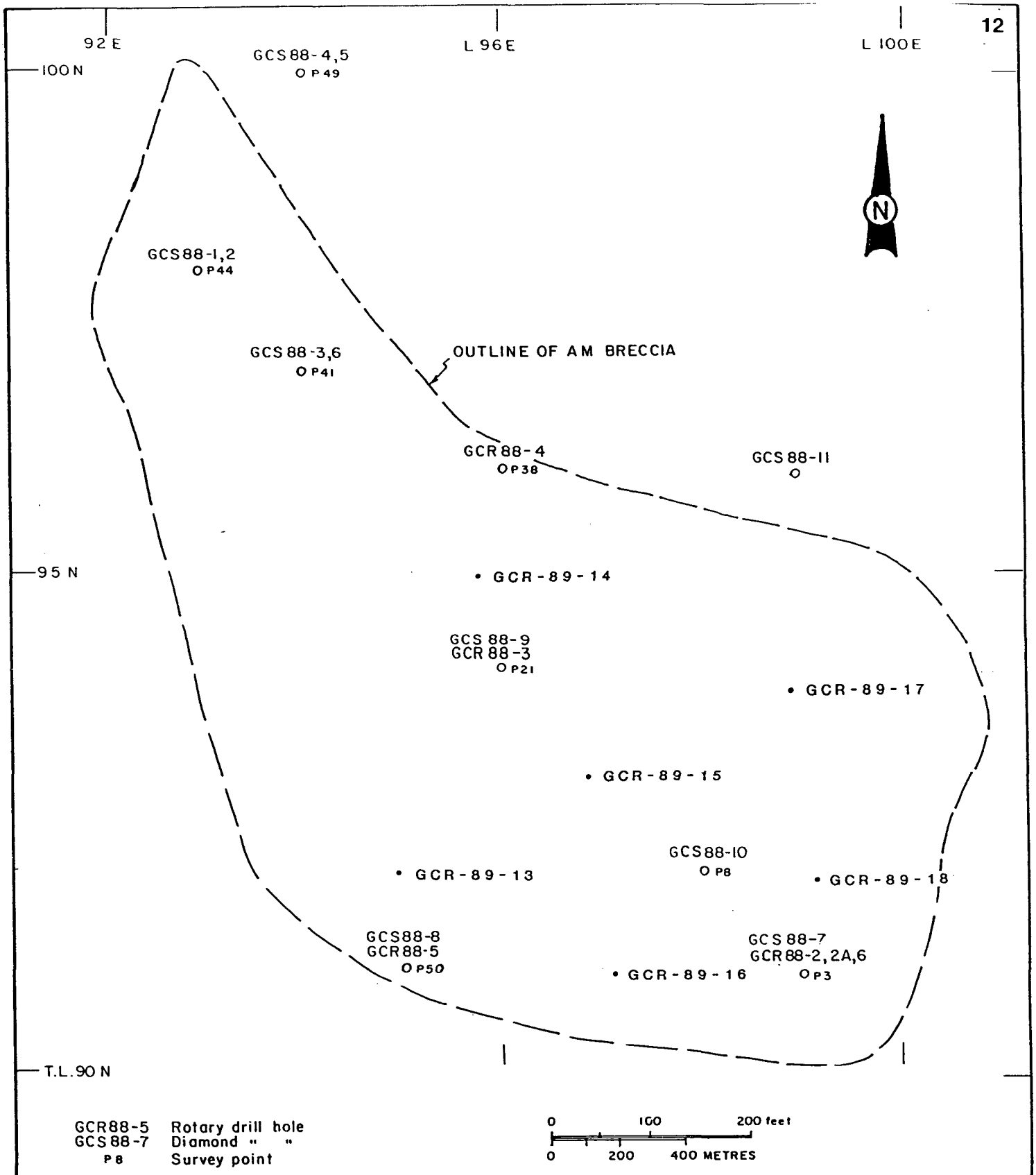
GIANT COPPER PROJECT

No. 1 ANOMALY

DRILL SECTION 11720E +/- 70'

KEN HICKS CONSULTING	DATE:	MAP INDEX Nº.	SCALE	DRAWING Nº.
K.H.	AUG. 1989	92H - 3	1" = 100'	FIG. 8

CHONG



BETHLEHEM RESOURCES CORPORATION

GIANT COPPER PROJECT

AM BRECCIA SURFACE DRILL LOCATION MAP

KEN HICKS CONSULTING	DATE :	MAP INDEX Nº.	SCALE	DRAWING Nº.
K.H.	AUG. 1989	92H - 3	1:1600 (1.5"=200')	FIG. 9

CHONG

Hole No	Area	Northing (ft)	Easting (ft)	Elev (ft)	Azm	Dip	Length (ft)
GCR-89-10	No 1	11660.81	12062.48	4920.33	190	-30	330
GCR-89-11	"	11574.73	12202.36	4867.10	335	-45	175
GCR-89-12	"	11706.84	12160.70	4861.38	190	-45	135
GCR-89-13	AM	9200.97	9507.59	5680.20	270	-45	235
GCR-89-14	"	9504.47	9565.85	5656.22	270	-45	455
GCR-89-15	"	9302.74	9671.84	5595.57	270	-45	375
GCR-89-16	"	9095	9712	5565	270	-45	280
GCR-89-17	"	9386	9876	5538	-	-90	500
GCR-89-18	"	9203	9909	5500	180	-45	245
GCR-89-19	No 1	11470	11869	5025	190	-45	215
GCR-89-20	"	11428	11727	5080	190	-45	200

Drilling Results

A number of the significant results of the 1989 rotary drilling program are summarized below. Rotary drill logs, complete with assay results and assay certificates are contained in Appendices II and IV, respectively.

HOLE NUMBER	WIDTH (ft)	INTERVAL (ft)	Cu %	Pb %	Zn %	Ag oz/t	Au oz/t
GCR-89-05	20	15-35	1.46	10.71	4.84	25.10	0.024
GCR-89-07	15	380-395	0.72	0.07	0.15	1.65	0.011
GCR-89-13	60	60-120	0.47	-	-	0.48	0.005
	35	130-165	0.55	-	-	0.46	0.002
	30	170-200	0.45	-	-	0.38	0.004
GCR-89-14	20	25-40	0.72	-	-	0.47	0.002
	30	355-385	0.61	-	-	0.51	0.001
GCR-89-15	15	280-295	0.70	0.01	0.08	0.50	0.003
GCR-89-17	50	115-165	0.69	0.07	0.01	0.62	0.004
GCR-89-20	30	100-130	0.99	0.06	0.10	2.84	0.006
	including						
	15	115-130	1.78	0.11	0.15	5.36	0.012

SUMMARY AND CONCLUSIONS

The 1989 rotary drilling program was successful in discovering a new mineralized breccia body in the No. 1 Anomaly area. A number of drill holes and trenches were positioned to delimit the size of the breccia body. The breccia appears to contain anomalous values in copper, lead, zinc, gold, and silver but below economic levels. However, drilling on the western portion of the breccia has intersected a higher grade structure, possibly a vein, with intersections of 1.46 % Cu, 10.71 % Pb, 4.84 % Zn and 25.10 oz/t Ag over 20 feet and 15 feet of 1.78 % Cu and 5.36 oz/t Ag. This zone is open to the west and is an excellent target for additional exploration.

Additional drilling of the central and southern portion of the AM breccia has expanded the area known to contain lower grade copper mineralization in the 0.3 to 0.5 percent range. The southern-most contact of the breccia with the surrounding sediments still has not been adequately tested with drilling and remains a viable exploration target.

RECOMMENDED EXPLORATION PROGRAM

The next phase of exploration drilling should consist of;

4) rotary drilling on the western extension of the new breccia to determine the dimensions along strike.

5) diamond drilling on the new breccia in order to recover whole core for detailed geological analysis.

The cost of the proposed exploration program recommended is estimated at approximately $200,000, broken down as follows:

DRILLING	
Rotary Drilling	
5,000 feet @ $25/foot (all inclusive)	$125,000
Diamond Drilling	
1,000 feet @ $50/foot (all inclusive)	$ 50,000
SURFACE EXPLORATION	
Trenching and road building	$ 25,000
TOTAL RECOMMENDED EXPLORATION BUDGET (approximately)	$200,000

It is estimated that the program will take approximately three to four weeks to complete.

TIMESHEET

K Hicks	July 18 - Aug 15, Aug 29 - 31	32 days
A. Weston	July 18 - Aug 15, Aug 29 - 31	32 days
L. Uher	May 21 - June 7, July 18 - Aug 9	28 days
H. Stefenelli	May 21 - June 7, Aug 3 - Aug 12	41 days

STATEMENT OF EXPENDITURES

Accommodation			
120 field man-days @ $45/man-day		$5,400.00	
Food			
120 field man-days @ $29.32/man-day		$3,518.40	
			$ 8,918.40
Field supplies/services			$ 634.79
Auto/Truck Expenses			
60 days @ $70/day			$4,200.00
Consulting			
Geological			
Personnel			
K. Hicks	32 days @ $250/day	$ 8,000.00	
A. Weston	32 days @ $200/day	$ 6,400.00	
L. Uher	28 days @ $200/day	$ 5,600.00	
			$20,000.00
Drilling			
Rotary 4845 ft @ $15/ft		$72,675.00	
Additional contractor costs		$10,070.44	
			$82,745.44
Site preparation and trenching			$50,097.50
Freight/Shipping			$372.59
Maps/Prints/Copies/Drafting			= $1,329.40
Miscellaneous (bags,sacks,etc..)			= $1,490.77
Sampling/Assays/Analysis			
979 samples @ $19/sample			= $18,601.00
Salaries			
H. V. Stefenelli	41 days @ $100/day		= $4,100.00
Tools/Equipment rental			= $1,258.34
TOTAL EXPENDITURES			= $193,748.23

STATEMENT OF QUALIFICATIONS

I, Kenneth Elbert Hicks, hereby certify that:

1.) I am an independent consulting geologist and sole operator of Ken Hicks Consulting with office at 115-1741 West 10th Avenue, Vancouver, B.C.

2.) I am a Fellow of the Geological Association of Canada in good standing.

3.) I graduated from the University of British Columbia in May 1982 with a Bachelor of Science degree (Honours) in Geology.

4.) I have worked in the field of mineral exploration for the past 10 years.

5.) I was engaged as an independent consultant by Bethlehem Resources Corporation of 860 - 808 West Hastings Street, Vancouver, B.C. to design and manage the exploration program outlined in the accompanying report. I have no financial or legal interest in the mineral properties therein described.

Respectfully submitted,

---Ken Hicks------

Ken Hicks
Consulting Geologist

STATEMENT OF QUALIFICATIONS

I, LUDEK UHER, of the City of North Vancouver, Province of British Columbia, hereby certify as follows:

1.) I am an independent consulting geologist with my office at 1412 - 1124 Lonsdale Avenue, North Vancouver, B.C. V7M 2H1.

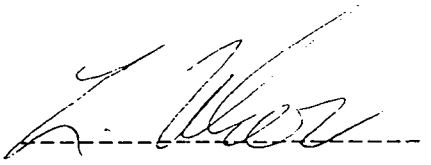
2.) I obtained a Bachelor of Science degree in Geology from University of British Columbia, Vancouver, B.C., in 1982.

3.) I have been practicing my profession as a geologist since 1982.

4.) I was engaged as an independent consultant by Ken Hicks Consulting of 115 - 1741 West 10th Avenue, Vancouver, B.C. to carry out work on the Giant Copper project during the 1988 field season. I have no financial or legal interest in the mineral properties therein described.

Dated at Vancouver, Province of British Columbia, this 1st day of January, 1989

Respectfully submitted,



L. Uher, B.Sc.

STATEMENT OF QUALIFICATIONS

I, Alan Charles Weston, hereby certify that:

1.) I am an independent consulting geologist with an office at 13841 78 Avenue, Surrey, B.C. V3W 2X9

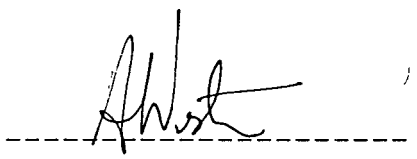
2.) I am an Associate of the Geological Association of Canada in good standing.

3.) I graduated from the University of British Columbia in May 1982 with a Bachelor of Science degree in Geology.

4.) I have worked in the field of mineral exploration for the past 10 years.

5.) I was engaged as an independent consultant by Ken Hicks Consulting, 115 - 1741 West 10th Avenue, Vancouver, B.C. to carry out work on the Giant Copper project during the 1989 field season. I have no financial or legal interest in the mineral properties therein described.

Respectfully submitted,



Alan Weston
Consulting Geologist

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APPENDIX I

CLAIMS INFORMATION

AM #5 Group - N/G Feb 26 1982
71 units

Claim	units	Record	Expiry
AM No.5	CG	L1581	
AM	CG	L1586	
Jet 1 Fr	1	10230	Dec 19 1992
26 Mile Fr	1	22735	Nov 7 1992
Lois Fr	1	19237	June 2 1992
Lois 1	1	19238	" 1992
Lois 2	1	19239	" 1992
Lois 3	1	19240	" 1992
Lois 4	1	19241	" 1992
Lois 5	1	19242	" 1992
Lois 6	1	19243	" 1992
Lois 7 Fr	1	22737	Nov 7 1992
Lois 8	1	19244	June 2 1992
Lois 9	1	19245	" 1992
Lois 10	1	19246	" 1992
Lois 11	1	19247	" 1992
Lois 12	1	19248	" 1992
Lois 13	1	19249	" 1992
Lois 14	1	19250	" 1992
Invermay 3	1	8058	Feb 24 1992
Vernon 1	1	5524	June 21 1992
Vernon 2	1	5525	" 1992
Vernon 5	1	5528	" 1992
Vernon 6	1	5529	" 1992
Vernon 7	1	5530	" 1992
Vernon 8	1	5531	" 1992
Lorna Fr	1	22736	Nov 7 1992
Leslie	1	19372	June 13 1992
Leslie 1	1	19373	" 1992
Leslie 2	1	19374	" 1992
Leslie 3	1	19375	" 1992
Misty	1	7712	April 15 1992
Misty 1	1	7713	" 1992
Misty 2	1	7714	" 1992
Misty 3	1	7715	" 1992
May Fr	1	22939	Dec 8 1992
May 1	1	8041	Feb 9 1992
May 2	1	8042	" 1992
May 3	1	8043	" 1992
May 4	1	8044	" 1992
May 5	1	8045	" 1992
May 6	1	8046	" 1992
May 7	1	8047	" 1992
May 8	1	8048	" 1992
May 9	1	8049	" 1992
May 10	1	8051	" 1992
May 11	1	8052	" 1992

AM #5 Group - N/G Feb 26 1982
continued

Claim	units	Record	Expiry
May 16	1	8781	Sept 15 1992
Brown 1	1	8238	Sept 1 1992
Brown 2	1	8239	" 1992
Brown 3	1	8240	" 1992
Brown 4	1	8241	" 1992
GC 44	1	22931	Dec 8 1992
GC 45	1	22932	" 1992
GC 46	1	22117	May 27 1992
GC 47	1	22933	Dec 8 1992
GC 48	1	22119	May 27 1992
GC 49	1	22120	" 1992
GC 50	1	22121	" 1992
GC 51	1	22122	" 1992
GC 52	1	22481	Oct 8 1992
GC 53	1	22482	" 1992
GC 54	1	22483	" 1992
GC 55	1	22484	" 1992
GC 56	1	22485	" 1992
Peg 1	1	22479	Oct 8 1992
Peg 2	1	22480	" 1992
Ridge 1Fr	1	22916	Dec 8 1992
Ridge 2 Fr	1	22917	" 1992
Ridge 3 Fr	1	22918	" 1992
Rex 22 Fr	1	27078	Sept 23 1992

AM #1 Group - N/G Aug 21, 1981
52 claims

Claim	units	Record	Expiry
Camborne 1	1	8065	Feb 24 1991
GC 35	1	22106	Aug 1 1991
GC 36	1	22929	Dec 8 1991
GC 37	1	22108	May 27 1991
GC 38	1	22109	Aug 1 1991
GC 39	1	22110	" 1991
GC 40	1	22111	May 27 1991
GC 41	1	22930	Dec 8 1991
GC 42	1	22113	May 27 1991
GC 43	1	22114	" 1991
GE 1	1	13537	Oct 9 1991
GE 2	1	13538	" 1991
GE 3	1	13539	" 1991
GE 4	1	13540	" 1991
GE 5	1	13541	" 1991
GE 6	1	13542	" 1991
GE 7	1	13543	" 1991
GE 8	1	13544	" 1991
GE 9	1	20439	May 10 1991
GE 10	1	20440	" 1991
GE 11	1	20441	" 1991
GE 12	1	20442	" 1991
GM 27	1	20430	" 1991
GM 28	1	20431	" 1991
GM 29	1	20432	" 1991
GM 30	1	20433	" 1991
GM 31	1	20434	" 1991
GM 32	1	20435	" 1991
IP 2 FR	1	22908	Dec 8 1991
IP 4 FR	1	1051	Sept 24 1991
IP 5 FR	1	22911	Dec 8 1991
IP 6 FR	1	22912	" 1991
IP 7 FR	1	22913	" 1991
IP 8 FR	1	22914	" 1991
IP 9 FR	1	22915	" 1991
John 1	1	804	Dec 12 1991
John 2	1	805	" 1991
John 3	1	806	" 1991
John 4	1	807	" 1991
Red 1	1	10226	Dec 19 1991
Red 2	1	10227	" 1991
Red 3	1	10228	" 1991
Red 4	1	10229	" 1991
Rex 11	1	23851	June 12 1991
Rex 12	1	23852	" 1991
Rex 13	1	23853	" 1991
Rex 14	1	23854	" 1991
Rex 15	1	23855	" 1991
Rex 16	1	23856	" 1991
Rex 17	1	23857	" 1991
Rex 18	1	23858	" 1991
AM # 1	CG	L1579	

Camborne Group - N/G Feb 26, 1982
41 units

Claim	units	Record	Expiry
Rex 19	1	23859	June 12 1992
Rex 20	1	23860	" 1992
Rex 21	1	23861	" 1992
Rex 22	1	23862	" 1992
GE 3 FR	1	20443	May 10 1992
Axe 2	1	27099	Oct 13 1992
Axe 10 FR	1	27107	" 1992
Barb 3	1	22906	Dec 17 1992
Barb 4	1	22905	" 1992
Ran	3	715	Sept 21 1992
Ran FR	1	716	" 1992
GC 57	1	22486	Oct 8 1992
GC 58	1	22487	" 1992
GC 59	1	22488	" 1992
GC 60	1	22489	" 1992
GC 61	1	22490	" 1992
GC 62	1	22491	" 1992
GC 63	1	22492	" 1992
GC 64	1	22493	" 1992
GC 65	1	22494	" 1992
GC 66	1	22495	" 1992
GC 67	1	22496	" 1992
GC 68	1	22497	" 1992
Sabre 1	1	10232	Dec 19 1992
Jet 2 FR	1	22940	Dec 8 1992
Hank 1 FR	1	22934	Dec 8 1992
Hank 2	1	22935	" 1992
Hank 4	1	22936	" 1992
Hank 5	1	5536	June 21 1992
Hank 6	1	22937	Dec 8 1992
Hank 7	1	5538	June 21 1992
Hank 8	1	22938	Dec 8 1992
Invermay 1	1	22941	" 1992
Invermay 2	1	22942	" 1992
Slide FR	1	1041	Sept 2 1992
Vernon 3	1	5526	June 21 1992
Vernon 4	1	5527	" 1992
Camborne 2	1	8066	Feb 24 1992
IP 1 FR	1	22907	Dec 8 1992

APPENDIX II

1989 PROGRAM - DRILL LOGS

ROTARY

DIAMOND ~~DRILL~~ HOLE RECORD

Bethlehem Resources Corporation

Property

Level		Lat. 11533.14N	Dip Tests		Hole No. GCR-89-1
Location		Dep. 11852.60E	Footage	Angle	Sheet No. 1
		Elev. 5030.48 ft			
Length	H.C. 173.2	Bearing 230°			Total Recov.
200	V.C. 100 ft	Slope -30°			Logged by L.H.

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION
0	15	NO RECOVERY	
15	25	MED. GREY APHANITIC QUARTZITE	
25	190	QUARTZ FELDSPAR? AUGITE PORPHYRY 100-190 MATRIX IS LIGHTLY CHLORITIZED	
190	200	MED. GREY APHANITIC QUARTZITE	
		EOH	

CORE ASSAYS										RECOVERY		GRAPHIC LOG
NO.	FROM	TO	FEET	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb		RUN	SHORT	
13801	15	25		38	28	155	0.6	nd				
13802	25	35		30	59	189	1.1	10				
13803	35	45		31	36	160	0.6	50				
13804	45	55		30	41	186	0.6	40				
13805	55	65		26	66	151	0.3	20				
13806	65	75		38	77	258	0.9	20				
13807	75	85		73	56	365	0.8	20				
13808	85	90		34	47	228	0.5	20				
13809	90	95		38	99	315	0.9	20				
13810	95	100		45	28	119	0.3	20				
13811	100	105		36	114	238	0.6	20				
13812	105	110		58	21	103	0.3	10				
13813	110	115		33	48	145	0.6	40				
13814	115	120		30	97	252	1.3	10				
13815	120	125		41	48	164	0.5	40				
13816	125	130		86	25	93	0.6	10				
13817	130	135		57	33	109	0.6	20				
13818	135	140		39	58	191	0.8	10				
13819	140	145		48	46	186	0.9	10				
13820	145	150		66	64	192	1.0	10				
13821	150	155		98	23	176	0.4	30				
822	155	160		54	49	219	0.6	40				
823	160	165		29	50	191	0.8	80				
824	165	170		66	77	199	0.8	40				
825	170	175		53	60	213	0.5	30				
826	175	180		95	85	223	0.9	30				
827	180	185		92	90	294	1.2	40				
828	185	190		61	66	211	0.8	40				
829	190	195		88	103	252	0.6	20				
830	195	200		108	80	250	0.8	20				

DIAMOND DRILL HOLE RECORD
Bethlehem Resources Corporation

Property

Level		Lat.	11304.04N	Dip Tests		Hole No.	GCR-89-2
Location		Dep.	11852.44E	Footage	Angle	Sheet No.	1
		Elev.	5010.57 ft.				
Length	H.C.	Bearing	240°			Total Recov.	
20	V.C.	Slope	-45			Logged by	L.U.

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION	CORE ASSAYS NO.	FROM	TO	FEET	Cu % ppm	Pb % ppm	Zn ppm	Ag ppm	Au ppb	RECOVERY RUN	RECOVERY SHORT	GRAPHIC LOG
0	10	Overburden no Sample													
10	20	"		13831	10	20	10	796	128	429	7.2	10			
		EOH													

DIAMOND DRILL HOLE RECORD
Bethlehem Resources Corporation

Property _____

Level		Lat. 11267.12N	Dip Tests		Hole No. GCR-89-3
Location		Dep. 12165.88E	Footage	Angle	Sheet No.
		Elev. 4887.26 ft.			
Length	H.C.	Bearing 310°			Total Recov.
95	V.C.	Slope -45°			Logged by L.H.

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION
0	10	NO RECOVERY	
10	55	LIGHT TO MED GREY APHANATIC QUARTZITE	
55	60	BLACK FINE GRAINED INTRUSIVE DIKE? (DIORITE)	
60	95	LIGHT TO MED. GREY APHANITIC QUARTZITE - MINOR TOURMALINE ON FRACTURES	

CORE ASSAYS No.	FROM	TO	FEET	Cu %	Pb %	Zn ppm	Ag ppm	Au ppb
3651	10	15	5	722	56	133	2.3	20
52	15	20	5	1230	.47	169	3.3	70
53	20	25	5	1256	50	211	2.8	30
54	25	30	5	1189	70	213	3.6	30
55	30	35	5	808	63	215	2.2	60
56	35	40	5	816	72	230	1.8	150
57	40	45	5	658	82	249	1.9	70
58	45	50	5	803	61	217	2.4	50
59	50	55	5	976	60	220	2.4	50
66	55	60	5	1333	72	244	3.1	90
61	60	65	5	981	79	283	2.4	50
62	65	70	5	718	61	220	1.8	20
63	70	75	5	751	64	221	1.6	20
64	75	80	5	208	59	265	.9	10
65	80	85	5	306	348	382	1.6	10
66	85	90	5	149	61	349	1.1	10
67	90	95	5	529	72	290	1.6	170

RECOVERY: RUN | SHORT

GRAPHIC LOG

DIAMOND DRILL HOLE RECORD
Bethlehem Resources Corporation

Property

Level		Lot. 11465.71N	Dip Tests		Hole No. GCR-89-4
Location		Dep. 12243.30E	Footage	Angle	Sheet No. 1
		Elev. 4867.12			
Length	H.C.	Bearing			Total Recov.
200	V.C.	Slope 90°			Logged by L.L.

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION
0	10	NO RECOVERY	
10	25	OVERBURDEN	
25	40	LIGHT BROWNISH APHANITIC QUARTZITE	
40	45	BLACK FINE GRAINED INTRUSIVE (DIORITE ?)	
45	130	LIGHT GREY APHANITIC QUARTZITE TOURMALINE ON FRACTURES & DISSEMINATIONS	
130	200	QUARTZITE / DIORITE BRECCIA (?) PYRITE USUALLY ASSOCIATED WITH DIORITE	
		EOH	

CORE ASSAYS

No.	FROM	TO	FEET	Cu % ppm	Pb % ppm	Zn ppm	Ag ppm	Au ppb	RECOVERY RUN	RECOVERY SHORT	GRAPHIC LOG
3668	10	15		864	.52	206	2.3	60			
69	15	20		815	86	228	2.8	50			
70	20	25		841	106	382	2.8	50			
71	25	30		218	42	463	0.8	30			
72	30	35		188	93	527	0.8	5			
73	35	40		162	454	838	2.1	5			
74	40	45		198	821	1263	32.0	70			
75	45	50		123	468	1207	13.8	70			
76	50	55		99	85	297	1.9	10			
77	55	60		90	87	243	1.5	20			
78	60	65		71	55	127	1.2	10			
79	65	70		210	581	1489	2.6	30			
80	70	75		63	266	850	1.3	50			
81	75	80		80	371	778	2.7	20			
82	80	85		91	159	576	1.0	10			
83	85	90		76	124	271	0.3	20			
84	90	95		52	232	549	1.2	20			
85	95	100		75	192	471	1.0	10			
86	100	105		88	79	221	1.0	10			
87	105	110		147	85	276	0.9	10			
88	110	115		96	56	214	0.8	10			
89	115	120		58	90	335	0.7	10			
90	120	125		122	109	404	1.0	5			
91	125	130		124	354	1133	1.7	5			
92	130	135		280	554	1710	4.9	20			
93	135	140		460	2139	4926	7.9	10			
94	140	145		225	749	1868	3.5	10			
95	145	150		263	709	2152	3.4	30			
96	150	155		162	493	1468	2.5	10			
97	155	160		128	640	1664	1.7	70			
98	160	165		219	267	733	3.0	60			
99	165	170		137	499	1112	3.5	70			
13700	170	175		79	373	674	3.5	50			
13751	175	180		115	203	480	1.3	10			
13752	180	185		138	124	334	0.6	10			
13753	185	190		112	209	599	0.5	20			
13754	190	195		31	135	330	0.5	5			
13755	195	200		20	290	1980	3.4	10			

DIAMOND DRILL HOLE RECORD
Bethlehem Resources Corporation

Property

Level		Lat. 11390.2N	Dip Tests		Hole No. GCR-89-5
Location		Dep. 11851.2E	Footage	Angle	Sheet No. 1 of 2
		Elev. 5019.46 ft			
Length	H.C. 131	Bearing -55			Total Recov.
230	V.C. 188	Slope -240°			Logged by L.U.

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION
0	15	NO RECOVERY	
15	110	QUARTZ FELDSPAR AUGITE PORPHYRY WITH LIGHT GREY QUARTZITE - BRECCIA'S SIO -55 BLACK FINE GRAINED INTRUSIVE DIDRITE	G.A. SPH. 15 TO 40 ft. CPY 40-75 ft.
110	115	LIGHT GREY APHANITIC QUARTZITE	
115	130	QUARTZ FELDSPAR, AUGITE PORPHYRY	
130	135	LIGHT GREY APHANITIC ~~PORPHYRY~~ QUARTZITE	
135	180	QUARTZ FELDSPAR AUGITE PORPHYRY	MINOR PY
180	185	LIGHT GREY GOUGE	
185	215	QUARTZ FELDSPAR AUGITE PORPHYRY	MINOR PY, CPY
215	225	LIGHT GREY APHANITIC QUARTZITE	TRC PY
225	230	QUARTZ FELDSPAR AUGITE PORPHYRY	

CORE ASSAYS

No.	FROM	TO	FEET	Cu %	Pb. %	Zn	Ag oz/st	Au oz/st
13788	15	20		.64	8.92	.66	11.20	.065
89	20	25		2.71	19.40	6.13	41.60	.043
90	25	30		1.90	10.30	8.25	27.90	.030
91	30	35		.62	4.25	4.33	19.60	.017
92	35	40		.80	1.50	1.96	7.43	.006
93	40	45		1.01	.92	5.77	4.95	.020
94	45	50		.80	.51	1.97	3.28	.012
95	50	55		.32	.27	.51	1.47	<.005
96	55	60		1.23	.49	.67	4.58	.006
97	60	65		.61	.15	.19	2.18	.009
98	65	70		.22	.02	.07	.66	.006
99	70	75		.25	.05	.08	.73	.010
				ppm	ppm	ppm	ppm	ppb
13800	75	80		1089	1334	1322	18.8	300
13851	80	85		1385	1063	1391	19.6	40
52	85	90		1282	5975	1796	30.5	40
53	90	95		1365	2055	2586	24.3	30
54	95	100		1872	1701	1805	26.0	60
55	100	105		1523	2541	2717	30.6	70
56	105	110		925	741	1590	12.2	10
57	110	115		607	528	905	9.1	10
58	115	120		807	848	1663	12.1	10
59	120	125		662	836	1808	10.6	10
60	125	130		754	1081	2224	12.9	5
61	130	135		878	629	1184	12.1	10
62	135	140		1157	688	655	19.4	60

RECOVERY: RUN | SHORT

GRAPHIC LOG

DIAMOND DRILL HOLE RECORD
Bethlehem Resources Corporation

Property

Level		Lat.	Dip Tests		Hole No. GCR-89-5
Location		Dep.	Footage	Angle	Sheet No. 2 of 2
		Elev.			
Length	H.C.	Bearing			Total Recov.
230	V.C.	Slope			Logged by L.U.

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION	CORE ASSAYS No.	FROM	TO	FEET	Cu % ppm	Pb % ppm	Zn ppm	Ag ppm	Au ppb	RECOVERY RUN	RECOVERY SHORT	GRAPHIC LOG
				13863	140	145		1609	470	556	18.3	50			
				64	145	150		1552	654	447	16.8	40			
				65	150	155		1246	436	379	14.6	40			
				66	155	160		1426	562	778	12.7	40			
				67	160	165		1238	1198	1727	15.9	40			
				68	165	170		859	654	886	10.7	130			
				69	170	175		836	728	401	27.9	170			
				70	175	180		418	791	1110	9.7	30			
				71	180	185		1065	1014	690	14.5	60			
				72	185	190		1721	667	317	17.9	300			
				73	190	195		1322	658	156	12.3	360			
				74	195	200		950	399	308	10.1	100			
				75	200	205		1031	505	468	12.8	130			
				76	205	210		950	572	908	10.3	40			
				77	210	215		792	470	724	9.0	40			
				78	215	220		1247	344	481	13.0	190			
				79	220	225		941	1009	462	12.6	530			
				13880	225	230		1065	3117	250	16.3	330			

DIAMOND DRILL HOLE RECORD
Bethlehem Resources Corporation

Property

Level		Lat. 11636.93 N	Dip Tests		Hole No. GCR-89-6
Location		Dep. 12305.08 E	Footage	Angle	Sheet No. 1
		Elev. 4811.68 H			
Length 165	H.C. V.C.	Bearing 230°			Total Recov.
		Slope -55°			Logged by L.u.

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION
0	10	NO RECOVERY	
10	165	LIGHT GREY BROWNISH APHANITIC QUARTZITE	
		125 - 130 DIORITE - FINE GRAINED	
		EOH	

CORE ASSAYS No.	FROM	TO	FEET	Cu % ppm	Pb % ppm	Zn ppm	Ag ppm	Au ppb	RECOVERY RUN	RECOVERY SHORT	GRAPHIC LOG
13756	10	15		135	.151	260	1.2	10			
57	15	20		125	117	226	0.8	20			
58	20	25		119	266	683	1.4	20			
59	25	30		22	45	272	0.8	5			
60	30	35		49	45	311	0.2	5			
61	35	40		58	56	350	0.2	20			
62	40	45		49	150	559	0.6	10			
63	45	50		38	75	483	0.1	5			
64	50	55		83	63	247	0.4	5			
65	55	60		72	70	477	0.7	10			
66	60	65		70	150	388	0.8	10			
67	65	70		62	191	557	0.7	10			
68	70	75		40	85	333	0.4	5			
69	75	80		72	140	300	0.6	10			
70	80	85		67	120	321	0.8	10			
72	85	90		31	44	265	0.3	5			
73	90	95		28	58	189	0.3	10			
74	95	100		74	50	156	0.1	10			
75	100	105		29	36	345	0.1	5			
76	105	110		42	484	831	1.0	5			
77	110	115		18	53	312	0.1	20			
78	115	120		33	46	201	0.1	10			
79	120	125		34	38	158	0.2	5			
80	125	130		26	54	121	0.2	10			
81	130	135		44	52	144	0.3	20			
82	135	140		24	40	38	0.2	10			
83	140	145		63	89	254	0.7	10			
84	145	150		34	96	233	0.6	10			
85	150	155		84	211	615	1.0	10			
86	155	160		233	465	445	3.0	30			
13787	160	165		418	489	339	4.1	60			

ROTARY DRILL HOLE RECORD

Bethlehem Resources Corporation

Property GIANT COPPER

Level NO. 1 ANOMALY	Lat. 11270 N	Dip Tests		Hole No. GCRB9-7	
Location	Dep. 11850 E	Footage	Angle	Sheet No. 1 OF 4	
	Elev. 5010			Date	
Length / H.C.	Bearing 335°			Total Recov.	
395' / V.C.	Slope -45°			Logged by KEN HICKS	

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION
0	10	CASING	
10	130	SILICIFIED SEDIMENTS	
		F.G. TAN-GREY SILICIFIED SEDIMENTS, RUSTY WEATHERING WITH MINOR F.G. DARK SEDIMENTS	
		35-40' AS ABOVE WITH TR. CHLORITE ON FRACTURES	
		50-55' AS ABOVE BUT TAN COLORED SEDIMENTS	
		55-60' AS ABOVE WITH MINOR INTRUSIVE WITH TRACE Tϕ	
		60-65 AS ABOVE WITH MINOR INTRUSIVE WITH MODERATE Tϕ ON FRACTURES AND VEINS	
		65-75 AS ABOVE WITH Tϕ BRECCIA AROUND SED FRAGS TRACE Py ON FRAC	
		75-85 F.G. GREY SILICIFIED SEDIMENTS · MINOR Py ON FRACTURE	
		85-110 F.G. TAN-GREY SILICIFIED SEDS WITH MINOR Tϕ IN FRACTURES, MINOR Py	
		110-125 F.G. GREY SILICIFIED SEDS WITH TRACE Py ON FRACTURES	
		125-130 AS ABOVE WITH TRACE CPy	
130	135	FAULT IN SEDIMENTS	
		F.G. GREY SILICIFIED SEDIMENTS WITH TRACE PYRITE MINOR LUMPS OF BLUE-GREY CLAY - POSSIBLE FAULT GOUGE	
135	145	MIX OF F.G. GREY SILICIFIED SEDIMENTS AND F.G. PYRITIC MAFIC DYKE? UP TO 20% Py IN DYKE MATERIAL	
		140-145' AS ABOVE WITH FELSIC QUARTZ-EYE INTRUSIVE MINOR Py, TRACE SP	

ASSAYS				PPB	PPM	PPM	PPM	PPM	PPM	PPM	GRAPHIC LOG
NO.	FROM	TO	FEET	Cu	Au	Ag	Mo	Zn	Pb	As	
BB001	5	10		382	20	3.4	18	216	100	201	
2	10	15		1378	20	2.3	19	950	180	512	
3	15	20		1427	20	3.3	22	1085	282	578	
4	20	25		985	30	1.4	18	989	69	296	
5	25	30		253	10	1.0	11	446	54	77	
6	30	35		224	nd	1.4	14	341	38	66	
7	35	40		324	10	1.5	12	759	30	197	
8	40	45		292	10	1.3	10	820	32	293	
9	45	50		572	nd	1.1	8	927	39	376	
10	50	55		600	20	1.3	10	1356	81	650	
11	55	60		611	20	1.2	9	1240	79	508	
12	60	65		205	20	0.4	5	647	46	159	
13	65	70		244	370	6.3	10	1672	1056	3972	
14	70	75		283	80	2.7	20	640	271	1004	
15	75	80		269	10	2.0	17	418	131	366	
16	80	85		292	10	1.8	18	444	126	386	
17	85	90		108	20	0.7	13	256	83	278	
18	90	95		207	20	0.7	8	269	43	203	
19	95	100		237	90	1.8	13	760	194	365	
20	100	105		173	80	3.5	27	1171	573	2716	
21	105	110		414	60	4.3	22	1062	294	1391	
22	110	115		285	60	1.6	15	542	89	605	
23	115	120		141	10	1.1	12	469	39	261	
24	120	125		201	10	2.3	13	767	73	438	
25	125	130		2037	250	16.8	11	836	441	7934	?
26	130	135		455	60	4.2	14	554	281	1709	
BB027	135	140		389	10	0.8	10	89	58	143	
28	140	145		1123	40	14.5	14	1585	636	927	

ROTARY DRILL HOLE RECORD

Bethlehem Resources Corporation

roperty GIANT COPPER

Level NO. 1 ANOMALY	Lat. 11270 N	Dip Tests		Hole No. GCRB9-7
Location	Dep. 11850E	Footage	Angle	Sheet No. 2 OF 4
	Elev. 5010			Date
Length H.C.	Bearing 335°			Total Recov.
395 V.C.	Slope -45°			Logged by KEN HICKS

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION	ASSAYS No.	FROM	TO	FEET	Cu	Au	Ag	Mo	Zn	Pb	As	GRAPHIC LOG
145	170	QUARTZ-EYE PORPHYRY INTRUSIVE LT GREY, MOTTLED QUARTZ PORPHYRY INTRUSIVE WITH STRONGLY SERICITIC, POSSIBLY SILICIFIED		88029	145	150		1001	20	11.1	11	802	353	380	
				88030	150	155		839	30	10.5	9	1633	546	152	
		145-155 AS ABOVE WITH TRACE CPY, TΦ		88031	155	160		1368	40	20.9	9	1404	1152	1370	
		155-160 AS ABOVE WITH GOOD CPY, MINOR SP & GA		88032	160	165		959	40	10.7	15	681	425	688	
		160-170 AS ABOVE WITH MINOR TΦ		88033	165	170		1261	110	13.9	12	454	1485	1777	
170	185	QUARTZ-EYE PORPHYRY INTRUSIVE / ~~MICROGRANITE~~ SILICIFIED SEDS LT GREY, MOTTLED QUARTZ PORPHYRY INTRUSIVE WITH MEDIUM GREY F.G. SILICIFIED SEDS.		88034	170	175		1431	70	14.7	10	371	425	1111	
				35	175	180		1119	40	12.2	10	378	416	753	
				36	180	185		51	150	11.2	9	755	411	1575	
		170-180' AS ABOVE WITH MINOR TΦ													
		180-185 AS ABOVE WITH TRACE CPY													
185	195	SILICIFIED SEDS F.G. GREY SILICIFIED SEDIMENTS		88037	185	190		73	140	3.2	15	388	162	140	
				88038	190	195		133	140	3.9	14	1607	849	188	
		185-190 AS ABOVE WITH TRACE PY													
		190-195 AS ABOVE WITH TRACE CPY IN FRACTURES													
195	210	QUARTZ-EYE PORPHYRY INTRUSIVE LT GREY, MOTTLED QUARTZ PORPHYRY INTRUSIVE		88039	195	200		926	200	11.2	9	1661	760	2845	
				40	200	205		999	110	8.3	10	896	274	1096	
				41	205	210		1395	120	13.8	11	494	269	1378	
		195-200 AS ABOVE WITH MINOR TΦ, TRACE PY, CPY & MO													
		200-205 AS ABOVE WITH ABDT TΦ IN PATCHES													
		205-210 AS ABOVE WITH MINOR TΦ AND MINOR F.G. MAFIC DYKE?													
210	215	SILICIFIED SEDS LT GREY, F.G. SILICIFIED SEDIMENTS WITH MINOR F.G. MAFIC DYKE?, PYRITIC.		88042	210	215		722	90	3.5	6	1420	443	558	

ROTARY DRILL HOLE RECORD

Bethlehem Resources Corporation

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Level NO. 1 ANOMALY	Lat. 11270N	Dip Tests		Hole No. GCR89-7	
Location	Dep. 11850E	Footage	Angle	Sheet No. 3 OF 4	
	Elev. 5010			Date	
Length H.C.	Bearing 235°			Total Recov.	
V.C.	Slope -45°			Logged by KEN HICKS	

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION	ASSAYS No.	FROM	TO	FEET	Cu	Au	Ag	Mo	Zn	Pb	As	GRAPHIC LOG
215	265	SILICIFIED SEDIMENTS / MAFIC DYKE / QUARTZ-EYE PORPHYRY INTRUSIVE		88043	215	220		651	170	8.8	8	801	423	1232	
				44	220	225		537	110	5.7	8	320	251	2352	
				45	225	230		827	70	9.2	7	332	217	347	
				46	230	235		975	180	16.4	7	209	300	855	
				47	235	240		571	40	9.0	13	301	169	800	
				48	240	245		588	40	8.6	7	406	210	684	
				49	245	250		740	70	9.6	11	372	208	471	
				50	250	255		837	90	11.4	9	187	173	304	
				51	255	260		770	60	10.4	11	456	285	525	
				52	260	265		828	70	9.4	14	741	405	512	
				53	265	270		478	50	5.1	9	311	190	471	
				54	270	275		1136	50	16.1	9	507	329	167	
				55	275	280		726	50	10.0	11	585	298	577	
				56	280	285		220	770	27.4	9	459	301	906	
				57	285	290		270	270	12.7	7	245	476	4440	
				58	290	295		220	770	153	13	2064	2163	3502	
				59	295	300		400	400	248	11	3098	9085	6195	
				60	300	305		900	900	13.7	6	4199	3048	8933	
				61	305	310		571	90	163	21	756	550	563	
				62	310	315		90	10	2.3	5	431	793	85	
				63	315	320		376	740	7.3	10	1788	1738	1621	
				64	320	325		233	60	5.6	6	649	991	792	
		QUARTZ-EYE PORPHYRY INTRUSIVE AND SEDS WITH MINOR T/P													
265	270	HORNFELSED SEDIMENTS DARK GREY-BROWNISH HORNFELSED SEDS WITH V.F.G. BIOTITE, MINOR PY, TRACE CPY & T/P													
270	305	QUARTZ-EYE PORPHYRY INTRUSIVE / HORNFELSED SEDS													
		270-280 AS ABOVE WITH MINOR T/P & CPY													
		280-285 AS ABOVE WITH MINOR PY, TRACE T/P													
		285-305 QUARTZ-EYE PORPHYRY INTRUSIVE WITH MINOR GREY SILICIFIED SEDS & TRACE MAFIC DYKE · MOD F.G. PY, TRACE T/P													

ROTARY DRILL HOLE RECORD

Bethlehem Resources Corporation

Property GIANT COPPER

Level NO. 1 ANOMALY	Lat. 11270 N	Dip Tests		Hole No. GCRB9-7
Location	Dep. 11850 E	Footage	Angle	Sheet No. 4 OF 4
	Elev. 5010			Date
Length H.C.	Bearing 335°			Total Recov.
V.C.	Slope -45°			Logged by KEN HICKS

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION
305	320	QUARTZ-EYE PORPHYRY INTRUSIVE / MAFIC DYKE	
		DARK GREEN, F.G. MAFIC DYKE & INTRUSIVE	
		305-315 AS ABOVE WITH MINOR CPY & TR	
		315-320 AS ABOVE WITH MINOR EAEy SILICIFIED SEDS	
320	395	QUARTZ-EYE PORPHYRY INTRUSIVE	
		WKly CHLORITIC, FELSIC QUARTZ RICH INTRUSIVE WITH MINOR HORNFELSED SEDS	
		325-330 AS ABOVE WITH MINOR TR	
		330-340 AS ABOVE WITH HEAVY TR & MOD CPY	
		340-350 AS ABOVE WITH MINOR TR & MOD CHL	
		350-355 AS ABOVE WITH MOD CHL	
		355-380 AS ABOVE WITH MINOR TR & MOD CHL	
		380-385 AS ABOVE WITH MOD CHL & TRACE CPY	
		385-390 AS ABOVE WITH MOD CHL, EXCELLENT CPY AND MINOR ASPy?	
		390-395 AS ABOVE WITH MOD CHL & MOD TR	
		395 EOH	

ASSAYS No.	FROM	TO	FEET	Cu	Au	Ag	Mo	Zn	Pb	As
8865	325	330		311	60	7.6	8	1023	1287	813
66	330	335		235	100	6.1	10	1148	1164	1092
67	335	340		170	40	1.8	25	352	180	317
68	340	345		41	60	0.5	11	112	79	53
69	345	350		19	20	0.2	3	117	48	46
70	350	355		51	10	0.6	4	203	69	41
71	355	360		296	20	2.6	5	318	115	185
72	360	365		264	50	3.7	6	184	116	64
73	365	370		375	30	3.3	4	277	145	89
74	370	375		497	20	5.6	4	243	219	354
75	375	380		360	40	7.7	8	444	273	251
76	380	385		2496	60	18.0	4	832	530	676
77	385	390		12990	920	100.8	5	462	395	9075
78	390	395		5988	140	51.0	6	3173	1283	670

GRAPHIC LOG

ROTARY DRILL HOLE RECORD

Bethlehem Resources Corporation

Property GIANT COPPER

Level NO. 1 ANOMALY	Lat. 11395.06 N	Dip Tests		Hole No. GCR89-8
Location	Dep. 12018.94 E	Footage	Angle	Sheet No. 1 OF 1
	Elev. 4944.87 FT.			Date
Length H.C.	Bearing 335.0			Total Recov.
V.C.	Slope -45.0			Logged by KEN HICKS

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION	ASSAYS No.	FROM	TO	FEET	Cu	Au	Ag	Mo	Zn	Pb	As	GRAPHIC LOG
0	15	CASING													
15	25	FELSIC INTRUSIVE		88079	15	20		5988	140	51.0	19	3123	1783	670	
				80	20	25		1285	400	11.8	8	579	358	11209	
		BROKEN, RUSTY WEA, SUCROSIC FELSIC INTRUSIVE													
		15-20 AS ABOVE WITH MINOR Py, TRACE CPY													
		20-25 AS ABOVE WITH MOD CHL, MINOR Py													
25	95	SILICIFIED SEDIMENTS		88081	25	30		533	40	2.0	8	414	78	578	
				82	30	35		3211	200	35.4	17	995	1071	15586	
		DOMINANTLY F.G. SILICEOUS SEDS WITH MINOR INTRUSIVE		83	35	40		1096	60	17.5	6	532	386	3363	
				84	40	45		555	nd	7.0	6	506	174	1696	
				85	45	50		504	nd	5.7	7	474	175	775	
		25-30 AS ABOVE WITH MINOR Tr, MOD Py IN INTRUSIVE		86	50	55		633	nd	1.5	10	596	76	457	
				87	55	60		285	nd	0.7	11	476	39	497	
		30-40 AS ABOVE WITH MINOR CPY		88	60	65		1066	nd	5.5	13	500	160	472	
				89	65	70		226	nd	1.7	16	531	151	184	
		40-45 AS ABOVE WITH MOD CPY		90	70	75		208	nd	2.4	9	1076	413	396	
				91	75	80		275	nd	1.7	6	635	83	354	
		45-50 F.G. GREY SILICIFIED SEDS		92	80	85		180	nd	0.6	4	548	78	219	
				93	85	90		257	nd	1.4	4	573	165	357	
		50-65 F.G. GREY-TAN SILICIFIED SEDS, TRACE MALACHITE, MANGANESE (PYROLUSITE) COATING ON FRACTURES.		88094	90	95		244	600	4.4	6	596	207	23160	
		65-75 F.G. GREY SILICIFIED SEDS, TRACE Tr													
		75-80 F.G. GREY SILICIFIED SEDS, MOD CHL ALT													
		80-95 F.G. GREY-TAN SILICIFIED SEDS WITH MINOR Tr & Py													
		95 EOH													

ROTARY DRILL HOLE RECORD

Bethlehem Resources Corporation

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Level NO 1 ANOMALY	Lat. 11586.95 N	Dip Tests		Hole No. GCR89-9
Location	Dep. 12009.27 E	Footage	Angle	Sheet No. 1 OF 3
	Elev. 4945.81			Date
Length / H.C.	Bearing 190°			Total Recov.
300 FT / V.C.	Slope -45°			Logged by KEN HICKS

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION
0	15	CASING	
15	80	FELSIC INTRUSIVE	
		WKly CHLORITIC, STRONGLY SERICITIC FELSIC INTRUSIVE CHL ALTERS MAFICS. BROWN-GREEN COLOR	
		15-45 AS ABOVE WITH TRACE PY	
		45-50 AS ABOVE WITH MINOR TØ	
		70-75 WKly SERICITIC, "FRESHER" LOOKING FELSIC INTRUSIVE - LT GREY-GREEN	
		75-80 FRESH INTRUSIVE WITH 2-3% TØ ALONG FRACTURES	
80	150	SILICIFIED F.G. SEDIMENTS	
		F.G. GREY SILICIFIED SEDIMENT.	
		80-85 AS ABOVE WITH TØ ~ 5%, RUSTY, LIMONITIC, MANGANIFEROUS	
		85-90 AS ABOVE WITH MINOR INTRUSIVE & TRACE GA?	
150	155	SILICIFIED SEDIMENTS / MAFIC DYKE	
		PREDOMINANTLY F.G. GREY SILICIFIED SEDIMENTS WITH MINOR DISSEM PY, LESSER PIECES OF F.G. PORPHYRITIC MAFIC INTRUSIVE DYKE AND MINOR PIECES OF COMPLETELY SERICITIZED / CLAY ALTERED FELSIC INTRUSIVE? (SIMILAR TO ALT'N SEEN IN "G" & "H" ROAD TRENCHES)	
155	170	SILICIFIED SEDIMENTS	
		F.G. GREY SILICIFIED SEDIMENTS	

ASSAYS No.	FROM	TO	FEET	Cu	Au	Ag	Mo	Zn	Pb	As	GRAPHIC LOG
88095	15	20		61	20	0.9	4	285	71	260	
96	20	25		114	20	1.6	3	387	88	200	
97	25	30		178	50	4.5	3	302	193	142	
98	30	35		84	10	1.1	3	246	73	104	
99	35	40		576	60	9.6	4	394	231	478	
100	40	45		217	30	2.8	3	292	105	171	
101	45	50		64	20	2.4	3	224	107	136	
102	50	55		112	30	0.8	3	220	88	162	
103	55	60		615	70	7.7	5	268	284	349	
104	60	65		523	170	5.8	7	317	296	426	
105	65	70		115	50	1.9	4	344	140	208	
106	70	75		710	50	4.6	4	642	530	213	
107	75	80		673	700	9.7	5	322	262	3240	
108	80	85		1706	170	14.5	19	584	370	2843	
109	85	90		3934	360	29.1	16	285	126	9462	
110	90	95		1602	160	17.6	17	556	908	4152	
111	95	100		1036	60	11.7	15	685	680	1124	
112	100	105		430	50	4.7	19	1135	1040	1283	
113	105	110		639	70	9.7	15	665	726	3538	
114	110	115		610	30	5.4	12	676	433	1047	
115	115	120		342	nd	2.2	14	517	151	466	
116	120	125		680	120	6.1	32	667	249	3596	
117	125	130		638	50	4.7	21	511	135	668	
118	130	135		302	40	1.0	10	394	56	205	
119	135	140		331	10	1.2	6	729	36	179	
120	140	145		361	380	5.4	11	969	1074	4388	
121	145	150		543	160	4.0	12	403	385	2136	
122	150	155		330	120	2.4	7	293	193	1522	
123	155	160		234	60	1.3	5	237	179	650	
124	160	165		185	70	0.6	5	169	52	235	
125	165	170		129	nd	0.4	4	377	65	183	

ROTARY DRILL HOLE RECORD

Bethlehem Resources Corporation

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Level NO. 1 ANOMALY	Lat. 11586.95 N	Dip Tests		Hole No. GCRB9-9
Location	Dep. 12009.27 E	Footage	Angle	Sheet No. 2 OF 3
	Elev. 494581 ft.			Date
Length H.C.	Bearing 190°			Total Recov.
300 FT V.C.	Slope -45°			Logged by KEN HICKS

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION
		155-160 AS ABOVE WITH MINOR Py & WK CHL ON FRAC	
		160-165 AS ABOVE WITH MODERATE Py, MINOR Tφ & POSSIBLE TRACE GA	
		165-170 AS ABOVE WITH MINOR Tφ	
170	280	SILICIFIED SEDS / INTRUSIVE	
		MIX OF F.G. LT GREY-DK GREY SILICIFIED SEDS & M.G. FELSIC INTRUSIVE ~~WEAK MOD SILICIFIED~~.	
		170-175 AS ABOVE WITH MOD Py	
		175-185 AS ABOVE, TRACE Tφ, F.G. DISSEM Py WITHIN SEDS	
		195-200 DOMINANTLY M.G. FELSIC INTRUSIVE, WKly CHLORITIC AFTER MAFICS. MOD Py BROKEN & BLOCKY	
		200-205 MIX OF SEDS & INTRUSIVE AS ABOVE TRACE Py & Tφ	
		220-225 AS ABOVE BUT DOMINANTLY MED GREY INTRUSIVE. RHYOLITIC	
		225-230 DOMINANTLY FELSIC INTRUSIVE WITH MOD Py, TRACE ASPy? & WK CHL. RUSTY WEA.	
		235-245 DOMINANTLY F.G. GREY SILICIFIED SEDS	
		245-250 F.G. LT-MED GREY SILICIFIED SEDS WITH MINOR F.G. MAFIC DYKE?	
		250-255 " " " WITH MINOR C.G. Tφ	

ASSAYS											
NO.	FROM	TO	FEET	Cu	Au	Ag	Mo	Zn	Pb	As	GRAPHIC LOG
88126	170	175		250	nd	1.3	5	401	90	332	
127	175	180		908	30	5.7	7	814	782	2381	
128	180	185		279	10	1.9	4	423	125	469	
129	185	190		296	30	2.6	9	721	403	878	
130	190	195		217	nd	1.9	5	494	115	538	
131	195	200		152	10	1.0	4	363	97	365	
132	200	205		250	30	2.6	4	426	212	574	
133	205	210		269	60	3.1	5	391	241	723	
134	210	215		283	50	4.1	5	404	296	727	
135	215	220		311	nd	2.6	5	400	141	662	
136	220	225		238	20	1.9	4	373	102	420	
137	225	230		280	nd	0.9	5	654	39	464	
138	230	235		217	40	1.0	6	568	71	359	
139	235	240		156	30	1.2	4	472	75	192	
140	240	245		187	30	0.9	5	242	39	519	
141	245	250		44	nd	0.3	3	197	34	53	
142	250	255		56	30	0.3	3	249	27	42	

ROTARY DRILL HOLE RECORD

Bethlehem Resources Corporation

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Level NO. 1 ANOMALY	Lot. 11586.95 N	Dip Tests		Hole No. GCR89-9
Location	Dep. 12009.27E	Footage	Angle	Sheet No. 3 of 3
	Elev. 4945.81 FT.			Date
Length / H.C.	Bearing 190°			Total Recov.
300 FT / V.C.	Slope -45°			Logged by KEN HICKS

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION
		255-260 AS ABOVE WITH MINOR TR	
		260-265 F.G. MEDGREY SILICIFIED SEDS	
		265-270 AS ABOVE WITH MINOR CHL	
		270-275 AS ABOVE WITH MOD TR	
		275-280 AS ABOVE WITH MINOR PY	
280	300	SILICIFIED SEDIMENTS	
		WHITE-TAN F.G. SILICIFIED SEDIMENTS - AA	
		280-300 AS ABOVE WITH MINOR CHL & PY	
		300 EOH	

ASSAYS											
NO.	FROM	TO	FEET	Cu	Au	Ag	Mo	Zn	Pb	As	GRAPHIC LOG
88143	255	260		44	10	0.4	4	611	43	65	
144	260	265		105	20	0.9	3	193	117	132	
145	265	270		33	20	1.8	4	808	527	81	
146	270	275		66	nd	0.7	8	257	98	137	
147	275	280		37	50	0.7	9	174	33	514	
148	280	285		28	20	0.1	5	96	26	37	
149	285	290		151	nd	0.7	7	338	122	163	
150	290	295		84	nd	0.4	6	364	76	38	
* 88195	295	300		116	110	1.5	7	387	152	116	

ROTARY DRILL HOLE RECORD

Bethlehem Resources Corporation

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Level NO. 1 ANOMALY	Lat. 11660.81 N	Dip Tests		Hole No. GCRA89-10	
Location	Dep. 12062.48 E	Footage	Angle	Sheet No. 1 OF 3	
	Elev. 4920.33 FT			Date	
Length H.C.	Bearing 190			Total Recov.	
330 FT V.C.	Slope -30°			Logged by KEN HICKS	

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION
0	10	CASING	
10	20	INTRUSIVE	
		LT GREY FELSIC INTRUSIVE & DARK, F.G. SILICIFIED MAFIC INTRUSIVE	
		10-15 AS ABOVE WITH MOD PY	
		15-20 AS ABOVE WITH MED GREY SILICIFIED SEDS	
		20-60 DOMINANTLY M.G. MAFIC HB? INTRUSIVE WITH CHL ALT'N OF MAFICS	
		60-65 " " WITH CLAY IN POSSIBLE FAULT GOUGE	
		65-70 " " WITH ABDT CLAY & MINOR CPY	
70	175	SILICIFIED SED / INTRUSIVE BRECCIA	
		LT GREY-TAN SILICIFIED SEDS WITH ~~MOD~~ Tφ. MINOR MAFIC INTRUSIVE. RUSTY, BROKEN, BRECCIATED SERICITE/CLAY ALTERED FELSIC INTRUSIVE	
		70-75 AS ABOVE WITH MINOR Tφ	
		75-80 AS ABOVE WITH MOD Tφ, MINOR Py & TRACE CPY	
		80-85 AS ABOVE BUT TRACE Tφ, Py	
		85-95 AS ABOVE WITH MOD Tφ, MINOR CPY	
		95-105 AS ABOVE WITH HEAVY Tφ	
		105-120 AS ABOVE WITH MINOR CPY & Py & MOD Tφ	

ASSAYS

NO.	FROM	TO	FEET	Cu	Au	Ag	Mo	Zn	Pb	As
88151	10	15		127	ND	1.2	5	202	50	84
152	15	20		110	ND	2.2	5	244	121	145
153	20	25		157	20	1.7	4	1217	153	133
154	25	30		44	10	0.5	1	285	52	36
155	30	35		32	ND	0.7	2	567	183	67
156	35	40		33	10	0.1	1	522	76	50
157	40	45		86	ND	0.1	2	252	34	31
158	45	50		27	10	0.1	1	190	24	26
159	50	55		47	ND	0.8	1	387	83	58
160	55	60		43	ND	1.2	1	396	68	279
161	60	65		86	ND	5.2	5	203	160	279
162	65	70		670	50	6.3	4	401	248	564
163	70	75		443	30	6.2	9	959	569	831
164	75	80		1299	260	15.4	10	733	184	5801
165	80	85		1549	50	17.8	14	1339	579	1446
166	85	90		952	2030	15.0	15	1500	876	7819
167	90	95		1187	50	17.4	22	1463	642	1584
168	95	100		1279	50	14.3	20	1349	510	939
169	100	105		883	30	10.5	14	1677	663	673
170	105	110		1281	80	16.1	13	629	524	2360
171	110	116		1148	80	13.2	11	2034	329	2077
172	116	120		1001	90	12.9	9	685	197	2397

GRAPHIC LOG

ROTARY DRILL HOLE RECORD

Bethlehem Resources Corporation

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Level NO. 1 ANOMALY	Lat. 11660.81 N	Dip Tests		Hole No. GCRB9-10
Location	Dep. 12062.48 E	Footage	Angle	Sheet No. 2 OF 3
	Elev. 4920.33 FT			Date
Length H.C.	Bearing 190°			Total Recov.
330 FT V.C.	Slope -30°			Logged by KEN HICKS

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION	ASSAYS No.	FROM	TO	FEET	Cu	Au	Ag	Mo	Zn	Pb	As	GRAPHIC LOG
		120-125 AS ABOVE WITH MINOR Py, MOD Tφ		88173	120	125		1415	40	14.6	10	1021	418	1596	
		125-130 AS ABOVE WITH MOD-HEAVY Tφ		174	125	130		687	70	12.6	9	479	195	2799	
		130-135 AS ABOVE WITH MINOR Py & TRACE CPy		175	130	135		789	90	12.3	10	1862	887	2480	
		135-145 AS ABOVE WITH MINOR Tφ		176	135	140		1194	170	14.8	12	649	457	3845	
		145-150 AS ABOVE WITH MINOR Py, Tφ & CPy		177	140	145		699	110	9.4	10	764	474	2903	
		150-155 AS ABOVE WITH CLAY (FAULT GOUGE)?		178	145	150		962	340	12.0	11	387	185	14368	
		155-165 AS ABOVE WITH MINOR Tφ & Py		179	150	155		1390	40	16.9	10	340	406	1917	
		165-170 AS ABOVE WITH MINOR Py, CPy, MOD Tφ		180	155	160		1269	150	15.8	12	287	379	4743	
				181	160	165		917	140	14.8	9	360	547	5960	
				182	165	170		1117	240	25.7	11	462	1883	9125	
				183	170	175		457	110	10.7	19	1232	721	2262	
				184	175	180		376	40	3.8	20	691	213	633	
				185	180	185		916	100	8.7	10	328	215	2097	
				186	185	190		409	40	3.6	7	305	98	522	
				187	190	195		258	30	2.1	4	337	15	128	
				188	195	200		189	80	2.3	4	380	124	592	
170	265	SILICIFIED SEDS		189	200	205		223	20	1.4	9	355	69	301	
		170-175		190	205	210		274	70	2.2	10	424	96	1513	
		F.G. GRAY ~~FELSIC~~ SEDIMENTS WITH LESSER FELSIC INTRUSIVE · RUSTY WEA, MINOR Py, TRACE Tφ		191	210	215		816	40	3.2	9	206	44	1166	
				192	215	220		330	30	3.1	9	479	126	505	
				193	220	225		558	190	4.4	7	949	792	7829	
				194	225	230		250	50	6.5	5	698	526	1687	
		175-195 AS ABOVE WITH TRACE Pφ	*	196	230	235		209	60	3.4	10	581	115	952	
				197	235	240		66	40	2.1	7	526	123	183	
		195-200 AS ABOVE WITH TRACE Pφ, Tφ		198	240	245		65	30	1.4	3	446	53	98	
				199	245	250		94	ND	1.1	5	351	84	173	
		200-210 AS ABOVE WITH WKLY NONFELSED SEDS. MOD CHL ON FRAC. TRACE Py		200	250	255		103	ND	1.6	5	459	169	171	
				201	255	260		47	ND	2.8	2	347	365	98	
				202	260	265		161	ND	2.2	4	218	61	231	
		210-215 AS ABOVE WITH MOD Py, TRACE Tφ		203	265	270		98	20	2.1	4	248	69	146	
				204	270	275		145	ND	2.6	6	648	140	448	
		215-220 AS ABOVE WITH MOD Py, Tφ & TRACE CPy		205	275	280		206	10	3.7	5	293	127	217	
				206	280	285		281	10	3.8	6	627	323	306	
		230-235 AS ABOVE WITH MINOR CPy		207	285	290		212	30	2.7	8	302	105	241	
				208	290	295		393	10	4.4	10	510	124	642	
		235-245 AS ABOVE WITH TRACE CHL & Py		209	295	300		103	10	1.4	5	141	46	61	
				210	300	305		87	ND	1.1	13	120	48	38	
		245-250 AS ABOVE WITH MOD Tφ & QTZ VEIN MATERIAL		211	305	310		80	10	1.9	18	396	160	94	
				212	310	315		126	10	1.5	5	164	61	62	

ROTARY DRILL HOLE RECORD

Bethlehem Resources Corporation

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Level NO. 1 ANOMALY		Lat. 11660.81N	Dip Tests		Hole No. GCR89-10
Location		Dep. 12062.48 E	Footage	Angle	Sheet No. 3 OF 3
		Elev. 4920.33 FT			Date
Length	H.C.	Bearing 190°			Total Recov.
330 FT	V.C.	Slope -80°			Logged by KEN HICKS

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION
		250-265 AS ABOVE WITH TRACE Tρ. SLTLY HORNFELSED SEDIMENTS	
		265-270 DOMINANTLY F.G. WISPY GREEN-TAN CHLORITIC INTRUSIVE. MINOR GREY SILICIFIED SEDS	
270	275	INTRUSIVE	
		F.G-M.G. FELSIC INTRUSIVE WITH GREY MATRIX AND VISIBLE FELDSPAR PHENOCRYSTS.	
275	330	SILICIFIED SEDIMENTS	
		LT GREY F.G. SILICIFIED SEDIMENTS	
		275-280 GREY-BROWN HORNFELSED SEDS WITH MOD Py, CHL AND TRACE CPY	
		280-290 AS ABOVE BUT TRACE MALACHITE	
		290-310 AS ABOVE WITH MOD Py & CHL	
		310-330 AS ABOVE WITH MOD CHL, Tρ & MINOR Py	
		330 EOH	

ASSAYS No.	FROM	TO	FEET	Cu	Au	Ag	Mo	Zn	Pb	As
213	315	320		88	90	1.6	14	188	65	83
214	320	325		75	10	1.4	6	569	202	834
215	325	330		87	ND	1.3	7	386	107	265

GRAPHIC LOG

ROTARY DRILL HOLE RECORD

Bethlehem Resources Corporation

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Level NO: 1 ANOMALY	Lat. 11574.13 N	Dip Tests		Hole No. GCRB9-11
Location	Dep. 12202.36 E	Footage	Angle	Sheet No. 1 OF 1
	Elev. 4867.10 FT			Date
Length / H.C.	Bearing 335°			Total Recov.
175 / V.C.	Slope -45°			Logged by KEN HICKS

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION
0	10	CASING	
10	175	INTRUSIVE / SILICIFIED SEDIMENTS	
		LT GREY "MOTTLED" FELSIC INTRUSIVE WITH MINOR CHLORITIC MAFICS & GREY-TAN SILICIFIED F.G. SEDIMENTS; USUALLY RUSTY WEATHERING, BROKEN	
		15-20 AS ABOVE WITH MINOR DISSEM Py	
		20-25 AS ABOVE WITH SEDIMENTS WKLY HORNFELSED	
		25-35 DOMINANTLY F.G. GREY SILICIFIED SEDS, WKLY HORNFELSED	
		35-75 " " WITH MINOR Py & Tr	
		75-80 AS ABOVE	
		80-115 DOMINANTLY INTRUSIVE WITH MINOR CHL MAFICS, MINOR SILICIFIED SEDS	
		115-125 " " WITH MINOR F.G. MAFIC DYKE? POSS Tr	
		125-130 " " WITH MINOR CLAY / FAULT GOUGE	
		175 EOH	

ASSAYS												GRAPHIC LOG
NO.	FROM	TO	FEET	Cu	Au	Ag	Mo	Zn	Pb	As		
88216	10	15		267	20	2.6	5	471	82	428		
217	15	20		155	10	2.1	5	277	55	302		
218	20	25		45	ND	1.3	4	643	52	79		
219	25	30		66	ND	1.2	3	450	53	117		
220	30	35		41	20	1.4	4	483	154	85		
221	35	40		152	20	2.1	7	619	165	283		
222	40	45		85	10	2.4	6	753	148	247		
223	45	50		63	20	0.9	3	531	70	113		
224	50	55		90	10	2.5	7	519	134	280		
225	55	60		50	10	1.5	8	368	117	131		
226	60	65		37	ND	1.3	3	500	74	63		
227	65	70		63	10	1.3	4	274	99	30		
228	70	75		27	ND	1.3	2	194	78	24		
229	75	80		23	10	2.4	3	235	163	258		
230	80	85		569	40	5.9	3	340	133	879		
231	85	90		73	10	1.4	2	379	112	98		
232	90	95		28	40	1.2	2	236	91	150		
233	95	100		51	10	0.7	3	245	68	134		
234	100	105		54	20	1.4	3	361	137	147		
235	105	110		58	10	0.5	3	271	62	71		
236	110	115		63	ND	0.7	4	296	47	136		
237	115	120		42	10	0.7	4	219	45	86		
238	120	125		75	10	0.4	6	345	58	167		
239	125	130		211	60	1.2	8	295	61	199		
240	130	135		119	60	0.8	4	226	44	111		
241	135	140		127	10	0.8	3	358	82	92		
242	140	145		78	20	2.5	8	760	347	261		
243	145	150		63	20	0.7	4	237	88	103		
244	150	155		87	20	0.7	3	172	56	85		
245	155	160		187	110	2.1	4	172	73	272		
246	160	165		225	70	1.6	4	234	58	194		
247	165	170		164	70	0.8	8	273	55	234		
88248	170	175		129	110	1.7	15	169	63	165		

ROTARY DRILL HOLE RECORD

Bethlehem Resources Corporation

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Level NO·1 ANOMALY	Lat. 11706·89N	Dip Tests		Hole No. GCR89-12
Location F Road	Dep. 12160·7 E	Footage	Angle	Sheet No. 1 OF 1
	Elev. 4861.38FT			Date
Length / H.C.	Bearing 190			Total Recov.
135 FT. / V.C.	Slope -45			Logged by KEN HICKS

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION
0	5	CASING	
5	10	INTRUSIVE / SILICIFIED SEDIMENTS	
		MIX OF LT GREY FELSIC INTRUSIVE & TAN-GREY SILICIFIED SEDIMENTS · RUSTY WEA.	
10	120	INTRUSIVE	
		FELSIC INTRUSIVE WITH CHL ALT'N OF MAFICS	
		95-120 AS ABOVE WITH MINOR T/P	
120	135	SILICIFIED SEDIMENTS	
		F.G. GREY SILICIFIED SEDIMENTS · TRACE DISSEM PY, MINOR RUSTY WEA INTRUSIVE	
		135 EOH	

ASSAYS

NO.	FROM	TO	FEET	Cu	Au	Ag	Mo	Zn	Pb	As
88249	5	10		109	40	1.0	5	209	55	124
50	10	15		255	150	1.6	4	192	61	270
51	15	20		154	30	1.9	4	263	147	217
52	20	25		109	40	1.2	5	537	104	134
53	25	30		62	20	0.2	3	262	38	86
54	30	35		172	30	0.7	5	186	40	237
55	35	40		171	10	1.4	5	205	60	684
56	40	45		59	30	0.3	4	486	35	168
57	45	50		84	30	0.4	3	252	36	334
58	50	55		110	30	0.6	3	211	55	707
59	55	60		138	20	0.6	3	175	48	130
60	60	65		33	20	0.4	3	359	39	52
61	65	70		33	30	0.3	4	179	37	64
62	70	75		68	30	5.2	12	272	304	790
63	75	80		33	10	0.1	7	240	37	167
64	80	85		127	30	2.1	11	566	258	972
65	85	90		203	90	1.4	19	430	263	1592
66	90	95		164	70	0.5	9	254	46	504
67	95	100		110	140	0.8	4	211	69	760
68	100	105		343	60	2.3	27	1242	167	1373
69	105	110		53	30	1.1	4	233	67	183
70	110	115		60	20	0.9	4	259	74	94
71	115	120		58	20	0.5	4	212	45	73
72	120	125		93	10	1.2	6	276	74	165
73	125	130		96	40	1.2	4	261	80	332
88274	130	135		37	nd	0.6	6	306	54	71

GRAPHIC LOG

ROTARY DRILL HOLE RECORD

Bethlehem Resources Corporation

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Level AM BRECCIA	Lat. 9200.97	Dip Tests		Hole No. GCRB9-13	
Location	Dep. 9507.59 E	Footage	Angle	Sheet No. 1 OF 3	
	Elev. 5680.20 FT			Date	
Length H.C.	Bearing 270°			Total Recov.	
235' V.C.	Slope -45°			Logged by KEN HICKS	

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION	ASSAYS No.	FROM	TO	FEET	Cu	Au	Ag	Mo	Zn	Pb	As	GRAPHIC LOG
0	5	CASING		88275	0	5		1351	110	6.4	13	357	51	4588	
				276	5	10		426	20	0.6	12	272	40	752	
5	10	RUSTY, MANGANIFEROUS CHIPS													
10	20	MAFIC INTRUSIVE (BRECCIA MATRIX ?)		88277	10	15		195	nd	0.8	5	165	36	408	
				278	15	20		338	70	1.2	5	229	76	349	
		F.G. DARK, MAFIC INTRUSIVE, POSSIBLY OCCURRING AS MATRIX BETWEEN FRAGMENTS OF SILICIFIED SEDS OR DYKE													
		10-15 AS ABOVE, MINOR RUSTY CHIPS													
		15-20 AS ABOVE WITH SILICIFIED F.G. GREY SEDS													
20	60	SILICIFIED SEDIMENTS		88279	20	25		705	30	2.0	13	397	61	397	
				280	25	30		1504	230	4.5	21	274	75	855	
		F.G. GREY SILICIFIED SEDIMENTS		281	30	35		611	70	2.3	7	172	43	1989	
				282	35	40		274	nd	1.5	4	135	38	1037	
		20-25 AS ABOVE WITH MOD-HEAVY BX ALONG FRACS & VEINLETS		283	40	45		240	nd	1.6	4	213	38	273	
				284	45	50		417	70	1.6	10	105	27	134	
				285	50	55		585	40	2.0	18	152	45	602	
		25-30 AS ABOVE WITH MINOR Tϕ IN FRAC		286	55	60		636	30	2.5	13	157	45	648	
				287	60	65	↑	2679	30	10.5	630	234	57	1207	
		35-45 F.G. BROWNISH-PURPLE HORNFELSED SEDS		288	65	70		4838	120	19.1	122	156	71	8759	
				289	70	75		2221	280	7.5	108	51	30	15119	
		45-55 AS ABOVE WITH TRACE CPy		290	75	80		2392	270	7.2	14	66	36	13539	
				291	80	85		2308	190	7.4	20	256	29	11970	
		55-60 AS ABOVE WITH TRACE Tϕ		292	85	90		10325	180	37.9	175	381	95	5428	
				293	90	95		9347	190	25.5	24	698	147	359	
60	210	SEDIMENT-INTRUSIDE BRECCIA?		294	95	100		11396	480	37.3	18	721	193	151	
				295	100	105		3466	90	14.0	25	426	92	573	
		DOMINANTLY GREY SILICIFIED, POSSIBLY HORNFELSED SEDS WITH MINOR STRONGLY SERICITIC / CLAY ALTERED FELSIC INTRUSIVE? RUSTY LIMA, MALACITE STAINING		296	105	110		2479	60	10.9	21	601	140	108	
				88297	110	115		2911	70	13.2	123	544	110	225	
				88298	115	120		2256	40	7.6	55	604	119	168	
		60-65 AS ABOVE WITH GOOD CPy & Tϕ													
		65-70 AS ABOVE WITH EXCELLENT CPy													

ROTARY DRILL HOLE RECORD

Bethlehem Resources Corporation

Property GIANT COPPER

Level AH BRECCIA	Lat. 9200.97 N	Dip Tests		Hole No. GCRB9-13
Location	Dep. 9507.59 E	Footage	Angle	Sheet No. 2 OF 3
	Elev. 5680.20 FT			Date
Length 235' H.C.	Bearing 270			Total Recov.
V.C.	Slope -45°			Logged by KEN HICKS

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION
		70-75 AS ABOVE WITH GOOD CPy, EXCELLENT ASPy IN MINOR QTZ VEIN MATERIAL	
		75-100 AS ABOVE WITH MOD CPy	
		100-110 MIX OF F.G. GREY SILICIFIED SEDS, F.G. MAFIC INTRUSIVE MATRIX & FELSIC INTRUSIVE WITH MINOR MAFICS. MOD CPy	
		110-125 DOMINANTLY F.G. GREY SILICIFIED SEDS, WEAKLY HORNFELSED?, WEAKLY RUSTY. MINOR CPy	
		125-135 AS ABOVE WITH TRACE CPy	
		135-145 AS ABOVE WITH GOOD Py & MOD CPy	
		145-150 GREENISH-GREY SERICITIC FELSIC INTRUSIVE & LT GREY SILICIFIED SEDS	
		150-165 DOMINANTLY F.G. GREY SILICIFIED SEDS WITH LESSER SERICITIC FELSIC INTRUSIVE. GOOD Py & CPy.	
		165-175 F.G. GREY SILICIFIED SEDS WITH GOOD CPy & MINOR Tr	
		175-180 " " WITH MOD CPy & Py	
		180-185 AS ABOVE WITH MINOR CPy & Py	
		185-190 AS ABOVE WITH EXCELLENT CPy & MINOR GREY METALLIC	
		190-200 AS ABOVE WITH MINOR CPy & Py	
		200-205 SILICIFIED SEDS & GREEN-GREY SERICITIC FELSIC INTRUSIVE.	
		205-210 " " WITH MINOR CPy & Tr	

ASSAYS											
No.	FROM	TO	FEET	Cu	Au	Ag	Mo	Zn	Pb	As
299	120	125		694	20	3.2	18	248	43	94
88300	125	130		418	40	2.8	5	264	39	140
301	130	135		2509	40	8.7	42	440	97	273
302	135	140		4603	60	15.3	84	642	167	364
303	140	145		4507	100	14.2	86	712	138	284
304	145	150		6335	80	19.8	50	180	52	1080
305	150	155		8647	70	24.1	40	160	46	1450
306	155	160		4071	20	12.2	22	200	47	188
307	160	165		7730	30	21.9	49	353	56	171
308	165	170		1214	20	4.6	7	218	47	88
309	170	175		3021	20	9.7	23	190	47	166
310	175	180		5267	60	15.0	20	102	38	2013
311	180	185		4148	130	11.8	20	101	27	1179
312	185	190		10461	380	28.9	61	136	38	2917
313	190	196		2292	60	6.9	32	46	24	1074
314	195	200		1528	110	5.3	17	40	22	1411
315	200	205		894	70	3.5	14	114	44	694
316	205	210		689	70	3.1	9	226	68	380
317	210	215		806	100	2.9	9	157	57	290
318	215	220		733	140	2.6	5	134	58	202
319	220	225		484	10	1.6	15	306	31	68
320	225	230		918	40	2.7	16	142	33	47
88321	230	235		733	30	2.7	22	256	61	59

GRAPHIC LOG

ROTARY DRILL HOLE RECORD

Bethlehem Resources Corporation

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Level AM BRECCIA		Lat. 9200.97 N	Dip Tests		Hole No. GCRB9-13
Location		Dep. 9507.59 E	Footage	Angle	Sheet No. 3 OF 3
		Elev. 5680.20 FT.			Date
Length	H.C.	Bearing 270°			Total Recov.
235	V.C.	Slope -45°			Logged by KEN HICKS

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION	ASSAYS No.	FROM	TO	FEET	GRAPHIC LOG
210	235	SILICIFIED SEDIMENTS						
		PREDOMINANTLY COARSE, BLOCKY GREY AND BROWNISH GREY SILICIFIED AND HORNFELSED SEDS.						
		210-215 AS ABOVE WITH TRACE Cpy						
		215-220 AS ABOVE WITH MOD Py & TRACE Cpy						
		220-225 AS ABOVE WITH MOD Py						
		225-230 AS ABOVE WITH MOD Py & TRACE Cpy						
		230-235 AS ABOVE WITH MINOR Py						
		235 EOH						

ROTARY DRILL HOLE RECORD

Bethlehem Resources Corporation

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Level A.M. BRECCIA	Lat. 9504.47 N	Dip Tests		Hole No. GCRB9-14
Location	Dep. 9565.85 E	Footage	Angle	Sheet No. 1 OF 3
	Elev. N 5650.22 FT			Date
Length 455' H.C.	Bearing 270°			Total Recov.
V.C.	Slope -45°			Logged by KEN HICKS

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION
0	455	SEDIMENT - INTRUSIVE BRECCIA	
		MIX OF DOMINANTLY F.G. GREY SILICIFIED SEDS WITH LESSER F.G. MAFIC INTRUSIVE (POSSIBLY MATRIX of BRECCIA) & F.G. GREY-GREEN FELSIC INTRUSIVE	
		0-5 AS ABOVE, RUSTY WEA CHIPS	
		10-20 AS ABOVE, MANGANIFERROUS COATING & MINOR WHITE CLAY (POSSIBLE FAULT GOUGE)	
		20-30 AS ABOVE WITH MINOR QTZ-Py CHIPS	
		30-35 AS ABOVE WITH TRACE Py	
		35-40 DOMINANTLY SILICIFIED SEDS WITH LESSER FELSIC INTRUSIVE. GOOD CPY	
		45-55 " " WITH WHITISH CLAY / SERICITE ALTERED FELSIC INTRUSIVE?.	
		55-60 DOMINANTLY REDDISH F.G. HORNFELSED SEDS AND MINOR GREY SILICIFIED SEDS. MINOR Py	
		60-65 " " WITH SERICITIC FELSIC INTRUSIVE. MINOR WHITE QTZ VEIN WITH INTRUSIVE.	
		65-95 F.G. GREY SILICIFIED AND REDDISH HORNFELSED SEDS. MINOR Py	
		95-100 SEDS & SERICITIC FELSIC INTRUSIVE	
		100-110 " " WITH MINOR Py, TRACE Cpy	
		110-115 DOMINANTLY GREY SILICIFIED SEDS WITH MINOR QTZ VEIN CHIPS.	

ASSAYS

No.	FROM	TO	FEET	Cu	Au*	Ag	Mo	Zn	Pb	As
88322	0	5		1049	20	2.5	7	344	64	320
323	5	10		368	10	1.6	5	147	43	312
324	10	15		148	10	0.7	8	138	38	383
325	15	20		76	nd	0.6	20	53	39	352
3210	20	25		135	10	0.8	112	315	34	325
327	25	30		3222	20	6.9	163	82	27	484
328	30	35		4890	50	11.10	97	65	35	251
329	35	40		18181	210	40.9	32	139	37	189
330	40	45		1901	20	4.5	62	330	77	255
331	45	50		653	20	2.0	142	82	38	240
332	50	55		15102	40	4.2	2910	90	34	391
333	55	60		715	40	2.0	16	169	38	101
334	60	65		227	20	1.2	13	740	48	164
335	65	70		245	30	1.2	5	132	40	90
336	70	75		396		1.3	6	172	47	81
337	75	80		5169	10	1.6	7	408	80	96
338	80	85		1009	40	1.9	9	448	56	439
339	85	90		593	30	1.4	8	186	39	757
340	90	95		305	10	0.7	6	191	39	180
88341	95	100		520	10	1.4	5	180	55	204
342	100	105		369	nd	1.5	6	498	60	113
343	105	110		313	20	1.1	5	158	37	48
344	110	115		409	20	1.4	6	209	93	484

GRAPHIC LOG

ROTARY DRILL HOLE RECORD

Bethlehem Resources Corporation

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Level A.M. BRECCIA	Lat. 9504.47 N	Dip Tests		Hole No. GCR89-14
Location	Dep. 9565.85 E	Footage	Angle	Sheet No. 2 of 3
	Elev. 3656.22 FT			Date
Length / H.C.	Bearing 270°			Total Recov.
455 FT / V.C.	Slope -45°			Logged by KEN HICKS

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION
		120-130 MIX OF RUSTY WEA GREY TO TAN SILICIFIED SEDS, GREY-BROWN HORNFELSED SEDS & LT GREY FELSIC INTRUSIVE · MINOR Tφ ?	
		130-140 " " WITH MOD-HEAVY Tφ	
		140-185 DOMINANTLY WHITE-GREY CLAY/SERICITE ALTERED FELSIC INTRUSIVE . RUSTY WEA. MOD Tφ	
		185-195 " " WITH MINOR Py, TRACE CPy BUT NO Tφ	
		195-210 " " WITH MOD Tφ	
		210-270 " " WITH MOD Py	
		270-285 GREENISH CHLORITIC FELSIC INTRUSIVE & SILICEOUS SEDS · MINOR DISSEM MAGNETITE IN INTRUSIVE & OCCASIONAL C.G. MAGNETITE & Py MINOR CALCITE.	
		285-290 " " WITH TRACE CPy	
		290-295 " " WITH MINOR Py	
		300-335 " " WITH TRACE CPy	
		335-350 MIX OF TAN SILICIFIED SEDS AND CLAY/SERICITE ALTERED FELSIC INTRUSIVE. GOOD Tφ, MOD CPy	
		350-355 SILICIFIED SEDS & MAFIC INTRUSIVE(MAJOR IN) GOOD CPy	
		355-365 " " WITH EXCELLENT CPy	
		365-370 " " WITH GOOD CPy	
		370-375 " " WITH MINOR CPy	
		375-380 " " WITH GOOD CPy	

ASSAYS No.	FROM	TO	FEET	Cu	As	Ag	Mo	Zn	Pb	As	GRAPHIC LOG
88315	115	120		664	60	2.0	5	290	77	427	
346	120	125		155	20	1.0	6	388	56	134	
347	125	130		140	30	0.8	10	258	49	87	
348	130	135		280	nd	1.2	7	357	59	86	
349	135	140		282	nd	1.2	7	221	48	81	
350	140	145		77	nd	0.6	6	543	38	72	
351	145	150		160	nd	0.7	9	209	43	113	
352	150	155		193	nd	1.2	9	351	55	104	
88353	155	160		191	nd	1.2	5	86	41	70	
354	160	165		405	nd	1.4	12	417	46	265	
355	165	170		364	10	1.3	13	849	65	225	
356	170	175		288	20	1.2	9	550	64	111	
357	175	180		397	40	1.5	7	325	51	136	
358	180	185		752	80	2.5	6	414	52	146	
359	185	190		581	nd	1.9	9	707	91	174	
360	190	195		537	nd	2.1	9	787	93	136	
361	195	200		253	nd	0.8	4	365	61	70	
88362	200	205		447	nd	1.0	8	1156	120	176	
363	205	210		882	nd	2.7	9	176	57	187	
364	210	215		341	20	1.3	7	359	116	179	
365	215	220		326	nd	1.2	7	221	64	154	
366	220	225		483	nd	1.5	5	133	51	136	
367	225	230		370	nd	1.3	5	111	49	119	
368	230	235		369	60	1.2	5	112	50	107	
369	235	240		326	90	0.8	6	209	47	112	
370	240	245		218	30	0.9	5	151	48	78	
371	245	250		262	70	1.0	6	154	58	111	
372	250	255		459	40	1.2	7	103	48	108	
373	255	260		601	90	1.7	7	157	53	142	
374	260	265		434	60	1.2	6	99	48	111	
375	265	270		530	10	0.7	5	84	33	50	
376	270	275		376	50	0.7	5	123	46	74	
377	275	280		292	20	0.6	6	140	44	76	
378	280	285		433	110	0.6	5	124	47	92	
379	285	290		543	110	0.8	6	149	47	97	
88380	290	295		208	70	0.8	4	116	41	51	
88381	295	300		215	60	1.0	4	166	44	56	
382	300	305		252	50	0.8	6	118	46	73	
383	305	310		193	90	0.7	8	97	57	111	

ROTARY DRILL HOLE RECORD

Bethlehem Resources Corporation

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Level A.M. BRECCIA	Lat. 9504.47N	Dip Tests		Hole No. GCR09-19
Location	Dep. 9565.85 E	Footage	Angle	Sheet No. 3 OF 3
	Elev. 565.6.22 Ft			Date
Length H.C.	Bearing 270°			Total Recov.
455 FT V.C.	Slope -45°			Logged by KEN HICKS

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION
		380-385 " " WITH EXCELLENT CPY	
		385-395 " " WITH MINOR CPY	
		395-410 MIX OF GREY SILICIFIED SEDS & DARK, F.G. MAFIC INTRUSIVE. GOOD CPY	
		410-425 " " WITH MOD CPY	
		425-430 " " WITH GOOD-EXCELLENT CPY	
		430-440 " " WITH TRACE CPY	
		440-450 " " WITH MOD CPY	
		450-455 " " WITH TRACE CPY	
		455 EOH	

ASSAYS

No.	FROM	TO	FEET	Cu	Au	Ag	Mo	Zn	Pb	As	GRAPHIC LOG
~~88384~~	310	315		107	40	0.6	5	583	180	60	
385	315	320		102	70	0.5	7	438	153	81	
386	320	325		288	70	1.1	5	585	82	70	
387	325	330		173	10	0.6	7	172	51	91	
388	330	335		334	20	1.1	7	137	52	106	
389	335	340		719	50	2.5	40	986	40	469	
390	340	345		404	50	1.0	14	110	38	456	
391	345	350		861	30	2.4	8	88	34	246	
392	350	355		931	60	3.3	15	58	34	373	
393	355	360		8487	nd	23.8	17	318	44	553	
394	360	365		7566	nd	28.7	10	193	38	130	
395	365	370		6071	20	18.6	12	117	37	157	
396	370	375		2013	nd	6.8	10	74	36	223	
397	375	380		3653	30	10.0	11	160	30	228	
398	380	385		8552	10	22.1	12	97	29	203	
399	385	390		798	10	2.7	11	23	28	215	
~~88400~~	390	395		950	nd	2.7	7	146	34	135	
401	395	400		3339	nd	9.0	7	147	28	108	
402	400	405		3483	30	10.0	10	77	22	91	
403	405	410		1969	nd	7.1	8	701	94	71	
404	410	415		4256	nd	14.3	13	1702	254	98	
405	415	420		2657	30	8.7	13	401	56	128	
406	420	425		2074	60	5.2	9	74	35	377	
407	425	430		5020	20	17.1	13	95	38	205	
408	430	435		1709	30	4.6	12	115	43	150	
409	435	440		924	20	2.4	9	230	49	235	
410	440	445		1307	30	3.2	6	148	39	112	
411	445	450		3035	10	7.0	8	.90	93	246	
412	450	455		850	30	2.0	7	120	45	349	

ROTARY DRILL HOLE RECORD

Bethlehem Resources Corporation

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Level A.M. Breccia	Lat. 9302.74N	Dip Tests		Hole No. GCR89-15	
Location PM	Dep. 9671.84E	Footage	Angle	Sheet No. 1	
	Elev. 5595.57 FT			Date	
Length H.C.	Bearing 270°			Total Recov.	
375' V.C.	Slope -45°			Logged by KEN HICKS	

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION
0	180	SILICIFIED SED - FELSIC INTRUSIVE BRECCIA	
		MIX OF LT GRAY-GREEN F.G. FELSIC INTRUSIVE WITH F.G. MAFIC INTRUSIVE MATRIX MATERIAL + SEDS	
		0-10 " " WITH MINOR WHITISH CLAY ALT'N OF FELSIC INTRUSIVE. MODERATE Py & CPy	
		10-15 " " WITH HEAVY Py & MOD CPy	
		15-25 " " WITH HEAVY Py & CPy	
		25-30 " " WITH EXCELLENT CPy, GOOD Py & MODERATE ASPy	
		30-35 SILICIFIC FELSIC INTRUSIVE & SIL SEDS WITH MOD CPy	
		35-40 " " WITH EXCELLENT CPy	
		40-45 " " WITH GOOD Py, MODERATE CPy AND TRACE ASPy	
		45-55 DOMINANTLY LT GREY SILICIFIED SEDS WITH OBVIOUS BANDING/BEDDING WITH LESSER F.G. MAFIC CHIPS. GOOD CPy IN M.G-C.G. QUARTZ-FELDSPAR MICROPEGMATITE.	
		55-65 DOMINANTLY F.G. MAFIC INTRUSIVE, LESSER FELSIC INTRUSIVE & MINOR CLAY (FAULT) GOUGE GOOD CPy	
		65-70 " " WITH TRACE CPy	
		75-80 " " " " "	
		80-85 DOMINANTLY SILICIFIC FELSIC INTRUSIVE WITH MOD CPy AND TRACE ASPy	

ASSAYS												GRAPHIC LOG
No.	FROM	TO	FEET	Cu	Au	Ag	Mo	Zn	Pb	As		
88413	0	5		1921	70	7.5	33	922	135	1274		
414	5	10		457	nd	1.8	11	945	155	353		
415	10	15		938	nd	3.1	18	325	73	825		
416	15	20		1591	nd	5.1	27	187	46	299		
417	20	25		1798	80	5.1	27	299	43	409		
418	25	30		10290	190	33.3	17	394	55	5533		
419	30	35		1342	30	4.8	13	350	55	1596		
420	35	40		7024	280	18.6	70	828	187	220		
421	40	45		3666	110	13.0	20	796	144	229		
422	45	50		3133	50	11.7	17	777	118	335		
423	50	55		2185	nd	7.9	11	194	50	194		
424	55	60		2360	50	6.9	55	53	29	612		
425	60	65		4286	60	15.8	30	538	80	376		
88426	65	70		533	20	1.8	13	133	39	194		
427	70	75		327	nd	1.0	9	779	60	224		
428	75	80		893	nd	3.2	7	169	43	180		
429	80	85		1906	nd	6.6	18	184	40	158		
88430	85	90		1086	nd	3.7	10	188	45	191		

ROTARY DRILL HOLE RECORD

Bethlehem Resources Corporation

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Level A-M BRECCIA	Lat. 9302.74 N	Dip Tests		Hole No. GCR89-15
Location	Dep. 9671.84 E	Footage	Angle	Sheet No. 2
	Elev. 5995.57 FT.			Date
Length / H.C.	Bearing 270°			Total Recov.
~~465~~ 375 / V.C.	Slope -45°			Logged by KEN HICKS

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION
		85-90 MIX OF FELSIC INTRUSIVE & SILICIFIED SEDS WITH MOD CPY	
		90-95 " " WITH MINOR CLAY (FAULT) GOUGE AND TRACE CPY	
		135-145 DARK BROWN F.G. SILICIFIED (HORNFELSED) SEDS AND F.G. MAFIC INTRUSIVE CHIPS WHICH ARE STRONGLY MAGNETIC	
		145-150 " " WITH MINOR CPY & PSPY	
		150-180 LT GREY FELSIC INTRUSIVE & F.G.	

ASSAYS

No.	FROM	TO	FEET	Cu	Au	Ag	Mo	Zn	Pb	As	GRAPHIC LOG
88481	90	95		896	nd	3.2	8	510	59	750	
482	95	100		844	nd	2.7	7	161	37	964	
483	100	105		160	70	0.1	5	117	25	296	
484	105	110		799	70	0.8	5	190	49	188	
485	110	115		140	nd	0.4	6	49	25	507	
486	115	120		115	40	0.2	7	32	29	1245	
487	120	125		200	30	0.5	8	182	24	958	
488	125	130		56	nd	0.5	10	58	24	307	
489	130	135		186	nd	1.2	10	24	24	571	
490	135	140		1243	90	3.8	7	724	154	378	
491	140	145		207	nd	1.9	6	1823	405	122	
492	145	150		267	100	1.4	8	783	149	3566	
493	150	155		682	nd	2.2	8	82	39	373	
494	155	160		1538	40	4.4	6	31	35	795	
495	160	165		687	140	2.1	6	247	31	1864	
496	165	170		723	nd	2.2	6	52	27	384	
497	170	175		449	nd	1.5	6	31	33	274	
88498	175	180		370	30	1.2	6	119	33	370	

AMOND DRILL HOLE RECORD
ethlehem Resources Corporation

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Level AM BRECCIA	Lat. 9302.79N	Dip Tests		Hole No. GCR89-15
Location	Dep. 9671.84E	Footage	Angle	Sheet No. 3/6
	Elev. 5595.5FT.			
Length H.C.	Bearing 270°			Total Recov.
375 V.C.	Slope -45°			Logged by A.W

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION	CORE ASSAYS No.	FROM	TO	FEET	Cu ppm	Au ppb	Ag	Mo	Zn	RECOVERY Pb	As	GRAPHIC LOG
180	185	65% LIGHT GREY, V.F.G., CLAY (SERICITE) ALT COMMON 35% DARK GREY/BLACK F.G. MAFIC CHIPS, MASSIVE TEXTURE (HORNFELS)	Cp ~.5+%, tr Py	88449	180	185	5	579	10	1.6	6	158	45	157	
185	190	50% DARK GREY/BLACK (AS DESCRIBED ABOVE) 50% LIGHT GREY (AS DESCRIBED ABOVE) + MINOR BLUE/GREEN CLAY MINERAL	Cp ~.5%	88450	185	190		922	40	2.0	6	102	43	177	
190	195	50% DARK GREY 50% LIGHT GREY	Cp ~.5%	88451	190	195		1784	60	4.0	7	271	34	318	
195	200	AS ABOVE	~tr, Py+	88452	195	200		334	50	0.6	7	951	47	127	
200	205	60% DARK GREY, 40% LIGHT GREY	~tr, Py+	88453	200	205		279	70	0.6	7	702	45	121	
205	210	70% DARK GREY, 40% LIGHT GREY OCCATIONAL SMALL MAFIC BANDS (?) WITHIN LIGHT GREY SEDS	~tr, Py	88454	205	210		220	100	0.8	5	938	136	111	
210	215	LIGHT GREY, V.F.G. SIL SEDS, VERY WEAKLY BANDED IN PLACES 90% LIGHT GREY, 10% DARK GREY	Cp ~tr, Py~	88455	210	215		339	20	0.7	5	738	83	544	
215	220	90% LIGHT GREY, 10% DARK GREY OCCATIONAL TØ (?) PATCHES (VERY TINY) OCCATIONAL EUHEDRAL QTZ (VERY TINY)	Cp ~tr, Py	88456	215	220		473	20	1.1	5	496	70	775	
220	225	80% LIGHT GREY 20% DARK GREY MINOR BLUE/GREEN CLAY MINERAL	Cp ~tr, Py	88457	220	225									
225	230	75% LIGHT GREY 25% DARK GREY MINOR CLAY ALTERATION	Cp ~Ø	88458	225	230									
230	235	AS PER 220-225	Cp ~Ø	88459	230	235		300	hd	1.2	5	907	91	119	
235	240	95% LIGHT GREY, 5% DARK GREY	Cp ~tr	88460	235	240		440	40	0.6	5	428	39	273	

AMOND DRILL HOLE RECORD
ethlehem Resources Corporation

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Level AM BRECCIA	Lat. 9302.74N	Dip Tests		Hole No. GCR89-15
Location	Dep. 9671.84E	Footage	Angle	Sheet No. 4/6
	Elev. 5595.57FT			
Length H.C.	Bearing 270°			Total Recov.
~~455~~ 375 V.C.	Slope -45°			Logged by A. WESTON

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION	CORE ASSAYS No.	FROM	TO	FEET	Cu %	Au ppm	Ag ppm	Mo ppm	Zn ppm	RECOVERY Pl ~~RUN~~	RECOVERY D ~~FROM~~	GRAPHIC LOG
240	245	25% LIGHT GREY, 75% DARK GREY MINOR BLUE/GREEN CLAY MINERAL BRECCIATED (??) DARK GREY F.G. MAFICS WITHIN F.G. LIGHT GREY ROCK, + VERY TINY (<1mm) MAFIC RICH VEINLETS	Cp~tr	88461	240	245	5								
245	250	LIGHT GREY, GRAINY TEXTURE, VERY WEAK PORPHORITIC TEXTURE RECRYSTALIZED ?, SOME SERICITE ALTERATION	Cp~tr	88462	245	250	5	134	80	0.3	4	383	35	106	
250	255	20% AS ABOVE 40% LIGHT GREY, F.G. 40% DARK GREY, F.G.	Cp~tr-, tr Py	88463	250	255		209	30	0.8	9	1973	49	164	
255	260	60% MED DARK GREY, 40% LIGHT GREY/WHITE (CREAM), ± CLAY ALT.	Cp~.5%	88464	255	260		451	20	0.6	5	303	45	210	
260	265	DARK GREY SIL SEDIMENTS MINOR Py ALONG FRACTURES	Cp~tr-, tr Py	88465	260	265		297	10	0.3	3	214	22	144	
265	270	AS ABOVE TRACE Cp ALONG FRACTURE FACE	Cp~tr	88466	265	270		117	170	0.2	2	131	17	62	
270	275	DARK GREY/GREEN, SEVERAL RUSTY Lm CHIPS	Cp~tr	88467	270	275		544	170	1.2	5	348	45	319	
		NOTE: HOLE PRODUCING WATER AT THIS POINT – FAULT													
275	280	DARK GREY, WEAKLY BANDED IN PLACES	Cp~.5%, tr As	88468	275	280		823	60	1.6	7	334	45	546	
280	285	MOTTLED TEXTURE, MED LIGHT GREY, ABUNDANT DESSEMINATED Cp, WEAK GRAINY TEXTURE	Cp~3%, tr Zn	88469	280	285		9085	90	29.3	5	736	125	103	

AMOND DRILL HOLE RECORD
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Level AH BRECCIA	Lat. 9302.74 N	Dip Tests		Hole No. GCR89-15	
Location	Dep. 9677.84E	Footage	Angle	Sheet No. 5/6	
	Elev. 5595.57 FT				
Length H.C.	Bearing 270°			Total Recov.	
~~455~~ 375 V.C.	Slope -45°			Logged by A. WESTON	

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION	CORE ASSAYS NO.	FROM	TO	FEET	Cu %	Au *	Ag	Mo	Zn	RECOVERY Pb ~~ppm~~	RECOVERY As ~~ppm~~	GRAPHIC LOG
		285-290 MOTTLED TEXTURE, MED DARK GREY	Cp ~ 1.5%	88470	285	290	5	4946	70	15.7	5	1343	200	106	
		290-295 AS ABOVE, DARK GREY	Cp ~ 2%	88471	290	295		6967	130	6.8	6	379	84	90	
		295-300 " " Lm	Cp ~ 1%	88472	295	300									
		300-305 " " , MINOR GOUGE , Lm	Cp ~ .5%	88473	300	305		2445	70	5.6	11	457	101	102	
		305-310 " " Lm	Cp ~ .5% tr Zn	88474	305	310		1468	30	4.0	15	1525	358	102	
		310-315 " " Lm	Cp ~ .5% tr Py	88475	310	315		1605	30	3.4	20	350	110	107	
		315-320 MED DARK GREY, F.G. TO V.F.G. ~10% F.G. DARK MAFIC CHIPS OCCATIONALLY INCLUDING COARSE TØ (EUHEDRAL) CRYSTALS, ABUNDANT Lm	Cp ~ .5%	88476	315	320		3096	100	7.1	23	428	75	161	
		320-325 AS ABOVE	Cp ~ .5%	88477	320	325		1161	40	2.9	31	351	103	87	
325	330	INTRUSIVE ?, QTZ RICH INTRUSIVE, DESSEMINATED SULPHIDES COMMON (MAINLY Cp), OCCATIONAL PORPHYRITIC / PHOROPHOBEAST (MAINLY QTZ) TEXTURE IN SOME CHIPS	Cp ~ .5% tr Lm	88478	325	330									
330	375	SILICEOUS SEDIMENTS V.F.G., LIGHT GREY TO GREY / GREEN TO WHITISH GREY, ± SELECTIVELY PERVASIVE (VERY TINY ≤ 2 mm) MAFIC PHOROPHOBLAST (?) OCCATIONAL VERY FAINT FINELY BANDED SECTIONS, VERY HOMOGENEOUS SECTION													
		330-335? ~80% AS DESCRIBED ABOVE ~20% AS PER 325-330	Cp ~ .5%	88479	330	335		1287	30	1.2	5	213	40	502	

GRAPHIC LOG

IAMOND DRILL HOLE RECORD
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Level AM BRECCIA	Lat. 9302-74 N	Dip Tests		Hole No. GCR89-15	
Location	Dep. 9671.84 E	Footage	Angle	Sheet No. 6/6	
	Elev. 5595.57 FT			AUG 4 1989	
Length H.C.	Bearing 270			Total Recov.	
375 V.C.	Slope -45			Logged by A. WESTON	

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION	CORE ASSAYS No.	FROM	TO	FEET	Cu %	Au g/t	Ag	Mo	Zn	RECOVERY Pb ppm	RECOVERY As ppm	GRAPHIC LOG
		335-340? MED DARK GREY, MINOR GOUGE	Cp~tr+	88480	335	340	5	2716	3p	7.6	8	513	66	328	
		340-345)	Cp~tr+	88481	340	345	5	854	nd	2.2	10	165	32	111	
		345-350	Cp~tr-	88482	345	350	5	753	nd	1.1	6	298	34	336	
		350-355	tr	88483	350	355	5	606	nd	0.8	8	155	29	223	
		355-360	tr-	88484	355	360	5	861	nd	1.9	10	230	51	230	
		360-365	tr	88485	360	365	5	508	nd	0.6	5	207	45	187	
		365-370	tr-	88486	365	370	5	420	nd	0.3	5	155	25	71	
		370-375	tr	88487	370	375	5	345	10	0.3	6	152	32	75	
		375 END OF HOLE													

DIAMOND DRILL HOLE RECORD
Bethlehem Resources Corporation

Property: GIANT COPPER

Level SURFACE	Lat. ~9095 N	Dip Tests		Hole No. GCR89-16
Location ΔPI	Dep. ~9783 E	Footage	Angle	Sheet No. 1/5
A.M BRECCIA	Elev. 5565 FT			
Length 280 ft / H.C. / V.C.	Bearing 270°			Total Recov.
	Slope -45°			Logged by H. WESTON

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION	CORE ASSAYS No.	FROM	TO	FEET	Cu %	Au %	Ag	Mo	Zn	RECOVERY PLUN	RECOVERY SHORT	GRAPHIC LOG
		BRECCIA ?													
0	125	INTRUSIVE VERY SILICEOUS (RECRYSTALIZED SEDIMENTS ?), F.G. TO V.F.G. MEDIUM DARK GREY TO BROWNISH GREY / YELLOW (Lm STAINING) VERY TINY (<1mm) MAFIC PORPHYRITIC TEXTURE (TO ?) DISSEMINATED PY FAIRLY COMMON, OCCATIONAL ELONGHTED MAFIC PHENOCRYSTS (Hb) OCCATIONAL TRACE Cp Lm COMMON - DECREASING WITH DEPTH MINOR MnOX NEAR SURFACE (INTRUSNE = MATRIX OF BRECCIA ?)												
		FeOX 0 TO ≈ 105 ft													
		0-5 MINOR ASSORTED CHIPS (MINOR TILL + OVB ?)	Cp~Ø	88488	0	5	5	1275	40	1.6	26	107	26	589	
		5-10 AS ABOVE	Cp~tr	88489	5	10		1320	10	1.6	28	263	23	472	
		10-15 MINOR GOUGE, MINOR BRECCIATED CHIPS, PY	Cp~tr, Py	88490	10	15		905	nd	0.6	20	170	23	679	
		15-20 MINOR GOUGE, MINOR SIL SEDS	Cp~Ø	88491	15	20		766	40	0.2	23	94	22	157	
		20-25 MINOR MAFIC PHENOCRYSTS, MINOR SIL SEDIMENTS	Cp~Ø	88492	20	25		318	nd	0.2	17	147	21	35	
		25-30 LIGHT GREY TO GREY BROWN	Cp~tr-	88493	25	30		565	nd	1.5	19	98	39	86	
		30-35 AS ABOVE	Cp~tr-	88494	30	35		797	30	0.9	20	88	33	60	
		35-40 AS ABOVE SOME SIL SEDS (?) IN CONTACT WITH INTRUSIVE, + DISSEMINATED Cp, OCCATIONAL VERY WEAK BANDS	Cp~tr-	88495	35	40		492	20	0.4	21	68	30	31	
		40-45 MAFIC PHENOS BECOMING LESS COMMON, ABUNDANT Py	Cp~tr, Py	88496	40	45		891	40	0.5	52	246	32	56	

IAMOND DRILL HOLE RECORD
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Level		Lat.	Dip Tests		Hole No. GCR89-16
Location ΔPI		Dep.	Footage	Angle	Sheet No. 2/5
		Elev.			
Length	H.C.	Bearing			Total Recov.
	V.C.	Slope			Logged by AW

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION	CORE ASSAYS NO.	FROM	TO	FEET	Cu %	Au %	Ag	Mo	Zn	RECOVERY PHN	RECOVERY SHRT	GRAPHIC LOG
		45-50 —	Cp-tr-	88497	45	50	5	422	nd	0.5	26	120	33	38	
		50-55 V.F.G., DISSEMINATED Py COMMON, SOME cb	Cp-tr-	88498	50	55		540	30	0.4	21	158	29	85	
		55-60 SOME cb (MINOR)	Cp~Ø	88499	55	60		495	10	0.5	21	93	34	48	
		60-65 MED DARK GREY	Cp~tr	88500	60	65		817	50	0.6	18	263	30	37	
		65-70 —	Cp~Ø	88501	65	70		1370	70	1.1	26	110	28	46	
		70-75 Ln STAINING COMMON	Cp } Ø	88502	70	75		374	50	0.2	22	97	28	40	
		75-80 " " " MINOR GOUGE	Cp }	88503	75	80		273	30	0.6	15	107	45	73	
		80-85 —	Cp }	88504	80	85		561	70	0.8	22	896	54	60	
		85-90 —	Cp } Ø	88505	85	90		518	30	0.7	15	762	22	29	
		90-95 MINOR Ln STAINING	Cp }	88506	90	95		883	30	0.9	14	71	26	23	
		95-100 MAFIC PHENO'S ≤ 1/2 mm	Cp~Ø	88507	95	100		358	nd	0.5	12	61	22	21	
		100-105 MINOR Ln, MINOR CLAY ALT.	MINOR GOUGE Cp	88508	100	105		1191	60	0.5	17	97	23	70	
		105-110 MED DARK GREY, NO Ln	Cp }	88509	105	110		1286	70	0.4	28	91	22	275	
		110-115	Cp } Ø	88510	110	115		61	60	0.5	13	85	20	114	
		115-120	Cp }	88511	115	120		399	100	0.4	18	72	18	78	
		120-125 MAFICS < 5%. VERY SMALL < 1/2 mm	Cp~Ø	88512	120	125		482	70	0.6	35	88	21	251	
125	135	PORPHORY DARK GREY/BLACK PORPHORY, F.G., FX PHENOCRYSTS (≤ 5 mm), MINOR DISSEMINATED Py													
		125-130 75% PORPHORY, 25% INTRUSIVE	Cp } Ø	88513	125	130		514	110	0.4	20	129	30	274	
		130-135 MINOR INTRUSIVE, MINOR Py ALONG FRACTURES	Cp }	88514	130	135		303	20	0.3	17	88	19	68	

IAMOND DRILL HOLE RECORD
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Level		Lat.	Dip Tests		Hole No. GCR84-16
Location A P1		Dep.	Footage	Angle	Sheet No. 3/5
		Elev.			
Length	H.C.	Bearing			Total Recov..
	V.C.	Slope			Logged by (F.)

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION
135	EOH	INTRUSIVE BRECCIA ? AS PER 0-125	
		135-140 TRANSITION ZONE, PREDOMINATELY	Cp~Ø, Py
		140-145 INTRUSIVE + MINOR PORPHORY DARK GREY / BLACK + MINOR LIGHT GREY, Py (Ø) OFTEN COMPRISES SEVERAL %	
		145-150 LIGHT GREY, TRACE Lm, MAFIC PHENOCRYSTS (?) ≤ 1/2 mm	
		150-155 MED DARK GREY	
		155-160 —	
		160-165 LIGHT GREY, F.G., MAFICS < 5%	
		165-170 " " " " "	
		170-175 " " " " " SLIGHT GRAINY TEXTURE	
		175-180 MAFIC → INDISTINCT BOUNDARIES, VERY NARROW (< 1 mm) VEINLETS OF MAFIC MINERALS COMMON	
		180-185 DARK GREY / BLACK TO LIGHT GREY 50% INTRUSIVE 50% PORPHORY (Fd ?) AS PER 125-135, DARK GREY / BLACK, ABUNDANT Py (UP TO SEVERAL %)	
		185-190 AS PER 180-185 EXCEPT 80% INTRUSIVE, 20% PORPHORY	

CORE ASSAYS No.	FROM	TO	FEET	Cu %	Au %	Ag g	Mo	Zn	RECOVERY MIN	RECOVERY SULFIDE	GRAPHIC LOG
88515	135	140	5	158	20	0.3	411	68	18	34	
88516	140	145		172	10	0.2	385	61	18	23	
88517	145	150		155	10	0.3	311	53	19	42	
88518	150	155		534	80	0.4	425	75	43	437	
88519	155	160		198	10	0.3	372	58	15	41	
88520	160	165		287	10	0.3	299	190	17	36	
88521	165	170		217	10	0.2	766	41	15	23	
88522	170	175		211	10	0.2	313	58	17	34	
88523	175	180		269	nd	0.3	385	58	18	44	
88524	180	185		218	nd	0.3	548	105	21	26	
88525	185	190		203	nd	0.2	472	73	19	88	

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Level		Lat.	Dip Tests		Hole No. GCR89-16
Location ΔP1		Dep.	Footage	Angle	Sheet No. 4/5
		Elev.			
Length	H.C.	Bearing 270			Total Recov.
	V.C.	Slope			Logged by RW

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION	CORE ASSAYS No.	FROM	TO	FEET	Cu %	Au %	Ag	Mo	Zn	RECOVERY Pb	RECOVERY Sheet	GRAPHIC LOG
190	195	GREY/GREEN, MINOR DISSEMINATED Py + BLEBBY SECTIONS	Cp~Ø	88526	190	195	5	218	nd	0.3	10	66	21	30	
195	200	MED LIGHT GREY, MINOR Ln STAINING	Cp~Ø	88527	195	200		128	30	0.2	8	51	15	8	
200	205	Py ~ 1/2 %	Cp~Ø	88528	200	205		148	nd	0.3	10	80	19	10	
205	210	—	Cp~Ø	88529	205	210		127	20	0.2	11	49	18	117	
210	215	—	Cp~Ø	88530	210	215		212	120	0.3	9	75	21	236	
215	220	GRAINY TEXTURE IN SOME CHIPS MED DARK GREY, DISSEMINATED Py STILL COMMON (SEVERAL %) MINOR GOUGE	Cp~Ø	88531	215	220		223	20	0.3	7	128	21	276	
220	225	GREY/GREEN, GRAINY TEXTURE MINOR Ln STAINING	Cp~Ø	88532	220	225		159	nd	0.3	6	119	21	185	
225	230	—	Cp~Ø grey green (Cl?) mainly along fracture	88533	225	230		176	10	0.4	5	66	18	67	
230	235	—	Cp~Ø	88534	230	235		188	10	0.2	5	55	20	17	
235	240	50% LIGHT GREY, MOTTLED TEXTURE, VERY RARE MAFIC PHENOS, Cl? ALONG SING FRACTURES 50% AS BEFORE, SLIGHTLY MORE DARKER (MAFIC RICH)	Cp~Ø	88535	235	240		143	nd	0.3	6	75	18	52	
240	245	AS PER 235-240, Py COMMON	Cp~Ø	88536	240	245		181	130	0.2	32	133	22	>2000	
245	250	Py UP TO 20% IN SELECTING CHIPS MOTTLED TEXTURE, GRADUALLY BECOMING MORE 'MAFIC(?)', F.G.	Cp~tr	88537	245	250		2253	140	2.2	7	115	29	289	
250	255	—	Cp~Ø	88538	250	255		716	10	0.6	6	43	19	56	
255	260	—	Cp~Ø	88539	255	260		414	30	0.5	10	75	24	471	
260	265	~10% LIGHT GRAY-MAFIC POOR Py STILL WIDESPREAD	Cp~Ø	88540	260	265		303	10	0.4	16	162	24	295	

BECOMING MORE MAFIC

AMOND DRILL HOLE RECORD
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Level		Lat.	Dip Tests		Hole No. GCR89-16
Location AP1		Dep.	Footage	Angle	Sheet No. 5/5
		Elev.			
Length	H.C.	Bearing			Total Recov.
	V.C.	Slope			Logged by A.WESTON

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION	CORE ASSAYS No.	FROM	TO	FEET	Cu%	Au %	Ag	Mo	Zn	RECOVERY Run	RECOVERY Sheet	GRAPHIC LOG
		265-270 MED DARK GREEN, MOTTLED TEXTURE	Cp ~ 0	88541	265	270	5	127	nd	0.6	7	40	19	46	
		270-275 AS ABOVE		88542	270	275	5	178	nd	0.2	8	77	23	134	
		275-280 LIGHT GREY, DARK GREEN (CL?) ALONG FRACTURE SURFACES/VERY COMMON, SLIGHT GRAINY TEXTURE SILICEOUS SEDIMENTS ??		88543	275	280	5	241	40	0.3	9	71	20	458	
		280 END OF HOLE													

DIAMOND DRILL HOLE RECORD

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8.6 m (060) To ΔP24

Level SURFACE	Lat. ~9386 N	Dip Tests		Hole No. GCR89-17	
Location ~ΔP24	Dep. ~9876 E	Footage	Angle	Sheet No. 1/7	
AM BRECCIA	Elev. 5537.96 ft.			AUG 7-	
Length H.C.	Bearing —			Total Recov.	
500 ft V.C.	Slope -90			Logged by A. WESTON	

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION	CORE ASSAYS NO.	FROM	TO	FEET	Cu ppm	Au ppb	Ag	Mo	Zn	RECOVERY Pb %	RECOVERY As ppm	GRAPHIC LOG
0	20	OVB													
		(BRECCIA ?)													
20	110	SILICEOUS SEDIMENTS, F.G. TO V.F.G. BRECCIATED ? CONSIDERABLE VARIATION AMONG THE CHIPS, OCCATIONAL INTRUSIVE CHIPS, GENERALLY DARK GREY (VARIES FROM LIGHT WHITE/GREY TO RED/BROWN) MINOR MAFIC PHENOS (<5%, ≤ 1/2 mm) RARE V.F. BANDING, APHANITIC, DISSEM Py COMMON													
		20-25 APHANITIC SIL SEDIMENTS, MINOR GOUGE, ABUNDANT DISSEM Py Lm DIRTY GREY/BROWN, 10% LIGHT GREY	Py	88544	20	25	5	1481	140	1.9	9	1260	75	417	
		25-30 AS ABOVE, ABUNDANT GOUGE		88545	25	30		1608	10	4.1	8	190	33	354	
		30-35 MOTTLED, MINOR INTRUSIVE		88546	30	35		700	nd	2.5	9	323	42	471	
		35-40 —		88547	35	40		415	20	1.2	8	881	53	480	
		40-45 LIGHT GREY	tr Cp	88548	40	45		5546	20	13.6	8	173	29	787	
		45-50 LIGHT GREY, ± SERICITIC ALTERATION		88549	45	50		1488	30	3.9	14	219	41	794	
		50-55 ± VERY WEAK BANDING		88550	50	55		379	10	1.5	10	91	28	333	
		55-60 —		88551	55	60		421	20	0.3	8	269	31	452	
		60-65 MINOR INTRUSIVE, WEAK BANDING		88552	60	65		771	20	0.6	6	142	33	863	
		65-70 —		88553	65	70		321	30	0.3	7	151	31	678	
		70-75 TRACE FELDSPAR PORPHYRY, MAFIC RICH MATRIX	tr Cp	88554	70	75		444	30	0.7	7	102	36	275	
		→ 20-75 MIXED UNIT, CONSIDERABLE COLOUR VARIATION, VERY LITTLE FeOX AFTER 75 ft.													

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Level		Lat.	Dip Tests		Hole No. GCR89-17
Location AM BRECCIA		Dep.	Footage	Angle	Sheet No. 2/7
		Elev.			
Length 500 ft	H.C. V.C.	Bearing			Total Recov.
		Slope -90			Logged by AW

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION	CORE ASSAYS No.	FROM	TO	FEET	Cu ppm	Au ppb	Ag	Mo	Zn	RECOVERY Pb ppm	RECOVERY As ppm	GRAPHIC LOG
		75-80 HOMOGENEOUS, LIGHT TO MED DARK MOTTLED GREY	VERY LITTLE Cp	88555	75	80	5	882	60	5.1	10	470	176	390	
		80-85 AS ABOVE + OCCATIONAL QTZ RICH BLEBS (?) / MAFIC PHENOS (?) GRAINY TEXTURE, SOME RECRYSTALIZATION		88556	80	85		950	90	6.0	11	3187	305	92	
		85-90 PREDOMINATELY LIGHT GREY TRACE INT ? END OF MOTTLED SECTION		88557	85	90		527	20	1.7	12	204	74	113	
		90-95 MED DARK GREY, V.F.G. APHANITIC		88558	90	95		788	20	2.1	11	170	63	200	
		95-100 AS ABOVE		88559	95	100		1536	40	5.4	10	340	69	109	
		100-105 AS PER 75-85	tr Cp	88560	100	105		4689	80	18.1	12	300	156	319	
		105-110 AS ABOVE + ~15% DARK GREY	tr Cp	88561	105	110		6385	160	21.2	9	415	181	230	
110	115	MAFIC DYKE ? NOTE ANOMALOUS CR 722 ppm	tr SULPHIDES	88562	110	115		482	20	2.7	6	238	42	160	
		DARK GREY / BLACK, MAFIC RICH, F.G. HOMOGENEOUS													
115	340	SILICEOUS SEDIMENTS, GENERALLY AS DESCRIBED FOR 20-110 ft UNLESS OTHERWISE NOTED													
		115-120 MED DARK GREY, ABUNDANT Py * Cp F.G.	Cp ~ 1.5%, Py	88563	115	120		8489	170	16.5	10	206	64	328	
		120-125 AS ABOVE	Cp ~ 2% Py	88564	120	125		17428	310	36.4	7	821	95	196	
		125-130 " "	Cp ~ 1%, Py	88565	125	130		7010	110	23.3	11	1965	207	130	
		130-135 " " , + MINOR VUGGY QTZ	Cp ~ 1%, Py	88566	130	135		8920	180	38.0	10	793	256	99	
		135-140 OCCATIONAL Cp/Py INTERSTITIAL TO VUGGY QTZ	Cp ~ 1%, Py	88567	135	140		7331	100	28.4	10	407	99	86	

MAIN SULPHIDE ZONE 115-140

AMOND DRILL HOLE RECORD
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Level		Lat.	Dip Tests: Footage / Angle
Location APEX AM BRECCIA		Dep.	Hole No. GCR89-17
		Elev.	Sheet No. 3/7
Length 500 ft	H.C.	Bearing	
	V.C.	Slope -90°	Total Recov.
			Logged by AW

FOOTAGE FROM	TO	DESCRIPTIONS	MINERALIZATION	CORE ASSAYS No.	FROM	TO	FEET	Cu ppm	Au ppb	Ag ppm	Mo ppm	Zn ppm	RECOVERY Rqd %	Rqd %	GRAPHIC LOG
		140-145 LIGHT GREY	Cp ~ 5%	88568	140	145	5	6447	40	17.6	8	187	63	169	
		145-150 MINOR GOUGE, TRACE EUHEDRAL QTZ	Cp ~ tr	88569	145	150		2894	30	13.3	10	152	132	90	
		150-155 F.G TO V.F.G. MOTTLED TEXTURE VERY WEAKLY BANDED IN PLACES	Cp ~ tr	88570	150	155		2564	50	10.8	11	443	121	104	
		155-160 NUMEROUS Cp RICH CHIPS	Cp ~ 1.5% +	88571	155	160		4758	70	16.7	11	705	101	145	
		160-165 —	Cp ~ 1% -	88572	160	165		2997	170	10.7	10	920	158	69	
		165-170 MED DARK GREY	Cp ~ .5%	88573	165	170		917	40	2.8	7	358	41	32	
		170-175	Cp ~ .5%	88574	170	175		1742	60	4.2	10	199	44	174	
	Bx	175-180 CONSIDERABLE COLOUR VARIATION, SOME BRECCIATED CHIPS	Cp ~ tr	88575	175	180		1684	50	5.0	10	374	52	119	
	Bx	180-185 MINOR GOUGE	Cp ~ .5%	88576	180	185		1405	50	3.1	11	709	49	206	
	Bx	185-190 MOD GOUGE	Cp ~ .5% -	88577	185	190		1236	50	3.2	17	138	39	357	
	Bx	190-195 DARK GREY/BLACK (MAFIC F.G. INTRUSIVE?) LIGHT GREY SEDIMENTS	Cp ~ tr	88578	190	195		1525	30	3.9	9	239	39	140	
	Bx	195-200 OCCATIONAL SILICEOUS BANDS	Cp ~ tr-	88579	195	200		752	30	1.5	10	98	37	147	
	Bx	200-205 TRACE AsPy ASSOCIATED WITH MINOR INTRUSIVE, MED LIGHT GREY (BLEACHED) CONSIDERABLE COLOUR VARIATION	Cp ~ tr, AsPy	88580	200	205		975	10	1.6	11	123	39	383	
	Bx	205-210 MINOR INTRUSIVE	Cp ~ tr, PO, trAsPy	88581	205	210		1068	80	1.8	10	73	32	818	
	Bx	210-215 MINOR VUGGY QTZ	Cp ~ tr	88582	210	215		1075	30	1.5	11	121	42	430	
	Bx	215-220 SOME BRECCIATED CHIPS	Cp ~ tr-	88583	215	220		2074	30	6.9	15	216	44	227	
	Bx	220-225 —	Cp ~ tr-	88584	220	225		423	40	0.4	9	75	27	219	
	Bx	225-230 PREDOMINATELY DARK GREY/GREEN	Cp ~ tr-	88585	225	230		645	60	1.0	17	94	76	425	
	Bx	230-235 " " " "	Cp ~ tr-	88586	230	235		913	50	2.7	19	66	29	236	
	Bx	235-240 SOME VUGGY (EUHEDRAL QTZ)	Cp ~ tr	88587	235	240		539	60	1.1	14	50	25	367	
	Bx	240-245 SOME WELL BANDED SIL SEDIMENTS (QUARTZITE?) STILL CONSIDERABLE COLOUR VARIATION	Cp ~ tr	88588	240	245		2272	50	4.2	14	49	30	252	

MOND DRILL HOLE RECORD
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Level	Lat.	Dip Tests	Hole No. GCRB9-17
Location ΔP24 AM BRECCIA	Dep.	Footage / Angle	Sheet No. 4/7
	Elev.		
Length 500 ft / H.C. / V.C.	Bearing		Total Recov.
	Slope -90°		Logged by AW

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION	CORE ASSAYS No.	FROM	TO	FEET	Cu %	Au ppb	Ag ppm	Mo	Zn	RECOVERY Pb ppm	RECOVERY As ppm	GRAPHIC LOG
	Bx	245-250 OCCATIONAL WELL DEVELOPED BRECCIATED CHIPS, DARK GREY/BLACK MATRIX (OFTEN CONTAINING EUHEDRAL QTZ CRYSTALS) MAFIC RICH INTRUSIVE-(CLASTS ARE SIL SEDIMENTS) (~QUARTZITE ?) USUALLY A LIGHT GREY IN COLOUR	Cp~tr	88589	245	250	5	651	30	1.3	19	24	28	257	
	Bx	250-255 —	Cp~tr	88590	250	255		428	80	1.7	18	17	26	1200	
	Bx	255-260 MED LIGHT GREY, MINOR GOUGE	Cp~tr	88591	255	260		2527	60	4.9	15	50	31	1068	
	Bx	260-265 ABUNDANT Cp, BRECCIATED OCCATIONAL MAFIC/Cp BANDS WITHIN QTZ VEINLETS (≤ 5mm)	Cp~2%	88592	260	265		6836	120	15.3	14	139	36	532	
		265-270 DARK GREY, SIL SEDIMENTS, NON BRECCIATED (?)	Cp~.5%	88593	265	270		1097	50	3.3	8	82	30	121	
ZONE	Bx	270-275 ABUNDANT Cp, BRECCIATED	Cp~1.5%	88594	270	275		3439	90	9.9	12	231	51	147	
	Bx	275-280 LIGHT GREY (PREDOMINATELY SEDIMENT)	Cp~.5%	88595	275	280		1773	80	3.0	15	165	23	1514	
	Bx	280-285 ABUNDANT Cp	Cp~1.5%	88596	280	285		8166	290	16.0	10	141	40	271	
	Bx	285-290 MINOR F.G. MAFIC RICH INTRUSIVE	Cp~1%	88597	285	290		5641	210	13.7	9	277	54	183	
	Bx	290-295 MINOR INTRUSIVE	Cp~1%	88598	290	295		6259	310	11.8	10	136	33	183	
	Bx	295-300 WEAK BANDING, LIGHT GREY	Cp~tr+, Py	88599	295	300		434	70	0.9	15	111	22	219	
	Bx	300-305 ABUNDANT Cp	Cp~2%	88600	300	305		6960	130	22.6	9	730	95	164	
	Bx	305-310 " " LIGHT GREY/GREEN	Cp~1.5%	88601	305	310		4872	190	12.0	11	407	42	167	
	Bx	310-315 AS ABOVE MINOR GOUGE, (95% SEDS)	Cp~1.5%	88602	310	315		5631	310	15.8	15	245	30	138	
	Bx	315-320 CONSIDERABLE COLOUR VARIATION	Cp~tr, Py	88603	315	320		3203	80	5.3	12	133	46	260	
	Bx	320-325 LIGHT GREY, GOUGE (GREY/WHITE)	Cp~tr	88604	320	325		2090	60	4.0	12	153	47	366	

AMOND DRILL HOLE RECORD
ethlehem Resources Corporation
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Level		Lat.	Dip Tests		Hole No. GCR89-17
Location △P24 AM BRECCIA		Dep.	Footage	Angle	Sheet No. 5/7
		Elev.			
Length 500 ft	H.C.	Bearing			Total Recov.
	V.C.	Slope -90°			Logged by AW

FOOTAGE FROM	FOOTAGE TO		DESCRIPTIONS	MINERALIZATION	CORE ASSAYS NO.	FROM	TO	FEET	Cu ppm	Au ppb	Ag ppm	Mo	Zn	RECOVERY Pb DUN	RECOVERY As AVORT	GRAPHIC LOG
		Bx	325-330 GOUGE (GREY/WHITE) + MINOR BLUE/GREEN CLAY MINERAL, MINOR INTRUSIVE (RADIATING MAFIC MINERAL TØ?)	Cp~tr-	88605	325	330	5	1012	80	1.7	36	53	41	659	
		Bx	330-335 GOUGE (GREY/WHITE)	Cp~.5%	88606	330	335	5	1120	70	1.8	12	97	44	940	
		Bx	335-340 —	Cp~.5%	88607	335	340	5	2350	100	4.2	14	95	46	373	
340	350		MAFIC DYKE													
			VERY DARK GREY/GREEN, F.G. VERY FINELY DISSEMINATED SULFIDES + BLEBBY PATCHS,													
			340-345 SEVERAL (1 cm) EUHERAL CALCITE CRYSTALS CONTAING Cp	Cp~.5%	88608	340	345	5	3495	240	5.0	9	100	29	140	
			345-350 60% MAFIC DYKE 40% F.G. SIL SEDIMENTS	Cp~tr+	88609	345	350	5	1593	100	2.3	10	104	25	137	
350	355		SILICEOUS SEDIMENTS, GENERALLY AS DESCRIBED FOR 20-110 ft UNLESS OTHERWISE NOTED													
			350-355 DARK GREY PREDOMINATELY SIL SEDIMENTS, MINOR INTRUSIVE INCLUDING SOME F.G. MAFIC DYKE (AS PER 340-350)	Cp~tr+	88610	350	355	5	1114	90	3.3	8	129	36	>2000	

AMOND DRILL HOLE RECORD
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Level		Lat.	Dip Tests		Hole No. GCR89-17
Location A P24		Dep.	Footage	Angle	Sheet No. 6/7
FM BRECCIA		Elev.			
Length	H.C.	Bearing			Total Recov.
500 ±	V.C.	Slope -90°			Logged by AW

FOOTAGE FROM	FOOTAGE TO		DESCRIPTIONS	MINERALIZATION	CORE ASSAYS NO.	FROM	TO	FEET	Cu ppm	Au ppb	Ag	Mo	Zn	RECOVERY PERCENT	RECOVERY AMORT	GRAPHIC LOG
355	390		MAFIC INTRUSIVE (SAME AS 340-350) PREDOMINATELY MAFIC DYKE/INTRUSIVE (?) F.G. TO V.F.G., DISSEMINATED SULFIDES COMMON													
			355-360 DARK GREY, MINOR SIL SED	Cp~tr+	88611	355	360	5	461	30	0.9	7	106	21	157	
			360-365 " " " " "	tr	88612	360	365	5	587	40	1.2	9	128	30	96	
			365-370 " " " " "	tr+	88613	365	370	5	2143	100	5.5	9	213	42	956	
			370-375 " " " " "	tr	88614	370	375	5	682	50	2.3	10	118	37	161	
			375-380 F.G.	Cp~tr	88615	375	380	5	1942	80	5.3	13	121	39	185	
			380-385 MINOR SIL SEDIMENTS	Cp~tr	88616	380	385	5	2384	100	6.2	10	153	44	120	
			385-390 —	Cp~tr	88617	385	390	5	1013	40	3.5	9	182	58	245	
390			SILICEOUS SEDIMENTS (BRECCIA) GENERALLY AS DESCRIBED FOR 20-110 Ft + INTRUSIVE (MAFIC RICH) MATRIX ?													
		Bx	390-395 CONSIDERABLE COLOUR VARIATION	Cp~.5%	88618	390	395		1125	80	8.0	14	295	175	1650	
		Bx	395-400 —	Cp~1.5% Py	88619	395	400		1609	90	9.2	9	699	304	1118	
		Bx	400-405 MINOR BANDED SIL SEDIMENTS, TRACE Cp + SPHALERITE WITHIN QTZ CONSIDERABLE COLOUR VARIATION	Cp~.5%, Zn(tr)	88620	400	405		1727	110	8.8	13	503	203	955	
		Bx	405-410 —	Cp~.5%	88621	405	410		1475	80	3.7	14	237	52	934	
		Bx	410-415 —	Cp~1%	88622	410	415		1755	100	6.5	14	163	81	1517	
		Bx	415-420 DARK GREY	Cp~.5%	88623	415	420		1612	90	3.7	15	237	41	488	
		Bx	420-425 MINOR GREY/WHITE GOUGE	Cp~.5%	88624	420	425		2139	60	6.0	12	410	83	475	
		Bx	425-430 ~5% QTZ	Cp~tr	88625	425	430		1081	60	5.0	10	310	124	>2000	

AMOND DRILL HOLE RECORD
ethlehem Resources Corporation

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Level SURFACE		Lat.	Dip Tests		Hole No. GCR89-17
Location ~Δ P24 AM BRECCIA		Dep.	Footage	Angle	Sheet No. 7/7
		Elev.			
Length 500 ft	H.C. V.C.	Bearing			Total Recov.
		Slope -90			Logged by AW

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION	CORE ASSAYS NO.	FROM	TO	FEET	Cu ppm	Au ppb	Ag ppm	Mo	Zn	RECOVERY PRun	RECOVERY Amort	GRAPHIC LOG
Bx		430-435 DARK GREY, NUMEROUS Cp + AsPy CHIPS, MINOR INTRUSIVE	Cp~.5%, AsPy	88626	430	435	5	2326	110	11.2	11	243	149	>2000	
Bx		435-440 ABUNDANT Cp	Cp~1.5% Py	88627	435	440		3509	180	8.3	11	198	60	280	
Bx		440-445 CONSIDERABLE COLOUR VARIATION MINOR GOUGE	Cp~.5%	88628	440	445		1419	90	6.6	12	221	111	971	
Bx		445-450 DARK GREY, MINOR SEDS	Cp~1%	88629	445	450		4498	190	11.2	16	523	88	259	
Bx		450-455 —	Cp~.5%	88630	450	455		2192	220	13.9	12	201	234	>2000	
Bx		455-460 —	Cp~.5%	88631	455	460		1871	90	8.0	15	273	68	320	
Bx		460-465 MINOR GOUGE	.5%	88632	460	465		2814	300	8.3	16	596	110	379	
Bx		465-470 MINOR SEDS	.5%	88633	465	470		2093	70	6.9	13	888	69	305	
Bx		470-475	.5%	88634	470	475		1392	90	9.7	12	993	83	223	
Bx		475-480	tr	88635	475	480		1250	110	8.5	13	545	247	595	
Bx		480-485	.5%	88636	480	485		3951	120	10.7	13	250	55	536	
Bx		485-490	tr	88637	485	490		1987	70	4.8	13	181	52	313	
Bx ?		490-495	tr+	88638	490	495		2687	140	5.3	13	209	40	169	
Bx		495-500	.5%	88639	495	500		4360	150	7.0	25	268	51	324	
		END OF HOLE 500 ft.													

AMOND DRILL HOLE RECORD
ethlehem Resources Corporation

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Level SURFACE	Lat. 9203 N	Dip Tests		Hole No. GCR89-18	
Location ΔP9	Dep. 9909 E	Footage	Angle	Sheet No. 1/5	
AM BRECCIA	Elev. 5500 ft				
Length / H.C.	Bearing 180			Total Recov.	
245 ft / V.C.	Slope -45			Logged by A. WESTON	

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION	CORE ASSAYS No.	FROM	TO	FEET	Cu ppm	Au ppb	Ag ppm	Mo	Zn	RECOVERY MRUN	RECOVERY AVORT	GRAPHIC LOG
0	30	SILICEOUS SEDIMENTS F.G. TO V.F.G. GENERALLY MASSIVE TEXTURE TO FINELY BANDED, LIGHT GREY TO DARK GREY													
		0-5 VERY STRONG FeOx STAINING CONTAINS CHIPS FROM OUB/ROAD MAINLY SIL SEDIMENTS + MINOR INTRUSIVES, Mn OX	Cp ~ Ø	88640	0	5	5	2050	100	9.5	61	249	102	964	
		5-10 AS ABOVE, WEAK BANDING IN SOME CHIPS	Cp ~ Ø	88641	5	10	5	1250	60	4.2	21	145	95	273	
		10-15 AS ABOVE		88642	10	15	5	2244	100	5.9	31	299	84	506	
		15-20 —	Cp ~ tr	88643	15	20	5	4083	30	12.2	43	271	58	375	
		20-25 MINOR GOUGE	Cp - tr	88644	20	25	5	4180	40	10.2	53	602	38	331	
		→ 0-25 MAINLY OUB/SURFACE RUBBLE ?													
		25-30 ABRUPT DECREASE IN FeOx STAINING PREDOMINATELY NOW A F.G. LIGHT GREY SEDIMENT, STILL MOD FeOx	Cp ~ .5%	88645	25	30	5	4640	30	10.2	22	88	36	216	
30	40	MAFIC DYKE ?													
		30-35 ABRUPT CHANGE IN COLOUR, NOW A DARK GREY V.F.G. (MAFIC DYKE ?) ~5% SEDIMENTS	Cp ~ Ø	88646	30	35	5	813	30	3.9	11	311	30	97	

AMOND DRILL HOLE RECORD
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Level SURFACE	Lat.	Dip Tests		Hole No. GC-88-15	
Location ΔP9 AM BRECCIA	Dep.	Footage	Angle	Sheet No. 2/5	
	Elev.				
Length H.C. 245 ft V.C.	Bearing 80			Total Recov.	
	Slope -45			Logged by AW	

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION	CORE ASSAYS No.	FROM	TO	FEET	Cu ppm	Au ppb	Ag ppm	Mo	Zn	RECOVERY Pkwn	RECOVERY Assay	GRAPHIC LOG
		35-40 MIXTURE ~60% MAFIC DYKE 40% LIGHT GREY SEDIMENTS	Cp~Ø	88647	35	40	5	250	20	1.6	9	206	27	69	
40	80	SILICEOUS SEDIMENTS, V.F.G. TO F.G. AS PER 0-30, INCLUDES MINOR INTRUSIVE													
		40-45 80% SEDIMENTS, 20% MAFIC DYKE MODERATE FeOx	Cp~.5%	88648	40	45		2870	30	8.0	57	720	26	296	
		45-50 AS ABOVE	Cp~tr+, Py	88649	45	50		6041	40	14.5	56	420	33	236	
		50-55 LIGHT GREY MINOR FeOx	Cp~tr+,	88650	50	55		7056	30	12.2	76	184	33	772	
		55-60 SEVERAL CHIPS WITH Mo ALONG FRACTURE SURFACE	Cp~.5%, Mo	88651	55	60		10820	30	21.9	282	154	35	375	
		60-65 NUMEROUS Mo CHIPS	Cp~.5% Mo	88652	60	65		8353	90	15.7	>1000	448	37	>2000	
		65-70 TRACE Mo, MINOR FeOx	Cp~.5% Mo	88653	65	70		5070	30	12.7	121	476	320	721	
		70-75 ——	Cp~tr	88654	70	75		1477	30	3.5	123	275	65	270	
		75-80 ——	Cp~tr	88655	75	80		1290	20	2.5	31	125	31	51	
80	95	MAFIC DYKE/INTRUSIVE (VERY PINELY) F.G. AS PER 30-40 ± DISSEMINATED SULPHIDES, DARK GREY/BLACK													
		80-85 MIXTURE OF SEDIMENTS & MAFIC DYKE/INTRUSIVE	Cp~.5%	88656	80	85		1004	40	1.8	66	691	48	48	
		85-90 DARK GREY/BLACK	Cp~tr	88657	85	90		515	20	1.1	47	538	30	11	
		90-95 MINOR Ln ALONG FRACTURES	Cp~tr-	88658	90	95		266	30	1.6	16	209	40	18	

IAMOND DRILL HOLE RECORD
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Level SURFACE	Lat.	Dip Tests		Hole No. GCR89-18	
Location ΔP9 AM BRECCIA	Dep.	Footage	Angle	Sheet No. 3/5	
	Elev.				
Length 245 FT H.C. V.C.	Bearing 180			Total Recov.	
	Slope -45			Logged by A. WESTON	

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION	CORE ASSAYS NO.	FROM	TO	FEET	Cu %	Au %	Ag	Mo	Zn	RECOVERY RUN	RECOVERY SAMPLE	GRAPHIC LOG
95	120	SILICEOUS SEDIMENTS AS DESCRIBED 0-30 ft. UNLESS OTHERWISE NOTED, INCLUDES MINOR MAFIC DYKE/INTRUSIVE													
		95-100 MAINLY SEDS, MINOR MAFIC DYKE, MOD Lm	Cp~tr	88659	95	100	5	618	50	5.6	222	202	40	511	
		100-105 DIRTY GREY/BROWN	Cp~tr~	88660	100	105		559	40	1.1	16	256	28	38	
		105-110 〃	Cp~tr~	88661	105	110		355	50	0.8	7	170	31	40	
		110-115 〃	Cp~tr~	88662	110	115		729	40	1.1	13	181	41	78	
		115-120 〃	Cp~tr~, Py	88663	115	120		701	40	1.1	14	243	33	83	
120	125	MAFIC DYKE, AS DESCRIBED PER 30-40 ft, 30-40% SEDS	Cp~tr~	88664	120	125		568	40	0.8	11	178	25	86	
125	130	SILECEOUS SEDIMENTS	Cp~tr~	88665	125	130		319	20	0.8	8	143	24	47	
130	145	MAFIC DYKE													
		130-135 DARK GREY/BLACK, MOTTLED TEXTURE	Cp~tr~	88666	130	135		1057	40	1.8	6	101	20	73	
		135-140 AS ABOVE	Cp~tr~	88667	135	140		609	80	1.1	5	116	20	99	
Bx		140-145 MIXED UNIT, SEDS/MAFIC DYKE BRECCIATED ??	Cp~tr~, Py	88668	140	145		403	10	1.1	14	172	25	51	
145	155	SILECEOUS SEDIMENTS MED DARK TO LIGHT GREY													

IAMOND DRILL HOLE RECORD
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Level SURFACE	Lat.	Dip Tests		Hole No. GCR89-18	
Location AM BRECCIA	Dep.	Footage	Angle	Sheet No. 4/5	
	Elev.				
Length 245 FT H.C.	Bearing 180			Total Recov.	
V.C.	Slope -45			Logged by	

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION	CORE ASSAYS No.	FROM	TO	FEET	Cu%	Au g/t	Ag	Mo	Zn	RECOVERY Pb%	RECOVERY As%	GRAPHIC LOG
		145-150 WEAKLY BANDED IN PLACES VERY SILICEOUS	Cp~Ø	88669	145	150	5	276	20	1.5	12	197	23	110	
		150-155 AS ABOVE	Cp~tr-	88670	150	155		274	40	1.9	13	249	33	315	
155	235	INTRUSIVE (FELSIC) DIORITE ? GREY/GREEN, F.G. TO V.F.G., MINOR SEDIMENTS, MAFICS → Cl, LIKE QUARTZITE IN PLACES													
		155-160 ~5% QTZ	Cp~tr-	88671	155	160		174	20	1.0	7	215	32	113	
		160-165 MINOR SEDS	Cp~tr-	88672	160	165		328	30	1.6	11	223	42	110	
		165-170 " "	Cp~tr-	88673	165	170		370	30	1.3	12	203	32	152	
		170-175 —	Cp~tr-	88674	170	175		150	10	0.8	10	197	35	78	
		175-180 GREY TO DARK GREY/GREEN MINOR DESSEMINATED Py	Cp~tr-, Py	88675	175	180		181	10	1.1	10	122	27	76	
		180-185 TRACE AsPy WITHIN QTZ CHIP	Cp~Ø, Py, AsPy	88676	180	185		109	10	1.2	10	728	248	623	
		185-190 NUMEROUS " " " CHIPS	Cp~Ø, Py, AsPy	88677	185	190		97	30	1.2	10	649	120	779	
		VERY HOMOGENEOUS SECTION													
		190-195 DARK GREY MIXED INT/SIL SEDS	Cp~tr	88678	190	195		82	20	1.4	7	258	77	77	
		195-200 " " " " " "	Cp~tr, Py	88679	195	200		47	30	1.3	9	295	73	335	
		200-205 " " " " " "	Cp~tr	88680	200	205		43	40	1.1	6	407	166	205	
		205-210 AS ABOVE, DARK GREY/GREEN	Cp~Ø	88681	205	210		78	10	1.1	7	360	122	101	
		210-215 " " " " " "	Cp~Ø	88682	210	215		33	20	0.9	6	276	80	32	
		215-220 " " " " " "	Cp~Ø	88683	215	220		19	20	1.1	4	385	213	47	
		220-225 " " " " " "	Cp~Ø	88684	220	225		29	30	1.3	4	697	231	255	
		225-230 TRACE Cp IN QTZ	Cp~tr	88685	225	230		66	10	0.2	4	56	35	59	
		230-235 NUMEROUS GOUGE BALLS	Cp~tr	88686	230	235		184	420	1.1	10	254	101	>2000	
		— FAULT —													

IAMOND DRILL HOLE RECORD
Bethlehem Resources Corporation

roperty GIANT COPPER

Level SURFACE		Lot.	Dip Tests		Hole No. GCR89-18
Location AM BRECCIA		Dep.	Footage	Angle	Sheet No. 5/5
		Elev.			
Length 245 ft	H.C. V.C.	Bearing 180			Total Recov.
		Slope -45			Logged by A. WESTON

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION	CORE ASSAYS NO.	FROM	TO	FEET	Cu %	Au oz/t	Ag	Mo	Zn	RECOVERY Pb ppm	RECOVERY As ppm	GRAPHIC LOG
235	240	SILICEOUS SEDIMENTS / MAFIC INTRUSIVE													
		235-240 MIXED UNIT DARK GREY / BLACK V.F.G., MASSIVE SEDS + MINOR INTRUSIVE + MINOR QTZ + LIGHT GREY	Cp~tr, Py 1%	88687	235	240	5	85	70	0.8	4	181	52	>2000	
		240-245 WEAKLY BANDED, ABUNDANT Py	Cp~0, Py~2%	88688	240	245	5	145	10	1.3	5	602	295	1655	
		245 END OF HOLE													

IAMOND DRILL HOLE RECORD
Bethlehem Resources Corporation

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Level SURFACE	Lat. ~11470 N	Dip Tests		Hole No. GCR89-19
Location NO 1 ANOMALY	Dep. ~11869 E	Footage	Angle	Sheet No. 1/3
	Elev. 5025 ft.			
Length 215 ft H.C.	Bearing 190			Total Recov.
V.C.	Slope -45			Logged by A. WESTON

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION	CORE ASSAYS No.	FROM	TO	FEET	Cu %	Au %	Ag	Mo	Zn	RECOVERY Plyn	RECOVERY Sawn	GRAPHIC LOG
0		FELSIC INTRUSIVE CRYSTALLINE, QTZ RICH, F.G. TO M.F.G. DIRTY GREY/BROWN, NUMEROUS MAFIC LATHS/PHENOS/BLEBS (SOME ARE TØ) HOMOGENEOUS, ± MINOR SERICITE, ± GRAINY TEXTURE													
	0-5	OVB DARK GREY/BROWN STRONG FeO_x, M_nO_x COATINGS	Cp~Ø	88689	0	5	5	329	90	6:4	10	295	264	824	
	5-10	AS ABOVE	Cp~Ø	88690	5	10		198	20	0.2	6	241	79	91	
	10-15	M.F. GRAINED, GREY/GREEN COLOUR IN UNOXIDIZED SURFACES	Cp~Ø	88691	10	15		240	20	1.5	6	309	111	148	
	15-20	MINOR GOUGE	Cp~Ø	88692	15	20		467	20	5.3	11	1665	245	981	
	20-25	MINOR LIGHT GREY CHIPS	~Ø	88693	20	25		491	10	1.3	14	712	98	100	
	25-30	" " " "	~Ø	88694	25	30		666	nd	1.1	8	723	99	144	
		STILL STRONG FeO_x, M_nO_x COATINGS MINOR GOUGE													
	30-35	GRAINY TEXTURE, NUMEROUS MAFIC BLEBS/PHENOS (OCCATIONALY EUHEDRAL), MINOR SIL SEDIMENTS? SALT & PEPPER LIKE TEXTURE	Cp~Ø	88695	30	35		392	190	4.8	15	753	706	911	
	35-40	AS ABOVE	Cp~Ø	88696	35	40		873	70	10.6	10	876	344	1376	
	40-45	" " , MOD FeO_x, M_nO_x	Cp~Ø	88697	40	45		1459	10	1.8	7	746	179	386	
	45-50	DIRTY GREY/BROWN, MINOR LIGHT GREY	Cp~Ø	88698	45	50		1105	20	3.7	10	470	170	696	
	50-55		~Ø	88699	50	55		1073	20	3.6	9	758	322	616	
	55-60	— (45-65) HOMOGENEOUS SECTION	~Ø	88700	55	60		753	600	20.6	12	1065	2788	>2000	
	60-65	—	~Ø	88701	60	65		263	10	1.3	8	954	260	646	

IAMOND DRILL HOLE RECORD
Bethlehem Resources Corporation

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Level SURFACE	Lat.	Dip Tests		Hole No. GCR89-19	
Location NO 1 ANOMALY	Dep.	Footage	Angle	Sheet No. 2	
	Elev.				
Length H.C.	Bearing 190			Total Recov.	
215 ft V.C.	Slope -45			Logged by A.W.	

FOOTAGE FROM	TO	DESCRIPTIONS	MINERALIZATION	CORE ASSAYS No.	FROM	TO	FEET	Cu %	Au %	Ag	Mo	Zn	RECOVERY Pyr	Sulf	GRAPHIC LOG
65		SILICEOUS SEDIMENTS, INCLUDES NUMEROUS INTRUSIVE CHIPS, GENERALLY MASSIVE LIGHT GREY/GREEN TO GREY/WHITE MINOR MAFIC (TØ) PHENOS ± GRAINY TEXTURE, ± VERY FINELY DESSEMINATED Py													
		65-70 MINOR DULL SILVER GREY MINERAL + METALLIC CUBIC (GALENA) ABRUPT COLOUR CHANGE AT 65 ft NOW MOD TO WEAK FeOx / MnOx	Cp~Ø, Galena	88702	65	70	5	229	nd	4.3	6	1182	1023	709	
A.		70-75 LIGHT GREY, PATCHY TØ MIXED UNIT SIL SEDIMENTS/INTRUSIVE	Cp~tr, Mo?, Py	88703	70	75		2165	170	23.4	11	805	805	>2000	
A.		Tr DULL SILVER-GREY (SOFT) MINERAL (Mo?)-													
A		75-80 LIGHT GREY/YELLOW	Cp~Ø	88704	75	80		680	40	9.1	12	1018	419	1144	
W		→65-80 TRANSITION ZONE (INT→SEDS)													
T		80-85 MINOR BANDED CHIPS	Cp~Ø	88705	80	85		919	20	8.6	13	1137	518	552	
I		85-90 MINOR DESSEMINATED Cp MINOR INTRUSIVE	Cp~tr	88706	85	90		1302	140	13.4	13	1299	584	1729	
U		90-95 LIGHT GREY, HOMOGENEOUS	Cp~tr+	88707	90	95		3312	570	36.2	10	933	444	>2000	
W		95-100 NUMEROUS Cp CHIPS + MINOR GALENA	Cp~1%, Py, Ga~tr	88708	95	100		2367	700	>50.0	15	572	13487	>2000	
V															
M		100-105 LIGHT GREY MOTTLED (F.G.) AS BEFORE + EXTREMELY FINE GRAINED Py MINOR GOUGE	Cp~tr, Py	88709	100	105		1368	370	18.8	11	749	1875	>2000	
		105-110 MINOR GOUGE	Cp~tr, Ga~tr	88710	105	110		477	30	6.9	11	811	688	1350	
		110-115 (MINOR MAFIC INTRUSIVE + Py) MED DARK GREY TO GREY/GREEN	Cp~tr	88711	110	115		301	40	3.2	7	680	348	994	

IAMOND DRILL HOLE RECORD
Bethlehem Resources Corporation

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Level SURFACE	Lat.	Dip Tests		Hole No. GCR89-19	
Location NO 1 ANOMALY	Dep.	Footage	Angle	Sheet No. 3/3	
	Elev.				
Length H.C.	Bearing 190			Total Recov.	
215 FT V.C.	Slope -45			Logged by A.W.	

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION	CORE ASSAYS No.	FROM	TO	FEET	Cu %	Au %	Ag	Mo	Zn	RECOVERY Pulp	RECOVERY Short	GRAPHIC LOG
		115-120 CI COMMON ALONG FRACTURES	Cp~Ø, Py	88712	115	120	5	392	30	3.2	13	518	376	664	
		120-125	Cp~Ø, Py	88713	120	125		317	20	1.9	12	297	230	331	
		125-130 " , MINOR QTZ	Cp~Ø	88714	125	130		504	20	4.7	17	667	318	839	
		130-135	~Ø	88715	130	135		420	70	3.2	16	565	394	1092	
		135-140 MIXED UNIT, MINOR INTRUSIVE	~Ø, Py	88716	135	140		570	250	5.9	15	1629	654	>2000	
		140-145 " " " "	~Ø	88717	140	145		280	620	8.9	13	3588	2652	>2000	
		145-150 " " " "	~Ø, Py	88718	145	150		424	550	12.4	16	3094	3815	>2000	
		50% LIGHT GREY	tr AsPy ??												
		50% RUSTY STAINED													
		150-155 NUMEROUS BRECCIATED CHIPS, AND F2/Qtz PORPHYRITIC CHIPS WITH MAFIC RICH MATRIX	Cp~Ø	88719	150	155		718	110	6.4	9	1104	1129	1255	
		155-160 MED DARK GREY, MINOR FeOx	Cp~Ø	88720	155	160		493	50	2.2	7	1133	416	789	
		160-165 INCLUDES SOME INTRUSIVE		88721	160	165		400	nd	1.6	7	706	259	421	
		165-170 AS ABOVE	Ø	88722	165	170		578	30	0.8	8	862	166	493	
		170-175 " "	tr-	88723	170	175		247	10	1.9	11	510	273	472	
		175-180 MED DARK GREY, NO INTRUSIVE V.F.G. ± VERY FINELY DISSEMINATED SULPHIDES, MINOR FeOx, HOMOGENEOUS	Cp~Ø, Py	88724	175	180		191	50	8.9	41	788	591	631	
		180-185 AS ABOVE	Cp~tr-, Py	88725	180	185		202	nd	4.1	11	673	494	275	
		185-190 " "	Cp~tr-, Py	88726	185	190		220	20	1.6	12	151	205	178	
		190-195 " "	Cp~Ø, Py	88727	190	195		244	nd	1.7	11	249	195	171	
		195-200 " " , WEAK BANDING	Cp~Ø, Py	88728	195	200		203	nd	1.3	6	468	124	104	
		200-205 AS ABOVE + MINOR INTRUSIVE	Cp~Ø, Py	88729	200	205		142	nd	1.1	8	379	150	68	
		205-210 " " " "	~Ø, Py	88730	205	210		147	nd	1.1	17	167	67	38	
		210-215 MINOR EXTREMELY (<.05mm) FINELY BANDED CHIPS, + Py	Cp~tr, Py	88731	210	215		177	nd	1.1	9	115	88	69	
		215 END OF HOLE													

IAMOND DRILL HOLE RECORD
Bethlehem Resources Corporation

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Level SURFACE	Lat. ~11428 N	Dip Tests		Hole No. GCR89-20
Location NO 1 ANOMALY	Dep. ~11727 E	Footage	Angle	Sheet No. 1/3
"I" ROAD	Elev. 5080 ft.			AUG 1989
Length H.C.	Bearing 190			Total Recov.
200 ft V.C.	Slope -45			Logged by A. WESTON

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION	CORE ASSAYS No.	FROM	TO	FEET	Cu %	Au %	Ag	Mo	Zn	RECOVERY Pb	RECOVERY Ag/RT	GRAPHIC LOG
0	30	OVB SURFACE RUBBLE CONSIDERABLE COLOUR VARIATION AND ROCK TYPE VARIATION													
		0-5 OVB ASSORTED ROCK CHIPS MAINLY INTRUSIVE	Cp~Ø	88732	0	5	5	877	240	11.8	8	719	2068	1474	
		5-10 AS ABOVE		88733	5	10		330	30	4.3	6	412	384	313	
		10-15 " " (SOMETIMES BANDED)		88734	10	15		163	nd	1.9	7	598	171	164	
		15-20 " " ABUNDANT SED CHIPS OCCATIONAL "MYLONITE LIKE" TEXTURE (ELONGATED MAFICS) IN INTRUSIVE?		88735	15	20		227	nd	2.2	8	376	236	230	
		20-25 "		88736	20	25		208	nd	2.2	7	418	215	216	
		25-30 "		88737	25	30		267	10	2.7	5	812	342	289	
30	105	GRANITIC (?) INTRUSIVE LIGHT GREY / WHITE, MEDIUM-FINE TO FINE GRAINED, GRANITIC TEXTURE HOMOGENEOUS UNIT, MAFIC BOUNDARIES OFTEN INDISTINCT, ± GRAINY TEXTURE, SULPHIDES RARE													
		30-35 FAIRLY HOMOGENEOUS SAMPLE, ABRUPT CHANGE FROM 25-30, MINOR GOUGE MINOR Fe_2O_x		88738	30	35		54	20	0.7	3	212	121	57	
		35-40 MINOR GOUGE	Cp~Ø	88739	35	40		44	nd	0.8	1	228	155	64	
		40-45 VERY HOMOGENEOUS SECTION		88740	40	45		70	nd	2.3	3	873	450	134	
		45-50		88741	45	50		28	nd	0.1	2	137	64	39	
		50-55		88742	50	55		42	nd	0.4	3	272	136	64	
		55-60		88743	55	60		55	nd	2.3	9	497	889	228	
		60-65 GREY/BROWN, SLIGHTLY MORE Fe_2O_x		88744	60	65		75	20	1.1	5	814	240	201	
		65-70 " " " " "		88745	65	70		51	40	3.4	6	589	281	345	

IAMOND DRILL HOLE RECORD
Bethlehem Resources Corporation

roperty GIANT COPPER

Level SURFACE	Lat.	Dip Tests		Hole No. GCR 89-20	
Location NO 1 ADIT/ALY "I" ROAD	Dep.	Footage	Angle	Sheet No. 2/3	
	Elev.				
Length 200 ft H.C.	Bearing 190			Total Recov.	
V.C.	Slope -45			Logged by	

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION	CORE ASSAYS No.	FROM	TO	FEET	Cu ppm	Au ppb	As ppm	Mo	Zn	RECOVERY RUN	RECOVERY SHORT	GRAPHIC LOG
70	75	GREY/BROWN MOD Fe Ox	Cp~Ø	88746	70	75	5	62	nd	0.8	12	642	239	413	
75	80	" " " "		88747	75	80		97	nd	0.5	14	404	80	119	
80	85	" " " "		88748	80	85		246	48	1.7	36	835	155	296	
85	90	" " " "		88749	85	90		216	nd	1.4	12	658	274	350	
90	95	" " " "		88750	90	95		346	nd	2.2	13	944	284	328	
95	100	AS ABOVE ~20% LIGHT GREY Lm POOR CHIPS, Tr Py	Py	88751	95	100		647	nd	5.4	11	361	149	803	
100	105	AS ABOVE ~30% LIGHT GREY		88752	100	105		2691	40	14.7	12	424	171	1286	
		MIXED UNIT "QUART EYE PORPHORY"													
105	EOH	SILICEOUS SEDIMENTS/INTRUSIVE LIGHT GREY TO PATCHY GREY/YELLOW SILICEOUS, OCCATIONAL MAFIC PHENOS OR BLEBS ± FELDSPAR(?) PHENOS, F.G. ± SERICITE, ± NUMEROUS/PATCHY TØ BLEBS, ± QTZ EYES													
105	110	MINOR Fe Ox ALONG FRACTURES	Cp~Ø Py	88753	105	110		1696	nd	9.7	16	636	250	564	
110	115	" " " " MINOR SULFIDES (Py)	Cp~Ø Py	88754	110	115		1517	30	8.3	8	608	191	1614	
115	120	INTRUSIVE + Cp OCCATIONAL Cp	Cp~tr+, Py	88755	115	120		3282	nd	39.2	19	794	238	538	
120	125	ABUNDANT Cp CHIPS (TARNISHED BLUE COATING) OCCATIONAL VERY SMALL EUHEDRAL QTZ, + EXTREMELY F.G. PØ ?	Cp~8%, Py tr Galena ? PØ tr AsPy ? NOTE TUNGSTEN >1000 ppm	88756	120	125		>20000	1100	>50	30	1986	401	>2000	
125	130	AS ABOVE MINOR Cp TØ BLEBS COMMON ~5% (≤1cm AVERAGE ≤ 1mm) + SECONDARY BIOTITE ? (MINOR)	Cp~.5%, Py tr AsPy ? tr Sphalerite ?	88757	125	130		2459	90	34.1	13	1854	2593	1556	

DIAMOND DRILL HOLE RECORD
Bethlehem Resources Corporation

Property GIANT COPPER

Level		Lat.	Dip Tests		Hole No. GCR89-20
Location NO 1 ANOMALY		Dep.	Footage	Angle	Sheet No. 3/3
"I" ROAD		Elev.			
Length	H.C.	Bearing 190			Total Recov.
200 ft	V.C.	Slope -45			Logged by AW

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION	CORE ASSAYS No.	FROM	TO	FEET	Cu %	Au %	Ag	Mo	Zn	RECOVERY AW	RECOVERY SAMPLE	GRAPHIC LOG
130	135	AS BEFORE MINOR SECTIONS BANDED(?) +SECONDARY BIOTITE ~10% DARK GREY MASSIVE CHIPS	Cp~.5% Py tr Sphalerite	88758	130	135	5	410	30	10.8	23	2303	2430	936	
135	140	—	Cp~.5% Py	88759	135	140		398	40	11.8	21	2440	714	1029	
140	145	MINOR EUHERAL QTZ CRYSTALS	Cp~tr, Py	88760	140	145		197	120	48.3	14	1951	1249	1299	
145	150	MINOR INTRUSIVE	Cp~tr Py	88761	145	150		59	20	2.8	13	1662	629	642	
150	155	VERY	Cp~Ø Py	88762	150	155		73	70	3.3	13	4369	1018	1409	
155	160	HOMOGENEOUS	Cp~Ø Py	88763	155	160		243	70	8.3	22	13116	1473	1249	
160	165	LIGHT GREY ±FINELY DESSEM Py	Cp~tr Py	88764	160	165		3276	190	40.8	13	11500	1557	1259	
165	170	OCCATIONAL Fd? PORPHORITIC SECTIONS, +10% V.F.G. DARK GREY MASSIVE CHIPS (SOMETIMES BANDED) ±QTZ EYE	Cp~tr	88765	165	170		2204	20	32.4	12	1523	1843	421	
170	175	AS ABOVE	Cp~tr	88766	170	175		1260	30	18.2	14	1240	967	661	
175	180	AS PER 165-170 20% DARK GREY	Cp~tr	88767	175	180		953	40	10.1	13	1047	498	1585	
180	185	AS ABOVE	Cp~tr+	88768	180	185		1228	50	15.5	21	1147	428	399	
185	190	" "	Cp~tr Py	88769	185	190		1384	80	16.3	13	618	492	1677	
190	195	" "	Cp~tr	88770	190	195		1300	160	15.8	12	444	686	>2000	
195	200	" "	Cp~tr	88771	195	200		1319	40	13.2	18	284	377	937	
200		END OF HOLE													

APPENDIX III

ANALYTICAL METHODS

VGC

VANGEOCHEM LAB LIMITED

MAIN OFFICE AND LABORATORY
1988 Triumph Street
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BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

Oct 26th, 1988

TO: Ken Hicks
BETHLEHEM RESOURCES LTD.
860 - 808 West Hastings St.
Vancouver, B.C. V6C 2X4

FROM: Vangeochem Lab Limited
1988 Triumph Street
Vancouver, British Columbia
V5L 1K5

SUBJECT: Analytical procedure used to determine hot acid soluble for 28 element scan by Inductively Coupled Plasma Spectrophotometry in geochemical silt and soil samples.

1. Method of Sample Preparation

(a) Geochemical soil, silt or rock samples were received at the laboratory in high wet-strength, 4" x 6", Kraft paper bags. Rock samples would be received in poly ore bags.

(b) Dried soil and silt samples were sifted by hand using an 8" diameter, 80-mesh, stainless steel sieve. The plus 80-mesh fraction was rejected. The minus 80-mesh fraction was transferred into a new bag for subsequent analyses.

(c) Dried rock samples were crushed using a jaw crusher and pulverized to 100-mesh or finer by using a disc mill. The pulverized samples were then put in a new bag for subsequent analyses.

2. Method of Digestion

(a) 0.50 gram portions of the minus 80-mesh samples were used. Samples were weighed out using an electronic balance.

(b) Samples were digested with a 5 ml solution of HCL:HNO3:H2O in the ratio of 3:1:2 in a 95 degree Celsius water bath for 90 minutes.

(c) The digested samples are then removed from the bath and bulked up to 10 ml total volume with dimineralized water and thoroughly mixed.

VGC

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(604) 251-5656

3. Method of Analyses

The ICP analyses elements were determined by using a Jarrel-Ash ICAP model 9000 directly reading the spectrophotometric emissions. All major matrix and trace elements are interelement corrected. All data are subsequently stored onto disk.

4. Analysts

The analyses were supervised or determined by either Mr. Eddie Tang, and, the laboratory staff.

Eddie Tang
VANGEOCHEM LAB LIMITED

VGC

VANGEOCHEM LAB LIMITED

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BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

Oct 26th, 1988

TO: Ken Hicks
BETHLEHEM RESOURCES LTD.
860 - 808 West Hastings St.
Vancouver, B.C. V6C 2X4

FROM: Vangeochem Lab Limited
1988 Triumph Street
Vancouver, British Columbia
V5L 1K5

SUBJECT: Analytical procedure used to determine gold by fire assay method and detect by atomic absorption spectrophotometry in geological samples.

1. Method of Sample Preparation

(a) Geochemical soil, silt or rock samples were received at the laboratory in high wet-strength, 4" x 6", Kraft paper bags. Rock samples would be received in poly ore bags.

(b) Dried soil and silt samples were sifted by hand using an 8" diameter, 80-mesh, stainless steel sieve. The plus 80-mesh fraction was rejected. The minus 80-mesh fraction was transferred into a new bag for subsequent analyses.

(c) Dried rock samples were crushed using a jaw crusher and pulverized to 100-mesh or finer by using a disc mill. The pulverized samples were then put in a new bag for subsequent analyses.

2. Method of Extraction

(a) 20.0 to 30.0 grams of the pulp samples were used. Samples were weighed out using a top-loading balance and deposited into individual fusion pots.

(b) A flux of litharge, soda ash, silica, borax, and, either flour or potassium nitrite is added. The samples are then fused at 1900 degrees Farenhiet to form a lead "button".

(c) The gold is extracted by cupellation and parted with diluted nitric acid.

VGC

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VANCOUVER, B.C. V5L 1L6
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(d) The gold bead is retained for subsequent measurement.

3. Method of Detection

(a) The gold bead is dissolved by boiling with aqua regia solution, then diluted with deionized water to 10 mls volume.

(b) The detection of gold was performed with a Techtron model AA5 Atomic Absorption Spectrophotometer with a gold hollow cathode lamp. The results were read out on a strip chart recorder. The gold values, in parts per billion, were calculated by comparing them with a set of known gold standards.

4. Analysts

The analyses were supervised or determined by Mr. Conway Chun or Mr. David Chiu and his laboratory staff.

David Chiu
VANGEOCHEM LAB LIMITED

VGC

VANGEOCHEM LAB LIMITED

MAIN OFFICE AND LABORATORY
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(604) 251-5656

Oct 26th, 1988

TO: Ken Hicks
BETHLEHEM RESOURCES LTD.
860 - 808 West Hastings St.
Vancouver, B.C. V6C 2X4

FROM: Vangeochem Lab Limited
1988 Triumph Street
Vancouver, British Columbia
V5L 1K5

SUBJECT: Analytical procedure used to determine gold and silver by fire assay method and detect by gravimetry in geological samples.

1. Method of Sample Preparation

(a) Geochemical soil, silt or rock samples were received at the laboratory in high wet-strength, 4" x 6", Kraft paper bags. Rock samples would be received in poly ore bags.

(b) Dried soil and silt samples were sifted by hand using an 8" diameter, 80-mesh, stainless steel sieve. The plus 80-mesh fraction was rejected. The minus 80-mesh fraction was transferred into a new bag for subsequent analyses.

(c) Dried rock samples were crushed using a jaw crusher and pulverized to 100-mesh or finer by using a disc mill. The pulverized samples were then put in a new bag for subsequent analyses.

2. Method of Extraction

(a) 1/4 to 1 assay tonne of the pulp samples were used. Samples were weighed out using a top-loading balance and deposited into individual fusion pots.

(b) A flux of litharge, soda ash, silica, borax, and, either flour or potassium nitrite is added. The samples are thoroughly mixed, then fused at 1900 degrees Farenhiet to form a lead "button".

(c) The gold and silver is extracted by cupellation and weighed as a dore bead. The gold is then parted with

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1988 Triumph Street
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(604)251-5656 FAX:254-5717

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

diluted nitric acid.

(d) The gold bead is retained for subsequent measurement.

3. Method of Detection

The gold bead is weighed using a Sartorius micro-balance. The weight lost from the original bead is the silver content. Both the silver and the gold are reported in Ounces per short tonne.

4. Analysts

The analyses were supervised or determined by Mr. Conway Chun or Mr. David Chiu and his laboratory staff.

David Chiu
VANGEOCHEM LAB LIMITED

APPENDIX IV

ASSAY CERTIFICATES

VGC VANGEOCHEM LAB LIMITED

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RENO, NEVADA, U.S.A.

REPORT NUMBER: 890248 AA JOB NUMBER: 890248 BETHLEHEM RESOURCES

SAMPLE #	Cu %	Pb %	Zn %	Ag oz/st	Au oz/st
13788	.64	8.92	.66	11.20	.005
13789	2.71	19.40	6.13	41.60	.043
13790	1.90	10.30	8.25	27.90	.030
13791	.62	4.25	4.33	19.60	.017
13792	.80	1.50	1.96	7.43	.006
13793	1.01	.92	5.77	4.95	.020
13794	.80	.51	1.97	3.28	.012
13795	.32	.27	.51	1.47	<.005
13796	1.23	.49	.67	4.58	.006
13797	.61	.15	.19	2.18	.009
13798	.22	.02	.07	.66	.006
13799	.25	.05	.08	.73	.010
DETECTION LIMIT	.01	.01	.01	.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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REPORT NUMBER: 890242 GA JOB NUMBER: 890242 BETHLEHEM RESOURCES

SAMPLE #	Cu	Pb	Zn	Ag	Au
	ppm	ppm	ppm	ppm	ppb
13801	38	28	155	.6	nd
13802	30	59	189	1.1	10
13803	31	36	160	.6	50
13804	30	41	186	.6	40
13805	26	66	151	.3	20
13806	38	77	258	.9	20
13807	73	56	365	.8	20
13808	34	47	228	.5	20
13809	38	99	315	.9	20
13810	45	28	119	.3	30
13811	36	114	238	.6	20
13812	58	21	103	.3	10
13813	33	48	145	.6	40
13814	30	97	252	1.3	10
13815	41	48	164	.5	40
13816	86	25	93	.6	10
13817	57	33	109	.6	20
13818	39	58	191	.8	10
13819	48	46	186	.9	10
13820	66	64	192	1.0	10
13821	98	23	176	.4	30
13822	54	49	219	.6	40
13823	29	50	191	.8	80
13824	66	77	199	.8	40
13825	53	60	213	.5	30
13826	95	85	223	.9	30
13827	92	90	294	1.2	40
13828	61	66	211	.8	40
13829	88	103	252	.6	20
13830	108	80	250	.8	20
13831	796	128	429	7.2	10
13832	93	31	55	.7	20
MEADOW #1	35	13	20	.2	10
MEADOW #2	315	25	67	.6	60
DETECTION LIMIT	1	2	1	0.1	5

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

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REPORT NUMBER: 890240 GA JOB NUMBER: 890240 BETHLEHEM RESOURCES

SAMPLE #	Mo	Cu	Pb	Zn	Ag	Hg	As	Au
	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppb
13833	5	168	37	89	.4	nd	100	50
13834	2	141	44	68	.6	nd	40	10
13835	2	91	42	58	.4	nd	10	60
13836	3	457	22	54	1.6	nd	80	40
13837	3	369	24	49	1.3	nd	120	20
13838	4	64	44	127	.2	nd	40	30
13839	7	23	78	141	.1	5	60	20
13840	5	93	136	184	1.3	nd	40	30
13841	15	1789	514	483	12.2	nd	600	60
13842	26	2687	1717	944	>50.0	5	>1000	350
13843	26	2885	>20000	590	>50.0	nd	>1000	1170
13844	17	2434	7345	715	>50.0	10	>1000	1780
13845	24	3759	9991	887	>50.0	10	>1000	230
13846	22	2198	11300	498	>50.0	nd	>1000	1800
13847	11	1143	683	445	14.6	5	>1000	80
13848	21	3038	>20000	306	>50.0	nd	>1000	2590
DETECTION LIMIT	1	1	2	1	0.1	5	2	5

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

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SAMPLE #	Au ppb
88597	210
88601	190
88603	80
88604	60
88607	100
88613	100
88614	50
88615	80
88616	100
88617	40
88619	90
88622	100
88629	190
88631	90
88639	150
88640	100
88641	60
88642	100
88643	30
88644	40
88645	30
88646	30
88647	20
88648	30
88649	40
88651	30
88652	90
88654	30
88655	20
88669	20
88670	40
88671	20
88672	30
88675	10
88676	10
88677	30
88678	20
88679	30
88680	40
DETECTION LIMIT	5

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REPORT NUMBER: 890241 GA JOB NUMBER: 890241 BETHLEHEM RESOURCES

SAMPLE #	Cu	Pb	Zn	Ag	Au
	ppm	ppm	ppm	ppm	ppb
13849	1424	1539	438	>50.0	235
13850	1348	1450	440	>50.0	110

DETECTION LIMIT	1	2	1	0.1	5

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SAMPLE #	Cu	Pb	Zn	Ag	Au
	ppm	ppm	ppm	ppm	ppb
03690	122	109	404	1.0	5
03691	124	354	1133	1.7	5
03692	280	554	1710	4.9	20
03693	460	2139	4926	7.9	10
03694	225	749	1868	3.5	10
03695	263	704	2152	3.4	30
03696	162	493	1468	2.5	10
03697	128	640	1664	1.7	70
03698	219	267	733	3.0	60
03699	137	499	1112	3.5	70
03700	79	373	674	3.5	50
13751	115	203	480	1.3	10
13752	138	124	334	.6	10
13753	112	209	599	.5	20
13754	31	135	330	.5	5
13755	20	290	1980	3.4	10
13756	135	151	260	1.2	10
13757	125	117	226	.8	20
13758	119	266	683	1.4	20
13759	22	45	272	.8	5
13760	49	45	311	.2	5
13761	58	56	350	.2	20
13762	49	150	559	.6	10
13763	38	75	483	.1	5
13764	83	63	247	.4	5
13765	72	70	477	.7	10
13766	70	150	388	.8	10
13767	62	191	557	.7	10
13768	40	85	333	.4	5
13769	72	140	300	.6	10
13770	67	120	321	.8	10
13771	114	65	181	.6	20
13772	31	44	265	.3	5
13773	28	58	189	.3	10
13774	74	50	156	.1	10
13775	29	36	345	.1	5
13776	42	484	831	1.0	5
13777	18	53	312	.1	20
13778	33	46	201	.1	10
DETECTION LIMIT	1	2	1	0.1	5

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

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REPORT NUMBER: 890244 GA JOB NUMBER: 890244 BETHLEHEM RESOURCES

SAMPLE #	Cu	Pb	Zn	Ag	Au
	ppm	ppm	ppm	ppm	ppb
13779	34	38	158	.2	5
13780	26	54	121	.2	10
13781	44	52	144	.3	20
13782	24	40	88	.2	10
13783	63	89	254	.7	10
13784	34	96	233	.6	10
13785	84	211	615	1.0	10
13786	233	465	445	3.0	30
13787	418	489	339	4.1	60

DETECTION LIMIT	1	2	1	0.1	5

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

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REPORT NUMBER: 890249 GA JOB NUMBER: 890249 BETHLEHEM RESOURCES

SAMPLE #	Cu	Pb	Zn	Ag	Au
	ppm	ppm	ppm	ppm	ppb
13800	1089	1334	1322	18.8	300
13851	1385	1063	1391	19.6	40
13852	1282	5975	1796	30.5	40
13853	1365	2055	2586	24.3	30
13854	1872	1701	1805	26.0	60
13855	1523	2541	2717	30.6	70
13856	925	741	1590	12.2	10
13857	607	528	905	9.1	10
13858	807	848	1663	12.1	10
13859	662	836	1868	10.6	10
13860	754	1081	2224	12.9	5
13861	878	629	1184	12.1	10
13862	1157	688	655	19.4	60
13863	1109	470	556	18.3	50
13864	1552	654	447	16.8	40
13865	1246	436	379	14.6	40
13866	1126	562	778	12.7	40
13867	1238	1198	1727	15.9	40
13868	859	654	886	10.7	130
13869	836	728	401	27.9	170
13870	418	791	1110	9.7	30
13871	1065	1014	690	14.5	60
13872	1721	667	317	17.9	300
13873	1322	658	156	12.3	360
13874	950	399	308	10.1	100
13875	1031	505	468	12.8	130
13876	950	572	908	10.3	40
13877	792	470	724	9.0	40
13878	1247	544	481	13.0	190
13879	941	1009	462	12.6	530
13880	1065	3117	250	16.3	330

DETECTION LIMIT	1	2	1	0.1	5

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

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REPORT NUMBER: 890302 GA JOB NUMBER: 890302 BETHLEHEM RESOURCES

SAMPLE #	Cu	Pb	Zn	Ag	Au	As
	ppm	ppm	ppm	ppm	ppb	ppm
13951	1072	353	456	11.6	30	497
13952	1545	703	886	19.8	80	>1000
13953	1715	832	590	19.1	110	>1000
13954	866	275	379	13.0	100	>1000
13955	1133	585	447	7.1	80	971
13956	3220	15838	1061	>50.0	3300	>1000
13957	2475	3424	714	>50.0	70	>1000
13958	2304	712	724	16.6	30	788
13959	1079	400	309	8.0	40	736
13960	533	752	430	9.7	40	>1000
13961	2545	1050	555	>50.0	360	>1000
13962	286	171	274	3.5	140	154
13963	1919	748	303	28.4	1460	>1000
13964	57	82	184	.6	40	130
13881	1048	97	101	2.6	60	220
13882	174	56	80	1.3	150	95
13883	39	46	11	.6	60	28
13884	93	32	77	.6	40	86
13885	65	35	141	.5	10	5
13886	1047	1364	2962	11.8	120	90
13887	13117	623	414	>50.0	270	>1000
13888	275	66	99	1.8	20	160
13889	52	283	267	4.8	50	466
13890	36	55	87	.5	40	24
13894	298	59	75	1.3	50	39

DETECTION LIMIT	1	2	1	0.1	5	2

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

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REPORT NUMBER: 890359 GA JOB NUMBER: 890359 BETHLEHEM RESOURCES

SAMPLE #	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb	As ppm
88001	18	382	100	216	3.4	20	201
88002	19	1378	180	950	2.3	20	512
88003	22	1422	282	1095	3.5	20	578
88004	18	985	69	989	1.4	30	296
88005	11	253	54	446	1.0	10	72
88006	14	224	38	341	1.4	nd	66
88007	12	324	30	759	1.5	10	191
88008	10	292	32	820	1.3	10	293
88009	8	572	39	927	1.1	nd	376
88010	10	600	81	1356	1.3	20	650
88011	9	611	79	1240	1.2	20	508
88012	5	205	46	667	.4	20	159
88013	10	244	1056	1672	6.3	370	3912
88014	20	283	271	640	2.7	80	1004
88015	17	269	131	418	2.0	10	366
88016	18	292	126	444	1.8	10	386
88017	13	108	83	256	.7	20	218
88018	8	207	43	269	.7	20	203
88019	13	237	194	760	1.8	90	3165
88020	27	173	573	1177	3.5	80	2716
88021	22	414	294	1062	4.3	60	1341
88022	15	285	89	542	1.6	60	605
88023	12	141	39	469	1.1	10	261
88024	13	201	73	767	2.3	10	438
88025	11	2037	441	836	16.8	250	7934
88026	14	455	281	554	4.2	60	1708
88027	10	389	58	89	.8	10	143
88028	14	1123	636	1585	14.5	40	927
88029	11	1001	353	802	11.1	20	380
88030	9	839	546	1633	10.5	30	152
88031	9	1368	1152	1404	20.9	40	1370
88032	15	959	425	681	10.7	40	688
88033	12	1261	1485	454	13.9	110	1777
88034	10	1431	425	371	14.7	70	1111
88035	10	1119	416	318	12.2	40	753
89051	5	51	227	502	1.0	70	87
89052	4	73	41	150	1.4	nd	55
89053	6	87	142	436	1.0	40	203
89054	8	94	148	414	1.3	40	312
DETECTION LIMIT	1	1	2	1	0.1	5	2

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

GCR-89-7

VGC VANGEOCHEM LAB LIMITED

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REPORT NUMBER: 890359 GA JOB NUMBER: 890359 BETHLEHEM RESOURCES

SAMPLE #	Mo	Cu	Pb	Zn	Ag	Au	As
	ppm	ppm	ppm	ppm	ppm	ppb	ppm
89055	8	58	109	399	.8	40	465
89056	9	140	425	528	9.9	80	1050
89057	18	169	1019	557	4.4	60	1064
89058	6	196	73	340	1.4	30	496
89059	6	448	839	351	34.1	290	1559
89060	4	214	143	269	2.2	60	313
89061	4	221	77	277	1.2	20	379
89062	7	270	265	669	5.0	10	379
89063	14	617	547	738	9.0	40	513
89064	22	809	765	1465	11.3	80	627
89065	17	579	1086	1805	9.8	60	934
89066	20	844	558	1082	12.1	80	1343
89067	14	201	213	798	3.3	60	252
89068	15	379	151	1069	4.3	20	182
89069	14	621	854	2333	14.5	40	580
89070	11	598	686	1440	8.8	20	562
89071	13	446	776	1199	8.9	50	1678
89072	14	779	621	1600	14.8	40	1071
89073	14	573	521	476	11.5	50	554
89074	14	643	779	1395	14.6	10	358
89075	22	803	793	1136	10.1	40	1026
89076	17	576	825	1390	8.3	20	717
89077	17	660	1040	1248	10.3	20	677
89078	14	666	944	1162	9.6	30	518
89079	13	644	998	1366	10.3	60	1021
89080	9	350	830	544	9.2	60	591
89081	11	840	918	1482	13.6	60	435
89082	14	524	954	961	10.7	170	552
89083	10	438	915	1579	6.8	20	650
89084	13	911	928	1631	18.7	60	730
89085	18	592	874	563	4.8	40	1152
89086	13	828	467	431	9.2	320	3441
89087	23	1359	165	563	4.1	40	2923
89088	20	1424	229	484	6.9	120	2944
89089	18	890	84	344	1.4	60	1773
89090	10	634	83	261	2.3	160	2866
89091	15	780	57	303	1.3	120	2191
89092	9	756	49	295	.7	40	989
89093	32	947	77	299	2.5	50	1751
DETECTION LIMIT	1	1	2	1	0.1	5	2

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

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REPORT NUMBER: 890359 GA JOB NUMBER: 890359 BETHLEHEM RESOURCES

SAMPLE #	Mo	Cu	Pb	Zn	Ag	Au	As
	ppm	ppm	ppm	ppm	ppm	ppb	ppm
89094	49	745	142	353	3.3	70	1705
89095	22	1188	327	328	9.6	580	3104
89096	15	872	135	275	7.0	260	4175

DETECTION LIMIT	1	1	2	1	0.1	5	2

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

REPORT #: 890455 PA | BETHLEHEM | Proj: GIANT COPPER | Date In: 89/08/14 | Date Out:89/08/21 | Att: B KYNOCH |

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
89745	3.4	1.03	345	13	<3	0.32	2.5	7	29	51	2.71	0.13	0.43	1609	6	0.01	3	0.04	281	<2	<2	7	<5	<3	589
89746	0.8	1.06	413	15	<3	0.18	3.5	6	38	62	2.39	0.10	0.39	1413	12	0.01	4	0.06	239	<2	<2	6	<5	<3	642
89747	0.5	1.44	119	19	<3	0.11	2.1	5	50	97	2.57	0.09	0.62	1045	14	0.01	4	0.06	80	<2	<2	5	<5	<3	404
89748	1.7	1.25	296	15	<3	0.10	3.8	14	35	246	2.93	0.10	0.53	1130	36	0.01	3	0.06	155	<2	<2	4	<5	<3	835
89749	1.4	1.76	350	17	<3	0.09	5.1	11	32	216	3.37	0.12	0.81	1346	12	0.01	5	0.05	274	<2	<2	4	<5	<3	658
89750	2.2	1.25	328	19	<3	0.06	4.1	12	34	346	3.12	0.10	0.44	1313	13	0.01	5	0.05	284	<2	<2	3	<5	<3	444
89751	5.4	0.92	803	20	<3	0.06	1.2	16	36	647	3.95	0.12	0.25	1139	11	0.01	6	0.05	149	<2	<2	3	<5	<3	361
89752	14.7	1.48	1286	21	<3	0.05	1.2	11	41	2691	5.01	0.16	0.47	1488	12	0.01	5	0.05	171	<2	<2	2	<5	<3	424
89753	9.7	1.23	564	19	<3	0.09	5.1	8	46	1696	4.49	0.15	0.54	2208	16	0.01	6	0.05	250	<2	<2	2	<5	<3	636
89754	8.3	1.22	1614	15	<3	0.10	1.2	7	44	1517	4.77	0.16	0.64	2142	8	0.01	5	0.06	191	<2	<2	2	<5	<3	608
89755	39.2	0.84	538	15	<3	0.10	2.5	8	74	3282	5.66	0.20	0.56	6434	19	0.01	9	0.06	238	<2	3	1	<5	345	794
89756	>50.0	0.26	>2000	3	<3	0.11	0.1	34	67	>20000	>10.00	0.44	0.44	11823	30	0.02	28	0.04	401	650	21	1	<5	>1000	1986
89757	34.1	0.30	1556	9	<3	0.13	12.1	8	72	2454	6.33	0.24	0.50	9234	13	0.01	10	0.05	2593	<2	3	1	<5	222	1854
89758	10.8	0.26	936	8	<3	0.13	17.1	6	71	410	6.23	0.25	0.46	12781	23	0.01	6	0.05	2430	<2	2	1	<5	39	2303
89759	11.8	0.33	1029	9	<3	0.13	20.1	7	106	398	6.51	0.24	0.55	8917	21	0.01	9	0.04	714	<2	2	1	<5	<3	2440
89760	48.3	0.24	1299	8	<3	0.11	12.1	7	63	197	6.63	0.25	0.41	11048	14	0.01	7	0.04	1249	<2	2	1	<5	63	1951
89761	2.8	0.29	642	8	<3	0.12	11.3	6	65	59	5.85	0.23	0.38	12186	13	0.01	8	0.04	629	<2	2	1	<5	<3	1662
89762	3.3	0.23	1409	7	<3	0.11	40.5	24	78	73	5.42	0.23	0.28	15462	13	0.01	6	0.04	1018	<2	<2	<1	<5	<3	4369
89763	8.3	0.30	1249	9	<3	0.16	134.6	7	127	243	6.57	0.26	0.45	11740	22	0.03	8	0.05	1473	<2	3	1	<5	<3	13116
89764	40.8	0.25	1259	8	3	0.14	113.6	9	88	3276	6.12	0.23	0.48	7147	13	0.03	10	0.04	1557	<2	3	1	<5	126	11500
89765	32.4	0.25	421	9	<3	0.15	13.6	8	79	2204	5.82	0.21	0.53	5187	12	0.01	18	0.04	1943	126	4	1	<5	<3	1523
89766	18.2	0.29	561	9	<3	0.20	11.1	9	54	1260	7.24	0.26	0.79	5753	14	0.01	16	0.05	967	<2	3	1	<5	73	1240
89767	10.1	0.53	1585	16	<3	0.32	6.5	20	81	953	6.81	0.26	0.88	3342	13	0.02	13	0.06	498	<2	2	3	<5	<3	1047
89768	15.5	0.31	399	11	<3	0.23	10.1	9	46	1228	6.44	0.23	0.93	2756	21	0.01	12	0.05	428	<2	3	2	<5	<3	1147
89769	16.3	0.34	1677	11	3	0.22	3.1	14	64	1384	6.87	0.25	1.00	2679	13	0.01	18	0.05	492	<2	3	2	<5	<3	618
89770	15.8	0.33	>2000	12	4	0.27	0.1	17	65	1300	7.42	0.27	1.08	2624	12	0.01	21	0.05	686	<2	3	3	<5	<3	444
89771	13.2	0.39	937	14	<3	0.20	1.2	12	70	1319	6.08	0.22	0.95	2322	18	0.01	13	0.08	377	<2	3	4	<5	42	284
89851 ROCK	0.3	2.14	84	45	<3	0.48	0.1	7	60	51	1.46	0.12	0.29	143	3	0.03	4	0.02	21	<2	<2	60	<5	<3	35
89860 ROCK	0.3	5.25	19	63	<3	0.93	1.1	25	89	46	4.20	0.27	2.26	462	2	0.04	55	0.07	28	<2	<2	120	<5	<3	98
89861 ROCK	0.2	1.55	80	30	<3	0.19	0.2	8	54	33	2.61	0.11	0.75	523	6	0.02	9	0.06	31	<2	3	12	<5	<3	149
89862 ROCK	0.5	1.70	28	32	<3	0.43	3.6	8	42	25	2.58	0.14	0.75	1414	3	0.02	7	0.09	58	<2	3	22	<5	<3	1145
89863 ROCK	1.8	2.01	22	44	<3	0.35	1.5	9	27	44	3.52	0.16	0.91	866	4	0.02	5	0.09	110	<2	6	18	<5	<3	328
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

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

REPORT NUMBER: 890452 GA JOB NUMBER: 890452 BETHLEHEM RESOURCES

SAMPLE #	Au ppb
88503	30
88504	70
88505	30
88506	30
88507	nd
88508	60
88509	70
88510	60
88511	100
88512	70
88513	110
88514	20
88515	20
88516	10
88517	10
88518	80
88519	10
88520	10
88521	10
88522	10
88523	nd
88524	nd
88525	nd
88526	nd
88527	30
88528	nd
88529	20
88530	120
88531	20
88532	nd
88533	10
88534	10
88535	nd
88536	130
88537	140
88538	10
88539	30
88540	10
88541	nd

DETECTION LIMIT 5

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

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SAMPLE #	Au ppb
88542	nd
88543	40
88545	10
88546	nd
88548	20
88550	10
88551	20
88552	20
88553	30
88554	30
88555	60
88557	20
88558	20
88559	40
88560	80
88561	160
88562	20
88563	170
88565	110
88568	40
88569	30
88570	50
88571	70
88576	50
88579	30
88580	10
88581	80
88582	30
88584	40
88585	60
88586	50
88587	60
88588	50
88589	30
88590	80
88591	60
88593	50
88594	90
88596	290
DETECTION LIMIT	5

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

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SAMPLE #	Au ppb
88681	10
88682	20
88683	20
88684	30
88685	10
88686	420
88687	70
88688	10

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

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REPORT NUMBER: 890455 GA JOB NUMBER: 890455 BETHLEHEM RESOURCES

SAMPLE #	Au ppb
88544	140
88547	20
88549	30
88556	90
88564	310
88566	180
88567	100
88572	170
88573	40
88574	60
88575	50
88577	50
88578	30
88583	30
88592	120
88595	80
88598	310
88599	70
88600	130
88602	310
88605	80
88606	70
88608	240
88609	100
88610	90
88611	30
88612	40
88618	80
88620	110
88621	80
88623	90
88624	60
88625	60
88626	110
88627	180
88628	90
88630	220
88632	300
88633	70
DETECTION LIMIT	5

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

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RENO, NEVADA, U.S.A.

SAMPLE #	Au ppb
88634	90
88635	110
88636	120
88637	70
88638	140
88650	30
88653	30
88656	40
88657	20
88658	30
88659	50
88660	40
88661	50
88662	40
88663	40
88664	40
88665	20
88666	40
88667	80
88668	10
88673	30
88674	10
88689	90
88690	20
88691	20
88692	20
88693	10
88694	nd
88695	190
88696	70
88697	10
88698	20
88699	20
88700	600
88701	10
88702	nd
88703	170
88704	40
88705	20
DETECTION LIMIT	5

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RENO, NEVADA, U.S.A.

SAMPLE #	Au ppb
88706	140
88707	570
88708	700
88709	370
88710	30
88711	40
88712	30
88713	20
88714	20
88715	70
88716	250
88717	620
88718	550
88719	110
88720	50
88721	nd
88722	30
88723	10
88724	50
88725	nd
88726	20
88727	nd
88728	nd
88729	nd
88730	nd
88731	nd
88732	240
88733	30
88734	nd
88735	nd
88736	nd
88737	10
88738	20
88739	nd
88740	nd
88741	nd
88742	nd
88743	nd
88744	20
DETECTION LIMIT	5

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

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REPORT NUMBER: 890455 GA JOB NUMBER: 890455 BETHLEHEM RESOURCES

SAMPLE #	Au ppb
88745	40
88746	nd
88747	nd
88748	40
88749	nd
88750	nd
88751	nd
88752	40
88753	nd
88754	30
88755	nd
88756	1100
88757	90
88758	30
88759	40
88760	120
88761	20
88762	70
88763	70
88764	190
88765	20
88766	30
88767	40
88768	50
88769	80
88770	160
88771	40
88851 (ROCK)	150
88860 (ROCK)	nd
88861 (ROCK)	30
88862 (ROCK)	110
88863 (ROCK)	30

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

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REPORT NUMBER: 890455A AA JOB NUMBER: 890455A BETHLEHEM RESOURCES

SAMPLE #	Cu %	Ag oz/st	W %
88708	--	1.58	--
88756	4.77	13.96	.25
88760	--	1.51	--

DETECTION LIMIT	.01	.01	.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: 890427 GA JOB NUMBER: 890427 BETHLEHEM RESOURCES

SAMPLE #	Au ppb
88449	10
88450	40
88451	60
88452	50
88453	20
88454	100
88455	20
88456	20
88459	nd
88460	40
88462	80
88463	30
88464	20
88465	10
88466	170
88467	120
88468	60
88469	90
88470	20
88471	130
88473	70
88474	30
88475	30
88476	100
88477	40
88479	30
88480	30
88481	nd
88482	nd
88483	nd
88484	nd
88485	nd
88486	nd
88487	10
88488	40
88489	10
88490	nd
88491	40
88492	nd
DETECTION LIMIT	5

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

VGC VANGEOCHEM LAB LIMITED

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RENO, NEVADA, U.S.A.

REPORT NUMBER: 890427 GA JOB NUMBER: 890427 BETHLEHEM RESOURCES

SAMPLE #	Au ppb
88493	nd
88494	30
88495	20
88496	40
88497	nd
88498	30
88499	10
88500	50
88501	70
88502	50

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

[redacted]
1988 Triumph Street, [redacted]uver, 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: [signature]

REPORT #: 890427 PA | BETHLEHEM | Proj: GIANT COPPER | Date In: 89/08/08 | Date Out:89/08/15 | Att: P McANDLESS |

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
88449	1.6	0.33	157	41	5	0.34	3.2	17	185	579	>10.00	0.47	1.75	4058	6	0.05	124	0.08	45	45	6	5	<5	<3	158
88450	2.0	0.31	177	16	5	0.32	3.2	17	208	922	>10.00	0.47	1.74	3529	6	0.05	165	0.08	43	61	6	4	<5	<3	102
88451	4.0	0.36	318	10	4	0.27	3.4	21	124	1784	>10.00	0.34	1.33	3553	7	0.05	81	0.05	34	<2	6	2	<5	<3	271
88452	0.6	0.34	127	11	5	0.31	9.1	17	134	334	>10.00	0.46	1.70	13175	7	0.07	68	0.07	47	<2	5	3	<5	<3	951
88453	0.6	0.43	121	11	4	0.27	5.3	15	82	279	>10.00	0.38	1.50	5766	7	0.07	51	0.07	45	<2	5	3	<5	<3	702
88454	0.8	1.25	111	39	4	0.63	8.1	18	84	220	>10.00	0.42	1.68	6148	5	0.10	61	0.05	136	<2	5	17	<5	<3	938
88455	0.7	0.92	544	51	3	0.77	4.5	24	82	339	8.23	0.36	1.33	4112	5	0.05	54	0.07	83	<2	3	16	<5	<3	738
88456	1.1	0.50	775	25	<3	0.56	2.2	25	29	473	5.24	0.23	0.95	2526	5	0.03	28	0.05	70	<2	2	6	<5	<3	496
88459	1.2	0.75	119	22	5	0.44	8.5	16	127	300	>10.00	0.41	1.81	3938	5	0.05	122	0.05	91	<2	5	8	<5	<3	907
88460	0.6	0.61	273	15	<3	0.52	2.9	19	60	440	6.24	0.28	1.10	3466	5	0.02	37	0.16	39	<2	3	5	<5	<3	428
88462	0.3	0.53	106	17	3	0.33	3.4	10	45	134	8.46	0.31	1.25	4043	4	0.05	32	0.10	35	<2	4	4	<5	<3	383
88463	0.8	0.48	164	16	5	0.39	15.1	13	170	209	>10.00	0.44	1.60	4831	9	0.07	82	0.14	49	<2	5	4	<5	<3	1973
88464	0.6	1.08	210	28	<3	0.83	2.1	21	39	451	6.10	0.31	1.10	2254	5	0.01	27	0.10	45	<2	2	11	<5	<3	303
88465	0.3	2.58	144	119	<3	1.64	0.8	24	180	297	3.55	0.34	0.95	892	3	0.02	111	0.10	22	<2	<2	58	<5	<3	214
88466	0.2	3.17	62	243	<3	2.21	0.5	17	171	117	2.80	0.41	1.02	714	2	0.02	79	0.08	17	<2	<2	79	<5	<3	131
88467	1.2	1.72	319	128	<3	1.25	2.4	23	137	544	6.74	0.39	1.35	2527	5	0.05	81	0.08	45	<2	3	31	<5	<3	348
88468	1.6	1.47	546	50	<3	0.44	1.2	23	85	823	5.81	0.23	1.06	2568	7	0.02	41	0.05	45	<2	2	10	<5	<3	334
88469	29.3	1.68	103	30	4	0.38	7.4	17	79	9085	>10.00	0.40	1.54	3527	5	0.05	79	0.10	125	<2	5	5	<5	<3	736
88470	15.7	1.85	106	26	5	0.47	11.6	22	70	4946	>10.00	0.43	1.64	4319	5	0.07	61	0.10	200	<2	6	6	<5	<3	1343
88471	6.8	3.12	90	69	4	1.37	4.3	29	107	6967	9.76	0.51	2.04	3484	6	0.07	91	0.15	84	<2	6	12	<5	<3	379
88473	5.6	2.75	102	52	4	0.96	4.5	23	97	2445	9.64	0.44	1.83	3643	11	0.07	72	0.11	101	<2	5	11	<5	<3	457
88474	4.0	4.05	102	35	5	1.12	12.3	34	367	1468	>10.00	0.55	2.75	6522	15	0.08	154	0.10	358	20	5	8	<5	<3	1525
88475	3.4	2.83	107	33	4	0.62	4.1	21	72	1605	>10.00	0.41	1.77	3536	20	0.07	41	0.08	110	<2	4	7	<5	<3	350
88476	7.1	1.95	161	39	3	0.83	3.7	22	90	3096	8.85	0.39	1.60	3748	23	0.05	53	0.10	75	<2	4	8	<5	<3	428
88477	2.9	2.80	87	19	4	0.51	4.3	23	96	1161	>10.00	0.39	1.77	3759	31	0.15	79	0.07	103	<2	3	5	<5	<3	351
88479	1.2	1.91	502	38	<3	0.46	0.8	21	52	1287	5.14	0.21	1.24	1603	5	0.02	30	0.07	40	<2	2	15	<5	<3	213
88480	7.6	1.41	328	79	3	0.54	3.2	24	92	2716	7.49	0.31	1.37	2487	8	0.05	62	0.14	66	<2	5	9	<5	<3	513
88481	2.2	1.75	111	117	<3	0.45	1.6	16	113	854	4.43	0.20	1.52	1102	10	0.02	95	0.15	32	<2	4	12	<5	<3	165
88482	1.1	1.47	336	37	<3	0.36	1.1	22	40	753	3.42	0.15	0.89	702	6	0.01	31	0.07	34	<2	<2	7	<5	<3	298
88483	0.8	1.75	223	42	<3	0.58	0.6	17	47	606	4.01	0.21	0.95	996	8	0.01	43	0.07	29	<2	<2	11	<5	<3	155
88484	1.9	1.37	230	51	<3	0.62	0.6	22	63	861	4.43	0.21	0.95	1326	10	0.01	45	0.07	51	<2	<2	11	<5	<3	230
88485	0.6	1.77	187	47	<3	0.51	1.2	18	45	508	3.62	0.17	0.83	1139	5	0.01	41	0.05	45	<2	<2	11	<5	<3	207
88486	0.3	1.24	71	35	<3	0.57	0.5	9	46	420	2.50	0.15	0.68	861	5	0.01	26	0.05	25	<2	<2	11	<5	<3	155
88487	0.3	0.72	75	21	<3	0.22	1.1	8	26	345	4.72	0.17	0.80	2590	6	0.02	26	0.05	32	<2	2	5	<5	<3	152
88488	1.6	1.81	589	41	<3	0.22	0.1	23	49	1275	3.95	0.15	0.82	527	26	0.01	50	0.10	26	<2	2	16	<5	<3	102
88489	1.6	1.41	472	30	<3	0.28	0.1	31	51	1320	3.20	0.13	0.64	409	28	0.01	46	0.10	23	<2	<2	17	<5	<3	263
88490	0.6	0.94	679	22	<3	1.58	0.1	18	24	905	3.16	0.32	0.27	759	20	0.01	50	0.10	23	<2	<2	17	<5	<3	170
88491	0.2	1.47	157	22	<3	0.77	0.2	25	42	766	3.33	0.21	0.56	414	23	0.01	82	0.11	22	<2	<2	21	<5	<3	94
88492	0.2	1.95	35	21	<3	0.54	0.5	17	66	318	3.15	0.16	0.92	357	17	0.01	64	0.11	21	<2	<2	22	<5	<3	147
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 AnFA = Fire assay/AAS

REPORT #: 890427 PA | BETHLEHEM | Proj: GIANT COPPER | Date In: 89/08/08 | Date Out:89/08/15 | Att: P McANDLESS |

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
88493	1.5	2.48	86	44	<3	0.73	1.7	23	67	565	3.75	0.22	1.00	499	19	0.03	65	0.11	39	12	2	36	<5	4	98
88494	0.9	2.14	60	24	7	0.54	1.4	27	48	797	4.07	0.20	0.86	425	20	0.03	52	0.11	33	11	2	29	<5	3	88
88495	0.4	1.93	31	29	4	0.55	1.6	26	51	492	3.65	0.19	0.81	340	21	0.03	58	0.12	30	8	2	28	<5	<3	68
88496	0.5	2.17	56	28	7	0.49	1.7	21	58	891	3.85	0.19	1.08	466	52	0.03	50	0.13	32	8	<2	24	<5	98	246
88497	0.5	2.14	36	55	10	0.55	1.6	22	83	422	3.76	0.19	1.24	395	26	0.03	68	0.09	33	10	2	26	<5	6	120
88498	0.4	2.27	85	34	5	0.67	1.6	20	57	540	3.62	0.21	0.98	420	21	0.03	58	0.12	29	8	<2	32	<5	<3	158
88499	0.5	2.05	48	47	9	0.80	1.7	25	50	495	4.68	0.26	0.86	445	21	0.03	69	0.10	34	13	2	31	<5	14	93
88500	0.6	1.48	37	27	<3	0.79	0.9	15	53	817	2.85	0.20	0.41	323	18	0.03	68	0.12	30	<2	2	25	<5	<3	263
88501	1.1	2.21	46	34	9	0.64	1.8	31	61	1320	4.56	0.23	0.52	286	26	0.03	102	0.11	28	14	2	37	<5	<3	110
88502	0.2	1.68	40	77	<3	0.44	1.5	17	58	374	3.08	0.16	0.72	307	22	0.02	80	0.13	28	3	2	21	<5	<3	97
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, Var r, 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 #: 890452 PA | BETHLEHEM RESOURCES | Proj: GIANT COPPER | Date In: 89/08/11 | Date Out:89/08/18 | Att: BRIAN KYNOCH |

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
88503	0.6	1.24	33	34	<3	0.40	0.3	13	48	273	2.23	0.13	0.42	286	15	0.02	53	0.10	45	<2	2	18	<5	<3	107
88504	0.8	1.43	60	39	<3	0.50	0.6	20	42	561	3.12	0.17	0.58	362	22	0.02	61	0.08	54	<2	2	21	<5	<3	896
88505	0.7	1.42	29	70	<3	0.42	0.3	17	45	518	2.53	0.14	0.58	338	15	0.02	52	0.10	22	<2	2	31	<5	<3	262
88506	0.9	1.55	23	76	<3	0.41	0.2	20	52	883	2.88	0.15	0.83	262	14	0.02	63	0.11	26	<2	3	37	<5	<3	71
88507	0.5	1.40	21	70	<3	0.54	0.6	20	54	358	2.62	0.16	0.80	271	12	0.02	47	0.23	22	<2	3	36	<5	<3	61
88508	0.5	1.71	70	153	<3	0.50	0.6	32	35	1191	3.20	0.18	0.49	509	17	0.03	62	0.07	23	<2	2	83	<5	<3	97
88509	0.4	1.60	275	71	<3	0.49	0.1	22	44	1286	3.14	0.17	0.91	355	28	0.02	39	0.05	22	<2	2	27	<5	<3	91
88510	0.5	1.52	114	68	<3	0.58	0.1	17	28	611	2.68	0.17	0.67	373	13	0.02	30	0.08	20	<2	2	35	<5	<3	85
88511	0.4	1.27	78	30	<3	0.66	0.2	16	18	399	2.53	0.17	0.52	332	18	0.03	19	0.11	18	<2	2	21	<5	<3	72
88512	0.6	1.35	251	32	<3	1.08	0.1	14	39	482	2.99	0.25	0.47	508	35	0.04	50	0.10	23	<2	3	25	<5	<3	88
88513	0.4	1.53	274	39	<3	0.94	0.1	16	38	514	2.87	0.22	0.52	471	20	0.04	49	0.10	30	<2	2	29	<5	<3	129
88514	0.3	1.38	68	31	<3	0.72	0.6	14	41	303	2.86	0.19	0.51	374	17	0.03	67	0.09	19	<2	2	21	<5	<3	88
88515	0.3	1.19	34	40	<3	0.78	0.5	11	55	158	2.85	0.20	0.46	411	18	0.03	52	0.11	18	<2	2	20	<5	<3	68
88516	0.2	1.48	23	39	<3	0.81	0.2	28	50	172	2.75	0.20	0.48	385	24	0.03	58	0.09	18	<2	3	25	<5	<3	61
88517	0.3	1.27	42	45	<3	0.70	0.1	15	42	155	2.29	0.17	0.59	311	12	0.03	45	0.10	19	<2	2	21	<5	<3	53
88518	0.4	1.17	437	26	<3	0.94	0.1	17	32	534	2.97	0.23	0.42	425	9	0.03	62	0.10	43	<2	2	17	<5	<3	75
88519	0.3	0.93	41	23	<3	0.85	0.1	42	65	198	1.77	0.18	0.39	322	8	0.02	38	0.08	15	<2	2	14	<5	3	58
88520	0.3	1.17	36	26	<3	0.65	0.1	12	47	287	2.16	0.16	0.45	299	13	0.02	67	0.09	17	<2	2	18	<5	<3	190
88521	0.2	1.12	23	24	<3	0.59	0.1	12	57	212	2.10	0.15	0.46	266	12	0.02	41	0.11	15	<2	2	17	<5	<3	41
88522	0.2	1.26	34	26	<3	0.63	0.2	10	39	211	2.20	0.16	0.56	313	11	0.02	48	0.10	17	<2	2	18	<5	<3	58
88523	0.3	1.05	44	20	<3	0.88	0.1	13	44	269	2.13	0.19	0.50	385	8	0.02	31	0.10	18	<2	3	14	<5	<3	58
88524	0.3	1.43	26	36	<3	1.48	0.6	19	30	218	3.61	0.32	0.48	548	9	0.03	43	0.10	21	<2	2	25	<5	<3	105
88525	0.2	1.69	88	29	<3	1.21	0.5	12	54	203	2.64	0.26	0.54	432	12	0.03	25	0.10	19	<2	2	30	<5	<3	73
88526	0.3	1.06	30	29	<3	0.85	0.1	13	46	218	1.99	0.18	0.51	351	10	0.02	32	0.11	21	<2	2	19	<5	<3	66
88527	0.2	0.91	8	19	<3	0.88	0.1	9	68	128	1.71	0.18	0.39	311	8	0.02	29	0.12	15	<2	2	16	<5	<3	51
88528	0.3	1.30	10	57	<3	0.85	0.1	14	27	148	2.01	0.18	0.44	294	10	0.03	34	0.07	19	<2	2	27	<5	<3	80
88529	0.2	1.38	112	28	<3	0.99	0.1	12	79	127	2.06	0.21	0.44	359	11	0.03	30	0.09	18	<2	2	26	<5	<3	49
88530	0.3	0.94	236	16	<3	1.03	0.1	21	40	212	3.13	0.24	0.38	474	9	0.02	28	0.06	21	<2	2	14	<5	<3	75
88531	0.3	0.77	276	19	<3	1.47	0.1	21	46	223	3.40	0.32	0.53	810	7	0.02	28	0.06	21	<2	3	14	<5	<3	128
88532	0.3	0.97	185	15	<3	0.97	0.1	18	36	159	2.45	0.21	0.39	445	6	0.02	42	0.06	21	<2	2	18	<5	<3	119
88533	0.4	0.87	67	24	<3	0.87	0.2	22	52	176	3.12	0.22	0.38	356	5	0.03	36	0.07	18	<2	3	16	<5	<3	66
88534	0.2	1.03	17	27	<3	0.92	0.3	19	44	188	2.63	0.21	0.49	379	5	0.02	25	0.06	20	<2	3	17	<5	<3	55
88535	0.3	0.73	52	22	<3	1.20	0.3	16	49	143	2.40	0.25	0.37	390	6	0.02	25	0.08	18	<2	2	18	<5	<3	75
88536	0.2	0.61	>2000	22	<3	1.75	0.1	56	27	181	5.12	0.41	0.80	1138	32	0.02	32	0.06	22	<2	2	17	<5	<3	133
88537	2.2	1.95	289	63	<3	1.42	0.5	38	44	2253	4.16	0.34	0.55	512	7	0.03	46	0.10	29	<2	3	39	<5	<3	115
88538	0.6	2.80	56	336	<3	2.14	0.1	11	24	216	2.51	0.39	0.60	512	6	0.04	13	0.09	19	<2	<2	76	<5	<3	43
88539	0.5	1.91	471	40	<3	1.64	0.1	27	40	414	3.80	0.36	0.57	585	10	0.04	28	0.09	24	<2	2	38	<5	<3	75
88540	0.4	2.28	295	49	<3	2.00	0.1	20	62	303	3.60	0.40	0.48	612	16	0.04	99	0.10	24	<2	2	50	<5	<3	162
88541	0.6	0.77	46	14	<3	0.98	0.1	19	61	127	2.65	0.22	0.42	343	7	0.02	47	0.07	19	<2	3	14	<5	<3	40
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 #: 890452 PA | BETHLEHEM RESOURCES | Proj: GIANT COPPER | Date In: 89/08/11 | Date Out:89/08/18 | Att: BRIAN KYNOCH |

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
88542	0.2	0.76	134	17	<3	1.02	0.1	12	77	178	2.50	0.22	0.45	461	8	0.02	20	0.08	23	<2	3	15	<5	<3	77
88543	0.3	0.92	458	35	<3	0.98	0.1	13	51	241	2.38	0.21	0.45	443	9	0.02	22	0.09	20	<2	2	19	<5	<3	71
88545	4.1	0.55	354	13	<3	0.27	1.1	15	46	1608	9.02	0.33	0.77	2976	8	0.07	33	0.15	33	<2	4	3	<5	<3	190
88546	2.5	1.34	471	16	<3	0.28	2.7	18	41	700	>10.00	0.40	1.17	3539	9	0.06	38	0.15	42	<2	4	3	<5	<3	323
88548	13.6	0.36	787	12	<3	0.24	0.1	17	47	5546	8.90	0.32	0.97	2916	8	0.04	37	0.10	29	<2	6	2	<5	<3	173
88550	1.5	0.47	333	16	<3	0.21	1.2	11	58	379	8.61	0.31	0.94	2568	10	0.04	28	0.08	28	<2	3	2	<5	<3	91
88551	0.3	0.43	452	14	<3	0.25	1.1	17	23	421	9.57	0.34	1.10	2709	8	0.04	57	0.10	31	<2	4	2	<5	<3	269
88552	0.6	0.42	863	12	<3	0.22	0.1	25	30	771	8.96	0.32	1.03	2497	6	0.04	36	0.08	33	<2	4	2	<5	<3	142
88553	0.3	0.44	678	13	<3	0.23	0.1	17	32	321	7.91	0.29	1.04	2166	7	0.04	31	0.09	31	<2	3	3	<5	<3	151
88554	0.7	1.33	275	14	<3	0.32	1.9	10	34	444	9.99	0.37	1.41	2833	7	0.06	30	0.12	36	<2	4	4	<5	<3	102
88555	5.1	3.20	390	11	3	0.25	4.5	19	99	882	>10.00	0.47	1.88	3444	10	0.05	46	0.07	176	<2	4	4	<5	<3	470
88557	1.7	4.02	113	16	<3	0.17	4.5	16	52	527	>10.00	0.47	1.90	3505	12	0.07	38	0.05	74	<2	3	3	<5	<3	204
88558	2.1	2.44	200	37	<3	0.24	2.1	16	47	788	8.03	0.29	1.39	2212	11	0.05	41	0.05	63	<2	3	7	<5	<3	170
88559	5.4	2.68	109	19	<3	0.43	3.1	19	72	1536	8.02	0.32	1.41	2187	10	0.03	93	0.16	69	<2	3	7	<5	<3	340
88560	18.1	4.77	319	10	3	0.23	4.5	17	46	4689	>10.00	0.49	1.83	3585	12	0.08	73	0.10	156	<2	3	2	<5	<3	300
88561	21.2	4.17	230	90	<3	0.32	5.1	21	96	6385	>10.00	0.41	1.85	2717	9	0.06	68	0.13	181	<2	5	9	<5	<3	415
88562	2.7	5.72	160	458	<3	1.05	2.2	22	722	482	6.41	0.36	4.71	1552	6	0.04	150	0.07	42	<2	3	70	<5	<3	238
88563	16.5	3.91	328	52	<3	0.33	3.2	40	100	8489	>10.00	0.41	1.86	2799	10	0.07	88	0.14	64	<2	6	6	<5	<3	206
88565	23.3	4.86	130	26	3	0.25	17.7	34	261	7010	>10.00	0.51	2.34	4010	11	0.05	113	0.11	207	<2	5	4	<5	<3	1965
88568	17.6	3.09	164	13	<3	0.33	3.5	13	77	6447	>10.00	0.43	1.54	3564	8	0.04	65	0.12	63	3	5	3	<5	<3	187
88569	13.3	3.93	90	12	<3	0.31	3.8	11	82	2894	>10.00	0.44	1.63	3315	10	0.06	56	0.12	132	<2	3	3	<5	<3	152
88570	10.8	4.03	104	16	<3	0.22	5.9	16	109	2564	>10.00	0.43	1.68	3282	11	0.05	61	0.10	121	<2	4	3	<5	<3	443
88571	16.7	3.72	145	17	3	0.23	5.5	16	59	4758	>10.00	0.44	1.63	3411	11	0.05	67	0.11	101	<2	5	3	<5	<3	705
88576	3.1	2.01	206	31	<3	0.48	3.5	23	101	1405	>10.00	0.44	1.55	3566	11	0.04	90	0.15	49	<2	5	8	<5	<3	209
88579	1.5	0.91	147	24	<3	0.40	2.2	16	95	752	8.49	0.33	1.17	2487	10	0.04	54	0.13	37	<2	4	7	<5	<3	98
88580	1.6	1.08	383	37	<3	0.68	1.5	24	145	975	9.32	0.40	1.38	2890	11	0.04	94	0.13	39	<2	4	18	<5	<3	123
88581	1.8	0.54	818	14	<3	0.43	0.1	29	60	1068	8.52	0.34	0.99	2146	10	0.04	72	0.22	32	<2	4	3	<5	<3	73
88582	1.5	0.82	430	22	<3	0.43	2.2	21	55	1075	>10.00	0.46	1.40	3565	11	0.04	53	0.19	42	<2	5	5	<5	<3	121
88584	0.4	1.37	219	32	<3	0.75	0.6	23	101	423	5.12	0.27	0.79	1569	9	0.03	100	0.10	27	<2	2	34	<5	<3	75
88585	1.0	0.51	425	14	<3	0.43	0.3	19	125	645	6.40	0.27	0.82	2330	17	0.02	77	0.11	26	<2	3	6	<5	<3	94
88586	2.7	0.50	236	7	<3	0.26	0.7	15	70	913	5.46	0.21	0.66	1556	19	0.03	45	0.12	29	<2	3	2	<5	<3	66
88587	1.1	0.42	363	11	<3	0.26	0.5	16	65	539	6.82	0.26	0.76	1806	14	0.03	43	0.11	25	<2	3	2	<5	<3	50
88588	4.2	0.44	252	12	<3	0.34	1.3	24	81	2272	8.97	0.34	0.97	2308	14	0.04	62	0.16	30	<2	5	3	<5	<3	49
88589	1.3	0.36	257	8	<3	0.40	1.2	26	86	651	8.88	0.34	1.06	2518	19	0.03	61	0.19	28	<2	4	2	<5	<3	24
88590	1.7	0.32	1200	9	<3	0.37	0.1	45	64	428	7.95	0.31	0.98	2319	18	0.03	65	0.19	26	<2	3	2	<5	<3	17
88591	4.9	0.34	1068	9	<3	0.36	0.1	55	105	2527	>10.00	0.39	1.23	3205	15	0.04	85	0.16	31	<2	5	2	<5	<3	50
88593	3.3	2.18	121	44	<3	1.03	0.6	14	97	1097	3.90	0.27	1.04	967	8	0.04	54	0.08	30	<2	2	66	<5	<3	82
88594	9.9	2.67	147	27	<3	0.48	3.6	23	101	3439	>10.00	0.40	1.52	2715	12	0.04	67	0.12	51	<2	4	19	<5	<3	231
88596	16.0	1.36	271	20	<3	0.32	3.5	24	46	8166	>10.00	0.45	1.42	3241	10	0.03	64	0.12	40	<2	6	4	<5	<3	141
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 #: 890452 PA BETHLEHEM RESOURCES Proj: GIANT COPPER Date In: 89/08/11 Date Out:89/08/18 Att: BRIAN KYNOCH

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
88597	13.7	2.64	183	18	<3	0.55	5.7	26	53	5641	>10.00	0.47	1.65	3119	9	0.04	68	0.22	54	<2	5	10	<5	<3	277
88601	12.0	0.62	167	21	<3	0.45	5.4	22	52	4872	>10.00	0.43	1.28	3075	11	0.03	59	0.17	42	<2	6	5	<5	<3	407
88603	5.3	0.53	240	11	<3	0.66	4.1	22	53	3203	>10.00	0.62	2.02	6409	12	0.04	62	0.20	46	<2	7	4	<5	<3	133
88604	4.0	0.42	366	9	<3	0.60	4.1	24	42	2090	>10.00	0.64	2.42	7482	12	0.04	68	0.18	47	<2	7	3	<5	<3	153
88607	4.2	0.69	373	16	<3	0.91	3.1	27	45	2350	>10.00	0.59	1.93	4533	14	0.04	63	0.18	46	<2	6	8	<5	<3	95
88613	5.5	2.96	956	31	<3	1.21	0.1	37	70	2143	7.41	0.41	1.60	1550	9	0.05	53	0.12	42	<2	2	53	<5	<3	213
88614	2.3	2.04	161	40	<3	1.16	1.8	15	82	682	7.77	0.41	1.67	1578	10	0.03	46	0.16	37	<2	5	21	<5	<3	118
88615	5.3	2.17	185	34	<3	1.32	2.3	17	55	1942	9.13	0.48	1.81	1859	13	0.03	46	0.23	39	<2	5	21	<5	<3	121
88616	6.2	2.94	120	81	<3	1.50	3.1	18	76	2384	>10.00	0.55	2.35	2126	10	0.04	45	0.22	44	<2	6	23	<5	<3	153
88617	3.5	2.75	245	52	<3	1.52	2.5	22	90	1013	9.41	0.52	1.91	1997	9	0.05	77	0.18	58	<2	5	37	<5	<3	182
88619	9.2	1.81	1118	28	4	0.79	4.4	22	79	1609	10.00	0.44	1.64	2795	9	0.03	50	0.22	304	<2	5	12	<5	<3	699
88622	6.5	0.97	1517	17	<3	0.49	0.1	27	86	1755	8.12	0.33	1.19	2284	14	0.04	79	0.15	81	<2	4	5	<5	10	163
88629	11.2	2.78	259	71	<3	0.81	6.4	29	189	4498	>10.00	0.49	2.67	2780	16	0.04	86	0.17	88	<2	7	9	<5	<3	523
88631	8.0	1.97	320	55	<3	0.70	3.5	22	67	1871	>10.00	0.44	1.73	2587	15	0.04	54	0.16	68	<2	5	17	<5	<3	273
88639	7.0	2.05	324	28	<3	1.04	3.1	34	90	4360	9.51	0.46	1.97	2561	25	0.04	73	0.26	51	<2	5	15	<5	<3	268
88640	9.5	2.61	964	52	<3	0.08	0.1	29	86	2050	7.52	0.25	0.57	1664	61	0.04	43	0.10	102	<2	4	10	<5	<3	249
88641	4.2	2.36	273	55	<3	0.30	0.7	19	71	1250	4.25	0.18	0.80	927	21	0.03	44	0.07	45	<2	2	27	<5	<3	145
88642	5.9	1.85	506	54	<3	0.20	1.8	28	69	2244	6.95	0.25	0.69	2129	31	0.04	55	0.10	84	<2	3	13	<5	<3	299
88643	12.2	1.45	375	39	<3	0.15	2.6	19	50	4083	8.23	0.29	0.54	2411	43	0.04	48	0.08	58	<2	4	8	<5	<3	271
88644	10.2	0.85	331	21	<3	0.17	2.1	17	60	4180	8.76	0.31	0.61	2330	53	0.04	55	0.10	38	<2	5	4	<5	<3	602
88645	10.2	0.54	216	9	<3	0.26	3.1	13	133	4640	>10.00	0.45	1.22	3643	22	0.05	79	0.10	36	<2	8	3	<5	<3	88
88646	3.9	1.34	97	112	<3	0.34	2.5	14	175	813	7.65	0.30	1.94	2400	11	0.03	92	0.09	30	<2	6	12	<5	<3	311
88647	1.6	1.43	69	100	<3	0.39	1.8	14	177	250	5.64	0.24	1.83	1891	9	0.03	87	0.08	27	<2	4	12	<5	<3	206
88648	8.0	0.54	296	23	<3	0.20	1.3	15	48	2870	7.67	0.28	0.82	2701	57	0.04	38	0.09	26	<2	4	4	<5	<3	720
88649	14.5	0.59	236	13	<3	0.27	3.5	16	40	6041	9.31	0.35	0.94	4230	56	0.04	45	0.13	33	<2	7	3	<5	<3	420
88651	21.9	0.55	375	13	<3	0.32	2.5	15	27	10820	>10.00	0.43	1.01	10251	282	0.04	67	0.15	35	<2	8	6	<5	<3	154
88652	15.7	0.47	>2000	13	<3	0.38	0.1	22	26	8353	9.42	0.40	0.78	12905	>1000	0.04	65	0.21	37	<2	7	5	<5	<3	448
88654	3.5	1.06	270	19	<3	0.41	1.5	14	63	1477	4.43	0.21	0.81	3109	123	0.02	56	0.11	65	<2	4	12	<5	<3	275
88655	2.5	1.75	51	21	<3	0.71	1.3	17	130	1290	4.56	0.25	1.16	3066	31	0.07	45	0.09	31	<2	3	13	<5	<3	125
88669	1.5	1.65	110	17	<3	0.84	1.3	26	56	276	2.82	0.21	0.95	1333	12	0.02	29	0.08	23	<2	2	18	<5	<3	197
88670	1.9	1.83	315	15	<3	1.03	1.1	34	58	274	2.93	0.24	1.00	1554	13	0.03	31	0.08	33	<2	2	24	<5	<3	249
88671	1.0	1.83	113	57	<3	1.41	1.2	28	39	174	2.11	0.27	0.80	881	7	0.03	28	0.10	32	<2	2	53	<5	<3	215
88672	1.6	2.39	110	36	<3	1.29	1.6	31	43	328	3.42	0.30	1.15	1319	11	0.03	39	0.12	42	<2	2	43	<5	<3	223
88675	1.1	1.62	76	22	<3	1.28	0.6	15	33	181	1.89	0.24	0.81	683	10	0.03	23	0.11	27	<2	2	36	<5	<3	122
88676	1.2	1.99	623	12	<3	1.86	3.5	18	51	109	2.89	0.36	1.19	1267	10	0.03	17	0.15	248	<2	2	31	<5	<3	728
88677	1.2	1.94	779	11	<3	1.60	2.3	24	36	97	2.52	0.31	1.11	996	10	0.03	17	0.12	120	<2	<2	36	<5	<3	649
88678	1.4	2.14	77	15	<3	1.49	1.8	13	35	82	1.92	0.28	1.10	888	7	0.04	22	0.14	77	<2	2	58	<5	<3	258
88679	1.3	2.37	335	15	<3	1.67	1.2	50	36	67	2.04	0.31	1.05	1161	9	0.04	41	0.14	73	<2	<2	65	<5	<3	295
88680	1.1	2.76	205	25	<3	2.00	2.6	16	39	43	2.77	0.38	1.16	1475	6	0.04	14	0.15	166	<2	<2	69	<5	<3	407
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 #: 890452 PA BETHLEHEM RESOURCES Proj: GIANT COPPER Date In: 89/08/11 Date Out:89/08/18 Att: BRIAN KYNOCH

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
88681	1.1	2.14	101	21	<3	1.88	3.1	19	33	78	2.26	0.34	1.11	1124	7	0.03	30	0.14	122	<2	2	51	<5	<3	360
88682	0.9	2.30	32	19	<3	1.54	2.6	7	34	33	1.38	0.27	0.88	485	6	0.04	20	0.13	80	<2	2	72	<5	<3	276
88683	1.1	1.32	47	12	<3	1.47	3.4	8	36	19	1.51	0.26	0.89	733	4	0.02	10	0.13	213	<2	2	31	<5	<3	385
88684	1.3	1.17	255	10	<3	1.30	9.1	8	22	29	1.85	0.24	0.86	983	4	0.02	18	0.13	231	<2	3	22	<5	<3	897
88685	0.2	3.30	59	72	<3	1.91	0.7	17	11	66	4.40	0.41	0.85	387	4	0.03	16	0.09	35	<2	<2	83	<5	<3	56
88686	1.1	2.00	>2000	71	<3	1.84	0.1	56	30	184	6.91	0.49	1.28	1489	10	0.03	50	0.08	101	<2	2	51	<5	<3	254
88687	0.8	1.24	>2000	16	<3	1.48	0.1	8	32	85	2.67	0.30	0.83	694	4	0.03	18	0.13	52	<2	2	35	<5	<3	181
88688	1.3	2.69	1655	12	<3	1.78	0.7	9	33	145	5.02	0.42	1.74	2631	5	0.02	29	0.12	295	<2	2	24	<5	<3	602
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

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 #: 890455 PA | BETHLEHEM | Proj: GIANT COPPER | Date In: 89/08/14 | Date Out:89/08/21 | Att: B KYKOCH | Page 1 of 4

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
89544	4.9	1.05	417	21	4	0.23	8.1	38	21	1481	>10.00	0.39	0.52	2553	9	0.07	46	0.15	75	<2	4	6	<5	<3	1260
89547	1.2	2.30	480	100	4	0.58	6.4	21	198	415	>10.00	0.41	1.92	4534	8	0.04	86	0.11	53	<2	3	32	<5	<3	881
89549	3.9	0.88	794	17	4	0.23	2.5	27	37	1488	>10.00	0.34	1.07	2820	14	0.06	41	0.09	41	<2	4	3	<5	<3	219
89556	6.0	3.86	92	9	8	0.21	25.8	26	615	950	>10.00	0.50	2.28	3681	11	0.06	168	0.04	305	<2	<2	4	<5	<3	3187
89564	36.4	4.87	196	67	7	0.81	9.3	47	320	17428	>10.00	0.01	3.12	3925	7	0.06	155	0.17	95	<2	5	18	<5	<3	821
89566	38.0	5.01	99	11	11	0.34	10.1	27	143	8920	>10.00	0.54	2.05	3507	10	0.06	94	0.16	256	<2	2	3	<5	<3	793
89567	28.4	4.12	86	16	6	0.23	5.5	16	134	7331	>10.00	0.43	1.65	3100	10	0.06	75	0.12	99	<2	<2	3	<5	<3	407
89572	10.7	3.56	69	35	6	0.39	8.6	23	49	2997	>10.00	0.41	1.90	5407	10	0.15	50	0.14	158	<2	3	5	<5	<3	920
89573	2.8	2.05	32	25	<3	0.45	2.8	16	66	917	5.22	0.22	1.08	1467	7	0.05	47	0.09	41	<2	2	12	<5	<3	358
89574	4.2	2.94	174	19	6	0.32	3.7	26	106	1742	>10.00	0.01	1.60	3345	10	0.04	83	0.09	44	<2	2	5	<5	<3	199
89575	5.0	2.15	119	47	5	0.55	4.4	20	163	1684	>10.00	0.42	1.72	3838	10	0.05	120	0.10	52	<2	3	15	<5	<3	374
89577	3.2	2.15	357	18	5	0.36	3.1	20	114	1236	>10.00	0.40	1.57	3320	17	0.06	68	0.13	39	<2	3	5	<5	<3	138
89578	3.9	3.16	140	26	5	0.44	3.7	20	106	1525	>10.00	0.43	1.71	3216	9	0.05	66	0.12	39	<2	2	17	<5	<3	239
89583	6.9	1.26	227	12	3	0.29	2.2	20	70	2074	8.38	0.30	1.06	2261	15	0.06	82	0.12	44	<2	3	3	<5	<3	216
89592	15.3	0.77	532	17	7	0.31	4.3	23	232	6836	>10.00	0.54	1.81	3887	14	0.04	157	0.10	36	<2	8	4	<5	<3	139
89595	3.0	0.75	1514	19	3	0.38	0.9	23	127	1773	8.36	0.31	1.11	2332	15	0.03	129	0.10	23	<2	3	5	<5	<3	165
89598	11.8	1.89	183	32	4	0.78	3.2	26	84	6259	>10.00	0.44	1.48	2794	10	0.03	65	0.17	33	<2	5	9	<5	<3	136
89599	0.9	0.41	219	10	3	0.36	2.1	16	67	434	8.92	0.01	1.05	2295	15	0.03	41	0.16	22	<2	3	2	<5	<3	111
89600	22.6	1.45	164	18	5	0.64	7.4	22	65	6960	>10.00	0.43	1.55	4207	9	0.05	64	0.14	95	<2	5	7	<5	<3	730
89602	15.8	0.73	138	21	4	0.47	3.8	24	87	5631	>10.00	0.01	1.35	3307	15	0.03	60	0.19	30	<2	6	6	<5	<3	245
89605	1.7	0.43	559	10	8	0.60	4.1	25	25	1012	>10.00	0.66	2.52	7796	36	0.03	58	0.15	41	<2	6	3	<5	<3	53
89606	1.8	0.38	940	9	9	0.87	3.7	23	32	1120	>10.00	0.70	2.59	7472	12	0.03	73	0.24	44	<2	6	4	<5	<3	97
89608	5.0	1.99	140	29	4	1.42	2.2	24	92	3495	8.89	0.48	1.72	1746	9	0.04	55	0.19	29	<2	4	20	<5	<3	100
89609	2.3	1.82	137	25	<3	1.07	1.3	19	76	1593	5.63	0.33	1.21	1211	10	0.03	38	0.15	25	<2	3	23	<5	<3	104
89610	3.3	1.48	>2000	28	<3	1.16	0.4	38	63	1114	5.92	0.35	1.43	1213	8	0.02	47	0.16	36	<2	2	21	<5	<3	129
89611	0.9	2.64	157	98	<3	1.58	1.1	15	254	461	4.84	0.38	1.82	1196	7	0.04	97	0.10	21	<2	2	59	<5	<3	106
89612	1.2	2.43	96	73	3	1.35	1.8	14	87	587	8.41	0.45	1.88	1571	9	0.04	39	0.11	30	<2	5	22	<5	<3	128
89618	8.0	1.50	1650	29	16	0.83	3.2	26	112	1125	9.81	0.42	1.18	2849	14	0.07	37	0.15	175	<2	4	11	<5	<3	295
89620	8.8	1.41	955	18	13	0.59	5.7	27	136	1727	9.63	0.38	1.44	2729	13	0.04	67	0.17	203	<2	4	7	<5	<3	503
89621	3.7	1.52	934	25	6	0.75	2.5	30	86	1475	>10.00	0.46	1.70	3041	14	0.05	66	0.17	52	<2	5	8	<5	<3	165
89623	3.7	1.45	488	36	5	0.77	3.3	26	115	1612	>10.00	0.46	1.69	3133	15	0.05	68	0.15	41	<2	4	13	<5	<3	237
89624	6.0	1.33	475	40	4	0.84	4.7	23	100	2139	9.32	0.41	1.55	3037	12	0.04	81	0.18	83	<2	3	22	<5	<3	410
89625	5.0	1.56	>2000	35	7	1.03	2.5	60	143	1081	>10.00	0.48	1.74	2402	10	0.04	147	0.11	124	<2	4	19	<5	<3	310
89626	11.2	1.89	>2000	21	10	0.43	0.3	27	47	2326	>10.00	0.38	1.54	2412	11	0.05	46	0.15	149	<2	4	6	<5	<3	243
89627	8.3	2.23	280	31	6	0.80	3.4	25	84	3509	>10.00	0.48	2.12	2610	11	0.04	70	0.17	60	<2	5	13	<5	<3	198
89628	6.6	1.16	971	23	7	0.49	2.5	28	96	1419	9.73	0.01	1.28	2469	12	0.05	58	0.15	111	<2	5	6	<5	<3	221
89630	13.9	0.91	>2000	23	9	0.56	0.1	25	59	2192	>10.00	0.40	1.28	2288	12	0.04	45	0.19	234	<2	5	7	<5	<3	201
89632	8.3	1.28	379	30	6	1.03	6.6	25	153	2814	>10.00	0.46	1.88	3032	16	0.05	85	0.18	110	<2	5	13	<5	<3	596
89633	6.9	1.46	305	27	4	0.95	8.6	20	95	2093	9.46	0.43	1.76	2871	13	0.10	74	0.22	69	<2	4	14	<5	<3	888
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1		.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1		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 | ***** = Fire assayed

REPORT #: 890455 PA BETHLEHEM Proj: GIANT COPPER Date In: 89/08/14 Date Out:89/08/21 Att: B KYWOCH

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
89634	4.7	2.43	223	55	4	1.10	5.9	19	159	1392	9.10	0.44	2.19	2493	12	0.05	73	0.16	83	<2	4	37	<5	<3	493
89635	8.5	1.82	595	19	8	0.80	6.3	23	167	1259	>10.00	0.45	2.19	3019	13	0.04	70	0.23	247	<2	4	10	<5	<3	545
89636	10.7	1.91	536	30	6	0.83	3.8	28	151	3951	>10.00	0.47	2.16	3131	13	0.04	91	0.22	55	<2	4	19	<5	<3	250
89637	4.8	2.47	313	29	5	1.00	3.2	25	161	1987	>10.00	0.45	2.39	2520	13	0.04	76	0.23	52	<2	4	13	<5	<3	181
89638	5.3	2.78	164	41	4	1.41	3.1	27	106	2678	9.13	0.49	2.26	2189	13	0.05	61	0.25	40	<2	6	20	<5	<3	209
89650	12.2	0.80	772	18	4	0.36	2.1	15	34	7056	>10.00	0.40	1.14	7278	76	0.08	53	0.16	33	<2	7	9	<5	<3	184
89653	12.7	1.63	721	11	4	0.30	4.1	13	36	5070	>10.00	0.40	1.10	11808	121	0.06	53	0.13	320	<2	6	3	<5	<3	476
89656	1.8	4.06	48	143	<3	1.45	1.9	20	196	1004	5.24	0.38	1.82	2792	66	0.17	94	0.07	48	<2	<2	77	<5	<3	691
89657	1.1	5.01	11	236	<3	1.78	1.1	20	465	515	3.63	0.38	2.66	1194	47	0.08	156	0.07	30	<2	<2	108	<5	<3	538
89658	1.6	5.30	18	271	3	1.51	2.3	18	520	266	5.65	0.40	2.81	1942	16	0.04	176	0.07	40	<2	<2	88	<5	<3	209
89659	5.6	3.50	511	40	<3	0.66	2.3	24	223	618	7.32	0.32	1.52	2567	222	0.23	74	0.08	40	<2	2	22	<5	<3	202
89660	1.1	1.61	38	23	<3	0.73	1.4	13	67	559	2.61	0.19	0.84	769	16	0.04	45	0.10	28	<2	2	18	<5	<3	256
89661	0.8	1.43	40	30	<3	1.29	1.1	20	59	355	1.84	0.25	0.58	635	7	0.03	49	0.09	31	<2	<2	30	<5	<3	170
89662	1.1	1.27	78	15	<3	0.41	1.6	29	59	724	2.62	0.14	0.63	703	13	0.04	65	0.08	41	<2	<2	12	<5	<3	181
89663	1.1	1.74	83	18	<3	0.70	1.8	27	48	701	3.38	0.20	0.89	798	14	0.07	67	0.09	33	<2	2	21	<5	<3	243
89664	0.8	3.71	86	35	<3	1.55	1.1	28	120	568	3.01	0.33	0.97	649	11	0.08	96	0.09	25	<2	<2	98	<5	<3	178
89665	0.8	1.92	47	19	<3	0.64	0.7	20	75	319	2.45	0.17	0.83	809	8	0.03	49	0.08	24	<2	3	33	<5	<3	143
89666	1.8	1.68	73	13	<3	0.74	0.3	34	30	1057	2.39	0.18	0.74	533	6	0.04	45	0.15	20	<2	3	36	<5	<3	101
89667	1.1	1.63	94	15	<3	0.68	0.5	37	35	609	2.26	0.17	0.72	559	5	0.03	41	0.14	20	<2	3	41	<5	<3	116
89668	1.1	2.22	51	47	<3	0.82	1.1	19	97	403	2.78	0.21	1.08	903	14	0.05	57	0.11	25	<2	2	40	<5	<3	172
89673	1.3	2.31	152	35	<3	1.41	1.6	27	36	370	2.92	0.30	1.06	1166	12	0.04	37	0.13	32	<2	2	45	<5	<3	203
89674	0.8	2.24	76	37	<3	1.59	1.1	18	31	150	1.99	0.30	0.92	833	10	0.04	20	0.11	35	<2	2	58	<5	<3	197
89689	6.4	2.99	824	53	3	0.14	2.9	13	31	329	5.07	0.18	0.03	1768	10	0.02	14	0.06	264	<2	<2	23	<5	<3	295
89690	0.2	2.51	91	31	<3	0.09	2.8	6	42	198	4.22	0.14	0.90	1329	6	0.01	8	0.05	79	<2	<2	8	<5	<3	241
89691	1.5	2.32	148	25	<3	0.11	3.2	5	38	240	4.48	0.15	0.73	1439	6	0.01	8	0.05	111	<2	<2	11	<5	<3	309
89692	5.3	2.28	481	10	3	0.10	3.7	5	24	467	5.62	0.18	0.59	1628	11	0.01	8	0.05	245	<2	<2	9	<5	<3	1665
89693	1.3	1.85	100	22	<3	0.09	3.5	4	34	491	3.98	0.13	0.44	1296	14	0.01	7	0.05	98	<2	<2	9	<5	<3	717
89694	1.1	1.95	144	20	<3	0.11	5.4	5	23	666	4.04	0.14	0.58	2147	8	0.01	7	0.06	99	<2	<2	9	<5	<3	723
89695	4.8	1.28	911	15	<3	0.09	9.1	4	27	392	3.02	0.10	0.32	1179	15	0.01	4	0.05	706	<2	<2	6	<5	<3	753
89696	10.6	1.80	1376	19	3	0.13	3.8	7	22	873	4.18	0.14	0.51	886	10	0.01	5	0.09	344	<2	<2	6	<5	<3	876
89697	1.8	1.88	386	19	<3	0.10	6.1	6	39	1459	3.19	0.11	0.72	1619	7	0.01	7	0.06	179	<2	<2	6	<5	<3	746
89698	3.7	1.62	696	18	<3	0.07	3.1	5	20	1105	4.92	0.16	0.43	1636	10	0.01	5	0.06	170	<2	<2	5	<5	<3	470
89699	3.6	2.01	616	21	<3	0.10	7.1	8	33	1073	3.38	0.12	0.65	2304	9	0.01	6	0.06	322	<2	2	6	<5	<3	758
89700	20.6	1.75	>2000	26	5	0.08	10.1	11	25	753	4.15	0.14	0.54	3027	12	0.01	8	0.07	2788	<2	<2	5	<5	<3	1065
89701	1.3	1.20	646	18	<3	0.06	3.4	5	35	263	4.27	0.13	0.35	689	8	0.01	6	0.06	260	<2	5	3	<5	<3	954
89702	4.3	1.36	709	15	<3	0.06	3.3	5	22	229	4.61	0.15	0.49	777	6	0.01	6	0.06	1023	<2	<2	2	<5	<3	1182
89703	23.4	0.52	>2000	11	<3	0.12	1.8	13	57	2165	6.31	0.22	0.49	4837	11	0.01	12	0.05	805	<2	3	1	<5	<3	805
89704	9.1	0.49	1144	11	<3	0.13	5.5	7	27	680	6.90	0.24	0.58	4741	12	0.01	10	0.05	419	<2	3	2	<5	<3	1018
89705	8.6	0.54	552	11	<3	0.15	7.9	7	39	919	6.03	0.21	0.70	3827	13	0.01	9	0.05	518	<2	2	1	<5	<3	1137
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 #: 890455 PA | BETHLEHEM | Proj: GIANT COPPER | Date In: 89/08/14 | Date Out:89/08/21 | Att: B KYNOCH |

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
89706	13.4	0.39	1729	9	<3	0.17	8.8	12	25	1302	6.54	0.23	0.84	3314	13	0.01	15	0.05	584	<2	2	2	<5	<3	1299
89707	36.2	0.56	>2000	12	<3	0.14	0.6	19	41	3312	7.04	0.24	0.84	3415	10	0.01	16	0.06	444	<2	2	2	<5	<3	933
89708	>50.0	0.38	>2000	9	3	0.15	0.1	25	21	2367	7.98	0.27	0.87	4069	15	0.01	15	0.05	13487	<2	2	2	<5	<3	572
89709	18.8	0.50	>2000	11	3	0.17	2.1	16	35	1368	7.43	0.26	0.98	3843	11	0.01	17	0.05	1875	<2	3	2	<5	<3	749
89710	6.9	1.19	1350	32	<3	0.50	5.3	12	34	477	4.31	0.21	0.77	1770	11	0.01	19	0.07	688	<2	<2	9	<5	<3	811
89711	3.2	1.68	994	47	<3	0.64	4.7	18	36	301	3.88	0.21	0.89	1259	7	0.02	14	0.06	348	<2	<2	14	<5	<3	680
89712	3.2	1.50	664	23	<3	0.89	3.1	18	35	392	4.09	0.25	0.82	1234	13	0.02	17	0.06	376	<2	<2	17	<5	<3	518
89713	1.9	1.46	331	39	<3	0.90	2.2	17	55	317	3.52	0.24	0.99	934	12	0.02	23	0.07	230	<2	<2	17	<5	<3	297
89714	4.7	1.41	839	40	<3	0.61	4.8	19	46	504	3.74	0.20	0.83	807	17	0.02	37	0.08	318	<2	2	13	<5	<3	667
89715	3.2	1.43	1092	32	<3	0.74	3.7	22	33	420	3.86	0.23	0.82	1255	16	0.02	46	0.08	394	<2	<2	13	<5	<3	565
89716	5.9	1.47	>2000	12	<3	0.31	8.5	33	32	570	3.60	0.15	0.69	976	15	0.01	20	0.07	654	<2	<2	7	<5	<3	1629
89717	8.9	1.71	>2000	21	<3	0.35	24.3	14	40	280	3.75	0.16	0.85	1031	13	0.01	21	0.06	2652	<2	<2	7	<5	<3	3588
89718	12.4	1.65	>2000	29	<3	0.23	32.5	12	32	424	3.62	0.14	0.85	1217	16	0.01	22	0.07	3815	<2	<2	6	<5	<3	3094
89719	6.4	1.19	1255	25	<3	0.13	10.8	11	34	718	3.25	0.12	0.56	1202	9	0.01	21	0.06	1129	<2	<2	4	<5	<3	1104
89720	2.2	1.44	789	32	<3	0.15	7.1	12	42	493	2.88	0.11	0.93	749	7	0.01	22	0.07	416	<2	<2	4	<5	<3	1133
89721	1.6	1.66	421	26	<3	0.14	6.3	11	35	400	3.33	0.12	0.90	845	7	0.01	28	0.07	259	<2	<2	5	<5	<3	706
89722	0.8	1.87	493	21	<3	0.19	5.1	14	46	578	3.81	0.14	0.96	1122	8	0.01	20	0.08	166	<2	<2	6	<5	<3	862
89723	1.9	2.03	472	25	<3	0.48	3.5	14	33	247	4.58	0.21	1.12	1195	11	0.02	35	0.12	273	<2	<2	9	<5	<3	510
89724	8.9	1.57	631	34	<3	0.84	2.4	11	40	191	3.34	0.22	0.85	1143	41	0.01	33	0.08	591	<2	<2	10	<5	<3	798
89725	4.1	1.34	275	50	<3	0.53	5.7	14	52	202	3.48	0.18	1.08	609	11	0.01	52	0.04	494	<2	2	8	<5	<3	673
89726	1.6	1.44	178	98	<3	0.33	1.4	21	36	220	3.94	0.17	1.33	352	12	0.02	31	0.09	205	<2	6	9	<5	<3	151
89727	1.7	1.33	171	79	<3	0.41	2.1	20	41	244	3.76	0.17	1.15	444	11	0.02	60	0.07	195	<2	5	9	<5	<3	249
89728	1.3	1.27	104	63	<3	0.57	1.9	19	49	203	4.07	0.21	0.94	466	6	0.02	27	0.12	124	<2	5	13	<5	<3	468
89729	1.1	1.08	68	21	<3	0.49	2.6	12	50	142	2.89	0.16	0.78	524	8	0.01	22	0.07	150	<2	2	9	<5	<3	379
89730	1.1	1.16	38	23	<3	0.44	1.2	13	54	147	2.65	0.14	0.90	346	17	0.02	33	0.09	67	<2	3	13	<5	<3	167
89731	1.1	1.28	69	20	<3	0.43	1.1	15	49	177	3.37	0.16	0.99	342	9	0.02	35	0.08	88	<2	4	10	<5	<3	115
89732	11.8	1.98	1474	56	<3	0.39	1.2	15	37	877	3.90	0.18	0.75	1187	8	0.02	18	0.06	2068	<2	<2	37	<5	<3	719
89733	4.3	2.13	313	66	<3	0.37	1.2	12	41	330	2.61	0.13	0.63	544	6	0.02	22	0.06	384	<2	<2	41	<5	<3	412
89734	1.9	2.09	164	52	<3	0.40	0.9	11	56	163	2.29	0.13	0.62	459	7	0.02	24	0.06	171	<2	<2	45	<5	<3	598
89735	2.2	2.33	230	55	<3	0.44	1.2	12	48	227	2.63	0.14	0.65	519	8	0.02	33	0.07	236	<2	<2	52	<5	<3	376
89736	2.2	2.04	216	52	<3	0.37	1.1	11	39	208	2.39	0.13	0.58	473	7	0.02	26	0.06	215	<2	<2	46	<5	<3	418
89737	2.7	2.10	289	53	<3	0.36	1.1	11	39	267	2.59	0.13	0.63	479	5	0.02	20	0.07	342	<2	<2	42	<5	<3	812
89738	0.7	2.31	57	39	<3	0.68	0.3	12	49	54	0.84	0.15	0.41	343	3	0.02	6	0.06	121	<2	<2	292	<5	<3	212
89739	0.8	2.50	64	39	<3	0.85	0.8	8	32	44	0.79	0.16	0.37	335	1	0.03	4	0.06	155	<2	<2	207	<5	<3	228
89740	2.3	2.17	134	29	<3	0.75	3.3	7	32	70	1.65	0.17	0.46	831	3	0.02	5	0.05	450	<2	<2	136	<5	<3	873
89741	0.1	1.46	39	19	<3	1.10	0.5	3	32	28	2.23	0.23	0.91	971	2	0.01	8	0.05	64	<2	<2	23	<5	<3	137
89742	0.4	1.64	64	19	<3	0.88	1.2	4	38	42	2.71	0.21	0.85	1039	3	0.01	14	0.05	136	<2	<2	23	<5	<3	272
89743	2.3	1.37	228	18	<3	0.57	4.1	4	48	55	2.40	0.16	0.65	1217	9	0.01	28	0.05	889	<2	<2	17	<5	<3	497
89744	1.1	1.19	201	14	<3	0.32	3.3	7	39	75	2.36	0.12	0.57	1170	5	0.01	10	0.05	240	<2	<2	10	<5	<3	814
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

[redacted] 3 Tr[redacted] eet [redacted] [redacted] 1K[redacted]
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: [signature]

REPORT #: 890248 PA | BETHLEHEM | Proj: GIANT COPPER | Date In: 89/07/20 | Date Out:89/07/24 | Att: P MCANDLLES | Page 1 of 1

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
13788	>50.0	0.38	513	9	6	0.08	89.9	9	53	5816	5.05	0.19	0.21	5249	14	0.01	32	0.05	>20000	363	3	3	<5	<3	7281
13789	>50.0	0.24	>2000	5	35	0.05	818.5	40	61	>20000	7.04	0.24	0.13	3156	25	0.01	30	0.07	>20000	>2000	14	1	<5	890	>20000
13790	>50.0	0.22	>2000	6	19	0.18	>1000.0	24	67	18579	6.13	0.23	0.12	3187	29	0.01	36	0.06	>20000	>2000	11	2	<5	>1000	>20000
13791	>50.0	0.33	>2000	8	14	0.11	526.3	13	52	5895	7.05	0.28	0.31	10416	26	0.01	18	0.05	>20000	1466	17	1	<5	614	>20000
13792	>50.0	0.27	>2000	7	11	0.12	218.3	12	50	7566	7.63	0.29	0.42	8591	16	0.01	34	0.06	17462	394	7	1	<5	543	>20000
13793	>50.0	0.25	>2000	5	15	0.11	643.8	20	55	9380	8.36	0.32	0.47	9584	23	0.01	21	0.06	9123	170	8	1	<5	>1000	>20000
13794	>50.0	0.49	739	18	12	0.17	225.5	23	85	7487	9.98	0.37	0.83	6190	17	0.01	93	0.07	4895	92	8	2	<5	343	>20000
13795	48.8	0.74	451	47	5	0.20	51.6	16	66	3135	7.96	0.30	0.92	5251	10	0.01	61	0.07	2759	<2	6	4	<5	40	5674
13796	>50.0	0.34	1762	9	7	0.17	68.9	16	36	11979	7.38	0.28	0.58	4820	12	0.01	23	0.08	4676	57	7	1	<5	<3	7400
13797	>50.0	0.30	>2000	8	5	0.17	10.9	20	57	5770	8.16	0.31	0.72	6018	14	0.01	36	0.06	1606	<2	6	1	<5	<3	2161
13798	23.2	0.31	>2000	8	5	0.18	0.1	23	33	2027	9.11	0.34	0.93	5885	14	0.01	31	0.06	431	<2	5	1	<5	<3	652
13799	24.6	0.33	>2000	9	5	0.15	0.1	94	30	2340	8.50	0.31	0.87	3690	15	0.01	19	0.05	451	<2	4	1	<5	<3	703
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

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REPORT NUMBER: 890364 GA JOB NUMBER: 890364 BETHLEHEM RESOURCES

GCR-89-7

SAMPLE #	Mo	Cu	Pb	Zn	Ag	Au	As
	ppm	ppm	ppm	ppm	ppm	ppb	ppm
88036	9	959	411	755	11.2	150	1575
88037	15	148	162	388	3.2	140	140
88038	14	133	849	1607	3.7	140	188
88039	9	926	760	1651	11.2	200	2845
88040	10	999	274	896	8.3	110	1096
88041	11	1393	269	494	13.8	120	1378
88042	6	222	443	1420	3.5	90	558
88043	8	651	423	801	8.8	120	1232
88044	8	537	251	320	5.7	110	2352
88045	7	827	217	332	9.2	70	347
88046	7	975	300	209	16.4	100	855
88047	13	571	169	301	9.0	40	800
88048	7	588	210	406	8.6	40	684
88049	11	740	208	372	9.6	70	471
88050	9	837	173	187	11.4	90	304
88051	11	770	285	450	10.4	60	525
88052	14	828	405	741	9.4	70	512
88053	9	428	190	311	5.1	50	471
88054	9	1136	329	502	16.1	50	162
88055	11	726	298	585	10.0	50	577
88056	9	952	301	459	27.4	220	906
88057	7	360	426	2415	12.7	270	4440
88058	13	281	2163	2064	15.3	220	3502
88059	11	469	9085	3098	24.8	400	6195
88060	5	252	3048	4199	13.7	900	8933
88061	21	571	550	756	16.3	90	563
88062	5	90	293	431	2.3	10	85
88063	10	376	1238	1288	7.3	240	1621
88064	6	233	991	649	5.6	60	792
88065	8	311	1287	1023	7.6	60	813
88066	10	235	1164	1148	6.1	100	1092
88067	25	120	180	352	1.8	nd	312
88068	11	41	79	112	.5	60	53
88069	3	19	48	112	.2	20	46
88070	4	51	69	203	.6	10	41
88071	5	296	115	318	2.6	20	185
88072	6	264	116	184	3.2	50	64
88073	4	375	145	277	3.3	30	89
88074	4	497	219	243	5.6	20	354
DETECTION LIMIT	1	1	2	1	0.1	5	2

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REPORT NUMBER: 890364 GA JOB NUMBER: 890364 BETHLEHEM RESOURCES

SAMPLE #	Mo	Cu	Pb	Zn	Ag	Au	As
	ppm	ppm	ppm	ppm	ppm	ppb	ppm
88075	8	360	273	444	2.7	40	251
88076	4	2496	530	832	18.0	60	676
88077	5	12990	395	462	100.8	920	9075
88078	6	5988	1283	3123	51.0	140	670
88079	19	1285	358	579	11.8	400	11209
88080	8	706	117	469	3.9	50	1503
88081	8	533	78	414	2.0	40	578
88082	12	3211	1071	995	35.4	200	15586
88083	6	1096	386	532	17.5	60	3063
88084	6	555	174	506	7.0	nd	696
88085	7	504	125	474	5.7	nd	725
88086	10	633	26	596	1.5	nd	457
88087	11	285	39	476	.7	nd	497
88088	13	1066	160	500	5.5	nd	472
88089	16	226	151	531	1.7	nd	184
88090	9	208	413	1076	2.4	nd	396
88091	6	275	83	635	1.7	nd	354
88092	4	180	78	548	.6	nd	239
88093	4	257	165	573	1.4	nd	357
88094	6	244	207	596	4.4	600	23160
88095	4	61	71	285	.9	20	260
88096	3	114	88	387	1.6	20	200
88097	3	178	193	302	4.5	50	142
88098	3	84	73	246	1.1	10	104
88099	4	576	231	394	9.6	60	478
88100	3	212	105	292	2.8	30	171
88101	3	64	107	224	2.4	30	136
88102	3	112	88	220	.8	30	162
88103	5	615	284	268	7.7	70	349
88104	7	523	296	317	5.8	170	426
88105	4	115	140	344	1.9	50	208
88106	4	210	530	642	4.6	50	213
88107	5	673	262	322	9.7	700	3240
88108	19	1206	370	584	14.5	170	2843
88109	16	3934	126	285	29.1	360	9462
88110	17	1602	908	556	17.6	160	4152
88111	15	1036	680	685	11.7	60	1124
88112	19	430	1040	1135	4.7	50	1283
88113	15	639	726	665	9.7	70	3538
DETECTION LIMIT	1	1	2	1	0.1	5	2

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GCR-89-9

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SAMPLE #	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb	As ppm
88114	12	610	433	676	5.4	30	1047
88115	14	342	151	517	2.2	nd	466
88116	32	680	249	667	6.1	120	3596
88117	21	638	135	511	4.7	50	668
88118	10	302	56	394	1.0	40	205
88119	6	331	36	229	1.2	10	179
88120	11	361	1074	969	5.4	380	9388
88121	12	543	385	403	4.0	160	2136
88122	7	330	193	293	2.4	120	1522
88123	5	234	179	237	1.3	60	650
88124	5	165	52	169	.6	30	235
88125	4	129	65	377	.4	nd	183
88126	5	250	90	401	1.3	nd	332
88127	7	908	282	814	5.7	30	2381
88128	4	279	125	423	1.9	10	469
88129	9	296	403	721	3.6	30	878
88130	5	217	115	494	1.9	nd	538
88131	4	152	97	363	1.0	10	365
88132	4	250	212	426	2.6	30	574
88133	5	269	241	391	3.1	60	723
88134	5	283	296	404	4.1	50	727
88135	5	311	141	400	2.6	nd	662
88136	4	238	102	373	1.9	20	420
88137	5	280	39	654	.9	nd	464
88138	6	217	71	568	1.0	40	359
88139	4	156	35	472	1.2	30	192
88140	5	187	39	242	.9	30	519
88141	3	44	34	197	.3	nd	53
88142	3	56	27	249	.3	30	42
88143	4	44	43	611	.4	10	65
88144	3	105	117	193	.9	20	132
88145	4	33	527	808	1.8	20	81
88146	8	66	98	257	.7	nd	137
88147	9	37	33	174	.2	50	514
88148	5	28	26	96	.1	20	37
88149	7	151	122	338	.7	nd	163
88150	6	84	76	364	.4	nd	38
89097	14	1031	1692	728	29.4	80	2150
89098	27	822	956	1048	11.3	80	1696
DETECTION LIMIT	1	1	2	1	0.1	5	2

[illegible] = not analyzed [illegible] = insufficient sample

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SAMPLE #	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb	As ppm
89099	21	411	303	459	4.1	50	1049
89100	16	380	176	335	2.6	30	750
89101	10	839	144	333	6.2	60	752
89102	14	1251	220	596	7.7	80	1543
89103	12	751	249	429	6.5	70	3061
89104	14	2558	505	359	22.9	200	2545
89105	19	1690	483	611	20.5	1120	30253
89106	12	891	271	670	8.0	80	977
89107	12	1290	1033	1890	29.2	400	5254
89108	7	366	728	1583	8.0	220	4788
89109	11	907	236	1118	9.6	80	1216
89110	14	1455	272	3825	15.6	120	1034
89111	14	4477	462	4225	62.9	170	1852
89112	16	1674	508	2133	18.2	100	1502
89113	10	822	392	757	7.7	160	3049
89114	15	331	372	572	4.8	120	1346
89115	12	736	537	799	8.6	70	729
89116	12	1022	472	509	16.0	120	2036
89117	31	816	374	636	10.7	70	1455
89118	12	1421	396	411	15.3	60	1653
89119	10	848	381	598	10.4	100	1008
89120	11	948	346	522	10.7	180	1648
89121	9	916	501	569	13.3	210	1810
89122	12	1523	863	1269	19.7	100	633
89123	17	1236	675	868	11.6	250	2987
89124	12	703	1137	1283	12.0	110	974
89125	10	1063	259	877	8.9	70	481
89126	15	1043	362	869	9.2	50	417
89127	11	758	561	823	10.4	50	1399
89128	12	1626	1323	1308	19.3	90	3158
89129	12	356	576	797	3.9	60	1243
89130	6	389	1008	1712	9.2	30	506
89131	22	1063	774	1195	15.5	30	472
89132	14	959	775	1283	13.6	70	1577
89133	14	774	631	1028	9.3	30	793
89134	22	1051	637	765	12.5	40	1088
89135	21	722	603	691	8.6	70	847
89136	23	821	513	739	9.4	20	1078
89137	16	705	382	629	8.6	50	1191
DETECTION LIMIT	1	1	2	1	0.1	5	2

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REPORT NUMBER: 890364 GA JOB NUMBER: 890364 BETHLEHEM RESOURCES

SAMPLE #	Mo	Cu	Pb	Zn	Ag	Au	As
	ppm	ppm	ppm	ppm	ppm	ppb	ppm
89138	13	828	637	738	10.7	10	634
89139	20	1104	560	1144	13.8	70	922
89140	12	1105	421	1082	12.8	30	307
89141	12	995	487	542	11.2	40	916
89142	14	988	909	1424	23.3	100	862
89143	13	1288	703	704	14.9	70	758
89144	16	1415	738	1176	21.9	110	1183
89145	15	1582	1249	2443	18.2	50	684
89146	17	1079	722	1149	15.8	80	1457
89147	14	1278	620	1236	12.6	100	2090
89148	13	1055	2005	1945	15.2	140	3281
89149	14	1393	931	849	19.1	100	5664
89150	12	834	893	863	9.7	130	4051

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DETECTION LIMIT	1	1	2	1	0.1	5	2

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

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REPORT NUMBER: 890390 GA JOB NUMBER: 890390 BETHLEHEM RESOURCES

SAMPLE #	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb	As ppm
88151	5	127	50	202	1.2	nd	84
88152	5	110	121	244	2.2	nd	145
88153	4	157	153	1217	1.7	20	133
88154	1	44	52	285	.5	10	36
88155	2	32	183	567	.7	nd	67
88156	1	33	36	522	.1	10	50
88157	2	36	34	252	.1	nd	31
88158	1	27	24	190	.1	10	26
88159	1	47	83	382	.8	nd	58
88160	1	43	68	346	1.2	nd	229
88161	5	86	160	203	5.2	nd	279
88162	4	670	248	401	6.3	50	564
88163	9	443	569	959	6.2	30	831
88164	10	1299	184	733	15.4	260	5801
88165	14	1549	579	1339	17.8	50	1446
88166	15	952	826	1500	15.0	2030	2819
88167	22	1187	642	1463	17.4	50	1584
88168	20	1279	510	1349	14.3	50	939
88169	14	883	663	1677	10.5	30	673
88170	13	1281	524	629	16.1	80	2360
88171	11	1148	329	2034	13.2	80	2077
88172	9	1001	197	685	12.9	90	2397
88173	10	1415	414	1021	14.6	40	1596
88174	9	687	195	479	12.6	70	2799
88175	10	789	887	1862	12.3	90	2480
88176	12	1194	457	649	14.8	170	3845
88177	10	699	474	764	9.4	110	2903
88178	11	962	185	387	12.0	340	14368
88179	10	1390	406	340	16.9	40	1917
88180	12	1269	379	287	15.8	150	4743
88181	9	917	547	360	14.8	140	5960
88182	11	1117	1883	462	25.7	240	9125
88183	19	457	721	1232	10.7	110	2262
88184	20	376	213	691	3.8	40	633
88185	10	917	215	328	8.7	100	2097
88186	7	409	98	305	3.6	40	522
88187	9	258	65	337	2.1	30	128
88188	9	189	124	380	2.3	30	592
88189	9	223	65	355	1.4	20	381
DETECTION LIMIT	1	1	2	1	0.1	5	2

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

GCR-89-10

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SAMPLE #	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb	As ppm
88190	10	224	96	424	2.2	70	1513
88191	9	816	44	206	3.2	40	1166
88192	9	330	126	479	3.1	30	505
88193	7	558	792	949	9.4	190	7829
88194	5	350	526	698	6.5	50	1687
88195	7	116	152	387	1.5	110	116
88196	10	209	115	581	3.4	60	952
88197	7	66	123	526	2.1	40	183
88198	3	65	53	446	1.4	30	98
88199	5	94	84	351	1.1	nd	173
88200	5	103	169	459	1.6	nd	171
88201	2	47	365	347	7.8	nd	98
88202	4	161	61	218	2.2	nd	231
88203	4	98	69	248	2.1	20	146
88204	6	145	140	648	2.6	nd	448
88205	5	206	127	293	2.7	10	217
88206	6	281	323	627	3.8	10	306
88207	8	212	105	302	2.7	30	241
88208	10	393	124	510	4.4	10	642
88209	5	103	46	141	1.4	10	61
88210	13	87	48	120	1.1	nd	38
88211	18	80	160	396	1.9	10	94
88212	5	126	61	164	1.5	10	62
88213	14	88	65	188	1.6	30	83
88214	6	75	202	569	1.4	10	834
88215	7	87	107	386	1.3	nd	265
88216	5	267	82	471	2.6	20	428
88217	5	155	55	277	2.1	10	302
88218	4	45	52	643	1.3	nd	79
88219	3	66	53	450	1.2	nd	117
88220	4	41	154	483	1.4	20	85
88221	7	152	165	619	2.1	20	284
88222	6	85	148	753	2.4	10	247
88223	3	63	78	531	.9	20	113
88224	7	90	134	519	2.5	10	280
88225	2	50	117	368	1.5	10	131
88226	3	37	74	500	1.3	nd	63
88227	4	63	99	274	1.3	10	30
88228	2	27	78	194	1.3	nd	24
DETECTION LIMIT	1	1	2	1	0.1	5	2

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

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GCR-89-11

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: 890390 GA JOB NUMBER: 890390 BETHLEHEM RESOURCES

GC12-89-11

SAMPLE #	Mo	Cu	Pb	Zn	Ag	Au	As
	ppm	ppm	ppm	ppm	ppm	ppb	ppm
88229	3	23	163	235	2.4	10	250
88230	3	569	133	340	5.9	40	879
88231	2	73	112	379	1.4	10	98
88232	2	28	91	236	1.2	40	150
88233	2	51	68	245	.7	10	134
88234	3	54	137	361	1.4	20	147
88235	3	58	62	271	.5	10	71
88236	4	63	47	296	.7	nd	136
88237	4	42	45	219	.7	10	86
88238	6	75	58	345	.4	10	167
88239	8	211	61	245	1.2	60	199
88240	4	119	44	226	.8	60	111
88241	3	127	82	358	.8	10	92
88242	8	78	347	760	2.5	20	261
88243	4	63	88	237	.7	20	103
88244	3	87	56	172	.7	20	85
88245	4	187	73	172	2.1	110	272
88246	4	225	58	234	1.6	70	194
88247	8	164	55	273	.8	70	234
DETECTION LIMIT	1	1	2	1	0.1	5	2

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

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REPORT NUMBER: 890401 GA JOB NUMBER: 890401 BETHLEHEM RESOURCES

SAMPLE #	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb	As ppm
88248	15	129	63	169	1.7	110	165
88249	5	109	55	209	1.0	40	124
88250	4	255	61	192	1.6	150	270
88251	4	154	147	263	1.9	30	212
88252	5	109	104	537	1.2	40	134
88253	3	62	38	262	.2	20	86
88254	5	172	40	186	.7	30	237
88255	5	171	60	205	1.4	10	684
88256	4	59	35	486	.3	30	168
88257	3	84	36	252	.4	30	334
88258	3	110	55	211	.6	30	707
88259	3	138	48	175	.6	20	130
88260	3	33	39	359	.4	20	52
88261	4	33	32	179	.3	30	64
88262	12	68	304	272	5.2	30	290
88263	7	33	32	210	.1	10	167
88264	11	127	258	566	2.1	30	922
88265	19	203	263	430	1.4	90	1592
88266	9	164	46	254	.5	70	504
88267	4	110	69	211	.8	140	260
88268	27	343	167	1242	2.3	60	1373
88269	4	53	67	233	1.1	30	183
88270	4	60	74	259	.9	20	94
88271	4	58	45	212	.5	20	73
88272	6	93	74	276	1.2	10	168
88273	4	96	80	261	1.2	40	332
88274	6	37	54	306	.6	nd	71
88275	13	1351	51	357	6.4	110	4588
88276	12	426	40	272	.6	20	752
88277	5	195	36	165	.8	nd	408
88278	5	338	36	229	1.2	20	349
88279	13	705	61	397	2.0	30	397
88280	21	1504	75	274	4.5	230	855
88281	7	611	43	172	2.3	30	1989
88282	4	274	38	135	1.5	nd	1037
88283	4	240	38	213	1.6	nd	273
88284	10	417	27	105	1.6	20	134
88285	18	585	45	152	2.0	40	602
88286	13	636	45	157	2.5	30	648
DETECTION LIMIT	1	1	2	1	0.1	5	2

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

GCR 89-12

GCR 89-13

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SAMPLE #	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb	As ppm
88287	630	2679	57	234	10.5	30	1207
88288	122	4838	71	156	19.1	120	8759
88289	108	2221	30	51	7.5	280	15119
88290	14	2392	36	66	7.2	220	13534
88291	20	2308	29	256	7.4	190	11970
88292	175	10325	95	381	37.9	180	5428
88293	24	9347	147	698	25.5	190	359
88294	18	11396	193	721	37.3	480	151
88295	25	3466	92	426	14.0	90	573
88296	21	2479	140	601	10.9	60	108
88297	123	2911	110	544	13.2	20	225
88298	55	2256	119	604	7.6	40	168
88299	18	694	43	248	3.2	20	94
88300	5	418	39	264	2.8	40	140
88301	42	2509	97	440	8.7	40	273
88302	84	4603	167	642	15.3	60	364
88303	86	4507	138	712	14.2	100	284
88304	50	6335	52	180	19.8	80	1080
88305	40	8647	46	160	24.1	70	1450
88306	22	4071	47	200	12.2	20	188
88307	49	7730	56	353	21.9	30	171
88308	7	1214	47	218	4.6	20	88
88309	23	3021	47	190	9.7	20	166
88310	20	5267	38	102	15.0	60	2013
88311	20	4148	27	101	11.8	130	1179
88312	61	10461	38	136	28.9	380	2917
88313	32	2292	24	46	6.9	60	1074
88314	17	1528	22	40	5.3	110	1411
88315	14	894	44	114	3.5	70	694
88316	9	689	68	226	3.1	70	380
88317	9	806	57	157	2.9	100	290
88318	5	733	58	134	2.6	140	202
88319	15	424	31	306	1.6	10	68
88320	16	918	33	142	2.7	40	47
88321	22	733	61	256	2.7	30	59
88322	7	1049	64	344	2.5	20	320
88323	5	368	43	147	1.6	10	312
88324	8	148	38	138	.7	10	383
88325	20	26	39	53	.6	nd	352
DETECTION LIMIT	1	1	2	1	0.1	5	2

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

GCR 89 13

GCR 89 14

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REPORT NUMBER: 890401 GA JOB NUMBER: 890401 BETHLEHEM RESOURCES

SAMPLE #	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb	As ppm
88326	112	135	34	315	.8	10	325
88327	63	3222	27	82	6.9	20	484
88328	97	4890	35	65	11.6	50	251
88329	32	18681	37	139	40.9	210	189
88330	62	1901	37	330	4.5	20	255
88331	142	653	33	82	2.0	20	240
88332	296	1562	34	90	4.2	40	391
88333	16	715	38	169	2.0	40	101
88334	13	227	48	340	1.2	20	164
88335	5	245	40	132	1.2	30	90
88336	6	396	47	122	1.3	nd	81
88337	7	569	80	408	1.6	10	96
88338	9	669	56	448	1.9	40	433
88339	8	593	39	186	1.4	30	757
88340	6	305	39	191	.7	10	180
88341	5	520	55	180	1.4	10	204
88342	6	364	60	498	1.5	nd	113
88343	5	313	37	158	1.1	20	48
88344	6	409	93	209	1.4	20	484
88345	5	664	77	290	2.0	60	427
88346	6	155	56	388	1.0	20	134
88347	10	140	49	258	.8	30	87
88348	7	280	59	357	1.2	nd	86
88349	7	282	48	221	1.2	nd	81
88350	6	77	38	543	.6	nd	72
88351	9	160	43	209	.7	nd	113
88352	9	193	55	351	1.2	nd	104
88353	5	191	41	86	1.2	nd	70
88354	12	405	46	417	1.4	nd	265
88355	13	364	65	849	1.3	10	225
88356	9	288	64	550	1.2	20	111
88357	7	397	51	325	1.5	40	136
88358	6	732	52	414	2.5	80	146
88359	9	581	91	707	1.9	nd	124
88360	9	537	93	787	2.1	nd	136
88361	4	253	61	365	.8	nd	70
88362	8	447	120	1156	1.0	nd	126
88363	9	882	57	176	2.7	nd	187
88364	7	341	116	359	1.3	20	179
DETECTION LIMIT	1	1	2	1	0.1	5	2

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

G CR 89-14

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REPORT NUMBER: 890401 GA JOB NUMBER: 890401 BETHLEHEM RESOURCES

SAMPLE #	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb	As ppm
88365	7	326	64	221	1.2	nd	154
88366	5	483	54	133	1.5	nd	136
88367	5	370	49	111	1.3	nd	119
88368	5	369	50	112	1.2	60	102
88369	6	326	47	209	.8	90	112
88370	5	218	48	151	.9	30	78
88371	6	262	58	154	1.0	70	111
88372	7	459	48	103	1.2	40	108
88373	7	600	53	157	1.7	90	142
88374	6	434	48	99	1.2	60	111
88375	5	530	33	84	.7	10	50
88376	5	376	40	123	.7	50	74
88377	6	292	44	140	.6	20	76
88378	5	433	47	124	.6	110	92
88379	6	543	47	149	.8	110	97
88380	4	208	41	116	.8	70	51
88381	4	215	44	166	1.0	60	56
88382	6	252	46	118	.8	50	73
88383	8	193	57	97	.7	90	111
88384	5	102	180	583	.6	40	60
88385	7	102	153	438	.5	70	81
88386	5	288	82	585	1.1	70	70
88387	7	173	51	172	.6	10	91
88388	7	334	52	137	1.1	20	106
88389	40	719	40	286	2.5	50	469
88390	14	404	38	110	1.0	50	456
88391	8	861	34	88	2.4	30	246
88392	15	931	34	58	3.3	60	373

DETECTION LIMIT	1	1	2	1	0.1	5	2

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

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REPORT NUMBER: 890407 GA JOB NUMBER: 890407 BETHLEHEM RESOURCES

SAMPLE #	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb	As ppm
88393	12	8487	44	318	23.8	nd	553
88394	10	7566	38	193	24.7	nd	130
88395	12	6071	37	117	18.6	20	157
88396	10	2013	36	74	6.8	nd	223
88397	11	3653	30	160	10.0	30	228
88398	12	8552	29	97	22.1	10	203
88399	11	798	28	23	2.7	10	215
88400	7	950	34	146	2.7	nd	135
88401	7	3339	28	147	9.0	nd	108
88402	10	3483	32	77	10.0	30	91
88403	8	1969	94	701	7.1	nd	71
88404	13	4256	254	1202	14.3	nd	98
88405	13	2657	56	401	8.7	30	128
88406	9	2024	35	74	5.2	60	377
88407	13	5020	38	95	12.1	20	205
88408	12	1709	43	115	4.6	30	150
88409	9	924	49	230	2.4	20	235
88410	6	1307	39	148	3.2	30	112
88411	8	3035	43	90	7.0	10	246
88412	7	850	45	120	2.0	30	349
88413	35	1921	135	922	7.5	70	1274
88414	11	457	155	945	1.8	nd	353
88415	18	938	73	325	3.1	nd	825
88416	27	1591	46	187	5.1	nd	299
88417	27	1798	43	299	5.1	80	409
88418	17	10290	55	394	33.3	120	5533
88419	13	1342	55	350	4.8	30	1596
88420	70	7024	187	828	18.6	280	220
88421	20	3666	144	796	13.0	110	229
88422	17	3133	118	717	11.7	50	335
88423	11	2185	50	194	7.9	nd	194
88424	55	2360	29	53	6.9	50	612
88425	30	4286	80	538	15.8	60	376
88426	13	533	39	133	1.8	20	194
88427	9	327	60	779	1.0	nd	224
88428	7	893	43	169	3.2	nd	180
88429	18	1906	40	184	6.6	nd	158
88430	10	1086	45	188	3.7	nd	191
88431	8	896	59	510	3.2	nd	750
DETECTION LIMIT	1	1	2	1	0.1	5	2

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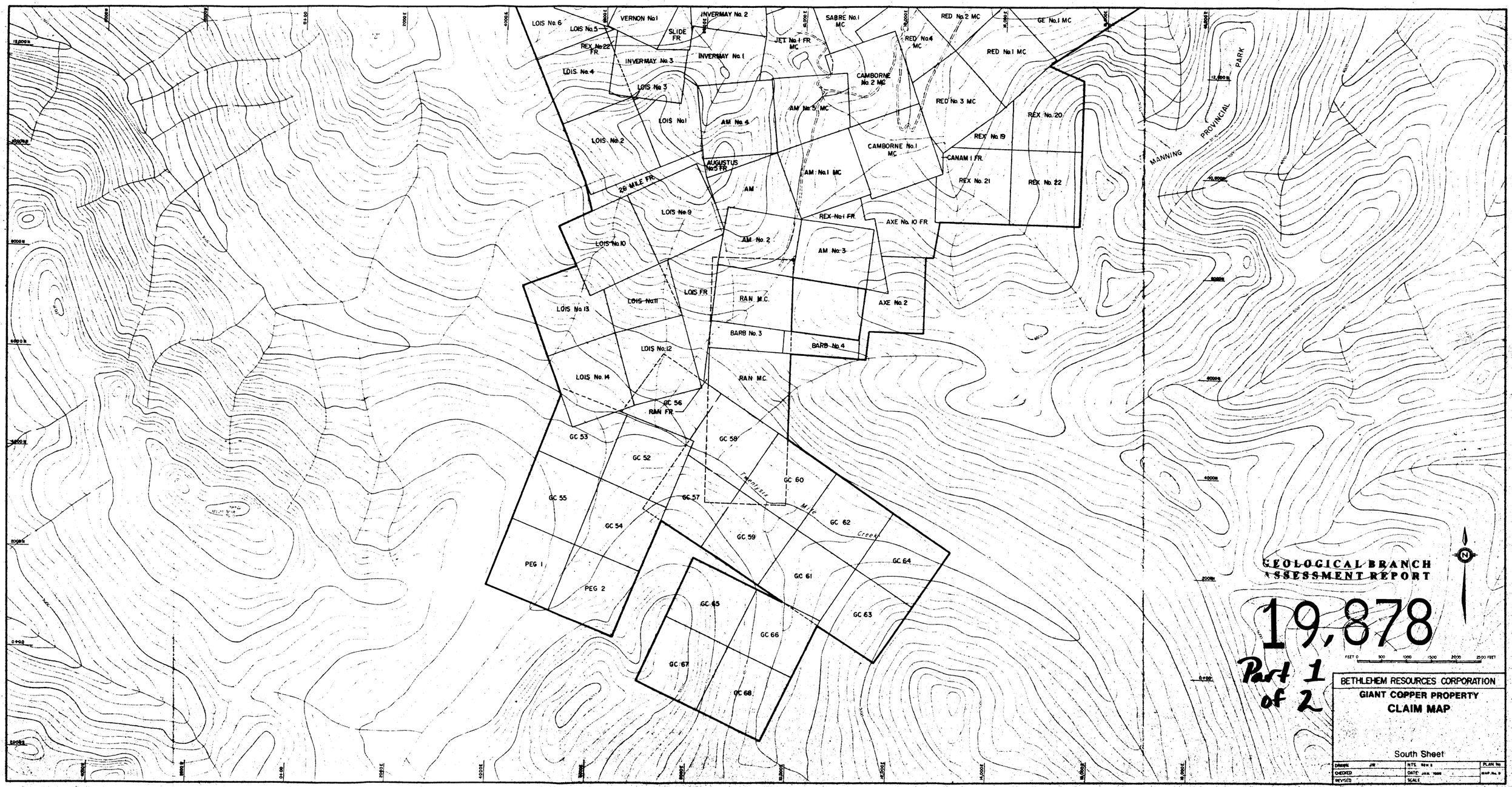
SAMPLE #	Mo	Cu	Pb	Zn	Ag	Au	As
	ppm	ppm	ppm	ppm	ppm	ppb	ppm
88432	7	844	37	161	2.7	nd	964
88433	5	160	25	112	.1	20	296
88434	5	299	49	190	.8	20	188
88435	6	140	25	49	.4	nd	507
88436	7	115	29	32	.2	40	1245
88437	8	200	24	182	.5	30	958
88438	10	56	24	58	.5	nd	307
88439	10	186	24	24	1.2	nd	571
88440	7	1243	154	724	3.8	90	378
88441	6	207	405	1823	1.9	nd	122
88442	8	267	149	783	1.4	100	3566
88443	8	682	39	82	2.2	nd	373
88444	6	1538	35	31	4.4	40	795
88445	6	687	31	247	2.1	140	1864
88446	6	723	27	52	2.2	nd	384
88447	6	449	33	31	1.5	nd	274
88448	6	370	33	119	1.2	30	370
DETECTION LIMIT	1	1	2	1	0.1	5	2

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



GEOLOGICAL BRANCH
ASSESSMENT REPORT

19,878

Part 1 of 2

FEET 0 500 1000 1500 2000 2500 FEET

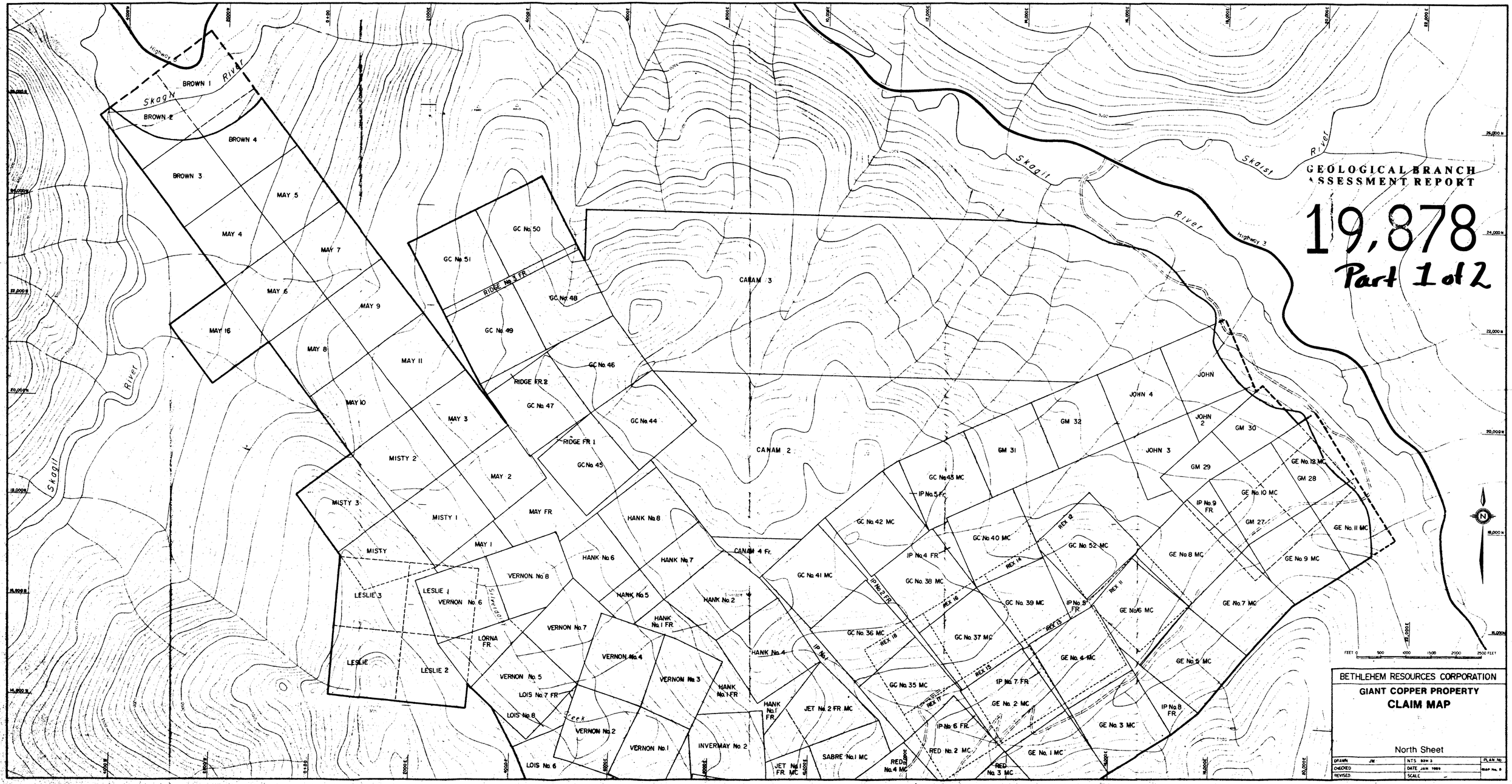
BETHLEHEM RESOURCES CORPORATION

GIANT COPPER PROPERTY

CLAIM MAP

South Sheet

DRAWN	JW	NTS 92K/3	PLAN No.
CHECKED		DATE JAN. 1988	MAP No. 9
REVISED		SCALE	



GEOLOGICAL BRANCH
ASSESSMENT REPORT

19,878

Part 1 of 2

BETHLEHEM RESOURCES CORPORATION

GIANT COPPER PROPERTY

CLAIM MAP

North Sheet

DRAWN	JW	NTS 104 H 3	PLAN No.
CHECKED		DATE JAN. 1989	
REVISED		SCALE	MAP No. 8

DRILL HOLE DATA

HOLE Nº.	SURVEY POINT	LOCATION – MG. LATITUDE	LOCATION – MG. DEPARTURE	ELEVATION FT.	DIP	AZIMUTH	LENGTH FT.
GCS 88 - 1	P44	9799.0 N	9208.4 E	5921.9	90°	–	327
-2	P44	9799.0N	9208.4 E	5921.9	-45°	270°	98
-3	P41	9694.8N	9293.9 E	5888.0	90°	–	322
-4	P49	10007.2N	9295.3 E	5889.2	90°	–	334
-5	P49	10006.8 N	9289.7 E	5889.1	-45°	270°	154
-6	P41	9694.8 N	9293.9 E	5888.0	-55°	270°	397
-7	P 3	9102.2 N	9897.1 E	5481.8	90°	–	67
-8	P50	9101.2 N	9502.5 E	5698.0	90°	–	73
-9	P21	9400.3 N	9598.4 E	5650.6	90°	–	362
-10	P8	9196.3 N	9800.5 E	5528.9	90°	–	182
-11	P52	9599.3 N	9797.8 E	5562.5	-50°	270°	447
GCR 88 - 2	P3	9100.0 N	9900.0 E	5481.8	90°	–	85
- 2A	P3	9100.0 N	9900.0 E	5481.8	90°	–	30
- 3	P21	9400.0 N	9571.0 E	5650.6	-45°	270°	320
- 4	P38	9600.0 N	9600.0 E	5650.0	-45°	270°	400
- 5	P50	9100.0 N	9500.0 E	5698.0	90°	-	305
- 6	P 3	9100.0 N	9900.0 E	5481.8	90°	-	55
		1989	DRILLING				
GCR 89 -13	P5	9200.97 N	9507.59 E	5680.20	-45	270°	235
-14	P30	9504.47 N	9565.85 E	5656 .22	-45	270°	455
-15	P 14	9302.74	9671. 84 E	5595 .57	-45	270°	375
-16	P 1	9095 N	9712 E	5565	-45	270°	280
-17	P24	9401 N	9896 E	5538	-90	—	500
-18	P9	9203 N	9909 E	5528	-45	180°	245
-21		9449 N	9805 E	5537	-45	190°	200
-22		9225 N	10005 E	5419	-45	250°	500
-23		9210 N	10017 E	5419	-90	-	200
-24		9434 N	9841 E	5537	-60	052°	500
-25		9405 N	9826 E	5537	-60	135°	520
-26		9420 N	10085 E	5388	-45	250°	300
-27		9649 N	9932 E	5479	-45	232°	520
-28		9637 N	9950 E	5481	-45	184°	300

9200E 9600E 10000E

10000N 9600N 9200N

GCS 88-4,5 P49 · GCS 88-1,2 P44 · GCS 88-3,6 P41 · GCR 88-4 P38 · GCS 88-11 P52 · GCR89-27 · GCR89-28 · GCR89-14 P30 · GCS88-9 GCR88-3 P21 · GCR89-15 P14 · GCR89-21 · GCR89-24 · GCR89-25 · GCR89-17 P24 · GCR89-26 · GCR 89-13 P5 · GCS 88-10 P8 · GCR89-18 P9 · GCR89-22 · GCR89-23 · GCS 88-8 GCR 88-5 P50 · GCR89-16 P1 · GCS 88-7 GCR88-2,24,6 P3

P40 P45 P46 P42 P43 P55 P56 P51 P35 P36 P37 P39 P53 P54 P27 P28 P29 P31 P32 P33 P34 P18 P19 P20 P22 P23 P25 P26 P10 P11 P12 P13 P15 P16 P17 P4 P6 P7 P58

Nº. 1 portal · Nº. 4 portal · Nº. 5 portal · Nº. 2 portal · Nº. 3 portal · Nº. 7 portal

OUTLINE OF AM BRECCIA

LEGEND

- ○ DRILL HOLE (GCS - DIAMOND DRILLING; GCR - ROTARY ")
- △ SURVEY POINT
- ROAD
- PORTAL
- AM BRECCIA

GEOLOGICAL BRANCH
ASSESSMENT REPORT

19,878

Part 1 of 2

0 50 100 feet
0 10 20 40 metres

N

BETHLEHEM RESOURCES CORPORATION

GIANT COPPER PROJECT
AM BRECCIA
SURFACE DRILL HOLE LOCATION MAP

KEN HICKS CONSULTING	DATE:	MAP INDEX Nº.	SCALE	
K.H.	JAN. 1990	92H - 3	1:480 (1"= 40')	MAP No. 7

CHONG

N 13000 | E 9000 | E 10000 | E 11000 | E 12000 | E 13000 | E 14000

N 12000

N 11000

N 10000

N 9000

TABLE OF COORDINATES			
STATION	NORTH	EAST	ELEV.
101 IP	10645.83	10145.04	
103 D. STEEL	9994.19	9986.54	5481.03
104 D. STEEL	9971.96	9982.66	5480.87
200 SOIL TAG	10989.99	10153.80	5429.42
205 C. POST	11269.21	11999.81	
206 C. POST	11237.31	12097.76	
208 SOIL TAG	11148.65	12348.50	4813.06
209 C. POST	10608.79	12551.89	4719.53
394 IP	9970.67	10005.46	5468.30
395 IP	9426.19	9864.23	5545.43
601 SPAD	9973.16	9897.02	5477.46
1876 HUB	10491.54	10104.20	5454.11
1877 HUB	10991.01	10184.13	5421.93
1878 HUB	11483.75	10319.61	5422.49
1879 HUB	11390.79	10528.33	5377.02
1880 HUB	11500.07	10693.51	5344.13
1881 HUB	11421.07	10931.20	5304.57
1882 HUB	11505.07	11089.13	5287.99
1883 HUB	11578.23	11313.45	5249.14
1884 HUB	11842.85	11557.02	5186.10
1887 HUB	12170.14	11710.23	5132.09
1888 HUB	12394.95	11734.27	5120.39
1889 HUB	12433.41	11697.76	5132.25
1890 HUB	11692.41	11880.23	5039.44
1891 HUB	11320.89	11883.74	5009.48
1892 HUB	11014.51	11818.61	4990.27
1893 HUB	10738.19	11944.76	4972.30
1894 HUB	11240.66	12201.96	4886.58
1895 HUB	11272.71	12115.39	4916.12
1896 HUB	11451.64	12242.32	4867.31
1897 HUB	11596.40	12346.55	4811.56
1898 HUB	11223.93	12344.31	4819.92
1899 HUB	10825.21	12204.49	4864.96
1900 HUB	10636.72	12221.31	4871.95
1901 SPAD	10593.75	12183.99	4879.07

TABLE OF DRILL HOLES			
STATION	NORTH	EAST	ELEV.
DH GCR 89-1	11533.14	11852.60	5030.48
DH GCR 89-2	11304.04	11850.44	5010.57
DH GCR 89-3	11267.12	12165.88	4887.26
DH GCR 89-4	11465.71	12213.30	4867.12
DH GCR 89-5	11390.21	11851.22	5019.46
DH GCR 89-6	11636.93	12305.08	4811.68

1889 1888 1887 1884 1883 1882 1881 1880 1879 1878 1877 1876

SOIL TAG 200 BL 110N 102E

IP 101 CLAIM POST

INITIAL POST PM1
INITIAL POST PM2
LEGAL CORNER POST BEM2
LEGAL CORNER POST BEM1

1878

DRILL STEEL 103 PORTAL #6
SPAD 601
394 IP
DRILL STEEL 104

395 IP

AM BRECCIA

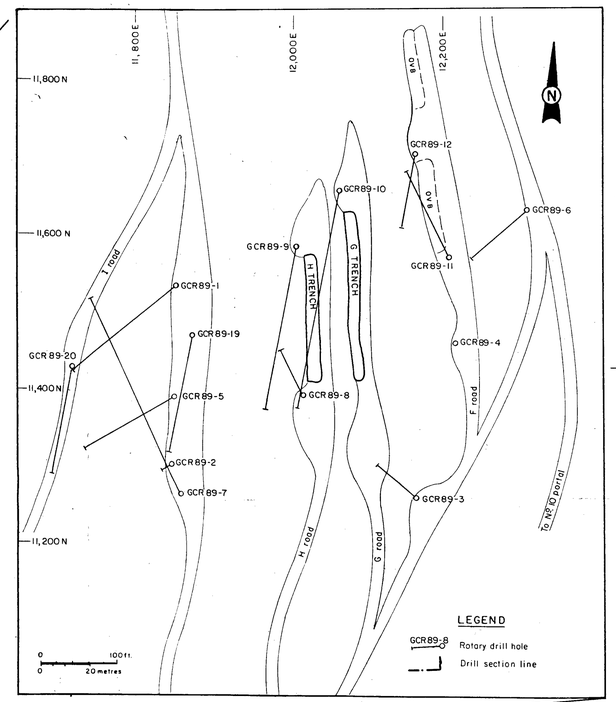
Nº 1 ANOMALY

1890 1897 1891 1896 1895 1894 1892 1899 1893 1900 1901 209

DH GCR 89-6
DH GCR 89-1
DH GCR 89-4
DH GCR 89-5
DH GCR 89-2
DH GCR 89-3
205
208
CLAIM POST
INITIAL POST FP #1 FR
CLAIM POST
INITIAL POST LENORE #2
SOIL TAG L124E 111N
SEE INSERT

SPAD 1901
PORTAL #10

CLAIM POST
CANAM 1 FR



GEOLOGICAL BRANCH
ASSESSMENT REPORT

19,878

Part 1 of 2

BETHLEHEM RESOURCES CORP.

GIANT COPPER PROJECT HOPE B.C.

SURVEY CONTROL AND DRILL HOLE PICK UP

DATE: JUNE 26, 1989

SCALE: 1" = 200'

SOUKUP ENGINEERING SURVEYS LTD.
9960 124A STREET, SURREY B.C.
V3V 4W5 TEL (604) 581 4245
FAX 588 5977

FILE 1545 DWG A

MAP Nº. 1