1989 PHASE 3 SURFACE ROTARY DRILLING

AND

TRENCHING PROGRAM

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
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by

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January 5, 1990

SUMMARY

The Giant Copper property is located in southern British Columbia approximately 43 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. Open pit potential has been estimated at 22 million tons at 0.6 % Cu.

Field work was carried out from early November to the first week of December, 1989. During this time approximately 183 meters (600 feet) of trenching and sampling were completed. In addition, a total of eight rotary drill holes were completed on the AM breccia and one rotary hole on the No.1 Anomaly, located near the 10 Level portal, for a total of 1049 meters.

The primary objective of this program was to drill test the southeastern and northeastern rim of the AM Breccia which has had only minimal previous exploration. This portion of the rim has a number of small underground workings which host good copper and molybdenum mineralization. The current program of drilling was planned to test the lateral and vertical extent of this mineralization below the workings. Secondary objectives included the trenching of surface mineralization on the No. 1 Anomaly and anomalous geochemical values at a site centered on soil grid coordinates 135N,126E. A solitary drill hole was collared at to the No. 1 Anomaly to test the extent of anomalous surface base and precious metal values.

The drill program was successful in discovering economic grade base and precious metal mineralization at the southeastern and northeastern edges of the AM breccia. Particularly encouraging was a widespread zone of mineralization grading 1.14% Cu over an interval of 200 feet in GCR89-24. Trenching in the area of the No. 1 Anomaly continues to show a large area of low grade silver-lead-zinc-copper mineralization to the north of the No. 10 Level portal. In this vicinity, siliceous Dewdney Creek sediments are interfingered with intrusive gabbro, diorite and granitic sills. The mineralized zone is also conspicuously located on the northern flank of a strong magnetic low which correlates to a gabbro/diorite intrusive plug. Within this zone lies a quartz-sulphide vein which 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.

Summary of Significant Drill Intersections

HOLE NUMBER	WIDTH (ft)	INTERVAL (ft)	Cu %	Ag oz/t	Au oz/t	Cu equiv %
GCR-89-22	5	370-375	0.04	0.10	0.232	6.585
GCR-89-24	200	135-335	1.14	0.50	0.015	1.733
GCR-89-27	70	445-515	0.21	0.27	0.046	1.563
GCR-89-28	15	190-205	1.41	1.01	0.017	2.258

TABLE OF CONTENTS

LIST OF FIGURES

LIST OF ILLUSTRATIONS

LIST OF TABLES

1.0 INTRODUCTION

The Giant Copper property is located in southern British Columbia approximately 43 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 1989 - Phase 3 field program described herein extended from November through December, 1989. A total of 1049 meters of rotary drilling was completed in nine holes and approximately 189 meters of trenching.

2.0 LOCATION AND ACCESS

The Giant Copper property lies approximately 43 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). On the south side of 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 9 km along a good gravel road.

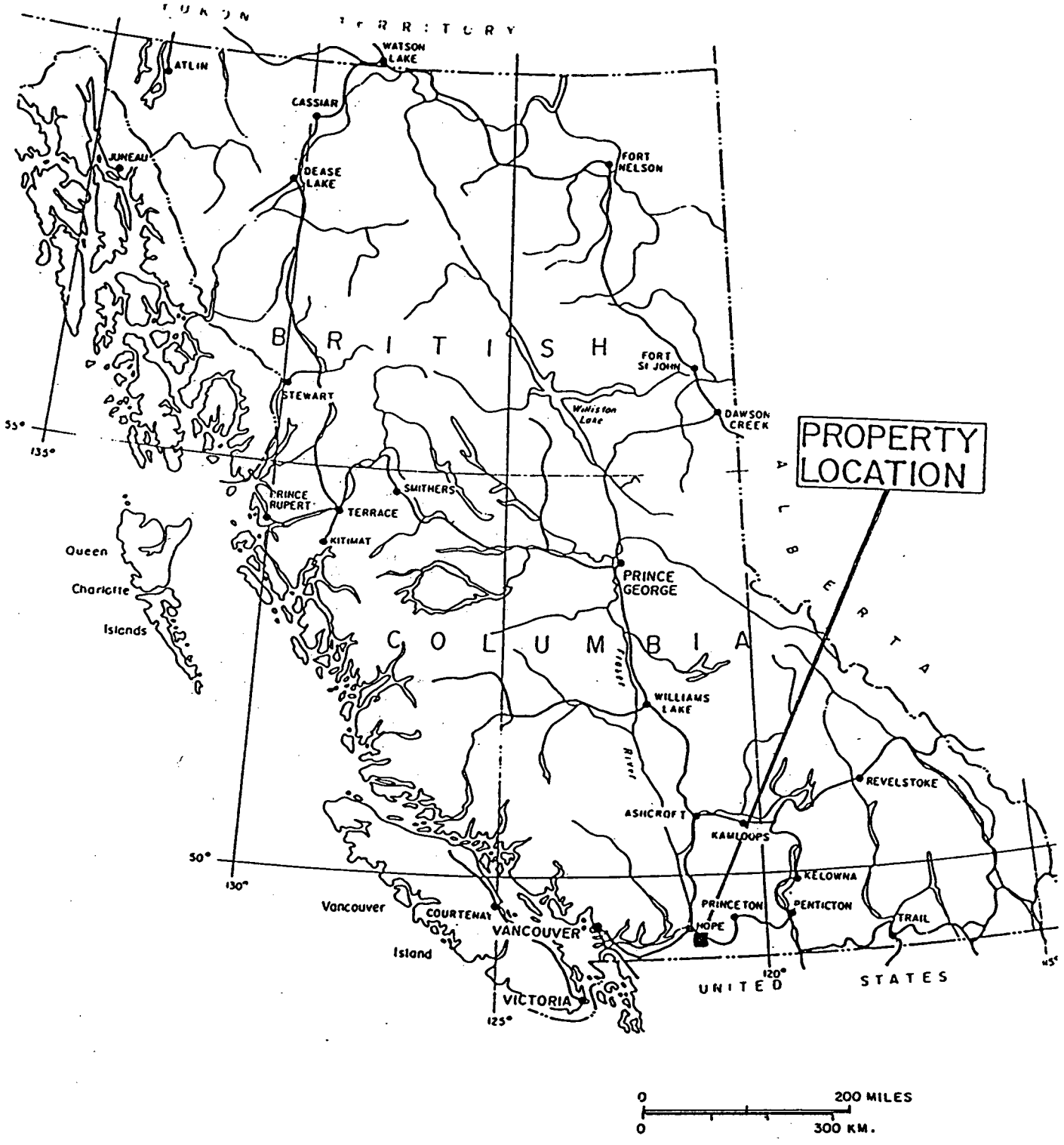
The property lies between elevations 1,310 meters and 1,980 meters above sea level, on the west and southeast slope of Silverdaisy Mountain.

3.0 CLAIMS

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

4.0 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 Pasayten 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 this block of rocks of the Dewdney Creek Group (Fig. 3).



K.H.

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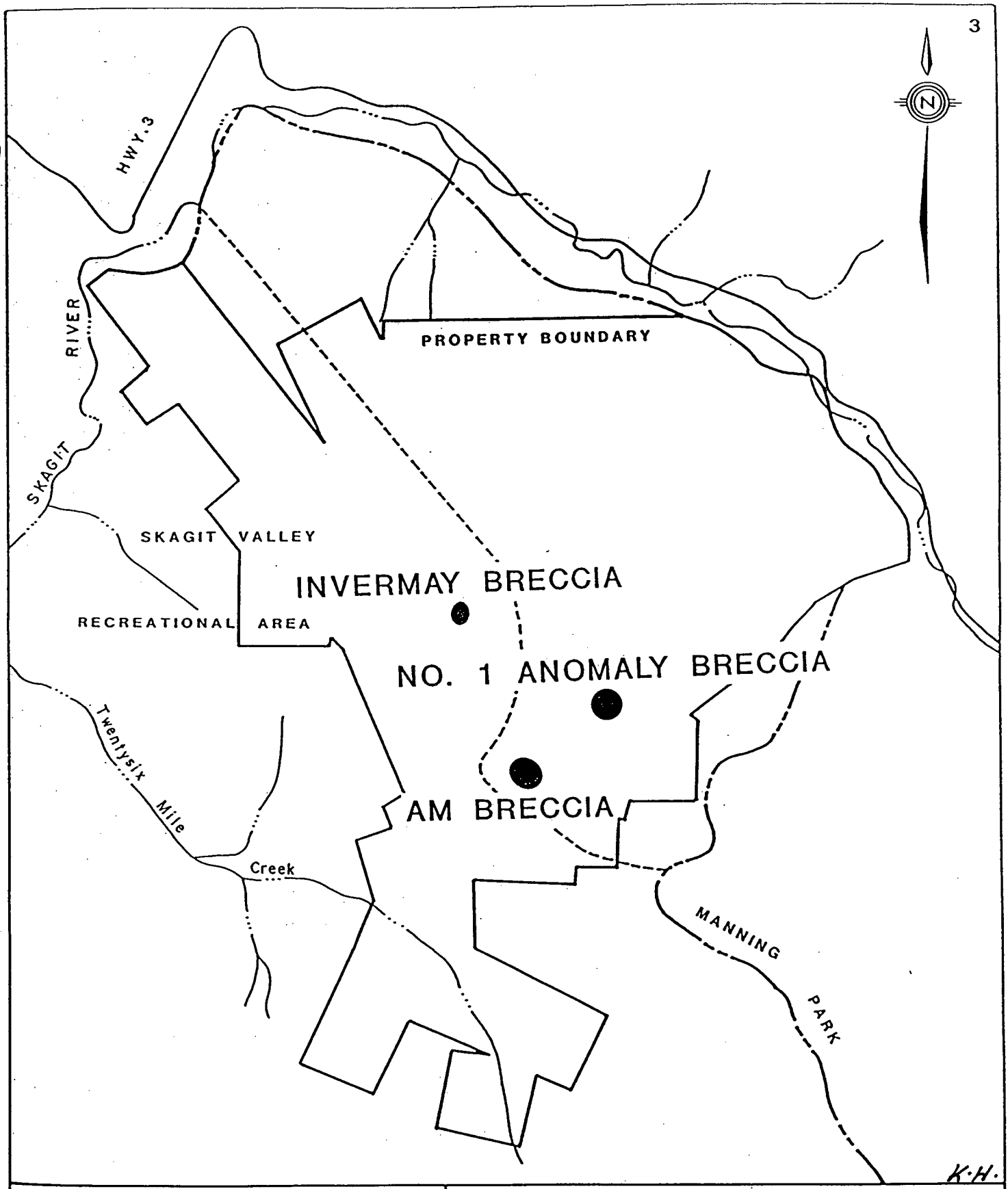
GIANT COPPER PROJECT

LOCATION MAP

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

CHONG



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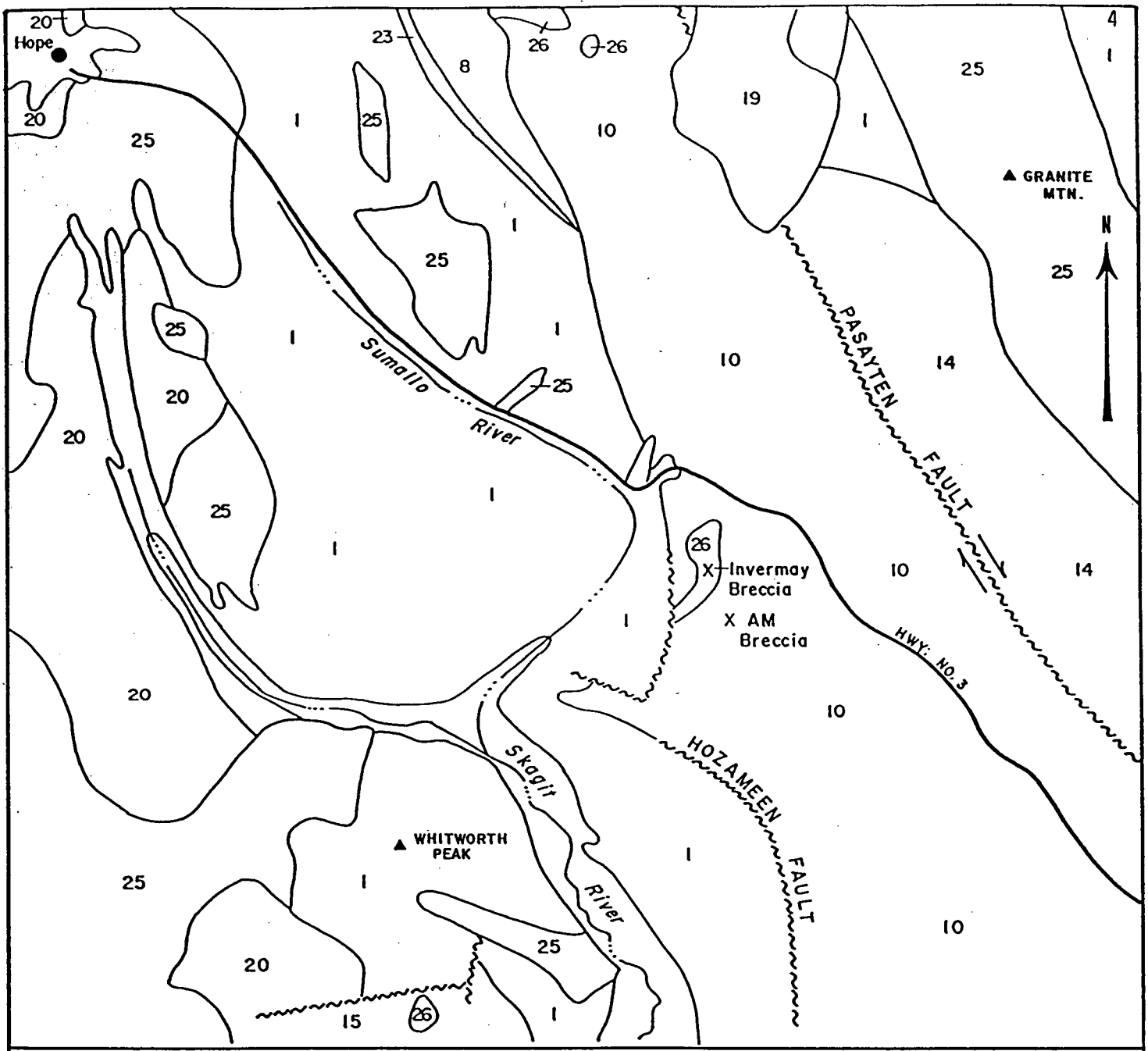
CLAIM MAP

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

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REGIONAL GEOLOGY

COMPILED FROM MAPS 737A & 888A

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

CHONG

5.0 PROPERTY GEOLOGY

5.1 Overview

Sedimentary rocks of the Dewdney Creek Group have been 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 meters to the northeast to the site of the No. 1 Anomaly, located close to the No 10 level portal (Payne, 1989; Fig. 4).

5.2 Lithologies

The most abundant lithology encountered in the drilling was a fine-grained silicified grey to buff colored sediment which is part of the Upper Jurassic Dewdney Creek sediments. The timing of silicification appears to predate brecciation since all sedimentary fragments are silicified. Fragments of quartz diorite are also found in small quantities within the breccia, so at least one phase of intrusion occurred before or during brecciation. Sedimentary fragments usually predominate. The matrix between the fragments appears to have a fine-grained texture and been mafic in composition.

Drilling within the No. 1 Anomaly, it appears that a sequence of siliceous Dewdney Creek Group rocks have been intruded by a swarm of felsic and mafic dikes, some of which are probably related to an intrusive plug nearby.

5.3 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 very fine-grained sericite alteration occurs erratically distribution within a larger envelope of sericite alteration. Sporatic tourmaline occurrences are probably related to the intrusive event.

6000E 10,000E 14,000E 18,000E

14,000N 12,000N 10,000N 6000N

CreekINVERMAY FAULT, VEIN

GIANT FAULT

15-Level 10-Level

PASS BX

CAMP BX

NEW BX

AM BX

Pond

land slide

major zone of NE fractures; limonite veinlets

26-Mile Creek Anamaly

minor folding

wooded slope minor outcrop

major syncline

major anticline

major sill

no outcrop

PROPERTY BOUNDARY

SKAGIT VALLEY RECREATIONAL

contact based on topography

PARK

N

LEGEND

4 FELSIC DIKES Tertiary
- 4a very fine grained, porphyritic
- 4b aphanitic

MAJOR HYDROTHERMAL EVENTS
Late Silver-Lead-Zinc Veins associated with NE-ENE faults
Main Stage Breccia Matrix Mineralization: pyrite, pyrrhotite, chalcopyrite, arsenopyrite in a gangue of chlorite, quartz, calcite, feldspar, tourmaline
Early Stage: quartz-tourmaline veins and replacement

BRECCIATION
Subunits 1x, 3x: in fault-bounded pipes near Unit 3; (Note: Subunit 1x may have formed prior to Unit 3)

3 INVERMAY STOCK Cretaceous or Tertiary
quartz diorite, diorite, minor granodiorite
- 3a medium grained, equigranular to slightly porphyritic
- 3b porphyritic: plagioclase-(hornblende) phenocrysts
- 3T tourmaline-magnetite-pyrite-(chalcopyrite) replacement
- 3x Pass Breccia: intrusive breccia, fragments of rocks of Unit 1 and minor Unit 2 in groundmass of Subunit 3b

MAJOR REGIONAL DEFORMATION Cretaceous

tight folding with WNW-trending subvertical axial planes, moderately NW-plunging axes, greenschist-facies metamorphism

2 MAFIC SILLS, DIKES Upper Jurassic-Cretaceous
- 2a andesite, fine grained diorite
- 2b medium grained gabbro, diorite
- 2c coarse grained hornblende pyroxenite, hornblendite

1 DEWDNEY CREEK GROUP Upper Jurassic
metasedimentary and minor metamorphosed felsic volcanic rocks
- 1a finely bedded siliceous argillite and siltstone
- 1b black argillite, gradational to Subunit 1a
- 1c sandstone, greywacke; thickly bedded
- 1d fine felsic tuff (associated with Subunit 1c)
- 1e quartzite

Suffixes

h	hornfelsed	x	breccia
L	limonite-altered hornfels	z	quartz-sericite-(pyrite)
T	tourmaline alteration, veins		

SYMBOLS

outcrop border (* - seen from distance only)
geological contact: defined, approximate/assumed
45 bedding
71 fold axis: syncline, anticline
vein and/or fracture set
fault: major, minor
road
adit
creek, valley

K.H.

GIANT COPPER PROJECT

PROPERTY GEOLOGY

GEOLOGY BY J.PAYNE

N.T.S. 92H-3 NEW WESTMINSTER M.D., B.C.

BETHLEHEM RESOURCES CORPORATION

SCALE: 0 500 1000 1500Ft.

DRAWN BY: K.H. | DATE: JAN. '90 | FIGURE: 4

CHONG

5.4 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, Pb and As.

Most of the mineralization encountered within GCR89-29 is intimately with a finely intergrown mix of quartz, feldspar and sulphides which form the matrix filling between breccia fragments. This brecciation occurs in close proximity to the gabbro intrusive plug south of the No. 1 Anomaly.

6.0 WORK PROGRAM - 1989 PHASE 3 DRILLING AND TRENCHING

6.1 Introduction

The purpose of the Phase 3 - 1989 rotary drilling program on the Giant Copper property was to drill test the southeastern and northeastern rim of the AM Breccia, trench and drill through a true width of the mineralized zone on the No. 1 Anomaly and test a highly anomalous geochemical site north of the No. 1 Anomaly through trenching (Fig. 5).

6.2 Work completed

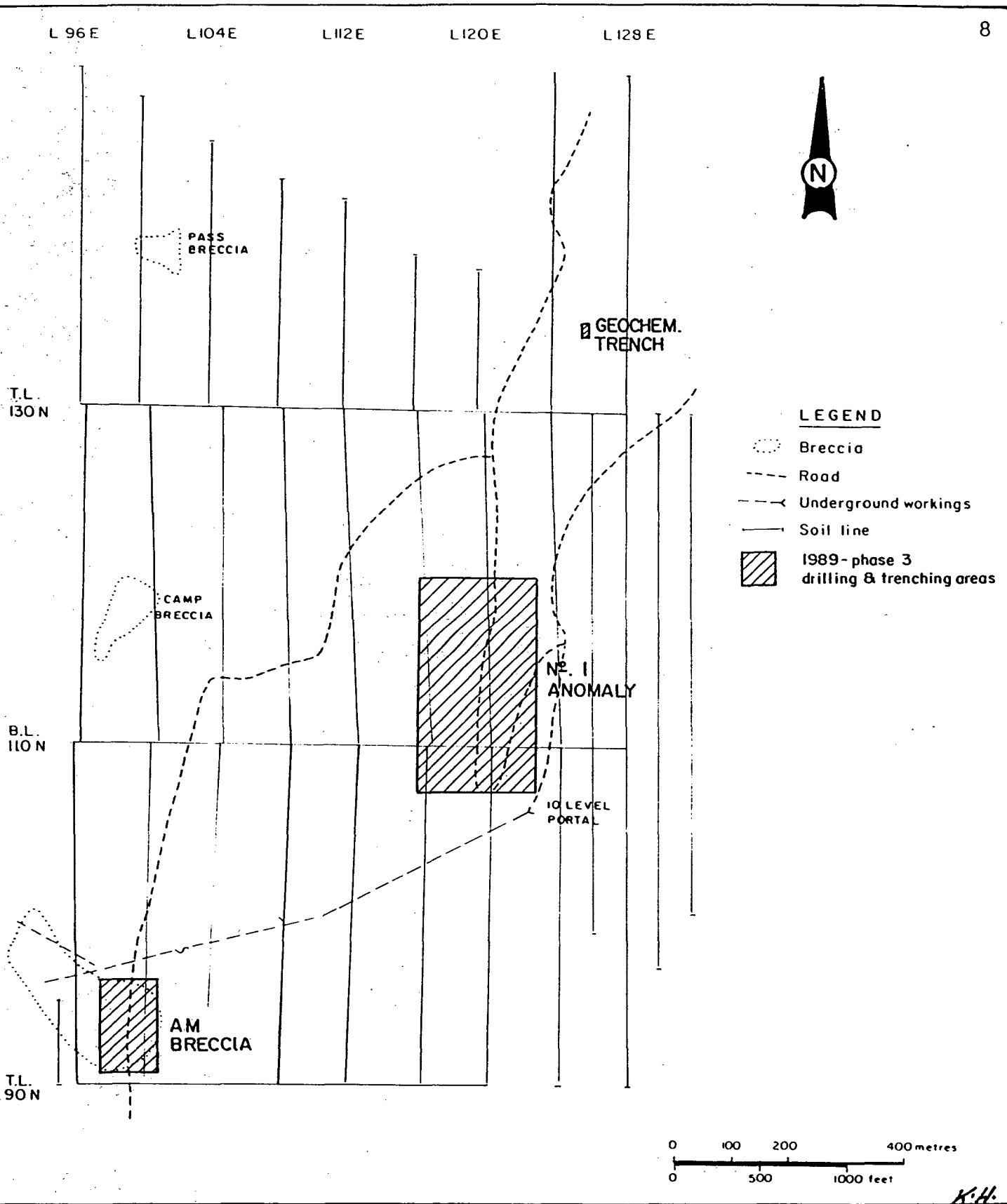
TONTO Drilling moved on to the property November 3, 1989 with a tandem truck-mounted Schramm 685 reverse circulation drill rig and one drill crew. Eight holes, ranging from vertical to 45 degrees, were drilled on the AM Breccia to intersect below mineralization in a number of workings (Fig. 6). A ninth hole, GCR-89-29, was collared close to a previously drilled hole, GCR-89-20 and was projected to crosscut the entire mineralized zone (Fig 7.); however, the hole was not completed due to extremely hard ground conditions.

A D-6 cat tractor from TONTO Drilling was contracted to build drill pads and to help with drill moves under icy conditions. The drill rig left the site on December 1, 1989.

A caterpillar 235 excavator was contracted from LEDCOR Industries of Edmonton to carry out trenching on the No. 1 Anomaly and another site of anomalous geochemistry. The rig arrived on site November 7 and completed working on November 15, 1989.

A total of three new trenches were created on the main road near GCR89-5, "I" road near GCR89-20 and on a site of strongly anomalous geochemistry near coordinates 126E, 135N (Figs. 5, 10). A fourth trench, "G" Road, was extended approximately 50 meters to the south.

In all, a total of eight rotary drill holes were located on the AM breccia and one on the No. 1 Anomaly for a total of 1049 meters.



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GIANT COPPER PROJECT

1989-PHASE 3 EXPLORATION PROGRAM WORK AREAS

KEN HICKS CONSULTING	DATE :	MAP INDEX No.	SCALE	DRAWING No.
K.H.	JAN. 1990	92H - 3	1:9600 (1"= 800')	FIG. 5

CHONG

6.3 Sampling Procedures

A standard sampling procedure was developed for sampling cuttings from the rotary drill rig. Material from the hole was circulated through a cyclone attached to the rig. A rectangular plastic tray, placed under the cyclone opening, collected approximately half of the discharged material and allowed the other half to fall on the ground as waste. Samples were taken in five foot intervals and collected in 24" by 36" plastic bags, labeled with the hole number and the footage interval.

These bags were collected by the geologist and assistant and carried down to the old bunkhouse near the 15 Level workings. Here, they were arranged sequentially and split two times using a riffle splitter. This rendered a sample of between 5 and 10 lbs which was then sent for assay. A sample from the last split reject was collected for geological examination. Wet samples from the drill site, which typically frozen overnight, were placed in the splitting room, high up on benches, and allowed to thaw overnight with the aid of a kerosene heater. The size and quantity of samples generated necessitated both people in the splitting and sampling procedure which delayed the logging of chips.

Sampling of the "I" road, Main road, "G" road and Geochem trenches consisted of a series of two meter panel samples taken from the wall of the trench. The samples were collected in approximately four vertical slices within the interval. Average sample weight was approximately 10 lbs. Since all trenches were dug with an excavator, outcrop would occur at best only on the floor of the trench. Due to excessive water and mud, sampling the floor was impossible and therefore samples ranged from subcrop to overburden. In places, overburden depth exceeded 20 feet and beyond the reach of the excavator.

TABLE 1. Drill Hole Specifications

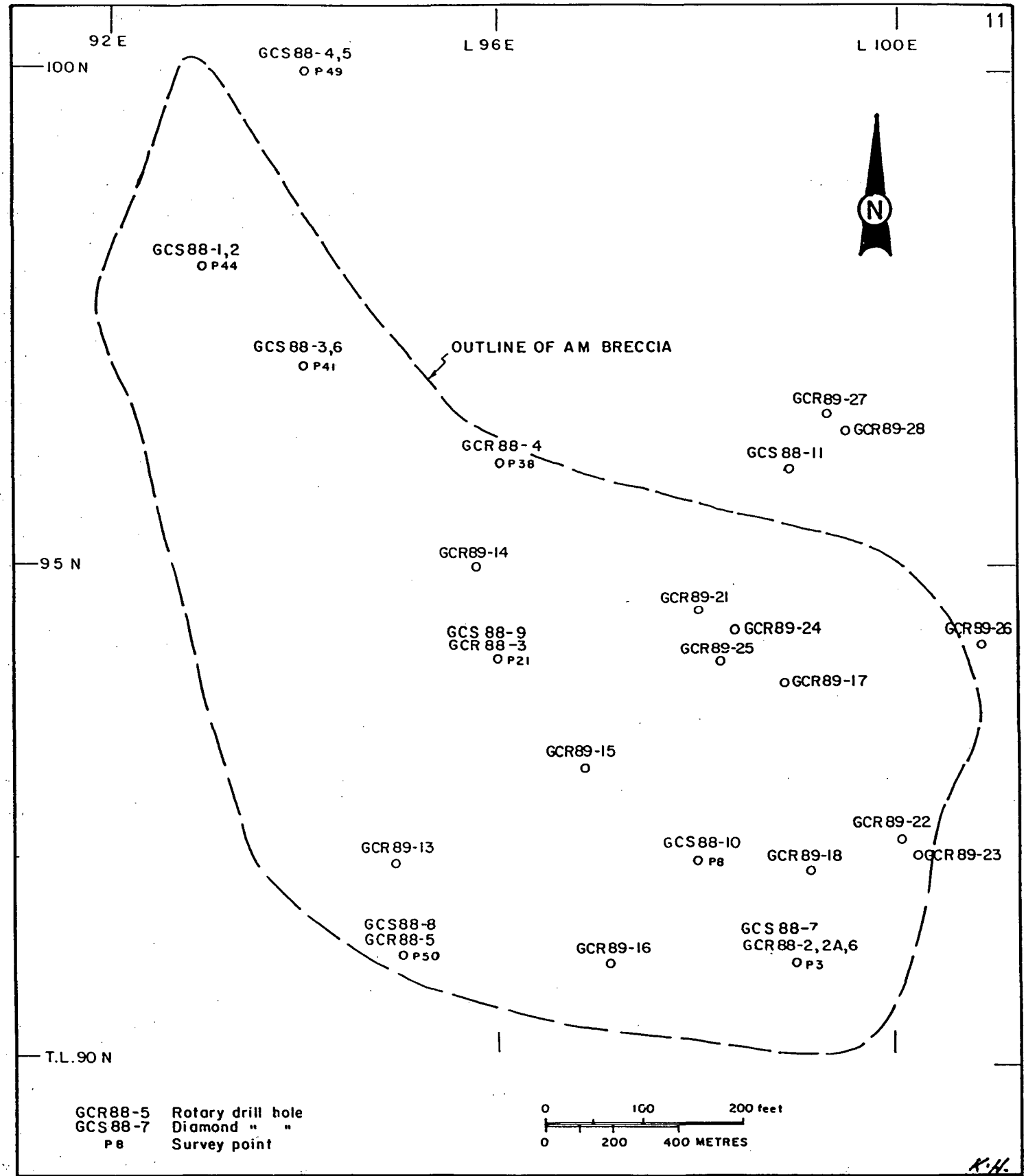
Hole No	Area	Northing (ft)	Easting (ft)	Elev (ft)	Azm	Dip	Length (ft)
GCR-89-21	AM	9449	9805	5537	315	-60	160
GCR-89-22	"	9225	10005	5419	250	-45	500
GCR-89-23	"	9210	10017	5419	-	-90	200
GCR-89-24	"	9434	9841	5537	052	-60	500
GCR-89-25	"	9405	9826	5537	135	-60	520
GCR-89-26	"	9420	10085	5388	250	-45	300
GCR-89-27	"	9649	9932	5479	232	-45	520
GCR-89-28	"	9637	9950	5481	184	-45	300
GCR-89-29	No 1	11346	11728	5080	160	-45	440

6.4 Drilling Results

A number of the significant results of the 1989 rotary drilling program are summarized in Table 2 below. Rotary drill logs, complete with assay results and assay certificates are contained in Appendices III and V, respectively.

TABLE 2. Significant Drill Intersections - Phase 3, 1989.

HOLE NUMBER	WIDTH (ft)	INTERVAL (ft)	Cu %	Ag oz/t	Au oz/t	Cu equiv %
GCR89-21	5	30 - 35	0.91	0.52	0.002	1.164
	5	50 - 55	1.16	0.67	0.001	1.445
GCR89-22	10	35 - 45	0.68	0.56	0.006	1.049
	15	75 - 90	0.93	0.57	0.007	1.351
	10	95 -105	1.02	0.53	0.016	1.640
	5	170-175	0.90	0.52	0.001	1.127
	5	370-375	0.04	0.10	0.232	6.343
	10	385-395	1.06	1.62	0.016	2.114
	10	405-415	0.63	0.84	0.008	1.154
	5	435-440	0.57	0.73	0.031	1.688
	5	450-455	0.78	1.06	0.010	1.458
	5	483-490	0.60	0.85	0.035	1.872
GCR89-24	5	25 - 30	0.71	0.58	0.005	1.068
	25	135-160	1.25	1.03	0.007	1.823
	5	175-180	1.15	0.59	0.001	1.404
	40	185-225	1.73	0.59	0.033	2.828
	35	230-265	0.90	0.36	0.008	1.243
	65	270-335	1.29	0.50	0.018	1.982
GCR89-25	5	170-175	0.88	0.22	0.005	1.100
	5	190-195	1.66	1.04	0.010	2.330
	20	205-225	0.94	0.32	0.010	1.320
	5	235-240	1.02	0.43	0.001	1.213
GCR89-26	35	45 - 80	1.10	0.47	0.012	1.612
	5	125-130	0.93	0.36	0.008	1.285
	5	185-190	0.81	0.52	0.010	1.280
	10	195-205	1.21	0.37	0.013	1.690
	20	225-245	0.96	0.47	0.014	1.520
GCR89-27	5	65 - 70	1.19	0.99	0.004	1.679
	5	95 -100	1.15	0.76	0.003	1.524
	5	140-145	0.88	0.49	0.001	1.096
	5	445-450	0.09	0.13	0.178	4.946
	5	460-465	0.17	0.22	0.045	1.470
	10	470-480	0.32	0.74	0.093	3.101
	5	510-515	0.35	0.51	0.125	3.921



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AM BRECCIA SURFACE DRILL LOCATION MAP

KEN HICKS CONSULTING	DATE :	MAP INDEX Nº.	SCALE	DRAWING Nº.
K.H.	JAN. 1990	92H - 3	1:1600 (1.5"=200')	FIG. 6

CHONG

11,600E

11,800E

12,000E

12,200E

11,600 N

11,400 N

1 ROAD

MAIN ROAD

H ROAD

G ROAD

GCR89-1

GCR89-20

GCR89-29

GCR89-8

GCR 89-9

GCR 89-10

GCR 89-5

GCR 89-2

GCR 89-7

GCR89-19

MAIN ROAD TRENCH

Sample No.	Cu ppm	Zn ppm	Pb ppm	Au ppb	Ag ppm
66972	2094	206	888	120	32.5
1	3701	330	2778	1150	150
66970	5898	699	6568	760	150
66969	3613	719	1017	110	309
8	13958	651	7073	3400	150
7	12954	781	732	150	150
6	1778	591	870	90	21.9
5	995	377	598	130	13.2
4	1240	474	1778	310	17.1
3	1380	461	542	80	11.9
2	1209	544	7355	1620	35.6
1	1829	649	2151	80	10.7
66960	1120	413	448	20	6.8
66959	1829	541	333	60	5.8
66958	1994	587	175	30	7.5

I TRENCH

Sample No.	Cu ppm	Zn ppm	Pb ppm	Au ppb	Ag ppm
66952	334	433	309	20	5.5
3	91	310	100	-	2.1
4	357	563	186	80	5.7
5	283	437	346	20	5.0
6	367	428	1211	20	5.6
66957	200	216	113	20	2.3

H TRENCH

Sample No.	Cu ppm	Zn ppm	Pb ppm	Au ppb
89051	51	502	227	70
2	73	150	41	-
3	87	436	142	40
4	94	414	148	40
5	58	399	109	40
6	140	528	425	80
7	169	557	1019	60
8	196	340	73	30
9	448	351	839	290
89060	214	269	143	60
1	221	277	77	20
2	270	669	265	10
3	617	738	547	40
4	809	1465	765	80
5	579	1805	1086	60
6	844	1082	558	80
7	201	798	213	60
8	379	1069	151	20
9	621	2333	854	40
89070	598	1440	686	20
1	446	1199	776	50
2	779	1600	621	40
3	573	476	521	50
4	643	1395	779	10
5	803	1136	793	40
6	576	1390	825	20
7	660	1248	1040	20
8	666	1162	944	30
9	644	1366	988	60
89080	350	544	830	60
1	840	1482	918	60
2	524	961	954	170
3	438	1379	915	20
4	911	1631	928	60
5	592	563	874	40
6	828	431	467	320
7	1359	563	165	40
8	1424	484	229	120
9	890	344	84	60
89090	634	261	83	160
1	780	303	57	120
2	756	295	49	40
3	947	299	77	30
4	745	353	142	70
5	1188	328	327	580
89096	872	275	135	260

G TRENCH

Sample No.	Cu ppm	Zn ppm	Pb ppm	Au ppb
89101	839	333	144	60
2	1251	596	200	80
3	751	429	249	70
4	2558	359	505	200
5	1690	611	483	1120
6	891	670	271	80
7	1290	1890	1033	400
8	386	1583	728	220
9	907	1118	236	80
89110	1455	3825	272	120
11	4477	4225	462	170
12	1674	2133	508	100
13	822	757	392	160
14	331	572	372	120
15	736	799	537	70
16	1022	509	472	120
17	846	636	374	70
18	1421	411	396	
19	848	598	381	180
89120	948	522	346	180
21	916	569	501	210
22	1523	1269	863	100
23	1236	868	675	250
24	703	1283	1137	110
25	1063	877	259	70
26	1043	869	362	50
27	758	823	561	30
28	1626	1308	1323	90
29	356	797	576	60
89130	389	1712	1008	30
31	1063	1195	774	30
32	959	1283	775	70
33	774	1028	631	30
34	1051	765	637	40
35	722	691	603	70
36	821	739	513	20
37	705	629	382	50
38	828	738	637	10
39	1104	1144	560	70
89140	1105	1082	421	30
41	995	542	487	40
42	988	1424	909	100
43	1288	704	703	70
44	1415	1176	738	110
45	1582	2443	1249	50
46	1079	1149	722	80
47	1278	1236	620	100
48	1055	1945	2005	140
49	1393	849	931	100
89150	834	863	893	130
89097	1031	728	1692	80
98	822	1048	956	80
99	811	459	303	50
89100	380	335	176	30

G TRENCH EXTENSION

Sample No.	Cu ppm	Zn ppm	Pb ppm	Au ppb	Ag ppm
66973	1133	1430	1059	130	12.1
4	897	848	1217	80	13.4
5	564	1410	1690	70	25.9
6	581	409	476	50	7.3
7	1011	447	336	80	11.2
8	1101	617	427	40	11.8
9	774	418	299	50	8.8
66980	967	456	328	200	11.4
1	1130	356	498	120	14.4
2	1166	418	386	110	13.8
3	1293	411	296	80	9.8
4	1563	347	196	410	7.1
5	1858	272	130	90	6.1
6	1577	254	118	70	5.5
66987	1504	275	156	40	5.9

K.H.

GIANT COPPER PROJECT

No. 1 ANOMALY
TRENCH SAMPLING

N.T.S. 92H-3 NEW WESTMINSTER M.D., B.C.

BETHLEHEM RESOURCES CORPORATION

SCALE 0 5 10 20m. / 0 10 20 40 ft.

DRAWN BY K.H. | DATE JAN. '90 | FIGURE 7

CHONG

LEGEND

- GCR89-1 — Drill hole with surface projection
- TR-G — Trench
- Road
- Underground workings
- Creek

11,000E

12,000E

10,000 N

11,000 N

12,000 N

GRANITIC ROCK

10 LEVEL

MASSIVE ARGILLITE

Beds

THINLY BEDDED ARGILLITES

INTERLAYERED FLOWS OR TUFFS & DIORITE SILLS

PORTAL 10
El. 4900'

GRANITE

15 LEVEL

SEDIMENTS

GRANITE

SEDIMENTS

GRANITE

QUARTZITES

BLOCKY TUFFS & VOLCANIC FLOWS - VERY WET
SOME QUARTZITES

TUFF

Beds

TR-I

GCR89-20

GCR89-29

MAIN RD. TR.

GCR89-1

GCR99-5

GCR89-2

GCR89-19

GCR89-7

GCR89-9

GCR89-8

TR-H

GCR89-10

TR-G

GCR89-3

GCR89-4

TR-F

GCR89-12

GCR89-11

GCR89-6

CONTACT FAULT

HIGHLY SHEARED GRANITIC ROCKS

To Portal

N

After Canam Copper Co.

K.H.

GIANT COPPER PROJECT

Nº. 1 ANOMALY

UNDERGROUND GEOLOGY - LEVELS 10 & 15

N.T.S. 92H-3 NEW WESTMINSTER M.D., B.C.

BETHLEHEM RESOURCES CORPORATION

SCALE: 0 100 200 300 Feet; 0 20 40 80 Metres

DRAWN BY: K.H. | DATE: JAN. '90 | FIGURE 8

CHONG

LEGEND

- GCR89-1 — Drill hole with surface projection
- TR-G — Trench
- Road
- Underground workings
- Creek
- Mag. positive contour
- " 0 "
- " negative "
- 410 — station & reading in gammas

Contour interval = 50 gammas

10 LEVEL

15 LEVEL

11,000 E

12,000 E

MAIN RD. TR.

FORTAL 10

GCR89-1, GCR89-2, GCR89-3, GCR89-4, GCR89-5, GCR89-6, GCR89-7, GCR89-8, GCR89-9, GCR89-10, GCR89-11, GCR89-12, GCR89-19, GCR89-20, GCR89-29

TR-1, TR-F, TR-G, TR-H

10,000 N

11,000 N

12,000 N

N

K.H.

CHONG

GIANT COPPER PROJECT

No. 1 ANOMALY

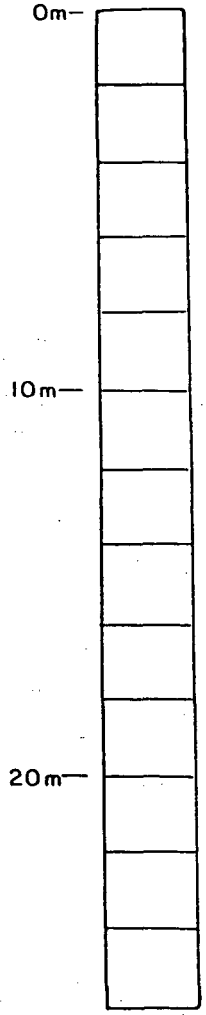
MAGNETOMETER SURVEY - 1972

N.T.S. 92H-3 NEW WESTMINSTER M.D., B.C.

BETHLEHEM RESOURCES CORPORATION

SCALE: 0 100 200 300 Feet; 0 20 40 80 Metres

DRAWN BY: K.H. | DATE: JAN. '90 | FIGURE 9



Sample Nº.	Cu ppm	Zn ppm	Pb ppm	Au ppb	Ag ppm
67000	68	221	125	–	1.1
66999	66	191	114	20	1.3
8	43	728	264	20	1.6
7	32	800	287	–	1.0
6	36	1188	278	–	1.3
5	43	969	388	–	1.7
4	35	960	339	–	1.2
3	25	1087	190	40	0.9
2	30	959	248	70	1.1
1	30	757	243	20	1.2
66990	37	681	348	10	2.5
66989	55	609	233	20	1.6
66988	91	615	443	10	3.3

For location see Fig. 5

K.H.

GIANT COPPER PROJECT

GEOCHEM. TRENCH

N.T.S. 92H-3 NEW WESTMINSTER M.D., B.C.

BETHLEHEM RESOURCES CORPORATION

SCALE 0 1 2 3 Metres

DRAWN BY K.H. | DATE JAN. '90 | FIGURE 10

CHONG

TABLE 2. cont'd

HOLE NUMBER	WIDTH (ft)	INTERVAL (ft)	Cu %	Ag oz/t	Au oz/t	Cu equiv %
GCR89-28	5	75 - 80	0.79	0.81	0.002	1.156
	5	135-140	0.84	0.64	0.011	1.383
	10	175-185	0.71	0.58	0.008	1.150
	20	190-210	1.25	0.94	0.016	2.048
	10	230-240	0.85	0.55	0.007	1.236
	5	290-295	0.88	0.29	0.012	1.316
GCR89-29	15	115-130	0.88	4.22	0.007	2.690
	5	140-145	0.47	1.59	0.000	1.080

6.5 Trenching Results

A total of four trenches were either created or extended during the current work program. The trenches located in the vicinity of the No. 1 Anomaly have a variable thickness of overburden ranging from a few feet to in excess of 20 feet. Results of the sampling are displayed in figures 7 and 10.

The Main road trench displayed the highest values, as was to be expected. Elements ranged to as high as Cu 1.4%, Pb 0.7%, Zn 0.07%, Au 3100 ppb, Ag 10.11 oz/st. Based on the erratic nature of the values, a clear geochemical trend is difficult to discern.

"G" road values range to Cu .18%, Pb .17%, Zn .14, Au 200 ppb, Ag 25.9 ppm. There appears to be an increase in copper to the south together with a decrease in Pb, Zn and Ag.

"I" road trench shows isolated high values but does not show a consistent trend. Values range to 367 Cu, 1211 Pb, 433 Zn, 80 ppb Au and 5.7 ppm Ag

Geochem trench does not show any obvious trends based on the available information. Highs range to 91 ppm Cu, 443 Pb, 1188 Zn, 70 ppb Au, 3.3 ppm Ag.

7.0 SUMMARY AND CONCLUSIONS

The Phase 3 - 1989 rotary drilling and trenching program was successful in discovering significant intersections of economic grade copper and gold mineralization in the southern portion of the AM breccia. This provides an excellent target in the eastern part of the breccia from which to extend the zone to the west or east. However, from previous drilling it appears that mineralization in the AM breccia is complicated by a series of offsetting structures that are not fully understood at this time. Time should be spend reviewing previous drill and underground data to gain an insight into the complexities and create a plausible geological model before additional drilling is pursued.

A zone of silver-lead-zinc-copper mineralization at the No. 1 Anomaly was intersected. Hole GCR89-29 penetrated through this main mineralized zone, into a barren zone and began to pick up indications of another mineralized zone before drilling was

halted because of extremely hard ground. This zone should be evaluated with diamond drilling.

Drilling during early 1989 at the No. 1 Anomaly 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 (Hicks, 1989). This zone is open to the west and is an excellent target for additional exploration.

Trenching on the "I" road and Main road showed anomalous values in base and precious metals; however, neither trench shows a distinctive trend and both are undercut by drilling. The Geochem trench located at 135N, 126E did not discover significant mineralization or positive geochemical trends. The "G" road extension shows a positive increase in copper values toward the south and a corresponding decrease in Pb, Zn and Ag. This correlates well with the indications of a mineralized zone at the end of hole GCR89-29.

In comparing drill sampling versus trench sampling, there are still reservations about the validity of weathered surface trenches on the No. 1 Anomaly. This style of breccia mineralization consists of recessive weathering mineralized matrix surrounding fragments of silicified but unmineralized country rock. Trench sampling of this material has a bias toward the more prominent unmineralized fragments because of the physical depletion of the matrix. In addition, the oxidation of sulphides in the subcrop environment is substantial. Therefore, samples of chips or core from drilling are considered to be more precise indicators of grade.

In all a total of 1049 meters of rotary drilling and 189 meters of trenching were completed.

8.0 RECOMMENDED EXPLORATION PROGRAM

Further exploration should concentrate on exploring the perimeter of the gabbro/diorite plug just south of the No. 1 Anomaly that is indicated by a strong magnetic low (Fig 9). The widespread low grade mineralization appears to be associated with a flank of the intrusive where underground mapping in the 10 and 15 Level adits shows there to be an abundance of interfingering mafic and felsic sills (Fig. 8). There appears to be a strong correlation between mineralization and felsic/mafic intrusive sills from GCR89-29.

Additional work should involve diamond drilling to test the area between the end of hole GCR89-29 and the 10 Level Portal. This is on the perimeter of the gabbro stock. Work by previous operators has outlined a number of copper and zinc geochemical anomalies in the vicinity of the No. 10 Level Portal which appear to coincide with the edge of the stock.

The approximate "all-in" cost of a 2000 foot diamond drill program on the No.1 Anomaly at this time of the year would be roughly $100,000.

9.0 TIMESHEET

K. Hicks Nov 2, 1989 - Jan 5, 1990 49 days

10.0 STATEMENT OF EXPENDITURES

Accommodation/Food		
55 field man-days @ $47.38/man-day		= $2,606.03
Administration supplies/services		= $ 424.01
Auto/Truck Expenses		
55 days @ $48.05/day		= $2,642.85
Consulting		
Geological		
Personnel		
K. Hicks 49 days @ $230/day		= $11,270.00
Drilling		
Rotary 3440 ft @ $13.15/ft	= $45,236.00	
Additional contractor costs		
(Mob, Demob, Materials,		
Labour charges.....)	= $14,158.11	
		= $59,394.11
Freight/shipping		= $250.00
Maps/Prints/Copies/Drafting		= $736.28
Miscellaneous		= $20.40
Drill site preparation		= $2,878.29
Road improvement and snow clearing		
D-6 Cat, working and standby		= $ 5,366.80
Salaries		
M. McKenzie 35 days @ $90.14/day		= $ 3,155.00
Trenching		
235 Cat Excavator - 600 feet		= $6,276.31
Sampling/Assays/Analysis		
751 samples @ $17.84/sample		= $13,398.00
Tools/Equipment rental/Field supplies		= $2,946.61
Travel		= $15.00
TOTAL EXPENDITURES		= $111,379.69

Ken Hicks

11.0 STATEMENT OF QUALIFICATIONS

I, Ken 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. V6J 2A5.

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 continuously since graduation.

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.

6.) I am a holder of 8000 shares in the capital of Bethlehem Resources Corporation.

Respectfully submitted,

Ken Hicks

Ken Hicks
Consulting Geologist

12.0 REFERENCES

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APPENDIX I

CLAIMS INFORMATION

GIANT COPPER PROPERTY
No. OF CLAIMS: 71 No. OF UNITS: 71
TOTAL NUMBER OF HECTARES: 1,483.9
GROUP: AM #5

CLAIM NAME	UNITS	RECORD #	AREA	RECORD DT	EXPIRY DT
*AM NO. 5	GC	L1581	20.9		
*AM	GC	L1586	20.9		
VERNON #1	1	5524	20.9	Jun 21/43	Jun 21/99
VERNON #2	1	5525	20.9	Jun 21/43	Jun 21/99
VERNON #5	1	5528	20.9	Jun 21/43	Jun 21/99
VERNON #6	1	5529	20.9	Jun 21/43	Jun 21/99
VERNON #7	1	5530	20.9	Jun 21/43	Jun 21/99
VERNON #8	1	5531	20.9	Jun 21/43	Jun 21/99
MISTY	1	7712	20.9	Apr 15/53	Apr 15/99
MISTY No.1	1	7713	20.9	Apr 15/53	Apr 15/99
MISTY No.2	1	7714	20.9	Apr 15/53	Apr 15/99
MISTY No.3	1	7715	20.9	Apr 15/53	Apr 15/99
MAY No.1	1	8041	20.9	Feb 09/54	Feb 09/99
MAY No.2	1	8042	20.9	Feb 09/54	Feb 09/99
MAY No.3	1	8043	20.9	Feb 09/54	Feb 09/99
MAY No.4	1	8044	20.9	Feb 09/54	Feb 09/99
MAY No.5	1	8045	20.9	Feb 09/54	Feb 09/99
MAY No.6	1	8046	20.9	Feb 09/54	Feb 09/99
MAY No.7	1	8047	20.9	Feb 09/54	Feb 09/99
MAY No.8	1	8048	20.9	Feb 09/54	Feb 09/99
MAY No.9	1	8049	20.9	Feb 09/54	Feb 09/99
MAY No.10	1	8051	20.9	Feb 09/54	Feb 09/99
MAY No.11	1	8052	20.9	Feb 09/54	Feb 09/99
INVERMAY N	1	8058	20.9	Feb 24/54	Feb 24/99
BROWN No.1	1	8238	20.9	Sep 01/54	Sep 01/99
BROWN No.2	1	8239	20.9	Sep 01/54	Sep 01/99
BROWN No.3	1	8240	20.9	Sep 01/54	Sep 01/99
BROWN No.4	1	8241	20.9	Sep 01/54	Sep 01/99
MAY 16	1	8781	20.9	Sep 15/55	Sep 15/99
JET 1 FR	1	10230	20.9	Dec 19/58	Dec 19/99
LOIS FR	1	19237	20.9	Jun 02/67	Jun 02/99
LOIS No.1	1	19238	20.9	Jun 02/67	Jun 02/99
LOIS No.2	1	19239	20.9	Jun 02/67	Jun 02/99
LOIS 3	1	19240	20.9	Jun 02/67	Jun 02/99
LOIS 4	1	19241	20.9	Jun 02/67	Jun 02/99
LOIS 5	1	19242	20.9	Jun 02/67	Jun 02/99
LOIS 6	1	19243	20.9	Jun 02/67	Jun 02/99
LOIS 8	1	19244	20.9	Jun 02/67	Jun 02/99
LOIS 9	1	19245	20.9	Jun 02/67	Jun 02/99
LOIS 10	1	19246	20.9	Jun 02/67	Jun 02/99
LOIS 11	1	19247	20.9	Jun 02/67	Jun 02/99
LOIS 12	1	19248	20.9	Jun 02/67	Jun 02/99
LOIS 13	1	19249	20.9	Jun 02/67	Jun 02/99
LOIS 14	1	19250	20.9	Jun 02/67	Jun 02/99
LESLIE	1	19372	20.9	Jun 13/67	Jun 13/99
LESLIE 1	1	19373	20.9	Jun 13/67	Jun 13/99
LESLIE 2	1	19374	20.9	Jun 13/67	Jun 13/99
LESLIE 3	1	19375	20.9	Jun 13/67	Jun 13/99

CLAIM NAME	UNITS	RECORD #	AREA	RECORD DT	EXPIRY DT
GC-46	1	22117	20.9	May 27/69	May 27/99
GC-48	1	22119	20.9	May 27/69	May 27/99
GC-49	1	22120	20.9	May 27/69	May 27/99
GC-50	1	22121	20.9	May 27/69	May 27/99
GC-51	1	22122	20.9	May 27/69	May 27/99
G.C. 52	1	22481	20.9	Oct 08/69	Oct 08/99
G.C. 53	1	22482	20.9	Oct 08/69	Oct 08/99
G.C. 54	1	22483	20.9	Oct 08/69	Oct 08/99
G.C, 55	1	22484	20.9	Oct 08/69	Oct 08/99
G.C. 56	1	22485	20.9	Oct 08/69	Oct 08/99
PEG No.1	1	22479	20.9	Oct 08/69	Oct 08/99
PEG No.2	1	22480	20.9	Oct 08/69	Oct 08/99
26 MILE FR	1	22735	20.9	Nov 07/69	Nov 07/99
LORNA FR	1	22736	20.9	Nov 07/69	Nov 07/99
LOIS 7 FR	1	22737	20.9	Nov 07/69	Nov 07/99
RIDGE 1 FR	1	22916	20.9	Dec 08/69	Dec 08/99
RIDGE 2 FR	1	22917	20.9	Dec 08/69	Dec 08/99
RIDGE 3 FR	1	22918	20.9	Dec 08/69	Dec 08/99
G.C. 44	1	22931	20.9	Dec 08/69	Dec 08/99
G.C. 45	1	22932	20.9	Dec 08/69	Dec 08/99
G.C. 47	1	22933	20.9	Dec 08/69	Dec 08/99
MAY FR	1	22939	20.9	Dec 08/69	Dec 08/99
REX 22 FR	1	27078	20.9	Sep 23/71	Sep 23/99

GIANT COPPER PROPERTY
No. OF CLAIMS: 39 No. OF UNITS: 41
TOTAL NUMBER OF HECTARES: 815.1
GROUP: CAMBORNE

CLAIM NAME	UNITS	RECORD #	AREA	RECORD DT	EXPIRY DT
HANK No.5	1	5536	20.9	JUN 21/43	JUN 21/94
HANK No.7	1	5538	20.9	JUN 21/43	JUN 21/94
VERNON #3	1	5526	20.9	JUN 21/43	JUN 21/94
VERNON #4	1	5527	20.9	JUN 21/43	JUN 21/94
CAMBORNE 2	1	8066	20.9	FEB 24/54	FEB 24/94
SABRE No.1	1	10232	20.9	DEC 19/58	DEC 19/94
G.E. 3 FR	1	20443	20.9	May 10/68	May 10/94
G.C. 57	1	22486	20.9	Oct 08/69	Oct 08/94
G.C. 58	1	22487	20.9	Oct 08/69	Oct 08/94
G.C. 59	1	22488	20.9	Oct 08/69	Oct 08/94
G.C. 60	1	22489	20.9	Oct 08/69	Oct 08/94
G.C. 61	1	22490	20.9	Oct 08/69	Oct 08/94
G.C. 62	1	22491	20.9	Oct 08/69	Oct 08/94
G.C. 63	1	22492	20.9	Oct 08/69	Oct 08/94
G.C. 64	1	22493	20.9	Oct 08/69	Oct 08/94
G.C. 65	1	22494	20.9	Oct 08/69	Oct 08/94
G.C. 66	1	22495	20.9	Oct 08/69	Oct 08/94
G.C. 67	1	22496	20.9	Oct 08/69	Oct 08/94
G.C. 68	1	22497	20.9	Oct 08/69	Oct 08/94
HANK No.1	1	22934	20.9	Dec 08/69	Dec 08/94
HANK No.2	1	22935	20.9	Dec 08/69	Dec 08/94
HANK No.4	1	22936	20.9	Dec 08/69	Dec 08/94
HANK No.6	1	22937	20.9	Dec 08/69	Dec 08/94
HANK No.8	1	22938	20.9	Dec 08/69	Dec 08/94
INVERMAY N	1	22941	20.9	Dec 08/69	Dec 08/94
INVERMAY N	1	22942	20.9	Dec 08/69	Dec 08/94
IP No.1 FR	1	22907	20.9	Dec 08/69	Dec 08/94
JET No.2 F	1	22940	20.9	Dec 08/69	Dec 08/94
BARB No.3	1	22906	20.9	Dec 17/69	Dec 17/94
BARB No.4	1	22905	20.9	Dec 17/69	Dec 17/94
REX #19	1	23859	20.9	Jun 12/70	Jun 12/94
REX #20	1	23860	20.9	Jun 12/70	Jun 12/94
REX #21	1	23861	20.9	Jun 12/70	Jun 12/94
REX #22	1	23862	20.9	Jun 12/70	Jun 12/94
AXE #2	1	27099	20.9	Oct 13/71	Oct 13/94
AXE #10 FR	1	27107	20.9	Oct 13/71	Oct 13/94
RAN	3	715	20.9	Sep 21/79	Sep 21/94
RAN FR	1	716	20.9	Sep 21/79	Sep 21/94
SLIDE FR	1	1041	20.9	Sep 02/80	Sep 02/94

GIANT COPPER PROPERTY
No. OF CLAIMS: 52 No. OF UNITS: 52
TOTAL NUMBER OF HECTARES: 1,086.8
GROUP: AM #1

CLAIM NAME	UNITS	RECORD #	AREA	RECORD DT	EXPIRY DT
*AM #1	CG	L1579	20.9		
CAMBORNE#1	1	8065	20.9	Feb 24/54	Feb 24/99
G.E. NO.1	1	13537	20.9	Oct 09/64	Oct 09/99
G.E. NO.2	1	13538	20.9	Oct 09/64	Oct 09/99
G.E. NO.3	1	13539	20.9	Oct 09/64	Oct 09/99
G.E. NO.4	1	13540	20.9	Oct 09/64	Oct 09/99
G.E. NO.5	1	13541	20.9	Oct 09/64	Oct 09/99
G.E. NO.6	1	13542	20.9	Oct 09/64	Oct 09/99
G.E. NO.7	1	13543	20.9	Oct 09/64	Oct 09/99
G.E. NO.8	1	13544	20.9	Oct 09/64	Oct 09/99
G.E. #9	1	20439	20.9	May 10/68	May 10/99
G.E. #10	1	20440	20.9	May 10/68	May 10/99
G.E. #11	1	20441	20.9	May 10/68	May 10/99
G.E. #12	1	20442	20.9	May 10/68	May 10/99
GM NO.27	1	20430	20.9	May 10/68	May 10/99
GM NO.28	1	20431	20.9	May 10/68	May 10/99
GM NO.29	1	20432	20.9	May 10/68	May 10/99
GM NO.30	1	20433	20.9	May 10/68	May 10/99
GM NO.31	1	20434	20.9	May 10/68	May 10/99
GM NO.32	1	20435	20.9	May 10/68	May 10/99
GC-35	1	22106	20.9	Aug 01/69	Aug 01/99
GC-36	1	22929	20.9	Dec 08/69	Dec 08/99
GC-37	1	22108	20.9	May 27/69	May 27/99
GC-38	1	22109	20.9	Aug 01/69	Aug 01/99
GC-39	1	22110	20.9	Aug 01/69	Aug 01/99
GC-40	1	22111	20.9	May 27/69	May 27/99
GC-41	1	22930	20.9	Dec 08/69	Dec 08/99
GC-42	1	22113	20.9	May 27/69	May 27/99
GC-43	1	22114	20.9	May 27/69	May 27/99
REX #11	1	23851	20.9	Jun 12/70	Jun 12/99
REX #12	1	23852	20.9	Jun 12/70	Jun 12/99
REX #13	1	23853	20.9	Jun 12/70	Jun 12/99
REX #14	1	23854	20.9	Jun 12/70	Jun 12/99
REX #15	1	23855	20.9	Jun 12/70	Jun 12/99
REX #16	1	23856	20.9	Jun 12/70	Jun 12/99
REX #17	1	23857	20.9	Jun 12/70	Jun 12/99
REX #18	1	23858	20.9	Jun 12/70	Jun 12/99
IP NO.2 FR	1	22908	20.9	Dec 08/69	Dec 08/99
IP 4 FR	1	1051	20.9	Sep 24/80	Sep 24/99
IP NO.5 FR	1	22911	20.9	Dec 08/69	Dec 08/99
IP NO.6 FR	1	22912	20.9	Dec 08/69	Dec 08/99
IP NO.7 FR	1	22913	20.9	Dec 08/69	Dec 08/99
IP NO.8 FR	1	22914	20.9	Dec 08/69	Dec 08/99
IP NO.9 FR	1	22915	20.9	Dec 08/69	Dec 08/99

CLAIM NAME	UNITS	RECORD #	AREA	RECORD DT	EXPIRY DT
JOHN 1	1	804	20.9	Dec 12/79	Dec 12/99
JOHN 2	1	805	20.9	Dec 12/79	Dec 12/99
JOHN 3	1	806	20.9	Dec 12/79	Dec 12/99
JOHN 4	1	807	20.9	Dec 12/79	Dec 12/99
RED #1	1	10226	20.9	Dec 19/58	Dec 19/99
RED #2	1	10227	20.9	Dec 19/58	Dec 19/99
RED #3	1	10228	20.9	Dec 19/58	Dec 19/99
RED #4	1	10229	20.9	Dec 19/58	Dec 19/99

GIANT COPPER PROPERTY
No. OF CLAIMS: 04 No. OF UNITS: 34
TOTAL NUMBER OF HECTARES: 850
GROUP: NORTH CANAM

CLAIM NAME	UNITS	RECORD #	AREA	RECORD DT	EXPIRY DT
CANAM 1 FR	1	3460	25	Sep 29/88	Sep 29/90
CANAM 4 FR	1	3462	25	Oct 01/88	Oct 01/99
CANAM 3	16	3463	400	Oct 01/88	Oct 01/93
CANAM 2	16	3464	400	Oct 01/88	Oct 01/93

APPENDIX II

1988 AND 1989 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
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
GCR-89-21	AM	9449	9805	5537	315	-60	160
GCR-89-22	"	9225	10005	5419	250	-45	500
GCR-89-23	"	9210	10017	5419	-	-90	200
GCR-89-24	"	9434	9841	5537	052	-60	500
GCR-89-25	"	9405	9826	5537	135	-60	520
GCR-89-26	"	9420	10085	5388	250	-45	300
GCR-89-27	"	9649	9932	5479	232	-45	520
GCR-89-28	"	9637	9950	5481	184	-45	300
GCR-89-29	No 1	11346	11728	5080	160	-45	440

APPENDIX III

1989 PROGRAM - DRILL LOGS

DIAMOND DRILL HOLE RECORD
Bethlehem Resources Corporation

Property GIANT COPPER

Level A.M. Breccia		Lat. 9449 N	Dip Tests		Hole No. GCR89-21
Location		Dep. 9805 E	Footage	Angle	Sheet No. 1
		Elev. 5537 FT.			
Length	H.C.	Bearing 315°			Total Recov.
160 FT.	V.C.	Slope -60°			Logged by KEN HICKS

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION	NO.	FROM	TO	FEET	ppm Cu	ppb Au	ppm Ag	ppm Mo	ppm Zn	ppm Pb	ppm As	Graphic
0	160	BRECCIATED SEDIMENTS AND INTRUSIVE													
		0-10 CASING													
		10-20 RUSTY WEATHERING, SILICIFIED F.G. TAN COLORED SEDIMENTS, F.G. BLACK ALT'N ASSOC WITH SILICIFICATION (POSS TUFF). APPROXIMATELY 50% F.G. BLACK SEDIMENTS (ARGILLITE). MINOR CPY		62051	10	15		1787	20	5.3	5	47	20	407	
				52	15	20		1045	20	2.2	5	50	22	306	
		20-25 FEW CHIPS, MAFIC PHENOCRYSTS WITH SILICIFIED MATRIX (DIORITE INTRUSIVE)		62053	20	25		1577	10	3.2	14	83	27	278	
				54	25	30		1033	nd	2.5	4	34	20	316	
		25-40		55	30	35		9124	70	17.8	3	95	21	794	
				56	35	40		3931	30	9.3	4	97	34	301	
		40-45 LT GREY-GREENISH F.G. CLAY ALTERED SEDS WITH MINOR BLACK TUFF. MINOR CPY	MINOR CPY	62057	40	45		2279	50	5.2	4	107	35	301	
		45-55 MIX OF LT GREY & BROWNISH-RED SEDIMENTS. TRACE CPY. POSSIBLE FELSIC INTRUSIVE.	TRACE CPY	62058	45	50		2226	30	4.6	4	207	44	133	
		55-60 AS ABOVE, GOOD CPY	GOOD CPY	62059	50	55		11584	20	23.1	2	88	27	174	
		60-80 LT TAN - WKLY RUSTY FELSIC INTRUSIVE WITH MINOR MAFIC CHIPS.		62060	55	60		7529	20	14.9	1	105	27	101	
				61	60	65		5246	50	12.9	3	150	39	176	
		80-85 AS ABOVE, MOD CPY	MODERATE CPY	62	65	70		3097	10	6.4	1	78	27	92	
		85-90 DOMINANTLY F.G. TAN-BROWNISH FELSIC INTRUSIVE WITH MINOR CPY	MINOR CPY	63	70	75		731	nd	1.8	2	655	42	79	
				64	75	80		411	nd	1.1	2	128	29	117	
		90-100 MIX OF TAN, F.G. FELSIC INTRUSIVE & F.G. GREY SILICEOUS SEDS		65	80	85		2128	280	4.9	4	121	30	211	
				66	85	90		2167	70	4.3	2	45	29	203	
				67	90	95		687	20	1.2	3	72	29	130	
		100-110 DOMINANTLY DARK GREY, F.G. DIORITIC INTRUSIVE, MINOR F.G. TAN-BROWNISH FELSIC INTRUSIVE WITH MINOR GREY SILICEOUS SEDS ABOUT BROWNISH COLORED VEIN QTZ WITH ACICULAR CRYSTALS. ACICULAR MAFIC PHENOCRYSTS.		62069	95	100		259	230	0.9	2	64	26	538	
				69	100	105		306	100	1.1	2	49	22	726	
				70	105	110		230	50	0.5	1	50	22	518	
		110-115 MIX OF DK GREY F.G. DIORITIC INTRUSIVE & GREY SILICEOUS SEDS & BROWNISH-RUSTY WKA FELSIC INTRUSIVE		62071	110	115		50	70	0.4	1	50	23	507	

DIAMOND DRILL HOLE RECORD
Bethlehem Resources Corporation

Property GIANT COPPER

Level A.M. Breccia		Lat.	Dip Tests		Hole No. GCR89-21
Location		Dep.	Footage	Angle	Sheet No. 2
		Elev.			
Length	H.C.	Bearing			Total Recov.
	V.C.	Slope			Logged by KEN HICKS

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION	NO.	FROM	TO	FEET	ppm Cu	ppb Au	ppm Ag	ppm Mo	ppm Zn	ppm Pb	ppm As	Graphic
		115-120 DOMINANTLY DARK GREY F.G. DIORITIC INTRUSIVE, MINOR F.G. TAN-BROWNISH FELSIC INTRUSIVE & MINOR GREY SILICEOUS SEDS.		62072	115	120		47	140	0.5	1	42	17	543	
		120-125 AS ABOVE, MINOR CPY	MINOR CPY	62073	120	125		577	100	1.8	3	45	20	554	
		125-135 AS ABOVE		62074	125	130		563	120	1.6	2	50	20	640	
				75	130	135		752	80	1.8	3	43	20	758	
		135-195 AS ABOVE WITH MINOR VEIN QTZ, TRACE ASPY. GOOD BRECCIA FRAGS.	TRACE ASPY	62076	135	140		483	120	1.1	1	43	20	1059	
				77	140	145		433	60	1.2	2	46	21	433	
		145-150 DOMINANTLY TAN-BROWN F.G. FELSIC CHIPS, LESSER DK DIORITIC INTRUSIVE. MINOR VEIN QTZ WITH ASPY.	TRACE ASPY	62078	145	150		282	250	0.5	1	29	22	>2000	
		150-155 AS ABOVE, MINOR ASPY & PY IN QTZ/FLD VEIN MATERIAL	MINOR ASPY MINOR PY	62079	150	155		377	380	1.0	2	26	20	>2000	
		155-160 AS ABOVE, WITH MINOR ASPY & CPY IN FELSIC MATERIAL	MINOR ASPY MINOR CPY	62080	155	160		5151	240	9.6	2	51	24	1468	
		EOH													

DIAMOND DRILL HOLE RECORD
Bethlehem Resources Corporation

Property GIANT COPPER

Level A.M. Breccia	Lat. 9225 N	Dip Tests		Hole No. GCR89-22
Location	Dep. 10005 E	Footage	Angle	Sheet No. 1
	Elev. 5419 FT			
Length H.C.	Bearing 250°			Total Recov.
500 FT V.C.	Slope -45°			Logged by KEN HICK

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION	No.	FROM	TO	FEET	ppm Cu	ppb Au	ppm Ag	ppm Mo	ppm Zn	ppm Pb	ppm As	Graphic
0	500	BRECCIA AND INTRUSIVE													
		0-5 RUSTY, MANGANIFEROUS MIX OF F.G. GREY SEDS & GREY, SPECKLED, STRONGLY CLAY ALTERED FELSIC DYKE. MINOR DK CRYSTALLINE MINERAL, SP.?		62081	0	5		2239	70	0.8	43	118	24	1137	
		5-10 AS ABOVE WITH MINOR Mφ; WHITE-LT GREEN SERICITE/CLAY, & DISS Py.		62082	5	10		317	40	0.7	489	33	2.0	1606	
		10-15 GREY SED FRAGS & GREY, MOTTLED FELSIC DYKE? GOOD Mφ & ASPy (~1%). MINOR MAFIC CHIPS. MINOR CPy. Mφ ON THIN FRACTURES, CPy & ASPy ASSOCIATED WITH QUARTZ VEINLETS.	Mφ ~ 1% ASPy ~ 1% MINOR CPy	62083	10	15		259	260	0.8	447	29	19	>2000	
		15-20 GREY, MOTTLED (SILICIFIED AS USUAL) FELSIC DYKE OR INTRUSIVE. WHITISH SERICITE ALT'N OF FELDSPARS. APPROXIMATELY 5% MAFIC CHIPS. MOD ASPy & MINOR Mφ	Mo < ½% ASPy ~ 1%	62084	15	20		494	140	1.0	59	141	26	>2000	
		20-30 DK GREY SILICIFIED SEDS, DARK F.G. SEDS & MOTTLED GREY DYKE. CPy ~ 1%, Py ~ 1%. TRACE ASPy	CPy ~ 1% ASPy - TRACE	62085	20	25		6280	70	14.4	387	317	48	1370	
				86	25	30		4176	100	12.1	950	775	161	151	
		30-35 AS ABOVE, ½% CPy	CPy ~ ½%	62087	30	35		5107	180	13.9	590	806	154	294	
		35-40 " " 1-2% CPy & Py	CPy ~ 1-2%	88	35	40		6818	160	20.1	712	828	189	132	
		40-45 " " 2-3% CPy & Py	CPy ~ 2-3%	89	40	45		6851	190	18.1	228	921	218	497	
		45-50 " " ~1% CPy	CPy ~ 1%	90	45	50		3217	120	8.9	133	508	104	61	
		50-60 " " ½-1% CPy	CPy ~ ½-1%	91	50	55		6605	120	20.3	114	737	73	149	
		60-65 DOMINANTLY F.G. GREY SILICEOUS SEDS WITH LESSER DK GREY F.G. INTRUSIVE. MODERATE QTZ-CALCITE VEINING. MINOR Tφ, CPy ~ ½%	CPy ~ ½%	92	55	60		2876	60	6.7	112	641	46	129	
				93	60	65		3591	100	8.6	207	370	71	744	
		65-70 AS ABOVE CPy 2-3%	CPy ~ 2-3%	62094	65	70		5603	110	12.1	98	438	44	205	
		70-75 DOMINANTLY DK GREY F.G. SILICEOUS SEDS, MINOR QTZ-FELDSPAR (VEIN?) CHIPS, INTERGROWN LIKE MICROPEGMATITE. CPy ~ 2%, Py ~ 1%, TRACE Mφ ON FRAC.	CPy ~ 2% Py ~ 1% Mo ~ TRACE	95	70	75		2092	100	3.8	45	287	64	94	
		75-85 AS ABOVE, CPy ~ 2-3%, Py ~ 1%	CPy ~ 2-3%	62096	75	80		7898	240	13.6	19	507	88	62	
		85-90 " " CPy ~ 2-3%, Py ~ 1%, MINOR WHITE QTZ VEIN CHIPS ~ 5%	CPy ~ 2-3%	97	80	85		10001	240	24.1	16	715	138	38	
				98	85	90		10124	290	20.8	13	604	165	38	
		90-105 AS ABOVE, CPy 1-2%, Py ~ 1%, VEIN QTZ ~ 3%	CPy ~ 1-2%	98	90	95		5977	170	9.1	25	389	69	30	
				62100	95	100		10852	720	14.6	14	427	86	84	
				101	100	105		9416	330	22.1	30	1379	232	47	

DIAMOND DRILL HOLE RECORD

Bethlehem Resources Corporation

GIANT COPPER

Property

Level A.M. Breccia		Lat.	Dip Tests		Hole No. GCR89-22
Location		Dep.	Footage	Angle	Sheet No. 2
		Elev.			
Length	H.C.	Bearing			Total Recov.
	V.C.	Slope			Logged by KEN HICKS

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION	No:	FROM	TO	FEET	ppm Cu	ppb Au	ppm Ag	ppm Mo	ppm Zn	ppm Pb	ppm As	Graphic
		105-110 DOMINANTLY LT GREY SILICEOUS SEDS. QTZ FLOODING PERVASIVE IN MICADEFACTING. UNUSUAL STRONGLY SILICIFIED CHIPS LOOK LIKE PATCHY ALTERED FELSIC INTRUSIVE. CPy ~ 1% Py ~ 1%	CPy ~ 1% Py ~ 1%	62102	105	110		3875	110	8.3	71	378	52	276	
		110-115 AS ABOVE BUT DOMINANTLY MOTTLED-LOOKING, MINOR CHLORITIC ALT'N OF FELSIC CHIP. CPy+Py ~ 1%	CPy+Py ~ 1%	62103	110	115		804	50	1.2	94	102	28	659	
		115-120 AS ABOVE, MED GREEN-LT GREY FELSIC CHIPS; POSSIBLE MALACITE. CPy < ½%, Py ~ 1%, TRACE Mo	CPy < ½% Py ~ 1% Mo ~ TRACE	62109	115	120		301	30	0.5	127	147	25	538	
		120-130 AS ABOVE, 1% Py, TRACE CPy	CPy ~ TRACE Py ~ 1%	62105	120	125		693	40	0.9	36	83	22	249	
				106	125	130		430	60	0.4	20	87	28	1042	
		130-145 MIX OF GREY SILICEOUS SEDS & DK, F.G. MAFIC INTRUSIVE & TAN FELSIC INTRUSIVE CHIPS. Py ~ 1%, TRACE - CPy	CPy ~ TRACE Py ~ 1%	62107	130	135		949	20	1.5	14	991	45	192	
				108	135	140		288	20	0.4	20	176	29	139	
				109	140	145		1053	40	2.1	23	159	40	145	
		145-150 AS ABOVE, Py ~ 1%, CPy ~ ½-1%	CPy ~ ½-1%	62110	145	150		1039	50	2.5	20	554	53	101	
		150-165 AS ABOVE, Py ~ 1%, CPy < ½%	CPy < ½%	111	150	155		1040	20	2.1	23	903	52	88	
				113	155	160		772	100	2.1	11	1457	54	98	
		165-170 DOMINANTLY LT GREY-GREEN F.G. FELSIC INTRUSIVE WITH MINOR F.G. LT GREY SILICEOUS SEDS. MINOR PINKISH QTZ/FELDSPAR WITH TRACE CPy	CPy ~ TRACE	112	160	165		988	50	1.8	8	1908	61	207	
				114	165	170		810	30	1.8	5	813	39	127	
		170-175 AS ABOVE, Py ~ 1%, CPy ~ 1-2%	CPy ~ 1-2% Py ~ 1%	62115	170	175		8970	40	17.9	2	469	42	91	
		175-185 MIX OF F.G. DK MAFIC INTRUSIVE CHIPS, TAN FELSIC INTRUSIVE & LT GREY SILICEOUS SEDS CPy ~ 1%	CPy ~ 1%	62120	175	180		288	60	1.3	30	107	31	294	
				116	180	185		4529	190	10.0	16	366	54	165	
		185-235 DOMINANTLY DK, F.G. MAFIC INTRUSIVE CHIPS, STRONGLY SILICIFIED. POSSIBLE MAFIC DYKE. Py ~ 1%, CPy < ½%	CPy < ½% Py ~ 1%	62117	185	190		604	100	1.8	4	136	31	49	
				118	190	195		1247	60	3.2	5	178	33	229	
				119	195	200		684	20	2.1	2	270	41	25	
				120	200	205		1543	10	3.4	22	250	73	80	
		235-240 MIX OF LT GREY-BROWN FELSIC INTRUSIVE & DK, F.G. MAFIC INTRUSIVE. TRACE Py MINOR MALACITE.		121	205	210		1028	40	3.3	6	563	115	77	
				122	210	215		1104	30	3.0	2	220	47	75	
				123	215	220		409	20	1.0	2	110	32	33	
		240-295 DOMINANTLY LT GREY-TAN FELSIC INTRUSIVE WITH LESSER F.G.-GREY SILICEOUS SEDS STRONG SERICITIC ALT'N OF FELDSPARS.		124	220	225		518	nd	2.3	3	792	110	8	
				125	225	230		277	nd	1.4	3	98	36	9	

DIAMOND DRILL HOLE RECORD

Bethlehem Resources Corporation

GIANT COPPER

Property

Level A.M. Breccia		Lat.	Dip Tests		Hole No. GCR89-22
Location		Dep.	Footage	Angle	Sheet No. 3
		Elev.			
Length	H.C.	Bearing			Total Recov.
	V.C.	Slope			Logged by KEN HICKS

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION	NO.	FROM	TO	FEET	ppm Cu	ppb Au	ppm Ag	ppm Mo	ppm Zn	ppm Pb	ppm As	Graphic
				62126	230	235		399	40	1.7	5	163	40	25	
245	250	AS ABOVE & MINOR F.G. MAFIC INTRUSIVE CHIPS STRONG SERICITE ALT'N · CPy ~ ½-1%	CPy ~ ½-1%	127	235	240		260	100	1.6	7	234	48	54	
				128	240	245		278	20	1.0	31	105	29	230	
250	255	AS ABOVE, STRONGLY ALTERED AND SILICIFIED FELSIC INTRUSIVE · MINOR WHITE QTZ.		130	245	250		5779	100	11.7	5	381	39	121	
				130	250	255		1937	50	3.7	6	144	36	304	
255	260	LT GREENISH-GREY FELSIC INTRUSIVE WITH LESSER DK F.G. MAFIC CHIPS. MINOR PINKISH QTZ/FELDSPAR CHIPS · LT GREEN ALT'N-SERICITE CPy < ½%.	CPy < ½%	131	255	260		325	nd	0.6	6	104	33	119	
				132	260	265		7239	130	11.0	36	114	37	186	
260	270	AS ABOVE, WHITISH-LT GREEN FELSIC INTRUSIVE CHIPS · CPy ~ 1%	CPy ~ 1%	62133	265	270		547	120	1.4	7	64	27	169	
				135	270	275		923	460	2.1	6	149	32	83	
270	275	AS ABOVE, CPy < ½%, Py < ½%	CPy < ½%	62136	275	280		3724	30	6.5	8	332	38	75	
275	280	MIX OF LT GREY-LT OLIVE GREEN FELSIC CHIPS WITH MINUTE FELDSPAR LATHES · STRONGLY ALTERED TO SERICITE. MINOR LT GRY, SILICEOUS SEDS · CPy < ½%.	CPy < ½%	62137	280	285		978	180	1.5	16	93	40	210	
280	290	MIX OF GREY SILICEOUS SEDS & GREEN-GREY FELSIC INTRUSIVE. CPy < ½%	CPy < ½%	62138	285	290		1504	10	3.5	6	137	38	153	
				139	290	295		1318	80	3.0	9	147	33	110	
290	295	MIX OF GRY & TAN-LT BROWN SILICEOUS SEDS · MINOR SPOTTED Tp · CPy < ½%.	CPy < ½%	62140	295	300		167	20	0.6	9	22	31	440	
295	300	MIX OF GREY SILICEOUS SEDS & GREY-GREEN FELSIC INTRUSIVE & DK F.G. MAFIC INTRUSIVE. TRACE ASPy	ASPy ~ TRACE	62141	300	305		605	50	1.2	8	120	41	75	
300	305	F.G. DARK MAFIC INTRUSIVE WITH MINOR WHITE VEIN QTZ · Py < ½%		62142	305	310		550	110	1.6	4	153	48	117	
305	310	DOMINANTLY F.G. MAFIC INTRUSIVE, LESSER LT GREY FELSIC INTRUSIVE & F.G. GREY SILICEOUS SEDS · MINOR WHITE QTZ · CPy < ½%	CPy < ½%	62143	310	315		1349	70	4.0	5	111	36	68	
310	315	DOMINANTLY GREY SILICEOUS SEDS WITH LESSER GREY-TAN FELSIC INTRUSIVE, MINOR DK MAFIC INTRUSIVE CHIPS. TRACE VEIN QTZ CPy ½-1% · TRACE-GALENA	CPy ~ ½-1% GA ~ TRACE	62144	315	320		2060	230	4.1	8	79	28	64	

DIAMOND DRILL HOLE RECORD
Bethlehem Resources Corporation
GIANT COPPER

Property

Level A.M. Breccia		Lat.	Dip Tests		Hole No. GCR89-22
Location		Dep.	Footage	Angle	Sheet No. 4
		Elev.			
Length	H.C.	Bearing			Total Recov.
	V.C.	Slope			Logged by KEN HICKS

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION	NO.	FROM	TO	FEET	ppm Cu	ppb Au	ppm Ag	ppm Mo	ppm Zn	ppm Pb	ppm As	Graphic
		315-325 AS ABOVE, MINOR Tr IN FRACTURES Cpy ~ ½-1%	Cpy ~ ½-1%	62145	320	325		3953	170	7.9	15	190	44	159	
				146	325	330		3051	nd	5.6	6	96	39	113	
		325-330 DOMINANTLY MOTTLED GREY-GREEN FELSIC INTRUSIVE, MINOR F.G. MAFIC INTRUSIVE & PINKISH QTZ/FELDSPAR INTERGRANSTNS · Cpy ~ 1%	Cpy ~ 1%	62147	330	335		560	70	1.0	6	56	40	753	
		330-335 AS ABOVE, BUT Py ~ ½%		62148	335	340		296	70	0.6	9	32	44	972	
		335-345 MIX OF F.G. DK MAFIC INTRUSIVE, GREY-GREEN FELSIC INTRUSIVE · TRACE QTZ/FELDSPAR WITH SULPHIDES · Cpy ~ ½% · TRACE-ASPy ABDT GREY CLAY (FAULT GOUGE)	Cpy ~ ½%	62149	340	345		1434	40	2.7	5	58	38	784	
			ASPy ~ TRACE	150	345	350		2321	40	4.0	6	72	34	433	
		345-350 MIX OF GREY SILICEOUS SEDS, GREY-GREEN FELSIC INTRUSIVE AND F.G. MAFIC INTRUSIVE Cpy ~ 1%	Cpy ~ 1%	62150	350	355		497	30	1.5	5	369	63	543	
		350-360 AS ABOVE, Cpy < ½%	Cpy < ½%	62151	355	360		900	50	2.2	2	542	90	170	
		360-365 DOMINANTLY GREY-GREEN MOTTLED FELSIC INTRUSIVE, MINOR F.G. MAFIC INTRUSIVE, & F.G. GREY SILICEOUS SEDS.		153	360	365		419	60	1.2	8	624	33	568	
				154	365	370		1159	80	1.6	5	66	32	1551	
		365-370 AS ABOVE, Py ~ 1-2%, Cpy < ½%	Cpy < ½%	62155	370	375		430	7954	3.5	34	88	43	>2000	
		370-375 " ", ASPy ~ 1%	ASPy ~ 1%	156	375	380		582	180	3.0	4	434	95	>2000	
		375-380 DOMINANTLY F.G. MAFIC QUARTZ DIORITE INTRUSIVE · MINOR GREY-GREEN FELSIC INTRUSIVE TRACE Py.		158	380	385		3559	190	19.8	21	439	355	>2000	
		380-385 MIX OF GREY SILICEOUS SEDS, GREY-GREEN FELSIC INTRUSIVE AND MINOR F.G. MAFIC INTRUSIVE CHIPS. GREY CLAY-FAULT GOUGE · Cpy ~ 1-2% ASPy ~ ½%	Cpy ~ 1-2% ASPy ~ ½%	62159	385	390		12795	430	62.1	16	2877	807	>2000	
		385-390 DOMINANTLY F.G. MAFIC INTRUSIVE WITH MINOR MOTTLED GREY-GREEN FELSIC INTRUSIVE · Cpy ~ 3-5%, G.G ASPy ~ 1%	Cpy ~ 3-5% ASPy ~ 1%	62159	390	395		8386	700	48.7	22	1118	1037	>2000	
		390-395 MIX OF F.G. MAFIC INTRUSIVE, GREY-GREEN FELSIC INTRUSIVE & F.G. GREY SILICEOUS SEDS · Cpy 3-5%, ASPy ~ 2-3% · OCCURRING TOGETHER	Cpy ~ 3-5% ASPy ~ 2-3%	62160	395	400		3203	150	22.3	11	910	471	1741	

DIAMOND DRILL HOLE RECORD

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Property

Level A.M. Breccia		Lat.	Dip Tests		Hole No. GCR89-22
Location		Dep.	Footage	Angle	Sheet No. 5
		Elev.			
Length	H.C.	Bearing			Total Recov.
	V.C.	Slope			Logged by KEN HICKS

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION	No.	FROM	TO	FEET	ppm Cu	ppb Au	ppm Ag	ppm Mo	ppm Zn	ppm Pb	ppm As	Graphic
		395-405 DOMINANTLY GREY-GREEN FELSIC INTRUSIVE WITH MINOR F.G. MAFIC INTRUSIVE CHIPS. MINOR SPOTS OF Tr. Cpy ~ ½%, Py ~ ½%, ASPy ~ 1%	Cpy ~ ½% ASPy ~ 1%	62160	400	405		1543	200	10.4	6	451	291	>2000	
				161	405	410		6498	340	29.5	10	1227	517	>2000	
		405-410 MIX OF DK GREY & GREY SILICEOUS SEDS, GREY-GREEN FELSIC & MAFIC INTRUSIVE. Cpy ~ 1-2%, ASPy ~ 1%.	Cpy ~ 1-2% ASPy ~ 1%	62162	410	415		6056	180	27.6	18	871	480	>2000	
		410-415 AS ABOVE, Cpy ~ 3-5%, ASPy ~ 1-2%	Cpy ~ 3-5%, ASPy 1-2%	62163	415	420		2930	60	10.9	11	850	282	>2000	
		415-420 DOMINANTLY F.G. GREY SILICEOUS SEDS AND LESSER GREY-GREEN FELSIC INTRUSIVE MINOR Tr ABDT F.G. ASPy ~ 3-5%, Cpy ~ ½%	ASPy ~ 3-5% Cpy ~ ½%	62164	420	425		3140	150	15.1	17	2057	404	>2000	
		420-425 AS ABOVE WITH Cpy ~ ½-1%, ASPy ½-1%	Cpy ~ ½-1%	62166	425	430		1306	140	10.3	11	439	276	>2000	
		425-430 MIX OF F.G. MAFIC INTRUSIVE & COMPLETELY CLAY-ALTERED GREEN-GREY CHIPS. Cpy ~ ½%	ASPy ~ ½-1%	62167	430	435		3157	280	19.0	9	1035	621	>2000	
		430-435 DOMINANTLY LT-DK GREY FELSIC INTRUSIVE WITH MINOR F.G. MAFIC INTRUSIVE CHIPS. Cpy ~ 1-1½%, ASPy ~ ½-1%	Cpy ~ 1-1½%, ASPy ~ ½-1%	62168	435	440		5650	1050	25.0	15	337	304	>2000	
		435-440 MIX OF GREY-GREEN FELSIC INTRUSIVE & LT-DK GREY F.G. SILICEOUS SEDS. MINOR DK MAFIC INTRUSIVE CHIPS. Cpy ~ ½-1%, ASPy ~ ½% Py ~ 1%, TRACE GALENA.	Cpy ~ ½-1% ASPy ~ ½% GA ~ TRACE	62169	440	445		917	70	5.1	6	216	119	1015	
		440-445 DOMINANTLY F.G. MAFIC INTRUSIVE WITH LESSER GREY-GREEN MOTTLED FELSIC INTRUSIVE. MINOR FELDSPAR LATHES IN MAFIC CHIPS. ASPy ~ TRACE.	ASPy ~ TRACE	62170	445	450		3227	400	18.4	21	1651	776	>2000	
		445-450 MIX OF GREY-GREEN FELSIC INTRUSIVE, GREY SILICEOUS SEDS AND MAFIC INTRUSIVE. ASPy ~ 2-3% Cpy < ½%.	Cpy < ½% ASPy ~ 2-3%	62171	450	455		7777	330	36.5	12	3404	642	>2000	
		450-460 AS ABOVE. Cpy ½-1%, ASPy < ½%	Cpy ½-1%, ASPy < ½%	62172	455	460		2356	120	14.8	34	881	442	>2000	
				173	460	465		2752	540	17.3	31	147	276	>2000	
		460-465 DOMINANTLY MAFIC INTRUSIVE. Cpy ~ ½%	Cpy ~ ½%	62173	465	470		2734	500	15.4	35	258	282	>2000	
		465-470 SAME AS 445-450. Cpy ~ ½-1%. ASPy ~ TRACE	Cpy ½-1%, ASPy ~ TRACE	62174	470	475		2952	240	11.6	30	228	140	>2000	
		470-480 GREY-GREEN FELSIC INTRUSIVE & GREY SILICEOUS SEDS. Cpy < ½%	Cpy < ½%	62175	475	480		1334	50	7.0	39	676	295	1109	
				176	480	485		1244	230	4.3	58	313	95	>2000	
		480-490 MIX OF F.G. MAFIC INTRUSIVE & FELSIC INTRUSIVE ASPy ~ 2-3%, Cpy ½-1%	Cpy ½-1%, ASPy 2-3%	62178	485	490		5998	1200	29.0	601	296	338	>2000	
				179	490	495		654	90	1.0	15	84	31	651	
		490-500 DOMINANTLY MAFIC INTRUSIVE & DK GREY SILICEOUS SEDS - MINOR Py.		62180	495	500		313	430	1.0	8	82	26	355	
		EOH													

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Property

Level A.M. Breccia		Lat. 9210 N	Dip Tests		Hole No. GCR89-23
Location		Dep. 10017 E	Footage	Angle	Sheet No. 1
		Elev. 5419 FT			
Length	H.C.	Bearing VERTICAL			Total Recov.
200 FT	V.C.	Slope -90°			Logged by KEN HICKS

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION	NO.	FROM	TO	FEET	ppm Cu	ppb Au	ppm Ag	ppm Mo	ppm Zn	ppm Pb	ppm As	Graphic
0	200	BRECCIATED SEDIMENTS AND INTRUSIVE													
		0-5 MIX OF GREY SILICEOUS SEDS & LT-DK GREY FELSIC INTRUSIVE. ABDT F.G. DARK MINERAL. Py ~ 2%, CPy < ½%, GOOD MOLY.	CPy < ½%, GOOD Mo	62181	0	5		7901	120	23.2	1600	1496	298	112	
		5-10 AS ABOVE, Py ~ 1-2%, CPy ~ TRACE, MOD MOLY	CPy ~ TRACE, MOD MOLY	62182	5	10		5362	60	13.8	996	1402	236	164	
		10-20 " " Py ~ 1-2% CPy ~ TRACE	CPy ~ TRACE	183	10	15		5111	90	13.3	1500	1384	265	230	
		20-35 " " Py ~ 1-2%, CPy ~ TRACE MOD MOLY	CPy ~ TRACE, MOD MOLY	184	15	20		1774	250	6.5	434	1061	265	158	
		35-45 " " Py ~ 3-4%, CPy TRACE	CPy ~ TRACE	185	20	25		3620	170	25.0	610	1501	461	1187	
		45-50 " " Py ~ 1-2%, CPy ~ ½-1%	CPy ½-1%	186	25	30		3074	110	19.7	275	1127	359	595	
		50-55 " " Py ~ 1%, CPy ~ 1%	CPy ~ 1%	187	30	35		2060	220	13.2	144	1068	406	453	
		55-60 " " Py ~ 1-2%, CPy ~ TRACE	CPy ~ TRACE	188	35	40		2750	160	19.5	236	1126	531	414	
		60-65 " " Py ~ 1-2%		189	40	45		5127	180	36.0	493	2406	1128	443	
				190	45	50		9401	180	57.3	729	3698	1552	1204	
		65-70 GREY SILICEOUS SEDS & MINOR MAFIC INTRUSIVE		191	50	55		9844	330	50.7	1500	2965	1314	1254	
		70-75 AS ABOVE, Py ~ 1%		192	55	60		2029	50	7.0	214	433	204	193	
		75-80 " " Py ~ 1-2%, CPy ~ TRACE	CPy ~ TRACE	193	60	65		710	50	2.4	37	235	73	50	
				194	65	70		273	20	1.3	95	158	84	16	
		80-85 MIX OF MAFIC INTRUSIVE & GREY SILICEOUS SEDS		195	70	75		467	70	1.4	69	137	64	32	
		85-90 AS ABOVE, Py ~ 1%		196	75	80		623	70	1.9	168	121	66	56	
		90-105 " "		197	80	85		238	30	0.7	38	162	50	11	
		105-110 " " , Py ~ ½%, CPy ~ ½%	CPy ~ ½%	198	85	90		369	20	1.5	152	545	219	55	
				199	90	95		175	40	0.6	26	152	40	47	
		110-115 DOMINANTLY F.G. MAFIC INTRUSIVE, MINOR GREY SILICEOUS SEDS		200	95	100		177	30	0.3	14	133	36	34	
				201	100	105		278	40	0.7	27	159	39	34	
		115-120 AS ABOVE, Py ~ ½-1%, CPy < ½%	CPy < ½%	202	105	110		472	30	2.5	11	350	139	288	
		120-160 " " .		203	110	115		209	50	1.0	9	483	121	578	
		160-165 " " , CPy ~ ½%, ASPy ~ TRACE	CPy ~ ½%, ASPy TRACE	204	115	120		234	50	0.9	4	359	89	251	
		165-180 " " .		205	120	125		179	20	0.4	19	262	64	54	
				206	125	130		119	20	0.5	8	261	50	60	
		180-185 DOMINANTLY GREY SILICEOUS SEDS, MINOR F.G. MAFIC INTRUSIVE. CPy ~ TRACE, ASPy ~ TRACE	CPy ~ TRACE, ASPy ~ TRACE	207	130	135		102	30	0.2	4	150	37	31	
				208	135	140		30	20	0.2	<1	141	33	47	
		185-195 AS ABOVE.		209	140	145		60	40	0.1	1	126	36	27	
		195-200 " " , Py ~ 1%		210	145	150		233	40	0.6	19	185	44	134	
				211	150	155		302	70	0.8	17	152	41	183	
		200 EOH		212	155	160		206	30	0.2	11	114	33	80	
				213	160	165		504	50	1.4	31	212	67	108	
				214	165	170		177	40	0.5	12	197	97	78	
				215	170	175		184	30	0.5	7	122	38	40	

DIAMOND DRILL HOLE RECORD

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Property

Level A.M. Breccia		Lat.	Dip Tests		Hole No. GCR89-23
Location		Dep.	Footage	Angle	Sheet No. 2
		Elev.			
Length	H.C.	Bearing			Total Recov.
	V.C.	Slope			Logged by KEN HICKS

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION	NO.	FROM	TO	FEET	ppm Cu	ppb Au	ppm Ag	ppm Mo	ppm Zn	ppm Pb	ppm As	Graphic
				62216	175	180		161	70	0.4	11	118	46	52	
				217	180	185		221	130	2.9	8	1128	508	1151	
				218	185	190		114	50	0.2	5	110	49	108	
				219	190	195		137	10	0.3	5	80	26	42	
				62220	195	200		221	20	0.3	4	144	31	45	

DIAMOND DRILL HOLE RECORD

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Property

Level A.M. Breccia	Lat. 9434 N	Dip Tests		Hole No. GCR89-24
Location	Dep. 9841 E	Footage	Angle	Sheet No. 1
	Elev. 5537 FT			
Length / H.C.	Bearing 052°			Total Recov.
500 FT. / V.C.	Slope -60°			Logged by KEN HICKS

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION	No.	FROM	TO	FEET	ppm Cu	ppb Au	ppm Ag	ppm Mo	ppm Zn	ppm Pb	ppm As	Graphic
0	500	MIXED INTRUSIVE AND BRECCIA													
		0-20 RUSTY WEATHERING CHIPS, OVERBURDEN		62221	10	15		1563	60	3.5	13	239	39	509	
				222	15	20		3253	80	8.9	15	190	35	560	
		20-30 MIX OF RUSTY WEA CHIPS, GREY SILICEOUS SEDS F.G. MAFIC INTRUSIVE & LT GREY FELSIC INTRUSIVE. MINOR ACICULAR Tm. Cpy ~ 1-1½%	Cpy ~ 1-1½%	62223	20	25		4711	180	12.4	12	76	19	390	
				224	25	30		7136	160	19.8	11	105	20	503	
		30-35 AS ABOVE, Cpy ~ ½-1%	Cpy ~ ½-1%	62225	30	35		6127	110	20.1	9	200	34	407	
		35-45 " " , Cpy < ½%	Cpy < ½%	226	35	40		3662	110	15.2	<1	731	60	138	
		45-75 " " , RUSTY WEA.		227	40	45		2704	30	9.5	2	243	34	237	
				228	45	50		937	30	3.5	2	344	29	225	
		75-80 DOMINANTLY F.G. MAFIC INTRUSIVE, MINOR GREY FELSIC INTRUSIVE. Py ~ 3-5%.		229	50	55		754	20	2.5	1	79	25	342	
				230	55	60		740	10	2.6	1	188	22	145	
				231	60	65		615	30	1.7	<1	143	21	318	
		80-85 MIX OF F.G. MAFIC INTRUSIVE & GREY FELSIC INTRUSIVE. Py ~ 1%.		232	65	70		590	20	1.6	1	143	22	131	
				233	70	75		755	20	2.3	<1	99	25	150	
		85-100 AS ABOVE, RUSTY WEA.		239	75	80		501	30	1.3	1	146	37	76	
				235	80	85		710	30	2.4	3	216	36	121	
		100-105 DOMINANTLY DK GREY SILICEOUS SEDS		236	85	90		495	20	1.3	3	97	16	158	
				237	90	95		133	140	0.4	2	35	9	314	
		105-110 MIX OF QTZ RICH RUSTY WEA CHIPS, DK GREY SILICEOUS SEDS & GREY FELSIC INTRUSIVE.		238	95	100		202	70	0.7	3	36	7	332	
				239	100	105		1737	60	5.3	7	223	34	248	
		110-115 AS ABOVE, Cpy ~ ½%.	Cpy ~ ½%	240	105	110		602	80	1.4	8	54	12	806	
		115-125 " " , MINOR Cpy BUT POSSIBLY MASKED BY RUST.		241	110	115		1882	40	4.1	4	24	4	581	
				242	115	120		777	30	1.2	5	21	5	494	
		125-135 AS ABOVE WITH GREY CLAY (FAULT GOUGE)		243	120	125		245	80	0.6	29	61	14	234	
		135-140 MIX OF GREY SILICEOUS SEDS & GREY FELSIC INTRUSIVE. MINOR RUSTY CHIPS. Cpy ~ ½% Py ~ ½%	Cpy ~ ½%	244	125	130		447	50	1.2	11	85	17	213	
				245	130	135		3725	70	6.4	7	63	7	333	
				246	135	140		16728	430	50.1	6	241	27	1890	
		140-145 AS ABOVE, Py ~ ½-1%, Cpy ~ TRACE, CLAY (FAULT) GOUGE.	Cpy ~ TRACE	62247	140	145		11873	150	39.0	6	341	38	179	
		145-150 AS ABOVE, Py ~ ½%, Cpy ½-1%	Cpy ½-1%	62248	145	150		16132	180	46.6	6	469	40	91	
		150-155 DOMINANTLY GREY SILICEOUS SEDS, Cpy ~ TRACE	Cpy ~ TRACE	249	150	155		9355	310	26.3	4	441	32	95	
		155-160 AS ABOVE, Py ~ 1-2%, Cpy ~ 1%	Cpy ~ 1%	250	155	160		8106	60	13.8	5	77	16	189	
		160-170 MIX OF GREY SILICEOUS SEDS, GREY FELSIC INTRUSIVE & F.G. MAFIC INTRUSIVE. Py ~ 1-2% Cpy ~ TRACE.	Cpy ~ TRACE	251	160	165		3875	160	6.3	9	57	18	112	
				252	165	170		2550	30	4.5	7	43	15	121	
		170-175 DK GREY DIORITIC INTRUSIVE, LESSER GREY SILICEOUS SEDS. MODERATE RUSTY CHIPS. Py ~ ½-1%, Cpy < ½%. TRACE-SP. MINOR QTZ VN.	Cpy < ½% SP ~ TRACE	62253	170	175		1173	20	2.5	6	46	19	1917	

DIAMOND DRILL HOLE RECORD

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Property

Level A.M. Breccia	Lat.	Dip Tests		Hole No. GCR89-24
Location	Dep.	Footage	Angle	Sheet No. 2
	Elev.			
Length H.C.	Bearing			Total Recov.
V.C.	Slope			Logged by KEN HICKS

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION	NO.	FROM	TO	FEET	ppm Cu	ppb Au	ppm Ag	ppm Mo	ppm Zn	ppm Pb	ppm As	Graphic
175	180	DOMINANTLY GREY FELSIC INTRUSIVE, GREY CLAY BALLS (FAULT GOUGE).	Cpy 3-5%	62254	175	180		11497	50	20.1	10	84	18	992	
180	185	MIX OF DK GREY E-G. MAFIC INTRUSIVE, & GREY SILICEOUS SEDS.	Cpy ~ ½%	255	180	185		2663	70	5.3	6	152	48	97	
				256	185	190		16617	1150	17.6	4	162	42	154	
		CPy ~ ½%, Py ~ ½%		257	190	195		18072	700	30.0	5	593	108	167	
185	190	AS ABOVE, Py ~ 1%, Cpy ~ 1%	Cpy ~ 1%	258	195	200		24600	1500	29.1	5	300	45	129	
190	195	DOMINANTLY GREY SILICEOUS SEDS. Py ~ 3%, Cpy ~ 2%.	Cpy ~ 2%	259	200	205		26500	1700	28.1	4	171	37	127	
				260	205	210		17328	1760	18.5	3	221	44	325	
195	205	MIX OF DK GREY MAFIC (DIORITIC) INTRUSIVE & GREY SILICEOUS SEDS. Cpy 2-3%, Py ~ 2-3%	Cpy ~ 2-3%	261	210	215		12617	700	13.1	4	160	43	128	
				262	215	220		13672	1120	13.2	5	167	39	82	
205	225	AS ABOVE, Cpy ~ 1-2%, Py ~ 1%	Cpy ~ 1-2%	263	220	225		8563	280	10.6	9	231	41	145	
225	230	" " Cpy ~ ½-1%, Py ~ 1%	Cpy ~ ½-1%	264	225	230		3807	170	4.9	5	118	29	43	
230	235	" " Cpy ~ 2-3%, Py ~ 1%	Cpy ~ 2-3%	265	230	235		7936	100	12.3	6	2075	142	70	
235	240	" " Cpy ~ ½-1%, Py ~ 2-3%	Cpy ~ ½-1%	266	235	240		10583	300	12.7	11	297	48	153	
240	260	" " Cpy ~ 2-3%, Py ~ 1%	Cpy ~ 2-3%	267	240	245		7322	210	13.0	11	191	40	182	
260	265	" " Cpy ~ 5-7%, Py ~ 2-3%	Cpy ~ 5-7%	268	245	250		11381	310	10.8	8	135	37	132	
265	270	MIX OF LT & DK GREY SILICEOUS SEDS & DK GREY DIORITIC INTRUSIVE. MINOR RUSTY CHIPS & QTZ VEIN CHIPS.	Cpy ~ 1-1½%	269	250	255		8914	290	11.8	7	146	37	128	
				270	255	260		8314	230	12.5	7	204	42	130	
		Cpy ~ 1-1½%, Py ~ ½-1%		271	260	265		8720	370	12.6	13	270	44	128	
270	275	DOMINANTLY DK GREY DIORITIC INTRUSIVE WITH LESSER GREY SILICEOUS SEDS. Cpy ~ 5%, Py ~ ½-1%	Cpy ~ 5%	272	265	270		6205	170	9.1	14	170	37	197	
				273	270	275		6744	300	9.4	27	220	46	91	
275	285	DOMINANTLY GREY SILICEOUS SEDS WITH LESSER DIORITIC INTRUSIVE. Cpy ~ 5%, Py < 1%	Cpy ~ 5%	274	275	280		14354	500	22.7	14	616	77	78	
				275	280	285		15175	600	18.2	8	467	61	73	
285	290	AS ABOVE, Cpy ~ 5-7%, Py ~ 2%	Cpy ~ 5-7%	276	285	290		15516	530	18.0	21	280	55	160	
290	295	DOMINANTLY GREY-DK GREY DIORITIC INTRUSIVE Cpy ~ 5-7%. Py ~ 1%	Cpy ~ 5-7%	277	290	295		11449	680	19.2	10	456	84	913	
				278	295	300		10396	710	18.1	201	611	85	109	
295	300	AS ABOVE, Cpy ~ 3%, Py ~ 1%	Cpy ~ 3%	279	300	305		19346	1400	19.5	1900	177	41	77	
300	315	" " Cpy ~ 5%, Py ~ 1-2%	Cpy ~ 5%	280	305	310		19231	760	19.7	2800	185	35	85	
315	335	DOMINANTLY GREY SILICEOUS SEDS, LESSER DK GREY DIORITIC INTRUSIVE. Cpy ~ 3%. Py ~ 2%	Cpy ~ 3%	281	310	315		15220	720	13.1	2500	150	37	64	
				282	315	320		12213	570	20.6	914	909	135	129	
335	340	MIX OF DIORITIC INTRUSIVE & GREY SILICEOUS SEDS. Cpy ~ ½-1%, Py ~ ½%	Cpy ~ ½-1%	283	320	325		8362	520	16.7	746	648	128	255	
				284	325	330		7379	200	12.5	596	691	123	137	
340	350	MIX OF LT & DK GREY SILICEOUS SEDS. Py ~ 2%		285	330	335		6049	140	5.6	284	168	44	74	
350	355	AS ABOVE, Py < ½%		286	335	340		4717	110	5.4	292	157	47	129	
355	360	DOMINANTLY DK GREY SILICEOUS SEDS. Cpy < ½%	Cpy < ½%	287	340	345		1294	20	1.6	79	53	13	204	
360	385	AS ABOVE, Py < ½%		288	345	350		2267	650	4.2	66	207	55	344	
385	390	" " Py ~ ½-1%		289	350	355		1258	40	2.7	16	298	44	107	
				290	355	360		1151	30	1.8	23	164	30	154	
				291	360	365		1242	70	0.9	18	237	26	172	

DIAMOND DRILL HOLE RECORD
Bethlehem Resources Corporation
GIANT COPPER

Property

Level A.M. Breccia		Lat.	Dip Tests		Hole No. GCR89-24
Location		Dep.	Footage	Angle	Sheet No. 3
		Elev.			
Length	H.C.	Bearing			Total Recov.
	V.C.	Slope			Logged by KEN HICKS

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION	No.	FROM	TO	FEET	ppm Cu	ppb Au	ppm Ag	ppm Mo	ppm Zn	ppm Pb	ppm As	Graphic
		390-405 DOMINANTLY DK GREEN-GREY-PURPLISH V.F.G. MAFIC INTRUSIVE. STRONG CHLORITE ALT'N. VERY MINOR AMOUNT OF F.G. GREY SILICEOUS SEDS.		62292	365	370		762	60	0.9	6	96	25	55	
				293	370	375		711	100	1.4	13	286	36	102	
				294	375	380		2117	70	2.9	16	176	29	247	
				295	380	385		631	40	1.1	12	109	22	123	
		405-415 MIX OF F.G. GREY SILICEOUS SEDS & F.G. DK PURPLISH-BROWN-OLIVE GREEN MAFIC INTRUSIVE. PURPLISH COLOR POSSIBLY DUE TO F.G. SECONDARY BIOTITE IN HORNFELSED CONTACT ZONE. TRACE CPy	TRACE CPy	296	385	390		2027	100	1.8	23	88	38	491	
				297	390	395		177	30	0.1	5	52	33	129	
				298	395	400		631	30	0.4	7	74	33	158	
				299	400	405		213	30	0.1	2	52	32	89	
				300	405	410		595	20	0.4	21	57	20	88	
		415-420 MIX OF F.G. FELSIC INTRUSIVE & DK F.G. HORNFELSED INTRUSIVE. TRACE CPy.	CPy ~ TRACE	62301	410	415		298	20	0.1	5	141	50	111	
				302	415	420		1283	30	2.1	10	201	68	287	
		420-425 DOMINANTLY F.G. GREY FELSIC INTRUSIVE, 10% DK F.G. HORNFELS. TRACE CPy	CPy ~ TRACE	620303	420	425		235	30	0.1	2	73	22	31	
		425-435 EXCLUSIVELY F.G. GREY FELSIC INTRUSIVE		62304	425	430		294	30	0.1	4	104	20	79	
				305	430	435		578	160	0.6	7	161	26	320	
		435-440 DOMINANTLY F.G. GREY FELSIC INTRUSIVE WITH LESSER QTZ RICH DIORITE INTRUSIVE & MINOR UNUSUAL TAN-RUSTY FELSIC CHIPS (INTRUSIVE?) WITH TRACE CPy	TRACE CPy	62306	435	440		1295	50	2.1	12	115	24	213	
		440-445 MIX OF F.G. GREY FELSIC INTRUSIVE WITH FINE CHLORITE SPECKS & DK DIORITIC INTRUSIVE WITH MINOR RUSTY CHIPS.		62307	440	445		1268	50	2.2	7	125	29	500	
		445-475 EXCLUSIVELY DK QTZ-RICH DIORITIC INTRUSIVE WITH VERY MINOR F.G. GREY FELSIC INTRUSIVE.		62308	445	450		366	270	0.5	3	121	32	53	
				309	450	455		355	70	0.5	4	120	33	73	
				310	455	460		777	40	0.9	6	113	30	79	
				311	460	465		697	80	1.3	12	208	55	96	
		475-485 DOMINANTLY DIORITIC INTRUSIVE WITH LESSER GREY FELSIC INTRUSIVE. GREY CLAY (FAULT GOUGE) ON MAFIC CHIPS. TRACE WHITE FELSIC CHIPS.		312	465	470		538	80	1.0	6	103	33	72	
				313	470	475		339	40	0.2	5	101	33	60	
				314	475	480		1148	150	1.8	13	114	32	413	
				315	480	485		1357	80	2.4	19	103	29	468	
		485-500 AS ABOVE, NO CLAY		316	485	490		793	30	1.5	10	78	24	351	
				317	490	495		1005	10	1.4	16	114	34	362	
		500 EOH		62318	495	500		832	80	1.1	11	77	27	317	

DIAMOND DRILL HOLE RECORD

Bethlehem Resources Corporation

GIANT COPPER

Property

Level A.M. Breccia		Lat. 9905 N	Dip Tests		Hole No. GCR89-25
Location		Dep. 9826 E	Footage	Angle	Sheet No. 1
		Elev. 5537 FT			
Length	H.C.	Bearing 135			Total Recov.
520 FT	V.C.	Slope -60°			Logged by KEN HICKS

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION	No.	FROM	TO	FEET	ppm Cu	ppb Au	ppm Ag	ppm Mo	ppm Zn	ppm Pb	ppm As	Graphic
0	520	MIXED INTRUSIVE AND BRECCIA													
		0-20 MIX OF RUSTY WEATHERING FELSIC, MAFIC & QTZ-RICH SILICEOUS SEDS. HEAVY MANGANESE		62319	0	5		1612	80	4.8	17	260	76	390	
				320	5	10		2195	70	6.8	27	296	70	569	
		20-25 AS ABOVE, 50% RUSTY		321	10	15		1463	80	2.7	31	103	25	689	
		25-35 MIX OF DK GREY SILICEOUS SEDS & F.G. MAFIC INTRUSIVE. 25% RUSTY		322	15	20		2156	30	5.7	12	145	40	530	
				323	20	25		1544	20	5.3	9	450	64	149	
		35-60 LT & DK GREY SILICEOUS SEDS & F.G. DK GREY INTRUSIVE. STRONGLY RUSTY.		324	25	30		346	nd	1.5	5	244	29	51	
				325	30	35		1288	40	4.6	5	819	114	98	
		60-65 AS ABOVE WITH POSSIBLE FELSIC INTRUSIVE.		326	35	40		2210	50	6.7	5	589	215	172	
		65-70 MIX OF BROWNISH F.G. SILICEOUS SEDS & GREY SILICEOUS SEDS, TAN FELSIC INTRUSIVE & DK GREY F.G. DIORITIC? INTRUSIVE (POSSIBLY GABBROIC)		327	40	45		2478	20	8.7	9	552	138	153	
				328	45	50		3574	90	21.3	12	547	242	209	
				329	50	55		3977	80	12.2	7	768	143	149	
		70-75 AS ABOVE, Cpy ~ ½%	Cpy ~ ½%	330	55	60		1443	nd	5.1	3	714	88	57	
		75-80 MIX OF LT & DK GREY SILICEOUS SEDS, MED & DK GREY F.G. DIORITIC CHIPS (POSSIBLY GABBROIC). MINOR QTZ-FELDSPAR CHIPS WITH TRACE Cpy. Py ~ 3-5%	Cpy ~	331	60	65		638	20	2.2	1	220	90	54	
				332	65	70		557	160	2.4	3	630	85	43	
				333	70	75		1473	70	3.7	<1	104	59	54	
		80-95 AS ABOVE.		334	75	80		1114	400	4.1	4	395	104	175	
		95-100 MIX OF SILICEOUS SEDS & F.G. GREENISH INTRUSIVE? AND DK PURPLISH/GREEN DIORITIC INTRUSIVE.		335	80	85		552	20	2.4	2	1099	155	51	
				336	85	90		425	nd	2.1	2	1062	300	37	
		100-105 EXCLUSIVELY V. DK F.G. INTRUSIVE DIORITE		337	90	95		407	30	1.5	2	585	130	40	
		105-110 MIX OF F.G. INTRUSIVE DIORITE WITH F.G. GREY SILICEOUS SEDS. MINOR TAN FELSIC CHIPS.		338	95	100		316	20	0.5	1	638	155	29	
				339	100	105		143	nd	0.3	4	109	48	13	
		110-115 AS ABOVE, Py ~ 1-2%		340	105	110		233	nd	1.0	3	916	187	33	
		115-120 MIX OF V.F.G. TAN-LT GREY FELSIC INTRUSIVE WITH SMALL SPOTS OF TQ, MED GREY F.G. INTRUSIVE & LT & DK GREY SILICEOUS SEDS. Py ~ 1%		341	110	115		448	nd	2.2	2	1734	326	45	
				342	115	120		410	nd	1.1	5	545	62	26	
		120-125 AS ABOVE, Cpy ~ TRACE		62343	120	125		945	nd	2.1	2	183	56	37	
		125-130 " " BUT COARSER FELSIC INTRUSIVE & MODERATE SERICITIC ALT'N OF MOST CHIPS. Cpy ~ TRACE		344	125	130		877	nd	1.5	1	165	58	37	
		130-135 MIX OF LT GREY, F.G. FELSIC INTRUSIVE, MED GREY-GREEN F.G. SOFT SEDS.?, TAN QTZ-FELDSPAR CHIPS. GREY CLAY (FAULT GOUGE).		345	130	135		90	20	0.4	2	92	51	150	
		135-140 AS ABOVE WITH TAN QTZ-FELDSPAR CHIPS CLAY BALLS. Cpy ~ 1-2%		346	135	140		670	nd	1.3	2	78	52	104	
		140-145 LT-MED GREY SILICEOUS SEDS & MINOR FELSIC INTRUSIVE & SOFT MED GREEN SEDS.? GREY CLAY INDICATING FAULT GOUGE. Cpy ~ ½%, Py ~ 1-1½%		347	140	145		847	nd	1.5	4	99	50	611	
		145-150 AS ABOVE, Cpy ~ 1-1½%		62348	145	150		2715	30	7.1	6	148	51	51	

DIAMOND DRILL HOLE RECORD

Bethlehem Resources Corporation

Property GIANT COPPER

Level A.M. Breccia	Lat.	Dip Tests		Hole No. GCR89- 25	
Location	Dep.	Footage	Angle	Sheet No. 2	
	Elev.				
Length / H.C.	Bearing			Total Recov.	
V.C.	Slope			Logged by KEN HICKS	

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION	NO.	FROM	TO	FEET	ppm Cu	ppb Au	ppm Ag	ppm Mo	ppm Zn	ppm Pb	ppm As	Graphic
		150-155 MIX OF MED GREY-GREEN F.G. INTRUSIVE, LT-DK GREY SILICEOUS SEDS & MINOR F.G. FELSIC INTRUSIVE CPy ~ 1-2%, Py 1-2%		62349	150	155		4124	60	11.7	38	1238	271	51	
		155-160 AS ABOVE, CPy 3-4%, Py ~ 2%		62350	155	160		5481	90	8.5	16	610	174	33	
		160-165 " " CPy 1-2% Py ~ 3-5%		351	160	165		5123	60	7.5	13	675	235	67	
		165-170 DOMINANTLY F.G. PURPLISH SILICEOUS SEDS WITH LESSER F.G. MAFIC INTRUSIVE. CPy ~ ½%, Py 1-2%.		62352	165	170		2290	70	1.9	9	203	53	37	
		170-175 AS ABOVE, CPy 2-3%, Py ~ 2%		62353	170	175		8777	160	7.5	2	190	52	51	
		175-180 " " CPy ~ ½%, Py ~ 1%		354	175	180		5051	140	3.9	2	169	40	25	
		180-185 " " Py ~ 3%		355	180	185		2230	110	2.4	2	325	59	69	
		185-190 " " CPy ~ 3%, Py ~ 2%		356	185	190		7151	170	12.6	4	902	179	66	
		190-195 " " CPy ~ 5-6%, Py ~ 1-2%		357	190	195		16599	340	35.5	<1	1469	289	57	
		195-205 " " CPy ~ ½-1%, Py ~ 1%		358	195	200		4150	130	5.2	3	249	64	38	
				359	200	205		5850	150	12.1	21	508	98	241	
		205-210 " " CPy ~ 3-4%, Py ~ 2%		62360	205	210		12085	60	14.5	3	221	67	86	
		210-215 " " CPy ~ 2%, Py ~ 2%		361	210	215		8322	480	9.5	4	224	60	95	
		215-220 " " CPy ~ 1%, Py ~ 5%		362	215	220		9825	540	10.9	4	249	59	160	
		220-225 " " CPy ~ 1-2%, Py ~ 1-2%		363	220	225		7350	210	9.0	2	393	85	78	
		225-235 MIX OF LT GREY MOTTLED FELSIC INTRUSIVE & LT GREY SILICEOUS SEDS & MINOR F.G. DK GREY-GREEN MAFIC CHIPS. CPy ~ ½%, Py ~ 2-3%		62364	225	230		5929	200	7.7	3	402	64	120	
				365	230	235		6870	80	10.1	1	603	115	76	
		235-240 AS ABOVE WITH MINOR QTZ-FELDSPAR CHIPS WITH CPy/Py. CPy ~ 2%. Py ~ ½-1%.		62366	235	240		10246	30	14.8	2	416	59	85	
		240-245 DOMINANTLY DK GREY SILICEOUS SEDS WITH LESSER FELSIC & MAFIC INTRUSIVE. CPy ~ 1%, Py ~ 1%.		62367	240	245		4206	100	5.7	4	670	72	37	
		245-250 MIX OF FELSIC & MAFIC INTRUSIVE & DK GREY SILICEOUS SEDS. CPy ~ ½-1%, Py ~ 5%.		62368	245	250		6574	290	9.1	3	735	88	62	
		250-255 AS ABOVE, CPy ~ 1-2%, Py ~ 1-2%		62369	250	255		4606	120	5.8	5	821	223	47	
		255-260 MIX OF MAFIC, CHLORITIC INTRUSIVE & DK GREY SILICEOUS SEDS. Py ~ 5%.		62370	255	260		3032	80	3.1	10	336	62	42	
		260-265 AS ABOVE, CPy ~ TRACE - ½%, Py ~ 5%		62371	260	265		3150	70	2.5	40	185	47	57	
		265-270 " " CPy < ½%, Py ~ 1-2%		372	265	270		3123	110	3.0	11	326	52	42	
		270-275 " " CPy ~ 1-2%, Py ~ 3-5%. TRACE Mal ON FRACTURES.		373	270	275		3623	40	4.3	39	168	58	126	
		275-280 AS ABOVE, CPy ~ ½%, Py 3-5%		62374	275	280		3928	110	3.8	91	157	51	129	

DIAMOND DRILL HOLE RECORD
Bethlehem Resources Corporation
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Property

Level A.M. Breccia	Lat.	Dip Tests		Hole No. GCR89-25	
Location	Dep.	Footage	Angle	Sheet No. 3	
	Elev.				
Length H.C.	Bearing			Total Recov.	
V.C.	Slope			Logged by KEN HICKS	

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION	NO.	FROM	TO	FEET	ppm Cu	ppb Au	ppm Ag	ppm Mo	ppm Zn	ppm Pb	ppm As	Graphic
280	290	AS ABOVE, CPy ~ 1%, Py ~ 2%		62375	280	285		3588	40	3.2	48	260	87	107	
290	295	" " , CPy ~ TRACE, Py ~ 2-3%		376	285	290		2821	50	2.8	36	429	185	132	
285	300	MIX OF FELSIC, MAFIC INTRUSIVES & DK GREY SILICEOUS SEDS. CPy ~ ½%, Py ~ 1%.		377	290	295		1639	40	1.7	95	215	72	38	
				378	295	300		1150	70	1.9	251	437	212	236	
300	315	MIX OF F.G. MAFIC INTRUSIVE & DK GREY SILICEOUS SEDS. CPy ~ TRACE - ½%, Py ~ 1-2%.		62379	300	305		2581	70	3.1	497	319	131	168	
				380	305	310		2289	60	7.0	193	610	210	323	
				381	310	315		583	30	1.1	60	385	64	169	
315	325	AS ABOVE, TRACE OF WHITE GYPSUM. Py < ½%		62382	315	320		503	150	0.5	112	385	50	38	
				383	320	325		221	60	0.3	24	121	49	22	
325	330	EXCLUSIVELY DK F.G. MAFIC INTRUSIVE. TRACE GYPSUM.		62384	325	330		319	50	0.3	58	325	71	34	
330	335	MIX OF F.G. MAFIC INTRUSIVE & DK F.G. SILICEOUS SEDS. TRACE GYPSUM.		62385	330	335		182	20	0.6	12	143	42	59	
				386	335	340		137	30	0.2	8	213	40	63	
				387	340	345		221	30	0.4	7	133	36	68	
345	350	MIX OF LT GREY MOTTLED FELSIC INTRUSIVE, F.G. MAFIC INTRUSIVE & DK GREY SILICEOUS SEDS.		62388	345	350		82	40	0.1	10	104	24	38	
350	355	AS ABOVE, WITH GREY CLAY (FAULT GOUGE). TRACE GYPSUM.		62389	350	355		417	30	0.4	15	206	35	91	
355	370	MIX OF LT & DK GREY SILICEOUS SEDS & F.G. MAFIC INTRUSIVE. TRACE - GYPSUM		62390	355	360		197	50	0.6	3	251	77	111	
				391	360	365		217	180	0.5	4	193	53	88	
				392	365	370		167	40	0.6	2	195	75	83	
370	385	EXCLUSIVELY DK F.G. MAFIC INTRUSIVE. TRACE GYPSUM.		62393	370	375		128	100	0.3	2	125	39	37	
				394	375	380		69	50	0.2	1	116	39	16	
				395	380	385		453	120	2.4	2	268	97	1137	
385	910	MED GREY, FAINTLY PURPLE, F.G. SILICEOUS SEDS		62396	385	390		324	80	2.3	4	379	182	1179	
				397	390	395		216	20	1.1	7	270	85	250	
				398	395	400		281	30	0.9	5	282	42	86	
410	415	AS ABOVE WITH MINOR BLACK MAFIC INTRUSIVE (DYKE?). RUSTY CHIPS ~ 10%.		399	400	405		325	100	0.8	2	259	56	108	
				400	405	410		408	100	1.3	5	192	49	72	
415	425	LT & DK GREY SILICEOUS SEDS & MINOR F.G. MAFIC INTRUSIVE CHIPS. TRACE GYPSUM. TRACE Py.		401	410	415		281	130	0.5	6	144	29	24	
				402	415	420		205	30	0.6	24	243	39	31	
				403	420	425		478	90	1.6	9	242	59	132	
425	435	MED GREY-BLUE F.G. SILICEOUS SEDS. MINOR CLAY (FAULT GOUGE).		62404	425	430		92	30	0.2	1	87	25	53	
				405	430	435		102	20	0.2	1	118	39	37	
				406	435	440		122	90	0.1	1	170	53	21	
435	520	AS ABOVE, TRACE Py		407	440	445		230	150	0.6	3	102	44	36	
		EOH		408	445	450		156	60	0.3	1	85	37	32	

DIAMOND DRILL HOLE RECORD

Bethlehem Resources Corporation

Property GIANT COPPER

Level A.M. Breccia		Lat.	Dip Tests		Hole No. GCR89-25
Location		Dep.	Footage	Angle	Sheet No. 4
		Elev.			
Length	H.C.	Bearing			Total Recov.
	V.C.	Slope			Logged by KEN HICKS

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION	NO.	FROM	TO	FEET	ppm Cu	ppb Au	ppm Ag	ppm Mo	ppm Zn	ppm Pb	ppm As	Graphic
				62409	450	455		136	70	0.2	8	57	29	37	
				410	455	460		108	50	0.1	<1	55	36	30	
				411	460	465		360	70	0.6	1	106	46	53	
				412	465	470		179	40	0.3	2	48	40	126	
				413	470	475		220	40	0.1	2	60	51	37	
				414	475	480		105	20	0.3	<1	72	42	37	
				415	480	485		558	190	1.7	2	147	64	59	
				416	485	490		143	250	0.2	<1	97	42	40	
				417	490	495		147	160	0.3	<1	57	46	407	
				418	495	500		120	120	0.1	<1	51	41	99	
				419	500	505		288	70	1.1	<1	108	48	76	
				420	505	510		95	60	0.3	<1	49	44	15	
				421	510	515		70	40	0.2	<1	53	36	18	
				62422	515	520		94	50	0.1	<1	74	44	24	

DIAMOND DRILL HOLE RECORD
Bethlehem Resources Corporation
GIANT COPPER

Property

Level A.M. Breccia	Lat. 9420 N	Dip Tests		Hole No. GCR89-26
Location	Dep. 10085 E	Footage	Angle	Sheet No. 1
	Elev. 5388 FT.			
Length H.C.	Bearing 250			Total Recov.
300 FT V.C.	Slope -45°			Logged by KEN HICKS

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION	NO.	FROM	TO	FEET	ppm Cu	ppb Au	ppm Ag	ppm Mo	ppm Zn	ppm Pb	ppm As	Graphic
0	300	MIXED INTRUSIVE AND BRECCIA													
		0-5 LT-MED GREY-GREEN F.G. SILICEOUS SEDS WITH MOTTLED APPEARANCE.		62423	0	5		1604	270	2.4	9	142	43	212	
		5-10 AS ABOVE WITH STRONG MALACITE COATING		62424	5	10		1656	430	1.1	4	166	34	199	
		10-35 " " WK MALACITE		425	10	15		1822	470	1.3	6	159	34	95	
				426	15	20		1274	200	0.8	6	168	44	104	
		35-40 MIX OF LT GREY-GREEN SILICEOUS SEDS & MINOR F.G. MAFIC INTRUSIVE. MINOR RUSTY CHIPS.		427	20	25		687	70	0.7	4	116	39	46	
				428	25	30		233	70	0.3	3	99	32	16	
				429	30	35		369	160	1.6	11	100	39	45	
		40-45 AS ABOVE WITH TRACE Cpy		430	35	40		3044	100	6.5	27	210	63	156	
		45-50 DOMINANTLY DK F.G. DIORITIC INTRUSIVE WITH LESSER GREY-GREEN F.G. SILICEOUS SEDS. MINOR RUSTY CHIPS Cpy ~ 1-2%, Py ~ 5%		431	40	45		2931	70	6.0	35	258	65	154	
				432	45	50		11262	150	17.2	191	580	69	88	
		50-55 AS ABOVE, Cpy ~ 3-5%, Py < ½%		62433	50	55		18559	520	31.7	72	664	67	79	
		55-60 " " Cpy ~ 1%, Py ~ 1%		434	55	60		9174	470	13.3	50	382	56	67	
		60-80 MIX OF MED GREY-PURPLISH SILICEOUS SEDS & F.G. MAFIC INTRUSIVE. Cpy ~ 1%, Py ~ 1%		435	60	65		7613	400	9.5	27	173	39	40	
				436	65	70		10901	550	13.3	94	183	40	55	
		80-95 DOMINANTLY F.G. MAFIC INTRUSIVE WITH MINOR F.G. SILICEOUS SEDS. Cpy ~ ½%, Py ~ 3%		437	70	75		9258	520	13.1	43	228	56	62	
				438	75	80		10276	320	15.1	20	340	62	64	
		95-110 AS ABOVE, Cpy ~ 1-1½%, Py ~ 1%		439	80	85		3251	120	4.1	23	171	44	28	
		110-120 " " Cpy ~ ½-1%, Py ~ 3-5%		440	85	90		4343	150	6.5	85	182	54	30	
		120-125 " " Cpy ~ TRACE-½%, Py ~ 1%		441	90	95		5572	100	8.1	34	618	55	20	
		125-175 MIX OF F.G. MED GREY SILICEOUS SEDS & F.G. MAFIC INTRUSIVE. Cpy ~ 1-1½%, Py ~ 2%.		442	95	100		4347	40	4.8	18	209	46	25	
				443	100	105		6440	190	8.3	17	592	55	43	
		175-180 AS ABOVE, Cpy ~ ½-1%		444	105	110		3235	160	3.7	16	211	45	16	
		180-190 MIX OF LT-DK GREY SILICEOUS SEDS, LT GREY-TAN F.G. FELSIC INTRUSIVE & F.G. MAFIC INTRUSIVE. Cpy ~ 1%		445	110	115		4651	150	4.5	13	139	41	32	
				446	115	120		2744	200	2.7	11	129	40	36	
		190-195 AS ABOVE, Cpy ~ ½%		447	120	125		3110	100	4.1	14	343	47	33	
		195-200 " " Cpy ~ 2-3%, Py ~ 2-3%		448	125	130		9295	280	12.8	13	303	51	66	
				449	130	135		5853	150	7.1	20	225	39	55	
		200-205 MIX OF F.G. DK GREY SILICEOUS SEDS & DK F.G. MAFIC INTRUSIVE. Cpy ~ 2%, Py ~ 1%.		62450	135	140		3841	390	5.4	13	144	43	40	
				65001	140	145		4510	210	5.3	15	157	42	52	
				2	145	150		4101	160	4.3	12	171	44	66	
		205-210 AS ABOVE, Cpy ~ 1%, Py ~ 1%		3	150	155		5016	270	4.7	17	181	51	44	
				4	155	160		6438	180	4.7	18	203	52	66	
		210-215 MIX OF TAN, LT & DK GREY F.G. SILICEOUS SEDS & DK F.G. MAFIC INTRUSIVE. Cpy ~ ½%, Py ~ 1% Gypsum ~ 2%.		5	160	165		5791	200	5.7	14	160	45	60	
				6	165	170		4785	180	4.6	8	158	46	57	
				7	170	175		3648	140	4.1	9	232	49	57	
				8	175	180		4140	50	8.3	13	756	117	24	

DIAMOND DRILL HOLE RECORD
Bethlehem Resources Corporation
GIANT COPPER

Property

Level A.M. Breccia		Lat.	Dip Tests		Hole No. GCR89-26
Location		Dep.	Footage	Angle	Sheet No. 2
		Elev.			
Length	H.C.	Bearing			Total Recov.
	V.C.	Slope			Logged by KEN HICKS

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION	NO.	FROM	TO	FEET	ppm Cu	ppb Au	ppm Ag	ppm Mo	ppm Zn	ppm Pb	ppm As	Graphic
		215-220 MIX OF DK GREY F.G. SILICEOUS SEDS & F.G. MAFIC INTRUSIVE. Cpy ~ TRACE, Py ~ 2-3%.		65009	180	185		6519	230	13.5	13	506	160	209	
				10	185	190		8130	350	17.9	18	869	226	65	
		220-225 MIX OF LT & DK GREY SILICEOUS SEDS & F.G. MAFIC INTRUSIVE. Cpy ~ 1-1½%, Py ~ 1-2%		11	190	195		3021	110	5.1	15	270	85	45	
				12	195	200		14390	480	15.3	14	572	100	79	
		225-235 AS ABOVE, Cpy ~ 3-5%		13	200	205		9802	390	9.8	4	238	49	46	
				14	205	210		4766	110	4.5	6	156	43	35	
		235-240 MIX OF GREY, F.G. SILICEOUS SEDS & F.G. MAFIC INTRUSIVE. Cpy ~ ½-1%, Py ~ 1%		15	210	215		4547	240	4.8	3	183	46	80	
				16	215	220		2801	90	3.2	3	160	46	26	
		240-295 AS ABOVE, Cpy ~ 2%, Py ~ 2%, TRACE OF MAGNETITE WITH Cpy.		17	220	225		4290	110	4.6	7	178	44	44	
				18	225	230		11231	520	18.0	5	544	83	582	
		295-250 MIX OF LT TAN, F.G. FELSIC INTRUSIVE, DK GREY SILICEOUS SEDS & F.G. MAFIC INTRUSIVE. Cpy ~ 1-2%, Py ~ 1-2%. TRACE MAGNETITE.		19	230	235		10596	330	20.6	6	885	150	662	
				20	235	240		6709	370	11.5	5	274	54	53	
				21	240	245		9976	670	13.4	5	211	41	66	
				22	245	250		5522	360	7.9	6	279	41	42	
		250-255 DOMINANTLY F.G. TAN-WHITISH FELSIC INTRUSIVE WITH LESSER DK GREY SILICEOUS SEDS & MAFIC INTRUSIVE. Cpy ~ 1-1½%, Py 2-3%		65023	250	255		5761	250	8.9	5	154	34	92	
		255-265 EXCLUSIVELY TAN-WHITISH FELSIC INTRUSIVE, STRONGLY SILICIFIED AND BLEACHED. MINOR F.G. MAFIC INTRUSIVE, MINOR PALE GREEN SERICITE. Cpy ~ ½%		65024	255	260		2230	130	3.4	1	260	32	56	
				25	260	265		5779	160	7.6	<1	218	44	114	
		265-270 MIX OF FELSIC INTRUSIVE & DK GREY F.G. MAFIC INTRMIX. Cpy ~ ½-1%, Py ~ 2%.		65026	265	270		4214	200	5.3	3	229	44	80	
		270-280 AS ABOVE WITH TRACE Cpy & GYPSUM		65027	270	275		1834	160	2.6	7	139	39	620	
				28	275	280		3799	510	8.3	4	285	42	583	
		280-285 MIX OF F.G. MAFIC INTRUSIVE & DK GREY SILICEOUS SEDS. Py ~ 1%, Asp ~ TRACE.		65029	280	285		3124	430	6.2	10	228	56	>2000	
		285-295 DOMINANTLY F.G. MAFIC INTRUSIVE, MINOR WHITISH FELSIC INTRUSIVE. Cpy ~ ½%, Py ~ 1%.		65030	285	290		1421	190	3.1	2	188	48	379	
				31	290	295		1756	170	2.6	6	145	35	240	
		295-300 AS ABOVE, Cpy ~ 1-1½% WITH 3-5% MAGNETITE.		65032	295	300		3367	180	6.5	<1	359	43	281	
		EOH 300													

DIAMOND DRILL HOLE RECORD
Bethlehem Resources Corporation
GIANT COPPER

Property

Level A.M. Breccia	Lat. 9649 N	Dip Tests		Hole No. GCR89-27
Location	Dep. 9932 E	Footage	Angle	Sheet No. 1
	Elev. 5979 FT			
Length H.C.	Bearing 232°			Total Recov.
520 FT V.C.	Slope -45°			Logged by KEN HICKS

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION	NO.	FROM	TO	FEET	ppm Cu	ppb Au	ppm Ag	ppm Mo	ppm Zn	ppm Pb	ppm As	Graphic
0	520	BRECCIATED SEDIMENTS AND INTRUSIVE													
		0-15 MIX OF RUSTY LIMEA LT & DK GREY SILICEOUS SEDS & FELSIC INTRUSIVE, PROBABLY OVERBURDEN.		65033	0	5		524	30	1.9	17	285	113	235	
				34	5	10		577	50	1.5	14	211	72	394	
				35	10	15		572	10	0.8	8	89	33	171	
		15-20 EXCLUSIVELY LT GREY MOTTLED FELSIC INTRUSIVE, RUSTY LIMEA.		65036	15	20		704	40	1.5	12	72	32	169	
		20-35 AS ABOVE BUT DK GREY MOTTLED DIORITIC INTRUSIVE.		65037	20	25		958	30	1.2	4	173	46	101	
				38	25	30		611	10	1.2	2	115	45	61	
		35-55 " " WITH ½-1% Cpy		39	30	35		512	nd	1.2	1	107	38	53	
				40	35	40		525	nd	0.9	3	128	39	69	
		55-60 AS ABOVE		41	40	45		1146	nd	2.2	5	219	37	152	
				42	45	50		2327	50	3.7	45	124	38	69	
		60-65 DOMINANTLY FELSIC, WHITE-GREY INTRUSIVE, ~40% RUSTY CHIPS. Cpy+Py ~ 1%		43	50	55		279	nd	1.7	62	95	49	174	
				44	55	60		980	nd	3.2	48	300	82	367	
		65-70 EXCLUSIVELY LT GREY MOTTLED FELSIC INTRUSIVE.		45	60	65		3308	nd	13.3	579	366	91	357	
		Cpy ~ ½%, Py ~ ½%. MINOR MB ON FRACTURES.		46	65	70		11893	150	33.9	1600	1124	181	104	
		70-75 EXCLUSIVELY DK GREY MOTTLED DIORITIC INTRUSIVE		65047	70	75		7514	100	14.8	205	646	105	84	
		Cpy ~ 1%, Py ~ 1%.													
		75-80 MIX OF GREY-FAINT PURPLE SILICEOUS SEDS & GREY MOTTLED DIORITIC INTRUSIVE. Cpy ~ ½%		65048	75	80		4143	20	6.2	456	114	42	58	
		80-85 SAME AS 70-75, TRACE Py		65049	80	85		672	40	1.5	38	106	44	11	
		85-90 MIX OF LT GREY FELSIC & DK GREY DIORITIC INTRUSIVE.		50	85	90		1996	20	4.1	369	171	50	32	
		Cpy ~ TRACE - ½%, Py ~ TRACE - ½%.													
		90-100 GREY MOTTLED INTRUSIVE & FAINT PURPLISH-GREY SILICEOUS SEDS. Cpy - TRACE ~ ½%. Py - SAME		65051	90	95		2990	50	6.0	369	253	105	66	
				52	95	100		11451	100	26.1	270	1557	231	89	
		100-105 GREY & DK GREY MOTTLED INTRUSIVE. TRACE Py		65053	100	105		2267	50	6.8	125	720	192	93	
		105-110 MIX OF LT & DK GREY SILICEOUS SEDS & GREY MOTTLED INTRUSIVE. 50% RUSTY CHIPS. TRACE Cpy.		54	105	110		988	60	4.2	62	1101	129	75	
		110-115 LT-MED-DK GREY MOTTLED INTRUSIVE. Cpy - TRACE.		55	110	115		2188	50	9.6	354	984	140	67	
		115-120 AS ABOVE WITH GREY-FAINT PURPLISH SILICEOUS SEDS. Py < ½%.		56	115	120		1060	30	3.8	128	548	103	48	
		120-135 SAME AS 110-115, Cpy ½-1%, Py ~ ½%		650 57	120	125		2175	50	5.9	137	232	54	84	
		135-140 " " , Cpy ~ TRACE, Py ~ 2-3%.		58	125	130		2349	30	6.1	157	1152	157	64	
		140-145 " " , Cpy ~ ½%, Py 5-7%		59	130	135		3639	110	12.7	80	560	142	141	
				60	135	140		1423	nd	4.1	17	452	64	50	
		145-150 LT & MED GREY MOTTLED INTRUSIVE CHIPS.		61	140	145		8801	40	16.9	50	431	113	202	
		Cpy ~ TRACE - ½%		62	145	150		1357	40	4.6	37	163	45	89	

DIAMOND DRILL HOLE RECORD
Bethlehem Resources Corporation

Property GIANT COPPER

Level A.M. Breccia		Lat.	Dip Tests		Hole No. GCR89-27
Location		Dep.	Footage	Angle	Sheet No. 2
		Elev.			
Length	H.C.	Bearing			Total Recov.
	V.C.	Slope			Logged by KEN HICKS

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION	NO.	FROM	TO	FEET	ppm Cu	ppb Au	ppm Ag	ppm Mo	ppm Zn	ppm Pb	ppm As	Graphic
		150-155 GREY MOTTLED INTRUSIVE WITH STRONG APPLE GREEN EPIDOT & CHL ALT'N · MINOR BOIS MALACITE · Py ~ TRACE		65063	150	155		452	40	1.5	17	197	53	221	
		155-160 AS ABOVE, CPy ~ ½-1%		65064	155	160		2673	30	4.8	1	132	45	104	
		160-165 MED GREY & DK GREY INTRUSIVE · MODERATE CHLORITE/ MALACITE ALT'N OF MED GREY CHIPS. Py ~ ½%		65	160	165		2446	60	4.4	5	365	59	123	
		165-170 DOMINANTLY DK GREY MAFIC INTRUSIVE WITH LESSER MED GREY · Py ~ 1% · CPy ~ TRACE ·		66	165	170		507	80	1.3	5	319	53	96	
		170-175 AS 160-165 WITH MINOR QTZ/FELDSPAR MICROPEGMATITE		67	170	175		561	20	1.5	4	353	58	164	
		175-180 DOMINANTLY DK GREY MOTTLED INTRUSIVE WITH MINOR GREY SILICEOUS SEDS · MINOR QTZ/FELDSPAR		68	175	180		325	30	0.8	119	78	2.5	205	
		180-185 MIX OF DK GREY MOTTLED INTRUSIVE & LT GREY FELSIC INTRUSIVE · MINOR QTZ/FELDSPAR · CPy 1-2%		69	180	185		3068	20	6.1	23	113	31	769	
		185-190 AS ABOVE WITH MINOR GREY SILICEOUS SEDS · MINOR QTZ/FELDSPAR · CPy ~ 1%. ASPy ~ TRACE		70	185	190		2014	100	4.1	16	76	26	798	
		190-195 DOMINANTLY GREY SILICEOUS SEDS & LESSER GREY MOTTLED INTRUSIVE · TRACE CPy & ASPy ·		71	190	195		1390	130	4.1	11	166	36	583	
		195-205 DOMINANTLY LT & MED GREY SILICEOUS SEDS, LESSER GREY & LT GREY MOTTLED INTRUSIVE · CPy, Py ~ TRACE		72	195	200		685	40	2.6	5	147	38	175	
				73	200	205		973	20	3.6	10	165	45	241	
		205-210 AS ABOVE, CPy ~ 1%		74	205	210		1668	nd	4.5	6	149	40	274	
		210-215 DOMINANTLY LT GREY FELSIC INTRUSIVE · CPy ~ ½% ·		75	210	215		2677	nd	8.1	3	420	49	113	
		215-220 DOMINANTLY GREY SILICEOUS SEDS WITH FAINT PURPLE TINGE · Py ~ TRACE - ½% ·		76	215	220		851	50	3.2	5	172	56	217	
		220-225 MIX OF GREY SILICEOUS SEDS & GREY MOTTLED INTRUSIVE · Py ~ TRACE - ½% ·		77	220	225		1249	20	3.3	8	132	36	1987	
		225-230 AS ABOVE WITH LT GREY MOTTLED INTRUSIVE · F.G. CPy ~ 3% · TRACE ASPy ·		78	225	230		2899	nd	6.1	15	113	38	955	
		230-250 DOMINANTLY LT GREY FELSIC INTRUSIVE, & LESSER GREY SILICEOUS SEDS · F.G. CPy ~ 1-1½% ·		79	230	235		3748	nd	7.5	14	122	35	181	
				80	235	240		3401	nd	7.5	11	73	33	528	
				81	240	245		3599	nd	9.5	12	167	44	241	
		250-265 AS ABOVE, CPy ~ TRACE, ASPy ~ TRACE		82	245	250		3846	50	8.6	15	103	34	1349	
				83	250	255		1226	50	3.2	10	104	33	590	
		265-285 MIX OF LT & DK GREY INTRUSIVE WITH LESSER GREY SILICEOUS SEDS · MINOR QTZ/FELDSPAR. TRACE-ASPy CPy.		84	255	260		1216	20	3.5	6	123	37	532	
				85	260	265		573	30	1.3	9	70	267	2000	
				86	265	270		564	20	0.6	4	70	30	457	
		285-300 AS ABOVE, CPy ~ 1%, Py ~ 1% · TRACE-ASPy		87	270	275		778	40	2.2	1	86	25	577	
		300-305 " " CPy ~ 2%, Py ~ 2%		88	275	280		612	40	1.5	14	140	28	495	
		305-310 " " CPy ~ 2%, ASPy ~ ½-1%		89	280	285		412	30	1.1	14	69	23	419	
				65090	285	290		317	90	1.2	56	72	24	328	

DIAMOND DRILL HOLE RECORD

Bethlehem Resources Corporation

GIANT COPPER

Property

Level A.M. Breccia		Lat.	Dip Tests		Hole No. GCR89-27
Location		Dep.	Footage	Angle	Sheet No. 3
		Elev.			
Length	H.C.	Bearing			Total Recov.
	V.C.	Slope			Logged by

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION
		310-315 AS ABOVE, CPy ~ 1%	
		315-325 " " , CPy ~ ½%, Py ~ ½%	
		325-330 EXCLUSIVELY DK GREY-GREEN MOTTLED INTRUSIVE. CPy ~ TRACE-½%	
		330-335 SAME AS 315-325	
		335-345 SAME AS 325-330	
		345-365 SAME AS 315-325	
		365-380 SAME AS 325-330	
		380-395 MIX OF LT GREY FELSIC MOTTLED INTRUSIVE & DK GREY MOTTLED INTRUSIVE, LESSER GREY SILICEOUS SEDS. CPy ~ TRACE-½%. MINOR QTZ/FELDSPAR CHIPS	
		395-410 AS ABOVE, CPy ~ TRACE, ASPy ~ TRACE	
		410-415 " " , CPy ~ 1-1½, ASPy ~ TRACE	
		415-420 " " , CPy ~ ½-1%	
		420-435 " " , CPy ~ TRACE - ½%	
		435-440 " "	
		440-445 " " , CPy ~ ½-1%, ASPy ~ ½%	
		445-450 " " CPy ~ TRACE, ASPy ~ 5%	
		450-460 " " " " ASPy 1-1½%	
		460-465 " " , CPy ½-1%, ASPy ~ ½-1%	
		465-470 " " , CPy ~ TRACE, ASPy ~ TRACE	
		470-475 " " CPy ½-1%, ASPy ~ ½-1%	
		475-480	
		480-485 AS ABOVE, CPy ~ ½%, ASPy ~ TRACE	
		485-490 " " , CPy ~ TRACE	
		490-495 EXCLUSIVELY DK GREY-DK GREEN MOTTLED INTRUSIVE CPy ~ TRACE.	
		495-500 AS ABOVE, CPy + Py ~ 1%	
		500-515 " " CPy ~ ½%, Py ~ ½%, ASPy ~ TRACE	
		515-520 " " , CPy ~ TRACE	

NO.	FROM	TO	FEET	ppm Cu	ppb Au	ppm Ag	ppm Mo	ppm Zn	ppm Pb	ppm As	Graphic
65091	290	295		734	30	0.8	14	63	20	458	
92	295	300		2711	30	6.5	34	162	30	860	
93	300	305		5000	120	12.6	57	393	123	312	
94	305	310		3672	50	7.8	3	113	37	>2000	
95	310	315		896	30	1.7	4	87	26	605	
96	315	320		1133	20	2.2	4	126	33	257	
97	320	325		2125	20	5.5	5	223	54	299	
98	325	330		1499	20	4.6	<1	686	180	264	
99	330	335		864	50	2.9	4	410	110	225	
100	335	340		1352	50	2.7	5	167	56	186	
101	340	345		843	100	2.6	2	394	96	162	
102	345	350		934	90	1.9	4	261	51	395	
103	350	355		605	180	2.0	4	82	34	218	
104	355	360		895	70	1.5	1	94	30	291	
105	360	365		1678	80	3.4	10	484	53	371	
106	365	370		1163	180	2.4	5	217	58	281	
107	370	375		1080	50	2.2	4	471	136	157	
108	375	380		721	20	1.5	1	585	183	126	
109	380	385		698	40	1.4	3	103	34	419	
110	385	390		881	100	1.5	2	126	35	380	
111	390	395		952	70	2.9	7	178	37	430	
112	395	400		612	250	1.3	2	75	30	>2000	
113	400	405		777	110	2.4	15	174	36	465	
114	405	410		891	50	2.7	10	78	30	679	
115	410	415		5649	200	13.8	4	184	51	1155	
116	415	420		2012	70	6.8	6	330	81	255	
117	420	425		1625	60	3.7	8	363	66	316	
118	425	430		1700	90	3.7	4	508	75	244	
119	430	435		1681	50	2.5	5	122	38	342	
120	435	440		501	30	0.6	4	67	31	188	
121	440	445		1122	470	2.1	6	231	38	>2000	
122	445	450		881	6100	4.4	11	587	68	>2000	
123	450	455		1555	560	6.2	6	1395	270	>2000	
124	455	460		1888	600	9.4	9	1920	254	>2000	
125	460	465		1692	1550	7.4	11	558	199	>2000	
126	465	470		4409	430	5.9	11	355	148	>2000	
127	470	475		2257	1240	20.3	9	461	364	>2000	
65128	475	480		4137	5100	30.3	9	1019	473	>2000	

DIAMOND DRILL HOLE RECORD

Bethlehem Resources Corporation

Property GIANT COPPER

Level A.M. Breccia		Lat.	Dip Tests		Hole No. GCR89-27
Location		Dep.	Footage	Angle	Sheet No. 4
		Elev.			
Length	H.C.	Bearing			Total Recov.
	V.C.	Slope			Logged by KEN HICKS

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION	NO.	FROM	TO	FEET	ppm Cu	ppb Au	ppm Ag	ppm Mo	ppm Zn	ppm Pb	ppm As	Graphic
		520 EOH		65129	480	485		1268	300	3.0	8	384	78	1913	
				130	485	490		1331	380	3.2	11	243	61	1610	
				131	490	495		1397	170	2.1	4	341	102	1057	
				132	495	500		3390	420	8.3	6	460	163	>2000	
				133	500	505		1730	520	5.3	7	406	124	>2000	
				134	505	510		2168	640	10.6	13	353	200	>2000	
				135	510	515		3516	4300	17.4	4	411	303	>2000	
				65136	515	520		1044	390	2.5	7	178	63	>2000	

DIAMOND DRILL HOLE RECORD
Bethlehem Resources Corporation

Property: GIANT COPPER

Level A.M. Breccia	Lat. 9637 N	Dip Tests		Hole No. GCR89-28
Location	Dep. 9950 E	Footage	Angle	Sheet No. 1
	Elev. 5481 FT.			
Length 300 FT	H.C. V.C.	Bearing 184°		Total Recov.
		Slope -45°		Logged by KEN HICKS

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION
0	90	BRECCIA	
		0-50 MIX OF DK E.G. DYKE, E.G. SILICEOUS SEDS, WHITE-GREY FELSIC INTRUSIVE. MOSTLY RUSTY WEA.	
		50-65 MIX AS ABOVE WITH DK GREY SILICEOUS SEDS DOMINANT. TRACE Py, Cpy. NO RUST.	
		65-70 MIX OF GREY MOTTLED FELSIC INTRUSIVE & GREY SILICEOUS SEDS. INTRUSIVE STRONGLY SERICITIZED. Cpy ½-1%, Sp < ½%	
		70-75 AS ABOVE, Cpy, Sp < ½%	
		75-80 " " TRACE Cpy, Sp, Py ~ 5%	
		80-85 " " Cpy ½-1% Py ~ 1%	
		85-90 " " TRACE Cpy, Mo?, Py < ½% WKly RUSTY	
90	110	FELSIC INTRUSIVE	
		90-105 EXCLUSIVELY GREY MOTTLED FELSIC INTRUSIVE, STRONGLY SERICITIC, TRACE Cpy, ASPY	
		105-110 AS ABOVE, NO SULPHIDES.	
110	160	BRECCIA	
		110-120 MIX OF STRONGLY SERICITIC GREY MOTTLED FELSIC INTRUSIVE & GREY SILICEOUS SEDS. NO SULPHIDES	
		120-125 AS ABOVE, 1% Cpy	
		125-130 " " 2% Cpy	
		130-135 " " 3% Cpy	
		135-140 " " 1% Cpy, 5% Py	
		140-145 " " 3% Cpy, 2% Py	
		145-150 " " TRACE Py, MOD RUSTY CHIPS	
		150-155 DOMINANTLY LT GREY E.G. SILICEOUS SEDS, MODERATELY RUSTY, LESSER FELSIC INTRUSIVE. Py ~ 5%	
		155-160 AS ABOVE, Py ~ 1%, TRACE Cpy	
160	280	FELSIC INTRUSIVE	
		160-165 EXCLUSIVELY GREY MOTTLED FELSIC INTRUSIVE Cpy ~ 1-2%, Py ~ 1%	
		165-170 AS ABOVE, Cpy 2-3%, Py < 1%	
		170-175 " " Cpy ~ ½%, Py ~ ½%	

NO.	FROM	TO	FEET	ppm Cu	ppb Au	ppm Ag	ppm Mo	ppm Zn	ppm Pb	ppm As
65137	0	5		549	60	1.6	15	185	63	251
138	5	10		430	70	1.4	12	194	64	243
139	10	15		327	30	1.3	10	156	57	183
140	15	20		445	60	1.7	17	156	52	584
141	20	25		565	40	1.7	21	163	48	300
142	25	30		685	60	1.2	17	237	45	222
144	30	35		718	30	0.8	11	174	42	215
145	35	40		545	40	0.6	17	199	52	500
146	40	45		393	60	0.8	7	144	39	209
147	45	50		349	20	0.4	5	142	48	310
148	50	55		523	50	2.0	8	132	61	442
149	55	60		886	110	1.7	15	137	40	955
150	60	65		1861	10	5.8	8	1244	103	241
66151	65	70		5752	50	20.1	11	1414	131	73
152	70	75		4874	90	17.5	4	1929	158	73
153	75	80		7903	70	27.7	5	1155	147	139
154	80	85		5888	60	23.8	5	1918	206	81
155	85	90		1877	20	6.4	10	343	71	81
156	90	95		1643	80	3.0	15	110	50	126
157	95	100		553	20	0.7	10	81	46	83
158	100	105		474	nd	0.9	11	190	50	202
159	105	110		362	70	1.3	2	79	52	897
160	110	115		140	70	0.7	14	99	45	119
161	115	120		209	30	1.0	12	70	49	102
162	120	125		2341	20	5.5	10	98	47	73
163	125	130		5425	40	20.0	12	729	67	58
164	130	135		7388	30	18.2	14	386	119	57
165	135	140		8416	370	22.0	6	1411	402	63
166	140	145		5395	130	15.2	7	979	123	167
167	145	150		1668	100	4.8	3	351	82	368
168	150	155		1598	80	3.9	5	264	42	435
169	155	160		1086	100	1.5	5	101	28	1158
68170	160	165		6757	140	18.3	1	293	51	89
68171	165	170		6181	70	15.3	2	175	74	127
68172	170	175		6635	680	18.0	4	586	126	104

Graphic

DIAMOND DRILL HOLE RECORD

Bethlehem Resources Corporation

GIANT COPPER

Property

Level A.M. Breccia		Lat.	Dip Tests		Hole No. GCR89-28
Location		Dep.	Footage	Angle	Sheet No. 2
		Elev.			
Length	H.C.	Bearing			Total Recov.
	V.C.	Slope			Logged by

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION
		175-185 AS ABOVE, Cpy 1-2%, Py 1-2%	
		185-190 EXCLUSIVELY DK GREY MOTTLED INTRUSIVE Cpy ~ 1%, Py ~ 1%	
		190-195 AS ABOVE, Cpy 2%, Py 1%	
		195-205 " " Cpy 3%, Py 1%	
		205-210 DK GREY & LT GREY MOTTLED FELSIC INTRUSIVE Cpy 1-2%, Py ~ 1%	
		210-215 AS ABOVE, Cpy ~ ½%, Py ~ 1%, CLAY (Fault)	
		215-220 EXCLUSIVELY DK GREY MOTTLED FELSIC INTRUSIVE	
		220-230 AS ABOVE, TRACE Cpy	
		230-240 " " Cpy ~ 3%, Py ~ 3%	
		240-255 " " Cpy ~ 1-2%, Py ~ 1-2%	
		255-260 " " Cpy ~ 1%, Py ~ 1%	
		260-275 " " Cpy ~ ½%, Py ~ ½%	
		275-280 " " Cpy 1-2%, Py ~ 1%	
280	300	BRECCIA? / INTRUSIVE	
		280-285 DK GREY INTRUSIVE & DK GREY SEDS. Cpy ~ ½%	
		285-295 AS ABOVE, Cpy 1-2%, Py ~ 1%	
		295-300 " " Cpy ½-1%, Py 2-3%.	
		300 EOH	

No.	FROM	TO	FEET	ppm Cu	ppb Au	ppm Ag	ppm Mo	ppm Zn	ppm Pb	ppm As	Graphic
66173	175	180		7593	270	20.8	3	860	228	61	
179	180	185		6592	290	18.7	4	791	224	75	
175	185	190		5709	230	16.0	4	531	143	24	
66176	190	195		13216	600	25.4	2	1069	208	145	
177	195	200		13513	660	29.5	1	1127	219	88	
178	200	205		15594	470	49.0	1	399	76	791	
179	205	210		7804	450	25.3	<1	415	56	102	
66180	210	215		5033	130	14.2	2	484	92	92	
181	215	220		1143	60	3.3	1	151	42	133	
182	220	225		411	50	1.3	1	100	35	159	
183	225	230		684	40	1.9	1	128	46	56	
184	230	235		9909	250	21.7	<1	311	75	200	
185	235	240		7134	200	15.9	2	281	71	179	
186	240	245		5256	220	11.1	5	296	64	116	
187	245	250		4002	140	8.8	3	246	50	92	
188	250	255		4558	200	9.2	<1	216	49	93	
189	255	260		2721	130	6.2	3	175	46	63	
190	260	265		860	70	2.2	9	181	53	60	
191	265	270		1255	70	3.1	13	194	47	52	
192	270	275		2690	140	6.2	2	151	48	99	
193	275	280		5294	170	13.4	3	163	53	112	
66194	280	285		2063	50	6.5	3	137	47	106	
195	285	290		3714	160	10.0	8	263	86	96	
196	290	295		8770	400	9.8	10	264	55	82	
197	295	300		6116	370	8.3	9	172	48	83	

DIAMOND DRILL HOLE RECORD
Bethlehem Resources Corporation

Property GIANT COPPER

Level		Lat. 11346 N	Dip Tests		Hole No. GCR89-29
Location		Dep. 11728 E	Footage	Angle	Sheet No. 1
		Elev. 5080 FT			
Length	H.C.	Bearing 160°			Total Recov.
440 FT.	V.C.	Slope -45°			Logged by KEN HICKS

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION	No.	FROM	TO	FEET	ppm Cu	ppb Au	ppm Ag	ppm Mo	ppm Zn	ppm Pb	ppm As	Graphic
0	440	BRECCIATED SEDS & INTRUSIVE													
		0-20 RUSTY WEATHERING MIX OF F.G. GREY INTRUSIVE AND SILICEOUS SEDS.		66198	0	5		214	30	0.8	5	195	98	89	
				199	5	10		189	nd	1.0	4	182	66	65	
				200	10	15		329	20	1.4	5	188	63	125	
		20-30 DOMINANTLY F.G. GREY INTRUSIVE, LESSER SILICEOUS SEDS & MINOR APHANITIC MAFIC DYKE. CONCOIDAL FRAC, POSSIBLE CHERTY. MODERATE AMOUNT OF RUSTY CHIPS		66601	15	20		140	nd	1.1	6	164	80	92	
				2	20	25		126	20	1.0	3	149	80	96	
				3	25	30		100	5	3.1	28	338	220	263	
		30-40 EXCLUSIVELY F.G. FELSIC INTRUSIVE WITH MINOR F.G. MUSCOVITE/SERICITE. MINOR PATCHES OF Tϕ. DOMINANTLY RUSTY WEATHERING.		66609	30	35		95	5	2.1	27	430	412	332	
				5	35	40		161	nd	2.7	11	480	222	190	
		40-50 MIX OF FELSIC INTRUSIVE & DIORITIC INTRUSIVE. RUSTY WEA.		6	40	45		95	nd	1.6	6	439	169	154	
				7	45	50		192	30	3.4	8	502	243	272	
		50-80 SAME AS 30-40		66608	50	55		283	10	2.4	15	469	176	166	
				9	55	60		801	20	4.4	10	297	364	208	
		80-85 " " , Py ~ ½%		10	60	65		752	10	5.2	15	257	237	214	
		85-95 " " , MINOR Tϕ, MINOR RUSTY CHIPS		11	65	70		1021	20	7.9	12	237	190	358	
				12	70	75		1341	10	9.3	10	213	214	139	
		95-100 SAME FELSIC INTRUSIVE HOST AS ABOVE, ~3% SP 1% CPy, ½-1% GALENA, TRACE ASPy. USUALLY OCCURRING IN QTZ-FELDSPAR MICROPEGMATITE MATERIAL		13	75	80		1522	20	16.7	10	380	473	796	
				14	80	85		4368	nd	26.6	9	607	231	554	
				15	85	90		1257	nd	7.3	9	768	225	191	
		100-105 AS ABOVE WITH SP ~ 1%, ½% CPy.		16	90	95		6679	150	61.0	7	4042	1808	741	
		105-115 LT GREY FELSIC INTRUSIVE WITH MINOR SPOTTED Tϕ. DIFFICULT TO USUALLY DISTINGUISH ALTERITE CHIPS OF Tϕ & SP. TRACE CPy.		17	95	100		2824	500	60.3	47	47600	9258	>2000	
				18	100	105		2236	790	49.9	27	29000	7130	>2000	
				19	105	110		620	50	9.5	11	3804	984	1175	
		115-120 AS ABOVE WITH PATCHY Tϕ ~3-5%, TRACE GALENA AND CPy.		20	110	115		2681	20	25.4	10	4278	962	491	
				21	115	120		1971	170	114.9	16	7922	30200	>2000	
		120-125 AS ABOVE WITH 3% CPy, 1% ASPy, ½% SP.		66622	120	125		6169	720	106.3	12	27200	7032	>2000	
		125-130 " " WITH 5% CPy, 3% SP, 1% ASPy, ½% GA. UNDER MICROSCOPE, REDDISH SP OR RUBY SILVER AND F.G. TETRAHEDRITE. QUARTZ EYES IN INTRUSIVE. MINOR Tϕ		23	125	130		18078	1430	212.6	18	30500	9280	>2000	
		130-135 MIX OF GREY FELSIC INTRUSIVE & GREY SILICEOUS SEDS. MINOR Tϕ. CPy ~ ½%, GA, ASPy ~ TRACE		66629	130	135		1840	50	27.5	7	2524	1400	297	
		135-140 AS ABOVE WITH 2-3% Tϕ, TRACE ASPy.		66625	135	140		1372	50	12.7	5	797	420	204	

DIAMOND DRILL HOLE RECORD

Bethlehem Resources Corporation

Property: GIANT COPPER

Level		Lat.	Dip Tests		Hole No. GCR89-29
Location		Dep.	Footage	Angle	Sheet No. 2
		Elev.			
Length	H.C.	Bearing			Total Recov.
	V.C.	Slope			Logged by KEN HICKS

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION	NO.	FROM	TO	FEET	ppm Cu	ppb Au	ppm Ag	ppm Mo	ppm Zn	ppm Pb	ppm As	Graphic
		140-145 AS ABOVE, WITH MINOR CHIPS OF QTZ/T@ BRECCIA CPy ½-1%, TRACE AMOUNTS OF SP, GA & ASPy. ABDT CLAY (FAULT ZONE)		66626	140	145		4707	180	54.5	12	11668	2879	914	
		145-150 MIX OF F.G. MAFIC DYKE, GREY SILICEOUS SEDS & FELSIC INTRUSIVE. TRACES OF CPy, ASPy & SP.		66627	145	150		3218	590	27.0	7	2038	663	653	
		150-155 EXCLUSIVELY DK GREY F.G. SILICEOUS SEDS. MOD RUSTY CHIPS. Py ON FRAC <1%		66628	150	155		592	80	4.4	10	1147	308	450	
		155-165 AS ABOVE, NO RUST.		66629	155	160		377	100	4.8	14	975	189	465	
				630	160	165		717	50	6.4	26	1077	327	>2000	
		165-180 MIX OF DK GREY SILICEOUS SEDS, & GREY-DK GREY F.G. DIORITIC INTRUSIVE		66631	165	170		366	30	2.3	7	2028	182	1570	
				32	170	175		176	10	1.1	5	1554	226	278	
				33	175	180		317	40	4.3	10	1065	436	1766	
		180-190 DOMINANTLY LT & DK GREY SILICEOUS & RUSTY SEDS WITH LESSER DARK F.G. DIORITIC INTRUSIVE. STRONGLY RUSTY.		66634	180	185		194	nd	1.4	5	807	105	323	
				35	185	190		250	nd	1.5	11	938	112	301	
		190-220 EXCLUSIVELY LT & DK GREY SILICEOUS SEDS. MOD RUSTY.		66636	190	195		175	nd	0.9	6	412	46	138	
				37	195	200		185	nd	0.5	5	536	45	94	
				38	200	205		343	nd	2.8	5	785	211	241	
				39	205	210		194	nd	0.6	7	229	65	69	
				40	210	215		159	nd	1.1	5	145	39	38	
				41	215	220		114	nd	0.7	5	165	55	54	
				42	220	225		208	nd	1.5	10	173	71	58	
				43	225	230		184	nd	0.9	10	123	67	194	
				44	230	235		131	nd	0.6	7	84	37	30	
				45	235	240		114	nd	1.2	7	402	164	325	
				46	240	245		205	30	2.3	7	985	321	769	
		220-225 AS 180-190, WK RUST.													
		225-235 AS 190-220.													
		235-240 " " , WITH FAINT PURPLISH TINGE (2°ARY BIOTITE?, HORNFELSING)													
		240-245 PURPLISH-GREY (HORNFELSED) SILICEOUS SEDS WITH MINOR F.G. MAFIC DYKE. MINOR Py ~ 1% ISOLATED CHIP OF CPy.													
		245-280 EXCLUSIVELY GREY-PURPLISH SILICEOUS SEDS. Py<1%		66647	245	250		124	20	0.5	7	102	43	27	
				48	250	255		134	nd	1.1	5	85	31	37	
				49	255	260		135	40	0.8	5	183	94	64	
				50	260	265		168	30	0.9	7	306	123	506	
				51	265	270		167	nd	1.4	11	802	304	1378	
				52	270	275		187	10	1.0	9	366	159	439	
				53	275	280		175	30	1.1	7	456	142	332	
				54	280	285		111	20	0.7	5	420	80	251	
				55	285	290		81	nd	0.5	6	624	53	197	
		280-285 AS ABOVE, SLTLY PURPLE. GOOD LAYERING													
		285-330 GREY SILICEOUS SEDS WITH FAINT PURPLISH TINGE (MINOR CHIPS OF T@ FROM 285-295)													
		330-390 DK GREY SILICEOUS SEDS & F.G. MAFIC INTRUSIVE/ DYKE.													

DIAMOND DRILL HOLE RECORD
Bethlehem Resources Corporation

Property: GIANT COPPER

Level		Lat.	Dip Tests		Hole No. GCR89-29
Location		Dep.	Footage	Angle	Sheet No. 3
		Elev.			
Length	H.C.	Bearing			Total Recov.
	V.C.	Slope			Logged by KEN HICKS

FOOTAGE FROM	FOOTAGE TO	DESCRIPTIONS	MINERALIZATION	NO.	FROM	TO	FEET	ppm Cu	ppb Au	ppm Ag	ppm Mo	ppm Zn	ppm Pb	ppm As	Graphic
		340-365 DOMINANTLY F.G. PURPLISH & DK GREY INTRUSIVE ROCKS, SILICIFIED.		66656	290	295		50	nd	0.7	6	261	72	22	
				57	295	300		85	nd	0.7	4	190	74	82	
				58	300	305		102	nd	0.7	4	211	64	72	
		365-370 GOOD MIX OF LT GREY SILICEOUS SEDS & DK PURPLISH F.G. SILICEOUS INTRUSIVE ROCKS.		59	305	310		63	nd	0.7	2	125	44	40	
				60	310	315		85	nd	0.9	3	112	32	29	
				61	315	320		64	nd	0.7	3	336	132	31	
		370-400 (EXCLUSIVELY) F.G. GREY SILICEOUS SEDS (LOOKS LIKE F.G. FELSIC INTRUSIVE) · PATCHY PURPLISH COLORATION.		62	320	325		150	nd	1.4	3	232	80	167	
				63	325	330		95	10	0.7	3	115	32	11	
				64	330	335		225	nd	0.6	5	72	25	9	
				65	335	340		132	nd	0.7	2	97	31	11	
		400-405 MIX OF LT-DK GREY SILICEOUS SEDS & QTZ PORPHYRY FELSIC INTRUSION, STRONGLY SERICITIC. CPy ~ ½-1%. TRACE BSPy.		66	340	345		227	5	2.2	10	454	109	210	
				67	345	350		86	10	0.4	1	93	33	11	
				68	350	355		87	nd	0.5	1	115	34	14	
		405-415 AS ABOVE, Py ~ 1%, TRACE - CPy, BSPy		69	355	360		66	nd	0.5	2	132	39	27	
				70	360	365		49	20	0.7	2	125	38	30	
		415-420 " " , MORE SEDS, Py ~ 3-5%. TRACE CPy		71	365	370		44	30	0.5	2	132	53	8	
				72	370	375		46	nd	1.0	3	516	160	66	
		420-430 GREY PURPLISH SILICEOUS SEDS & DK GREY MOTTLED SILICIFIED INTRUSIVE · Py ~ 3%		73	375	380		45	nd	0.9	2	239	99	12	
				74	380	385		258	30	1.9	4	601	165	159	
				75	385	390		94	10	1.0	3	654	308	42	
		430-435 MIX OF GREY SILICEOUS SEDS & F.G. SILICEOUS DK PURPLISH INTRUSIVE ROCK (GABBRO?)		76	390	395		59	nd	1.0	4	249	88	5	
				77	395	400		125	nd	0.5	8	157	94	21	
				78	400	405		2821	240	31.5	11	12671	2498	2000	
		435-440 MIX OF QTZ EYE FELSIC INTRUSIVE, DK F.G. PURPLISH SILICIFIED INTRUSIVE (GABBRO?) & GREY SILICEOUS SEDS. MINOR QTZ-FELDSPAR WITH ½% CPy, TRACE GA. Py ~ 3-5%		79	405	410		1819	330	15.0	13	4660	1198	1357	
				80	410	415		960	60	7.4	6	2842	395	492	
				81	415	420		486	20	2.3	7	997	159	195	
				82	420	425		486	50	3.5	6	1196	171	144	
				83	425	430		607	80	5.2	6	1594	391	466	
				84	430	435		374	30	2.8	5	952	271	258	
		440 EOH		66685	435	440		1123	170	11.1	6	3349	759	686	

APPENDIX IV

ANALYTICAL METHODS

VGC

VANGEOCHEM LAB LIMITED

MAIN OFFICE AND LABORATORY
1988 Triumph Street
Vancouver, B.C. V5L 1K5
(604)251-5656 FAX:254-5717

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

VANGEOCHEM LAB LIMITED

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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

MAIN OFFICE AND LABORATORY
1988 Triumph Street
Vancouver, B.C. V5L 1K5
(604)251-5656 FAX:254-5717

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.

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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

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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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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 V

ASSAY CERTIFICATES

VGC VANGEOCHEM LAB LIMITED

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

ASSAY ANALYTICAL REPORT

CLIENT: BETHLEHEM RESOURCES CORP.
ADDRESS: 860 - 808 W. Hastings St.
: Vancouver, BC
: V6C 2X4

DATE: DEC. 12 1989
REPORT#: 890847 AA
JOB#: 890847

PROJECT#: GIANT COPPER
SAMPLES ARRIVED: DEC. 08 1989
REPORT COMPLETED: DEC. 12 1989
ANALYSED FOR: Mo Cu Pb Zn Ag

INVOICE#: 890847 NA
TOTAL SAMPLES: 26
REJECTS/PULPS: 90 DAYS/1 YR
SAMPLE TYPE: 26 ROCK PULPS

SAMPLES FROM: JOB FILES: 890827/34/37/40/41
COPY SENT TO: BETHLEHEM RESOURCES CORP.

PREPARED FOR: MR. BRIAN KYNOCH

35th ANNIVERSARY

ANALYSED BY: Raymond Chan

SIGNED: Raymond Chan
Registered Provincial Assayer

GENERAL REMARK: None

VGC VANGEOCHEM LAB LIMITED

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

REPORT NUMBER: 890847 AA JOB NUMBER: 890847 BETHLEHEM RESOURCES CORP.

SAMPLE #	Mo %	Cu %	Pb %	Zn %	Ag oz/st
62158 (890827)	--	--	--	--	1.81
62159 (890827)	--	--	--	--	1.42
62181 (890827)	.16	--	--	--	--
62183 (890827)	.15	--	--	--	--
62190 (890827)	--	--	--	--	1.67
62191 (890827)	.15	--	--	--	1.48
66967 (890827)	--	--	--	--	1.74
66968 (890827)	--	--	--	--	9.50
66970 (890827)	--	--	--	--	10.11
66971 (890827)	--	--	--	--	4.30
62246 (890834)	--	--	--	--	1.46
62248 (890834)	--	--	--	--	1.36
62258 (890834)	--	2.46	--	--	--
62259 (890834)	--	2.65	--	--	--
62279 (890834)	.19	--	--	--	--
62280 (890834)	.28	--	--	--	--
62281 (890834)	.25	--	--	--	--
65046 (890837)	.16	--	--	--	--
66178 (890840)	--	--	--	--	1.43
66616 (890840)	--	--	--	--	1.77
DETECTION LIMIT	.01	.01	.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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BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

SAMPLE #	Mo %	Cu %	Pb %	Zn %	Ag oz/st
66622 (890840)	--	--	--	2.72	3.10
66617 (890841)	--	--	--	4.76	1.76
66618 (890841)	--	--	--	2.90	1.28
66621 (890841)	--	--	3.02	--	3.35
66623 (890841)	--	--	--	3.05	6.20
66626 (890841)	--	--	--	--	1.59
DETECTION LIMIT	.01	.01	.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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RENO, NEVADA, U.S.A.

GEOCHEMICAL ANALYTICAL REPORT

CLIENT: BETHLEHEM RESOURCES CORP.
ADDRESS: 860 - 808 W. Hastings St.
: Vancouver, BC
: V6C 2X4

DATE: DEC. 08 1989
REPORT#: 890841 GA
JOB#: 890841

PROJECT#: GIANT COPPER
SAMPLES ARRIVED: DEC. 04 1989
REPORT COMPLETED: DEC. 08 1989
ANALYSED FOR: Au (FA/AAS) ICP

INVOICE#: 890841 NA
TOTAL SAMPLES: 140
SAMPLE TYPE: 140 DRILL CUT
REJECTS: SAVED

SAMPLES FROM: HOPE BC
COPY SENT TO: BETHLEHEM RESOURCES CORP.

PREPARED FOR: MR. BRIAN KYNOCH

ANALYSED BY: VGC Staff

SIGNED: Jaime C. Wong

GENERAL REMARK: Sample #65135 is suspected to have free gold.
Au Recheck value is 1950 ppb.

VGC VANGEOCHEM LAB LIMITED

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RENO, NEVADA, U.S.A.

REPORT NUMBER: 890841 GA JOB NUMBER: 890841 BETHLEHEM RESOURCES CORP.

SAMPLE #	Au ppb
65063	40
65064	30
65065	60
65066	80
65067	20
65068	30
65069	20
65070	100
65100	50
65102	90
65104	70
65105	80
65106	180
65107	50
65108	20
65109	40
65110	100
65112	250
65115	200
65117	60
65120	30
65121	470
65123	560
65124	600
65125	1550
65126	430
65127	1240
65128	5100
65129	300
65130	380
65131	170
65132	420
65133	520
65134	640
65135	4300
65136	390
65137	60
65138	70
65139	30
DETECTION LIMIT	5

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

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SAMPLE #	Au ppb
65142	60
65144	30
65145	40
65146	60
65147	20
65149	110
65150	10
66151	50
66152	90
66153	70
66154	60
66155	20
66156	80
66157	20
66158	nd
66165	370
66166	130
66167	100
66168	80
66169	100
66171	70
66172	180
66176	600
66195	160
66196	400
66197	370
66198	30
66199	nd
66601	nd
66603	5
66604	5
66605	nd
66606	nd
66607	30
66608	10
66609	20
66610	10
66611	20
66612	10
DETECTION LIMIT	5

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

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RENO, NEVADA, U.S.A.

SAMPLE #	Au ppb
66613	20
66614	nd
66615	nd
66617	500
66618	790
66619	50
66620	20
66621	170
66623	1430
66626	180
66627	590
66628	80
66630	50
66631	30
66632	10
66633	40
66634	nd
66635	nd
66636	nd
66637	nd
66638	nd
66639	nd
66640	nd
66641	nd
66642	nd
66643	nd
66644	nd
66645	nd
66648	nd
66651	nd
66652	10
66653	30
66654	20
66655	nd
66656	nd
66658	nd
66659	nd
66660	nd
66661	nd

DETECTION LIMIT 5

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

VGC VANGEOCHEM LAB LIMITED

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

SAMPLE #	Au ppb
66662	nd
66663	10
66664	nd
66665	nd
66666	5
66667	10
66668	nd
66669	nd
66670	20
66672	nd
66673	nd
66674	30
66675	10
66676	nd
66677	nd
66678	240
66679	330
66680	60
66681	20
66682	50
66683	80
66684	30
66685	170

DETECTION LIMIT 5

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

1988 Triumph Street, Vancouver, B... 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 #: 890841 PA BETHLEHEM Proj: GIANT COPPER Date In: 89/12/04 Date Out:89/12/07 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
65063	1.5	0.77	221	45	4	0.87	1.5	37	282	452	>10.00	0.01	2.32	6409	17	0.03	277	0.06	53	<2	2	9	<5	<3	197
65064	4.8	0.53	104	25	7	0.37	3.8	21	333	2673	>10.00	0.03	2.90	4906	1	0.02	349	0.04	45	<2	2	7	<5	<3	132
65065	4.4	1.17	123	63	5	0.52	3.7	27	380	2446	>10.00	0.01	2.73	5941	5	0.02	289	0.05	59	<2	2	15	<5	<3	365
65066	1.3	2.21	96	152	3	1.25	1.5	48	576	507	6.74	0.03	3.60	3219	5	0.01	376	0.04	53	<2	<2	17	<5	<3	319
65067	1.5	0.71	164	44	5	0.98	3.8	35	361	561	>10.00	0.01	2.45	10376	4	0.03	398	0.04	58	<2	<2	8	<5	<3	353
65068	0.8	0.57	205	29	<3	0.38	1.0	16	107	325	6.84	0.01	1.08	2584	119	0.13	79	0.12	25	<2	<2	6	<5	<3	78
65069	6.1	0.81	769	45	3	0.36	1.2	30	94	3068	9.15	0.01	1.33	2460	23	0.11	69	0.11	31	<2	2	7	<5	<3	113
65070	4.1	0.79	798	21	3	0.48	0.6	39	37	2014	7.32	0.01	1.13	1788	16	0.06	51	0.11	26	<2	<2	7	<5	<3	76
65100	2.7	0.94	186	23	3	0.40	1.1	16	24	1352	>10.00	0.02	1.05	3107	5	0.03	33	0.10	56	<2	<2	5	<5	<3	167
65102	1.9	1.09	395	21	3	0.54	2.0	19	31	934	>10.00	0.04	1.25	3853	4	0.03	32	0.16	51	<2	<2	6	<5	<3	261
65104	1.5	0.61	291	14	3	0.49	0.8	18	22	895	9.83	0.04	1.25	2975	1	0.03	32	0.14	30	<2	<2	5	<5	<3	94
65105	3.4	0.95	371	24	<3	0.50	3.0	23	26	1678	9.71	0.05	1.26	3178	10	0.03	39	0.12	53	<2	<2	6	<5	<3	484
65106	2.4	1.90	281	28	4	0.53	1.3	19	24	1163	>10.00	0.01	1.49	2731	5	0.03	32	0.16	58	<2	<2	7	<5	<3	217
65107	2.2	2.09	157	28	3	1.04	3.2	16	23	1080	>10.00	0.09	1.83	3857	4	0.03	29	0.15	136	<2	<2	10	<5	<3	471
65108	1.5	2.31	126	39	4	1.10	3.8	15	18	721	>10.00	0.01	1.84	4431	1	0.04	23	0.15	183	<2	<2	13	<5	<3	585
65109	1.4	0.76	419	23	3	0.47	0.3	18	29	698	>10.00	0.10	1.36	3393	3	0.04	25	0.12	34	<2	<2	5	<5	<3	103
65110	1.5	0.87	380	26	3	0.49	0.2	18	24	881	>10.00	0.11	1.22	3183	2	0.04	26	0.12	35	<2	<2	6	<5	<3	126
65112	1.3	0.62	>2000	20	<3	0.44	0.5	70	26	612	>10.00	0.12	1.23	3313	2	0.03	34	0.12	30	<2	<2	5	<5	<3	75
65115	13.8	0.79	1155	26	4	0.84	1.3	31	54	5649	>10.00	0.17	1.25	3721	4	0.03	43	0.13	51	<2	2	15	<5	<3	184
65117	3.7	1.02	316	30	3	0.52	2.0	19	28	1625	>10.00	0.14	1.14	4306	8	0.04	39	0.14	66	<2	<2	7	<5	<3	363
65120	0.6	0.48	188	15	3	0.43	0.5	15	29	501	>10.00	0.16	1.08	3072	4	0.03	33	0.13	31	<2	<2	3	<5	<3	67
65121	2.1	0.66	>2000	22	3	0.49	0.7	33	25	1122	>10.00	0.18	1.22	3613	6	0.03	29	0.12	38	<2	<2	5	<5	<3	231
65123	6.2	1.08	>2000	27	7	0.43	9.5	56	22	1555	>10.00	0.19	1.11	3852	6	0.03	25	0.13	270	<2	<2	6	<5	<3	1395
65124	9.4	1.05	>2000	36	8	0.57	13.7	55	36	1888	9.51	0.19	1.16	2643	9	0.04	39	0.12	254	<2	<2	9	<5	<3	1920
65125	7.4	1.02	>2000	27	8	0.52	2.8	72	36	1692	9.82	0.20	1.17	2607	11	0.04	33	0.15	199	<2	<2	6	<5	<3	558
65126	5.9	1.26	>2000	28	7	0.44	1.3	50	37	1409	9.05	0.19	1.14	2117	11	0.04	31	0.11	148	<2	<2	6	<5	<3	355
65127	20.3	0.79	>2000	23	23	0.56	0.1	301	38	2257	8.23	0.19	1.02	2106	9	0.02	27	0.12	364	<2	<2	7	<5	<3	461
65128	30.3	0.92	>2000	22	27	0.43	1.9	414	33	4137	7.97	0.19	0.87	1958	9	0.03	26	0.13	473	<2	<2	6	<5	<3	1019
65129	3.0	1.34	1913	25	4	0.48	2.2	49	34	1268	9.86	0.24	1.16	2714	8	0.03	30	0.12	78	<2	<2	6	<5	<3	384
65130	3.2	1.06	1610	43	<3	0.58	0.4	56	31	1331	7.57	0.21	0.94	2091	11	0.03	25	0.12	61	<2	<2	12	<5	<3	243
65131	2.1	1.84	1057	32	<3	0.67	1.5	24	32	1397	8.82	0.25	1.39	1944	4	0.03	21	0.13	102	<2	<2	14	<5	<3	341
65132	8.3	1.90	>2000	34	10	0.64	2.2	120	28	3390	8.94	0.26	1.35	1883	6	0.03	32	0.17	163	<2	<2	11	<5	<3	460
65133	5.3	1.28	>2000	25	10	0.56	0.8	187	28	1730	8.36	0.25	1.13	2285	7	0.03	23	0.14	124	<2	<2	7	<5	<3	406
65134	10.6	1.42	>2000	53	20	0.64	0.7	245	32	2168	8.01	0.26	1.13	2183	13	0.04	31	0.14	200	<2	<2	13	<5	<3	353
65135	17.4	1.59	>2000	26	33	0.69	0.1	534	59	3516	8.45	0.29	1.24	1972	4	0.03	32	0.19	303	<2	<2	10	<5	<3	411
65136	2.5	1.08	>2000	26	4	0.66	0.6	54	62	1044	6.82	0.25	1.03	1870	7	0.03	33	0.13	63	<2	<2	11	<5	<3	178
65137	1.6	2.69	251	54	<3	0.25	1.0	19	56	549	3.56	0.12	0.73	816	15	0.03	38	0.07	63	<2	<2	19	<5	<3	185
65138	1.4	2.51	243	74	<3	0.26	1.0	18	64	430	3.56	0.13	0.90	689	12	0.02	46	0.06	64	<2	<2	21	<5	<3	194
65139	1.3	2.14	183	55	<3	0.28	0.1	13	54	327	3.01	0.12	0.73	579	10	0.02	32	0.06	57	<2	<2	21	<5	<3	156
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

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

REPORT #: 890841 PA BETHLEHEM Proj: GIANT COPPER Date In: 89/12/04 Date Out:89/12/07 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
65142	1.2	2.49	222	68	<3	0.32	2.9	22	83	685	4.18	0.18	1.23	783	17	0.02	62	0.07	45	<2	<2	24	<5	<3	237
65144	0.8	2.89	215	83	<3	0.44	0.3	25	58	718	3.57	0.18	1.12	665	11	0.02	50	0.07	42	<2	<2	43	<5	<3	174
65145	0.6	3.01	500	69	<3	0.35	0.7	36	57	545	4.34	0.19	0.92	772	17	0.02	53	0.08	52	<2	<2	37	<5	<3	199
65146	0.8	2.91	209	61	<3	0.50	0.1	22	45	393	3.37	0.18	0.95	594	7	0.03	38	0.08	39	<2	<2	52	<5	<3	144
65147	0.4	3.08	310	63	<3	0.67	0.6	23	64	349	3.61	0.21	0.95	500	5	0.03	39	0.08	48	<2	<2	71	<5	<3	142
65149	1.7	2.59	955	52	<3	0.57	0.3	32	42	886	4.19	0.22	0.87	792	15	0.03	44	0.08	40	<2	<2	57	<5	<3	137
65150	5.8	2.78	241	189	3	0.54	8.2	30	380	1861	9.27	0.38	2.24	2809	8	0.03	159	0.08	103	<2	<2	25	<5	<3	1244
66151	20.1	1.89	73	35	4	0.25	10.7	19	70	5752	>10.00	0.39	1.59	3452	11	0.06	53	0.05	131	<2	<2	7	<5	<3	1414
66152	17.5	1.82	73	20	3	0.26	14.2	26	34	4874	>10.00	0.38	1.47	3402	4	0.07	33	0.09	158	<2	<2	5	<5	<3	1929
66153	27.7	2.32	139	16	4	0.30	9.2	46	47	7903	>10.00	0.42	1.59	3417	5	0.05	45	0.15	147	<2	<2	4	<5	<3	1155
66154	23.8	1.61	81	15	3	0.20	14.4	27	77	5888	8.64	0.31	1.24	2652	5	0.05	42	0.09	206	<2	<2	4	<5	<3	1918
66155	6.4	2.15	81	12	4	0.24	3.0	24	73	1877	>10.00	0.41	1.59	2982	10	0.07	40	0.11	71	<2	<2	4	<5	<3	343
66156	3.0	4.26	126	10	4	0.22	1.4	14	133	1643	>10.00	0.46	1.76	3003	15	0.05	49	0.14	50	<2	<2	2	<5	<3	110
66157	0.7	3.31	83	12	4	0.24	1.6	10	159	553	>10.00	0.48	1.79	3005	10	0.07	51	0.12	46	<2	<2	3	<5	<3	81
66158	0.9	3.13	202	16	4	0.17	1.5	16	93	474	>10.00	0.44	1.67	2841	11	0.06	52	0.06	50	<2	<2	4	<5	<3	190
66165	22.0	1.92	63	14	4	0.26	10.8	39	33	8416	>10.00	0.41	1.81	4508	6	0.09	64	0.13	402	<2	<2	4	<5	<3	1411
66166	15.2	1.87	167	21	4	0.28	7.4	30	49	5395	>10.00	0.42	1.56	3309	7	0.06	63	0.11	123	<2	<2	7	<5	<3	979
66167	4.8	1.33	368	22	<3	0.15	1.4	25	21	1668	7.90	0.28	0.93	2025	3	0.04	42	0.07	82	<2	<2	2	<5	<3	351
66168	3.9	0.82	435	18	<3	0.20	0.6	33	24	1598	7.46	0.27	0.91	2070	5	0.03	47	0.07	42	<2	<2	2	<5	<3	264
66169	1.5	0.98	1158	22	<3	0.20	0.1	26	16	1086	7.69	0.28	0.95	2175	5	0.04	35	0.07	28	<2	<2	2	<5	<3	101
66171	15.3	1.49	127	30	5	0.48	2.7	11	21	6181	>10.00	0.52	1.72	3795	2	0.04	54	0.16	74	<2	7	4	<5	<3	175
66172	18.0	1.57	104	21	3	0.24	4.3	17	28	6635	9.67	0.35	1.22	2723	4	0.06	44	0.09	126	<2	<2	3	<5	<3	586
66176	25.4	3.04	145	35	4	0.30	8.8	41	31	13216	>10.00	0.43	1.48	3065	2	0.06	80	0.11	208	<2	<2	7	<5	<3	1069
66195	10.0	2.77	96	32	4	0.72	2.6	21	57	3714	>10.00	0.48	1.95	3251	8	0.05	49	0.17	86	<2	<2	9	<5	<3	263
66196	9.8	3.21	82	83	4	1.39	2.9	36	57	8770	>10.00	0.56	1.98	2092	10	0.04	57	0.16	55	<2	<2	14	<5	<3	264
66197	8.3	3.09	83	47	4	1.61	1.4	43	32	6116	>10.00	0.58	1.87	2301	9	0.04	66	0.18	48	<2	<2	12	<5	<3	172
66198	0.8	3.22	89	60	<3	0.24	0.3	15	47	214	3.01	0.13	0.59	390	5	0.02	23	0.07	98	<2	<2	30	<5	<3	195
66199	1.0	2.63	65	64	<3	0.24	1.0	12	30	189	2.34	0.11	0.55	332	4	0.02	23	0.06	66	<2	<2	24	<5	<3	182
66601	1.1	2.37	92	53	<3	0.27	1.0	13	29	140	2.35	0.11	0.59	407	6	0.02	18	0.05	80	<2	<2	30	<5	<3	164
66603	3.1	1.24	263	26	<3	0.18	1.0	9	33	100	3.24	0.13	0.34	940	28	0.01	13	0.04	220	<2	<2	18	<5	<3	338
66604	2.1	1.02	332	22	<3	0.08	1.4	9	16	95	4.16	0.15	0.24	1854	27	0.02	11	0.04	412	<2	<2	11	<5	<3	430
66605	2.7	0.88	190	25	<3	0.10	1.9	9	26	161	3.28	0.12	0.18	1241	11	0.02	13	0.04	222	<2	<2	17	<5	<3	480
66606	1.6	1.13	154	33	<3	0.16	1.7	8	20	95	2.30	0.10	0.29	1140	6	0.02	16	0.05	169	<2	<2	16	<5	<3	439
66607	3.4	0.53	277	19	<3	0.07	2.2	11	22	192	3.44	0.12	0.08	1901	8	0.02	5	0.04	243	<2	<2	7	<5	<3	502
66608	2.4	0.77	166	18	<3	0.06	2.7	8	19	283	2.88	0.10	0.16	1886	15	0.01	7	0.05	176	<2	<2	6	<5	<3	469
66609	4.4	1.64	208	17	<3	0.06	1.1	9	17	801	3.45	0.12	0.64	1242	10	0.01	11	0.05	364	<2	<2	5	<5	<3	297
66610	5.2	1.18	214	18	<3	0.05	0.8	6	20	752	3.70	0.13	0.31	1102	15	0.02	9	0.05	237	<2	<2	5	<5	<3	257
66611	7.9	1.36	358	17	<3	0.06	0.7	6	20	1021	4.34	0.15	0.39	1173	12	0.02	9	0.05	190	<2	<2	4	<5	<3	237
66612	9.3	1.50	139	17	<3	0.04	1.1	7	13	1341	4.08	0.14	0.50	1404	10	0.01	10	0.04	214	<2	<2	3	<5	<3	213
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

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

[redacted]

REPORT #: 890841 PA[redacted] BETHLEHEM Proj: GIANT COPPER Date In: 89/12/04 Date Out:89/12/07 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
66613	16.7	1.35	796	23	<3	0.09	1.5	11	16	1522	4.69	0.17	0.34	1755	10	0.02	9	0.09	473	<2	<2	6	<5	<3	380
66614	26.6	0.77	554	15	<3	0.07	4.6	7	23	4368	5.12	0.17	0.41	1346	9	0.02	8	0.05	231	<2	<2	2	<5	<3	607
66615	7.3	0.66	191	13	<3	0.08	10.2	10	29	1257	4.37	0.15	0.42	1509	9	0.01	7	0.05	225	<2	<2	1	<5	<3	768
66617	>50.0	0.41	>2000	9	6	0.12	601.8	13	36	2824	7.06	0.26	0.47	6729	47	0.41	20	0.04	9258	<2	3	1	<5	<3	>20000
66618	>50.0	0.40	>2000	9	4	0.15	369.9	12	28	2236	6.88	0.27	0.40	9811	27	0.22	12	0.05	7130	<2	3	1	<5	<3	>20000
66619	9.5	0.49	1175	9	<3	0.16	34.4	7	26	620	7.07	0.27	0.62	7304	11	0.03	11	0.05	984	<2	<2	1	<5	<3	3804
66620	25.4	0.43	491	9	<3	0.14	39.1	7	19	2681	7.10	0.27	0.75	6664	10	0.03	17	0.05	962	<2	<2	1	<5	<3	4278
66621	>50.0	0.40	>2000	8	3	0.10	65.8	13	45	1971	6.52	0.25	0.48	8085	16	0.04	16	0.04	>20000	<2	<2	1	<5	<3	7922
66623	>50.0	0.32	>2000	7	6	0.12	354.0	17	36	18078	8.39	0.33	0.37	12003	18	0.22	20	0.05	9280	<2	6	1	<5	<3	>20000
66626	>50.0	0.37	914	8	3	0.21	116.1	14	28	4707	6.74	0.26	0.71	4937	12	0.02	21	0.05	2879	<2	2	2	<5	<3	11668
66627	27.0	1.01	653	79	<3	0.29	13.9	14	28	3218	6.34	0.25	0.83	3347	7	0.02	19	0.06	663	<2	<2	23	<5	<3	2038
66628	4.4	1.77	450	114	<3	0.25	6.6	18	38	592	4.22	0.17	1.07	1022	10	0.02	23	0.09	308	<2	<2	15	<5	<3	1147
66630	6.4	1.74	>2000	77	<3	0.29	0.6	63	29	717	4.19	0.18	0.96	806	26	0.02	32	0.05	327	<2	<2	26	<5	<3	1077
66631	2.3	2.31	1570	180	<3	0.42	13.8	48	33	366	4.68	0.22	1.30	674	7	0.02	25	0.11	182	<2	<2	87	<5	<3	2028
66632	1.1	2.25	278	242	<3	0.67	11.4	25	59	176	3.47	0.21	1.47	521	5	0.03	41	0.09	226	<2	<2	76	<5	<3	1554
66633	4.3	3.49	1766	192	4	0.63	5.1	28	98	317	7.16	0.32	2.57	1253	10	0.02	41	0.08	436	<2	<2	53	<5	<3	1065
66634	1.4	2.37	323	329	<3	0.42	3.9	17	53	194	3.06	0.17	1.15	632	5	0.02	31	0.06	105	<2	<2	120	<5	<3	807
66635	1.5	2.29	301	246	<3	0.44	5.0	20	30	250	3.87	0.19	1.28	727	11	0.02	27	0.10	112	<2	<2	85	<5	<3	938
66636	0.9	1.24	138	82	<3	0.34	0.9	15	23	175	2.82	0.14	0.78	327	6	0.02	22	0.06	46	<2	2	31	<5	<3	412
66637	0.5	1.83	94	70	<3	0.58	1.9	18	26	185	3.22	0.19	0.75	396	5	0.03	23	0.08	45	<2	2	43	<5	<3	536
66638	2.8	2.76	241	220	<3	0.76	4.6	21	19	343	4.64	0.26	1.41	821	5	0.03	40	0.12	211	<2	<2	70	<5	<3	785
66639	0.6	2.33	69	172	<3	0.57	1.0	19	23	194	4.25	0.22	1.29	472	7	0.03	28	0.09	65	<2	2	38	<5	<3	229
66640	1.1	2.23	38	180	<3	0.60	0.4	18	29	159	3.97	0.21	1.34	399	5	0.03	21	0.10	39	<2	3	36	<5	<3	145
66641	0.7	1.94	54	169	<3	0.67	0.8	22	62	114	3.64	0.21	1.29	431	5	0.02	57	0.10	55	<2	2	58	<5	<3	165
66642	1.5	1.41	58	99	<3	0.86	0.5	20	63	208	3.06	0.22	1.00	439	10	0.02	66	0.09	71	<2	2	24	<5	<3	173
66643	0.9	1.26	194	21	<3	0.89	0.9	16	51	184	3.06	0.22	1.00	468	10	0.02	51	0.08	67	<2	<2	14	<5	<3	123
66644	0.6	1.22	30	23	<3	0.68	0.8	13	36	131	2.43	0.17	0.93	319	7	0.02	20	0.07	37	<2	2	13	<5	<3	84
66645	1.2	1.19	325	42	<3	0.69	1.0	11	30	114	2.50	0.18	0.93	471	7	0.02	28	0.05	164	<2	<2	15	<5	<3	402
66648	1.1	1.38	37	93	<3	0.54	1.0	16	39	134	2.76	0.16	1.01	252	5	0.02	20	0.07	31	<2	2	19	<5	<3	85
66651	1.4	1.56	1378	34	<3	1.00	1.8	14	32	167	2.88	0.23	0.91	748	11	0.02	27	0.07	304	<2	<2	20	<5	<3	802
66652	1.0	1.54	439	42	<3	1.07	0.2	16	35	187	2.51	0.23	0.79	484	9	0.02	25	0.08	159	<2	<2	34	<5	<3	366
66653	1.1	1.87	332	34	<3	1.35	1.1	13	33	175	2.48	0.27	0.82	585	7	0.03	22	0.09	142	<2	<2	45	<5	<3	456
66654	0.7	1.12	251	22	<3	1.53	0.5	5	47	111	1.38	0.26	0.37	615	5	0.01	10	0.03	80	<2	<2	31	<5	<3	420
66655	0.5	1.17	197	16	<3	1.73	2.2	6	54	81	1.67	0.30	0.56	753	6	0.01	12	0.04	53	<2	<2	27	<5	<3	624
66656	0.7	1.16	22	10	<3	0.97	1.0	4	60	50	1.22	0.17	0.92	534	6	0.01	20	0.05	72	<2	<2	17	<5	<3	261
66658	0.7	1.13	72	23	<3	0.68	1.0	8	62	102	1.76	0.15	0.98	458	4	0.01	32	0.06	64	<2	<2	14	<5	<3	211
66659	0.7	1.09	40	25	<3	0.58	0.5	7	61	63	1.45	0.13	1.04	313	2	0.01	22	0.06	44	<2	<2	10	<5	<3	125
66660	0.9	1.00	29	10	<3	0.62	0.2	9	73	85	1.47	0.13	0.91	312	3	0.01	25	0.06	32	<2	<2	12	<5	<3	112
66661	0.7	1.11	31	10	<3	0.93	1.3	6	56	64	1.49	0.18	1.02	666	3	0.01	28	0.07	132	<2	<2	15	<5	<3	336
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

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

REPORT #: 890841 [redacted] BETHLEHEM Proj: GIANT COPPER Date In: 89/12/04 Date Out:89/12/07 Att: B KYNOCH Page [redacted] 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
66662	1.4	0.83	167	15	<3	0.40	1.7	11	54	150	1.61	0.11	0.77	369	3	0.01	24	0.06	80	<2	2	9	<5	<3	232
66663	0.7	1.02	11	27	<3	0.58	0.8	12	53	95	2.07	0.15	0.97	326	3	0.01	30	0.07	32	<2	<2	14	<5	<3	115
66664	0.6	1.10	9	97	<3	0.66	0.9	29	42	225	3.68	0.21	0.92	315	5	0.02	45	0.08	25	<2	3	18	<5	<3	72
66665	0.7	1.17	11	136	<3	0.72	0.2	17	87	132	2.36	0.18	1.04	321	2	0.02	91	0.10	31	<2	4	25	<5	<3	97
66666	2.2	1.70	210	207	<3	0.88	2.4	14	134	227	2.41	0.20	1.59	654	10	0.02	81	0.10	109	<2	3	33	<5	<3	454
66667	0.4	1.97	11	359	<3	0.55	0.3	24	186	86	3.02	0.17	2.08	368	1	0.02	151	0.09	33	<2	6	36	<5	<3	93
66668	0.5	2.14	14	446	<3	0.52	0.6	32	214	87	3.13	0.17	2.37	425	1	0.02	178	0.10	34	<2	7	41	<5	<3	115
66669	0.5	1.94	27	420	<3	0.60	0.7	26	188	66	2.94	0.18	2.08	468	2	0.02	148	0.10	39	<2	4	33	<5	<3	132
66670	0.7	1.11	30	111	<3	0.72	0.1	10	85	49	1.62	0.15	0.98	367	2	0.02	51	0.09	38	<2	3	30	<5	<3	125
66672	1.0	1.24	66	25	<3	1.09	2.4	7	55	46	1.61	0.21	1.08	903	3	0.01	32	0.07	160	<2	<2	17	<5	<3	516
66673	0.9	1.04	12	22	<3	0.80	0.6	6	62	45	1.33	0.16	0.92	603	2	0.01	21	0.06	99	<2	<2	19	<5	<3	239
66674	1.9	1.15	159	26	<3	0.66	3.4	9	53	258	1.82	0.15	1.03	800	4	0.01	28	0.06	165	<2	<2	14	<5	<3	601
66675	1.0	1.31	42	17	<3	1.00	3.5	6	66	94	1.83	0.20	1.04	1170	3	0.01	27	0.07	308	<2	<2	16	<5	<3	654
66676	1.0	1.12	5	18	<3	1.12	1.0	5	57	59	1.45	0.21	0.95	835	4	0.02	29	0.07	88	<2	<2	20	<5	<3	249
66677	0.5	1.36	21	26	<3	1.17	0.6	11	49	125	2.07	0.23	1.07	701	8	0.02	36	0.07	94	<2	<2	32	<5	<3	157
66678	31.2	0.88	>2000	27	<3	0.49	127.2	15	37	2821	5.10	0.24	0.71	4464	11	0.04	27	0.05	2498	<2	<2	11	<5	<3	12671
66679	15.0	1.90	1357	85	<3	1.30	44.4	21	42	1819	4.40	0.34	0.88	2375	13	0.03	50	0.06	1198	<2	<2	93	<5	<3	4660
66680	7.4	1.66	492	74	<3	0.74	26.2	19	45	960	3.70	0.23	0.68	1217	6	0.03	55	0.06	395	<2	<2	91	<5	<3	2842
66681	2.3	1.30	195	67	<3	0.79	8.6	22	31	486	3.48	0.23	0.53	591	7	0.02	52	0.06	159	<2	<2	87	<5	<3	997
66682	3.5	1.04	144	31	<3	0.59	9.8	17	24	486	2.62	0.17	0.51	536	6	0.02	33	0.07	171	<2	<2	38	<5	<3	1196
66683	5.2	1.09	466	35	<3	0.57	14.0	16	43	607	2.67	0.17	0.51	715	6	0.02	39	0.06	391	<2	<2	37	<5	<3	1594
66684	2.8	1.64	258	90	<3	0.87	7.6	23	68	374	2.70	0.21	0.91	713	5	0.02	53	0.05	271	<2	<2	62	<5	<3	952
66685	11.1	1.97	686	125	<3	0.97	31.2	24	89	1123	3.89	0.27	1.09	1461	6	0.03	63	0.07	759	<2	<2	79	<5	<3	3349
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

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

VGC VANGEOCHEM LAB LIMITED

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

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

GEOCHEMICAL ANALYTICAL REPORT

CLIENT: BETHLEHEM RESOURCES CORP.
ADDRESS: 860 - 808 W. Hastings St.
: Vancouver, BC
: V6C 2X4

DATE: DEC. 06 1989
REPORT#: 890840 GA
JOB#: 890840

PROJECT#: GIANT COPPER
SAMPLES ARRIVED: DEC. 01 1989
REPORT COMPLETED: DEC. 06 1989
ANALYSED FOR: Au (FA/AAS) ICP

INVOICE#: 890840 NA
TOTAL SAMPLES: 74
SAMPLE TYPE: 74 DRILL CUT
REJECTS: SAVED

SAMPLES FROM: MR. BRIAN KYNOCH
COPY SENT TO: BETHLEHEM RESOURCES CORP.

PREPARED FOR: MR. BRIAN KYNOCH

25th ANNIVERSARY

ANALYSED BY: VGC Staff

SIGNED: Jaime C. Wong

GENERAL REMARK: None

VGC VANGEOCHEM LAB LIMITED

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REPORT NUMBER: B90840 GA JOB NUMBER: B90840 BETHLEHEM RESOURCES CORP.

SAMPLE #	Au ppb
62450	390
65001	210
65002	160
65020	370
65021	670
65022	360
65023	250
65024	130
65028	510
65033	30
65035	10
65036	40
65049	40
65053	50
65054	60
65055	50
65056	30
65057	50
65059	110
65062	40
65071	130
65072	40
65090	90
65099	50
65101	100
65103	180
65111	70
65113	110
65114	50
65116	70
65118	90
65122	6100
65140	60
65141	40
65148	50
66159	70
66160	70
66161	30
66163	40
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: 890840 GA JOB NUMBER: 890840 BETHLEHEM RESOURCES CORP.

SAMPLE #	Au ppb
66170	140
66173	270
66174	290
66175	230
66177	660
66178	470
66179	450
66180	130
66181	60
66182	50
66183	40
66184	250
66185	200
66186	220
66187	140
66188	200
66189	130
66190	70
66191	70
66192	140
66193	170
66194	50
66200	20
66602	20
66616	150
66622	720
66624	50
66625	50
66629	100
66646	30
66647	20
66649	40
66650	30
66657	nd
66671	30

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

[redacted] 1988 [redacted] Stre[redacted] ar[redacted] VOL [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:

REPORT #: 890840 PA | BETHLEHEM | Proj: GIANT COPPER | Date In: 89/12/01 | Date Out:89/12/07 | Attn: B KYNOCH | Page 1 of 2

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	Z
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	pp
62450	5.4	2.96	40	25	4	1.22	1.7	33	34	3841	8.40	0.43	1.55	1223	13	0.06	54	0.13	43	<2	<2	15	<5	<3	14
65001	5.3	2.89	52	23	3	1.18	1.6	40	53	4510	8.54	0.42	1.49	1207	15	0.08	46	0.14	42	<2	<2	14	<5	<3	15
65002	4.3	2.89	66	15	3	1.06	1.7	42	36	4101	9.24	0.41	1.50	1268	12	0.07	52	0.16	44	<2	<2	14	<5	<3	17
65020	11.5	2.90	53	26	3	1.29	2.1	36	40	6709	8.88	0.43	1.61	1592	5	0.05	64	0.16	54	<2	<2	23	<5	<3	27
65021	13.4	2.55	66	26	4	1.33	2.3	53	39	9976	9.13	0.43	1.63	1392	5	0.06	84	0.14	41	<2	<2	17	<5	<3	21
65022	7.9	1.66	42	22	3	1.10	1.9	40	39	5522	7.89	0.36	1.37	1606	6	0.04	67	0.11	41	<2	<2	14	<5	<3	27
65023	8.9	1.23	92	12	6	0.85	2.5	38	31	5761	>10.00	0.49	2.07	4685	5	0.04	63	0.12	34	<2	<2	7	<5	<3	15
65024	3.4	0.49	56	11	4	0.74	1.6	21	27	2230	8.76	0.32	1.52	3620	1	0.02	66	0.08	32	<2	2	5	<5	<3	26
65028	8.3	1.54	583	28	4	1.40	4.0	24	40	3799	>10.00	0.43	1.66	2794	4	0.03	44	0.10	42	<2	<2	19	<5	<3	28
65033	1.9	2.89	235	66	<3	0.32	1.8	25	74	524	4.13	0.14	0.99	936	17	0.02	61	0.07	113	<2	<2	27	<5	<3	28
65035	0.8	2.76	171	117	<3	0.47	1.0	14	112	572	2.55	0.11	1.06	364	8	0.02	62	0.07	33	<2	<2	48	<5	<3	8
65036	1.5	1.81	169	54	<3	0.23	0.7	16	16	704	2.43	0.08	0.54	370	12	0.02	18	0.07	32	<2	2	21	<5	<3	7
65049	1.5	4.81	11	250	<3	1.57	0.3	23	528	672	4.08	0.26	2.74	719	38	0.04	249	0.08	44	<2	<2	89	<5	<3	10
65053	6.8	4.20	93	206	3	0.65	5.8	40	410	2267	7.37	0.23	2.38	1701	125	0.04	119	0.10	192	<2	<2	41	<5	<3	72
65054	4.2	2.06	75	67	3	0.29	7.4	25	160	988	6.92	0.18	1.29	2211	62	0.04	54	0.08	129	<2	<2	9	<5	<3	110
65055	9.6	1.98	67	76	4	0.50	7.0	27	125	2188	7.86	0.22	1.57	2318	354	0.09	73	0.08	140	<2	<2	16	<5	<3	98
65056	3.8	2.77	48	151	<3	0.71	3.4	19	280	1060	5.11	0.17	1.79	1345	128	0.05	100	0.06	103	<2	<2	38	<5	<3	54
65057	5.9	1.62	84	87	4	0.58	2.7	27	262	2175	9.15	0.24	1.93	2789	137	0.05	130	0.05	54	<2	2	16	<5	<3	23
65059	12.7	3.34	141	60	4	0.50	5.8	79	467	3639	9.14	0.22	3.42	1751	80	0.09	213	0.09	142	<2	<2	11	<5	<3	56
65062	4.6	1.46	89	26	6	0.39	2.8	24	38	1357	>10.00	0.27	1.68	3853	37	0.02	46	0.12	45	<2	<2	6	<5	<3	16
65071	4.1	1.24	583	38	<3	0.68	2.2	43	62	1390	5.27	0.15	1.00	1088	11	0.03	94	0.10	36	<2	2	12	<5	<3	18
65072	2.6	1.13	175	24	<3	0.66	0.6	18	58	685	3.51	0.11	0.66	719	5	0.02	40	0.09	38	<2	<2	7	<5	<3	14
65090	1.2	0.42	328	12	<3	0.59	0.9	21	30	317	4.28	0.11	0.69	2130	56	0.03	39	0.07	24	<2	2	4	<5	<3	7
65099	2.9	1.51	225	25	5	0.60	4.0	16	27	864	>10.00	0.23	1.39	5724	4	0.02	33	0.18	110	<2	<2	6	<5	<3	41
65101	2.6	1.81	162	26	5	0.61	4.4	16	29	843	>10.00	0.66	1.33	5704	2	0.02	33	0.15	96	<2	<2	7	<5	<3	39
65103	2.0	0.53	218	16	4	0.52	1.6	15	31	605	9.37	0.17	1.34	3043	4	0.02	31	0.12	34	<2	2	4	<5	<3	8
65111	2.9	0.98	430	21	3	0.38	2.8	25	27	952	9.02	0.15	0.95	3011	7	0.03	30	0.10	37	<2	<2	5	<5	<3	17
65113	2.4	1.35	465	27	<3	0.68	2.3	29	24	777	6.85	0.13	1.02	1950	15	0.02	26	0.10	36	<2	<2	15	<5	<3	17
65114	2.7	0.57	679	18	3	0.40	2.9	22	25	891	8.82	0.13	0.94	2686	10	0.02	33	0.12	30	<2	3	4	<5	<3	7
65116	6.8	0.90	255	24	4	0.55	3.5	20	27	2012	9.39	0.14	0.95	4863	6	0.02	27	0.17	81	<2	2	7	<5	<3	33
65118	3.7	1.15	244	36	4	0.52	4.9	21	20	1700	>10.00	0.15	1.20	5280	4	0.03	26	0.13	75	<2	2	7	<5	<3	50
65122	4.4	0.60	>2000	19	15	0.49	92.2	294	24	881	>10.00	0.46	1.15	3737	11	0.02	41	0.11	68	<2	<2	5	<5	<3	58
65140	1.7	2.53	584	83	<3	0.26	1.6	22	67	445	3.53	0.04	0.98	677	17	0.02	50	0.06	52	<2	<2	25	<5	<3	15
65141	1.7	2.32	300	77	<3	0.22	1.3	21	72	565	3.87	0.32	1.05	824	21	0.02	55	0.06	48	<2	<2	21	<5	<3	16
65148	2.0	2.51	442	52	<3	0.50	1.3	24	37	523	4.12	0.05	0.87	801	8	0.03	29	0.08	61	<2	<2	48	<5	<3	13
65159	1.3	3.31	897	12	7	0.19	3.7	44	32	362	>10.00	0.12	1.78	3202	2	0.12	56	0.08	52	<2	<2	3	<5	<3	
65160	0.7	2.72	119	14	4	0.16	1.7	13	20	140	>10.00	0.09	1.44	2680	14	0.12	40	0.06	45	<2	<2	2	<5	<3	
65161	1.0	3.09	102	12	4	0.17	1.7	14	20	209	>10.00	0.29	1.41	2618	12	0.09	48	0.08	49	<2	<2	2	<5	<3	
65163	20.0	2.42	58	20	5	0.24	7.0	22	33	5425	>10.00	0.08	1.50	3030	12	0.05	53	0.12	67	<2	<2	3	<5	<3	7
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	200

< = Less than Minimum | is = Insufficient Sample | ns = No sample | > = Greater than Maximum | [illegible] | FS = Further Analyses by Alternate Methods Suggested

REPORT #: B90840 PA | BETHLEHEM | Proj: GIANT COPPER | Date In: 89/12/01 | Date Out: 89/12/07 | 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	Z
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	pp
66170	18.3	2.20	89	20	5	0.33	3.5	16	25	6757	>10.00	0.17	1.63	3682	1	0.06	46	0.14	51	<2	<2	4	<5	<3	29
66173	20.8	2.25	61	22	4	0.28	6.0	31	32	7593	9.46	0.04	1.28	2769	3	0.10	57	0.11	228	<2	<2	4	<5	<3	86
66174	18.7	2.30	75	38	3	0.44	5.2	26	30	6592	8.98	0.15	1.33	2331	4	0.07	51	0.12	224	<2	<2	13	<5	<3	79
66175	16.0	3.13	24	85	<3	0.60	3.9	25	28	5709	7.00	0.15	1.23	1568	4	0.06	49	0.10	143	<2	<2	34	<5	<3	53
66177	29.5	2.75	88	25	4	0.35	9.0	41	30	13513	>10.00	0.16	1.31	2917	1	0.07	78	0.11	219	<2	<2	6	<5	<3	112
66178	>50.0	1.68	791	18	4	0.24	4.5	47	39	15594	>10.00	0.16	1.16	2371	1	0.04	105	0.08	76	<2	<2	4	<5	<3	39
66179	25.3	2.43	102	25	4	0.33	3.1	25	37	7804	>10.00	0.16	1.45	2707	<1	0.03	57	0.09	56	<2	<2	7	<5	<3	41
66180	14.2	2.91	92	24	5	0.45	3.7	24	34	5033	>10.00	0.16	1.59	2969	2	0.04	47	0.09	92	<2	<2	8	<5	<3	48
66181	3.3	3.18	133	94	<3	1.12	0.1	17	115	1143	3.55	0.14	1.37	658	1	0.04	48	0.07	42	<2	<2	64	<5	<3	15
66182	1.3	3.56	159	215	<3	0.53	0.9	40	524	411	4.00	0.13	4.04	489	1	0.01	296	0.05	35	<2	<2	25	<5	<3	10
66183	1.9	4.16	56	219	<3	0.81	0.4	35	495	684	3.88	0.14	3.79	516	1	0.02	251	0.07	46	<2	<2	55	<5	<3	12
66184	21.7	4.28	200	38	5	0.86	3.6	41	74	9909	>10.00	0.18	2.03	2081	<1	0.03	72	0.12	75	<2	<2	12	<5	<3	31
66185	15.9	4.13	179	41	5	0.92	3.0	39	69	7134	>10.00	0.17	1.92	1917	2	0.06	59	0.13	71	<2	<2	13	<5	<3	28
66186	11.1	4.10	116	71	6	1.31	2.8	37	110	5256	>10.00	0.07	2.19	1846	5	0.03	74	0.13	64	<2	<2	31	<5	<3	29
66187	8.8	3.63	92	26	5	1.13	2.3	29	104	4002	>10.00	0.17	2.21	1699	3	0.04	67	0.12	50	<2	<2	20	<5	<3	24
66188	9.2	3.45	93	43	5	1.58	1.7	26	87	4558	>10.00	0.18	2.11	1593	<1	0.03	53	0.13	49	<2	<2	29	<5	<3	21
66189	6.2	3.47	63	145	3	1.54	0.6	24	147	2721	8.44	0.17	2.16	1305	3	0.02	76	0.13	46	<2	<2	34	<5	<3	17
66190	2.2	2.93	60	166	<3	0.96	0.9	22	190	860	5.75	0.15	1.88	936	9	0.03	69	0.09	53	<2	<2	26	<5	<3	18
66191	3.1	3.11	52	56	3	1.24	1.0	20	62	1255	8.08	0.16	2.00	1435	13	0.02	38	0.11	47	<2	<2	16	<5	<3	19
66192	6.2	3.44	99	48	3	1.26	1.0	30	128	2690	7.72	0.16	1.77	1268	2	0.03	64	0.13	48	<2	<2	44	<5	<3	15
66193	13.4	3.50	112	46	4	1.45	2.0	40	62	5294	>10.00	0.18	2.15	2019	3	0.03	63	0.15	53	<2	<2	17	<5	<3	16
66194	6.5	2.87	106	46	3	0.88	0.9	22	82	2063	7.09	0.15	1.34	1423	3	0.04	69	0.11	47	<2	<2	31	<5	<3	13
66200	1.4	3.02	125	74	<3	0.37	0.8	17	37	329	3.07	0.13	0.77	499	5	0.02	26	0.07	63	<2	<2	35	<5	<3	18
66602	1.0	3.19	96	44	<3	0.89	0.1	17	93	126	2.72	0.14	1.47	427	3	0.02	54	0.07	80	<2	<2	61	<5	<3	14
66616	>50.0	0.65	741	14	<3	0.10	42.1	11	22	6679	4.82	0.13	0.44	2602	7	0.01	14	0.04	1808	<2	<2	2	<5	<3	404
66622	>50.0	0.34	>2000	8	5	0.11	297.4	20	37	6169	8.76	0.15	0.43	12058	12	0.07	25	0.03	7032	<2	4	1	<5	<3	>2000
66624	27.5	0.36	297	8	<3	0.14	21.4	10	34	1840	6.78	0.14	0.56	7418	7	0.01	17	0.05	1400	<2	<2	1	<5	<3	252
66625	12.7	0.42	204	7	<3	0.17	6.7	10	27	1372	7.28	0.14	0.83	4674	5	0.01	25	0.05	420	<2	<2	1	<5	<3	79
66629	4.8	1.88	465	139	<3	0.27	5.5	23	34	377	4.58	0.13	0.95	842	14	0.02	50	0.09	189	<2	2	21	<5	<3	97
66646	2.3	1.51	769	89	<3	0.76	8.6	17	44	205	3.35	0.14	1.03	620	7	0.02	43	0.08	321	<2	2	26	<5	<3	98
66647	0.5	1.35	27	109	<3	0.60	0.9	14	42	124	2.76	0.13	0.89	276	7	0.02	30	0.05	43	<2	4	22	<5	<3	10
66649	0.8	1.27	64	71	<3	0.88	0.5	16	41	135	2.78	0.14	0.87	414	5	0.01	27	0.05	94	<2	3	30	<5	<3	18
66650	0.9	1.58	506	48	<3	0.78	1.6	16	35	168	2.94	0.13	0.86	486	7	0.02	25	0.08	123	<2	2	28	<5	<3	30
66657	0.7	1.14	82	11	<3	0.83	0.9	7	59	85	1.60	0.13	0.98	531	4	0.01	34	0.07	74	<2	<2	14	<5	<3	19
66671	0.5	1.54	8	211	<3	0.90	0.5	13	118	44	1.98	0.13	1.43	557	2	0.02	72	0.08	53	<2	4	28	<5	<3	13
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	2000

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

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
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• FAX (604) 254-5717

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

Revised
discard
previous
AC Assay Book

GEOCHEMICAL ANALYTICAL REPORT

CLIENT: BETHLEHEM RESOURCES CORP.
ADDRESS: 860 - 808 W. Hastings St.
: Vancouver, BC
: V6C 2X4

DATE: DEC. 04 1989
REPORT#: 890837 GA
JOB#: 890837

PROJECT#: GIANT COPPER
SAMPLES ARRIVED: NOV. 29 1989
REPORT COMPLETED: DEC. 04 1989
ANALYSED FOR: Au (FA/AAS) ICP

INVOICE#: 890837 NA
TOTAL SAMPLES: 89
SAMPLE TYPE: 89 DRILL CUT
REJECTS: SAVED

SAMPLES FROM: HOPE BC
COPY SENT TO: BETHLEHEM RESOURCES CORP.

PREPARED FOR: MR. BRIAN KYNOCH

ANALYSED BY: VGC Staff

SIGNED: Jaime C. Wong

GENERAL REMARK: None

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RENO, NEVADA, U.S.A.

REPORT NUMBER: 890837 GA JOB NUMBER: 890837 BETHLEHEM RESOURCES CORP.

SAMPLE #	Au ppb
62432	150
62433	520
62434	470
62435	400
62436	550
62437	520
62438	320
62439	120
62440	150
62441	100
62442	40
62443	190
62444	160
62445	150
62446	200
62447	100
62448	280
62449	150
65003	270
65004	180
65005	200
65006	180
65007	140
65008	50
65009	230
65010	350
65011	110
65012	480
65013	390
65014	110
65015	240
65016	90
65017	110
65018	520
65019	330
65025	160
65026	200
65027	160
65029	430
DETECTION LIMIT	5

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

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RENO, NEVADA, U.S.A.

SAMPLE #	Au ppb
65030	190
65031	170
65032	180
65034	50
65037	30
65038	10
65039	nd
65040	nd
65041	nd
65042	50
65043	nd
65044	nd
65045	nd
65046	150
65047	100
65048	20
65050	20
65051	50
65052	100
65058	30
65060	nd
65061	40
65073	20
65074	nd
65075	nd
65076	50
65077	20
65078	nd
65079	nd
65080	nd
65081	nd
65082	50
65083	50
65084	20
65085	30
65086	20
65087	40
65088	40
65089	30
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: 890837 GA JOB NUMBER: 890837 BETHLEHEM RESOURCES CORP.

SAMPLE #	Au ppb
65091	30
65092	30
65093	120
65094	50
65095	30
65096	20
65097	20
65098	20
65119	50
66162	20
66164	30

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

1988 [redacted] Street, [redacted] V5L [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: JC Wang

REPORT #: 890837 PA | BETHLEHEM | Proj: GIANT COPPER | Date In: 89/11/29 | Date Out:89/12/01 | Att: |

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sn ppm	Sr ppm	U ppm	W ppm	p
62432	17.2	2.94	88	15	<3	0.72	5.2	59	37	11262	9.86	0.40	1.46	1578	191	0.35	99	0.11	69	<2	<2	6	<5	<3	5
62433	31.7	2.87	79	15	<3	0.44	6.2	70	31	18559	9.70	0.35	1.29	1334	72	0.27	116	0.22	67	<2	<2	6	<5	<3	6
62434	13.3	2.97	67	28	<3	0.67	3.7	39	42	9174	8.12	0.33	1.49	1270	50	0.37	73	0.17	56	<2	<2	7	<5	<3	3
62435	9.5	2.30	40	18	<3	0.77	1.9	33	35	7613	6.44	0.28	1.29	994	27	0.34	66	0.13	39	<2	<2	8	<5	<3	1
62436	13.3	2.56	55	13	<3	0.86	1.4	41	32	10901	7.81	0.33	1.29	1110	34	0.50	77	0.15	40	<2	<2	8	<5	<3	1
62437	13.1	2.85	62	14	<3	0.83	3.1	50	59	9258	8.85	0.34	1.46	1206	43	0.34	78	0.18	56	<2	<2	9	<5	<3	2
62438	15.1	2.76	64	18	3	0.81	3.7	57	86	10276	8.95	0.34	1.51	1175	20	0.41	92	0.13	62	<2	<2	8	<5	<3	3
62439	4.1	3.33	28	115	<3	1.34	1.6	32	152	3251	6.27	0.33	1.84	1032	23	0.24	98	0.14	44	<2	<2	50	<5	<3	1
62440	6.5	3.02	30	66	<3	0.78	2.1	33	118	4343	6.68	0.26	1.63	959	85	0.31	105	0.10	54	<2	<2	26	<5	<3	1
62441	8.1	2.50	20	36	<3	0.97	4.5	27	56	5572	5.25	0.24	1.19	837	34	0.23	63	0.10	55	<2	<2	33	<5	<3	6
62442	4.8	3.51	25	87	<3	1.24	2.2	45	227	4347	6.93	0.31	2.58	1008	18	0.06	138	0.11	46	<2	<2	34	<5	<3	2
62443	8.3	3.67	43	61	3	1.36	5.2	48	160	6440	9.33	0.37	2.37	1432	17	0.06	92	0.13	55	<2	<2	21	<5	<3	5
62444	3.7	3.37	16	49	<3	1.59	1.9	27	148	3235	8.16	0.36	2.16	1349	16	0.09	66	0.14	45	<2	2	20	<5	<3	2
62445	4.5	2.88	32	16	<3	1.35	1.7	38	53	4651	8.25	0.32	1.52	1236	13	0.05	52	0.15	41	<2	<2	13	<5	<3	1
62446	2.7	2.56	36	16	<3	1.24	1.4	36	38	2744	7.39	0.29	1.40	1112	11	0.04	41	0.12	40	<2	<2	12	<5	<3	1
62447	4.1	2.20	33	23	<3	1.17	2.5	25	45	3110	5.53	0.23	1.21	971	14	0.09	74	0.11	47	<2	<2	15	<5	<3	3
62448	12.3	3.03	66	15	<3	1.54	3.2	37	66	9295	9.50	0.34	1.58	1579	13	0.13	54	0.11	51	<2	<2	12	<5	<3	3
62449	7.1	2.70	55	17	<3	1.07	1.9	35	25	5853	7.92	0.26	1.38	1172	20	0.10	50	0.12	39	<2	<2	10	<5	<3	2
65003	4.7	3.02	44	15	<3	1.70	1.9	45	42	5016	9.61	0.33	1.62	1401	17	0.07	72	0.14	51	<2	<2	22	<5	<3	1
65004	4.7	2.78	66	21	3	1.11	2.6	57	26	6438	9.34	0.25	1.41	1279	18	0.09	76	0.11	52	<2	<2	12	<5	<3	2
65005	5.7	2.90	60	16	<3	1.32	1.9	49	71	5791	8.78	0.25	1.67	1376	14	0.12	66	0.09	45	<2	<2	15	<5	<3	1
65006	4.6	2.99	57	19	<3	1.59	2.2	44	54	4785	8.78	0.26	1.69	1510	8	0.13	52	0.09	46	<2	<2	14	<5	<3	1
65007	4.1	3.11	57	71	<3	1.49	2.2	38	121	3648	7.59	0.28	1.81	1365	9	0.09	80	0.08	49	<2	<2	27	<5	<3	2
65008	8.3	3.33	24	27	<3	1.32	6.2	29	46	4140	8.60	0.23	1.92	2287	13	0.12	58	0.09	117	<2	<2	10	<5	<3	7
65009	13.5	2.81	209	17	<3	0.64	5.5	33	31	6519	7.50	0.16	1.45	1810	13	0.04	51	0.08	160	<2	<2	6	<5	<3	5
65010	17.9	3.27	65	12	<3	0.65	8.1	34	35	8130	9.68	0.61	1.79	2497	18	0.19	67	0.07	226	<2	<2	6	<5	<3	8
65011	5.1	2.09	45	20	<3	0.93	1.9	26	28	3021	5.51	0.13	1.09	1334	15	0.13	56	0.08	85	<2	<2	10	<5	<3	2
65012	15.3	2.81	79	19	<3	1.25	5.2	53	44	14390	8.90	0.19	1.50	1680	14	0.11	78	0.18	100	<2	<2	12	<5	<3	5
65013	9.8	3.06	46	20	<3	2.02	2.7	50	79	9802	8.85	0.60	1.98	1657	4	0.05	71	0.25	49	<2	<2	20	<5	<3	2
65014	4.5	2.68	35	26	<3	1.38	1.4	31	50	4768	7.50	0.17	1.52	1375	6	0.05	53	0.16	43	<2	<2	17	<5	<3	1
65015	4.8	2.50	80	20	4	1.68	2.6	39	59	4547	9.88	0.20	2.02	3106	3	0.04	73	0.16	46	<2	<2	20	<5	<3	1
65016	3.2	2.77	26	23	<3	1.56	1.7	24	42	2801	7.76	0.47	1.74	1551	3	0.04	48	0.13	46	<2	<2	16	<5	<3	
65017	4.6	3.19	44	35	<3	1.77	1.7	27	77	4290	7.97	0.16	1.88	1406	7	0.07	60	0.16	44	<2	<2	26	<5	<3	
65018	18.1	3.31	582	24	3	1.11	8.5	49	50	11231	>10.00	0.16	1.68	1843	5	0.04	89	0.08	83	<2	2	15	<5	<3	1
65019	20.6	3.59	662	22	4	0.75	11.1	49	48	10586	>10.00	0.13	1.80	2011	6	0.04	76	0.14	150	<2	<2	11	<5	<3	1
65025	7.6	0.63	114	41	5	1.82	3.2	38	38	5779	>10.00	0.18	2.40	5444	<1	0.03	72	0.10	44	<2	4	14	<5	<3	
65026	5.3	1.68	80	49	<3	2.02	2.2	34	37	4214	8.04	0.13	1.75	2627	3	0.04	60	0.14	44	<2	2	24	<5	<3	
65027	2.6	1.11	620	34	3	1.98	4.2	28	32	1834	9.93	0.13	2.16	4749	7	0.02	47	0.10	39	<2	2	18	<5	<3	
65029	6.2	1.99	>2000	21	3	0.94	14.1	56	48	3124	9.46	0.27	1.68	2495	10	0.08	86	0.09	56	<2	2	12	<5	<3	
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20

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

REPORT #: 89[redacted] BETHLEHEM Proj: GIANT COPPER Date In: 89/11/29 Date Out:89/12/01 Att: Page [redacted] of 3

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
65030	3.1	2.56	379	23	3	1.23	5.5	28	31	1421	8.84	0.17	1.94	1884	2	0.04	51	0.11	48	<2	<2	15	<5	<3	188
65031	2.6	1.98	240	18	<3	1.47	1.3	23	26	1756	5.85	0.05	1.47	1443	6	0.05	39	0.09	35	<2	<2	20	<5	<3	145
65032	6.5	1.68	281	16	3	1.53	4.1	36	69	3367	9.49	0.17	1.46	1502	<1	0.02	55	0.14	43	<2	<2	22	<5	<3	359
65034	1.5	2.90	394	73	<3	0.50	2.3	25	84	577	4.67	0.14	1.04	1044	14	0.03	54	0.07	72	<2	<2	42	<5	<3	211
65037	1.2	4.80	101	170	<3	1.25	0.8	25	125	958	3.72	0.15	1.26	475	4	0.05	102	0.09	46	<2	<2	116	<5	<3	173
65038	1.2	4.56	61	170	<3	1.20	0.8	25	102	611	3.54	0.15	1.38	316	2	0.06	65	0.06	45	<2	<2	124	<5	<3	115
65039	1.2	3.74	53	99	<3	1.04	0.1	32	78	512	3.71	0.14	1.30	310	1	0.06	57	0.08	38	<2	<2	112	<5	<3	107
65040	0.9	2.86	69	78	<3	0.80	0.4	35	18	525	3.76	0.14	0.72	429	3	0.05	34	0.09	39	<2	<2	79	<5	<3	128
65041	2.2	1.29	152	18	<3	0.31	1.1	39	10	1146	3.88	0.13	0.66	464	5	0.02	26	0.10	37	<2	<2	14	<5	<3	219
65042	3.7	2.24	69	31	<3	0.38	0.6	37	47	2327	5.05	0.02	1.01	648	45	0.02	72	0.09	38	<2	<2	25	<5	<3	124
65043	1.7	4.48	174	193	<3	0.83	1.1	29	753	279	5.13	0.14	2.86	819	62	0.03	222	0.06	49	<2	<2	64	<5	<3	95
65044	3.2	4.84	367	159	<3	0.99	2.9	30	507	980	6.27	0.15	2.26	1251	48	0.04	169	0.07	82	<2	<2	74	<5	<3	300
65045	13.3	1.12	357	38	4	0.25	4.2	28	70	3308	9.30	0.15	1.13	2344	579	0.40	46	0.06	91	<2	2	10	<5	<3	366
65046	33.9	0.97	104	14	4	0.34	9.1	52	69	11883	>10.00	0.16	1.47	2856	>1000	0.09	96	0.15	191	<2	4	4	<5	<3	1124
65047	14.8	4.07	84	73	<3	1.21	4.7	34	444	7514	5.26	0.15	2.51	1065	205	0.05	188	0.10	105	<2	<2	75	<5	<3	646
65048	6.2	3.17	58	21	3	1.61	1.4	27	201	4143	7.68	0.17	2.61	2664	456	0.22	82	0.08	42	<2	<2	12	<5	<3	114
65050	4.1	2.65	32	85	<3	1.30	0.8	20	181	1996	5.50	0.16	1.84	1840	369	0.08	59	0.08	50	<2	<2	36	<5	<3	171
65051	6.8	1.42	66	36	<3	0.65	2.1	26	44	2990	5.77	0.14	1.17	1877	319	0.10	41	0.07	105	<2	<2	8	<5	<3	259
65052	26.1	2.21	89	33	<3	0.35	11.8	39	66	11451	8.30	0.15	1.30	2284	270	0.08	70	0.12	231	<2	<2	5	<5	<3	1557
65058	6.1	2.93	64	101	4	0.42	8.2	30	464	2349	>10.00	0.16	2.87	4674	157	0.03	184	0.07	157	<2	<2	11	<5	<3	1152
65060	4.1	2.93	50	82	<3	0.85	3.2	37	149	1423	6.34	0.15	1.60	2339	17	0.04	123	0.18	64	<2	<2	42	<5	<3	452
65061	16.9	2.79	202	38	4	0.60	4.9	99	174	8801	>10.00	0.17	2.28	3239	50	0.03	118	0.15	113	<2	<2	12	<5	<3	431
65073	3.6	1.04	241	26	<3	0.53	1.1	23	48	973	4.41	0.14	0.77	987	10	0.03	38	0.08	45	<2	<2	7	<5	<3	165
65074	4.5	0.99	274	24	<3	0.56	1.8	23	41	1668	4.90	0.14	0.83	1117	6	0.02	48	0.08	40	<2	<2	6	<5	<3	149
65075	8.1	0.76	113	24	3	0.40	3.8	15	26	2677	9.36	0.15	1.34	2427	3	0.04	37	0.09	49	<2	2	5	<5	<3	420
65076	3.2	1.15	217	26	<3	0.48	1.6	26	22	851	3.42	0.13	0.69	821	5	0.02	38	0.06	56	<2	<2	6	<5	<3	172
65077	3.3	0.90	1987	22	<3	0.39	6.2	45	32	1249	6.79	0.14	0.95	1619	8	0.03	47	0.09	36	<2	<2	5	<5	<3	132
65078	6.1	1.06	955	18	3	0.39	4.1	25	32	2899	9.81	0.16	1.16	2273	15	0.03	44	0.11	38	<2	2	5	<5	<3	113
65079	7.5	0.67	181	16	3	0.29	2.4	19	20	3748	>10.00	0.16	1.22	2511	14	0.03	39	0.11	35	<2	3	3	<5	<3	122
65080	7.5	0.56	528	18	3	0.34	3.1	35	20	3401	>10.00	0.16	1.20	2542	11	0.03	57	0.12	33	<2	2	3	<5	<3	73
65081	9.5	1.47	241	33	3	0.44	2.9	22	33	3599	>10.00	0.16	1.26	2543	12	0.03	67	0.12	44	<2	2	5	<5	<3	167
65082	8.6	0.80	1349	22	<3	0.42	5.1	36	37	3846	8.69	0.15	1.01	2119	15	0.03	55	0.14	34	<2	2	5	<5	<3	103
65083	3.2	0.64	590	21	<3	0.37	2.5	31	28	1226	8.24	0.15	0.96	2007	10	0.02	55	0.11	33	<2	<2	4	<5	<3	104
65084	3.5	0.70	532	20	<3	0.42	2.5	25	29	1216	6.52	0.14	0.82	1655	6	0.03	37	0.13	37	<2	<2	4	<5	<3	123
65085	1.3	0.50	>2000	16	<3	0.33	6.4	38	25	573	6.82	0.14	0.83	1870	9	0.02	48	0.11	26	<2	<2	3	<5	<3	70
65086	0.6	0.46	457	14	<3	0.34	1.4	21	34	364	7.08	0.14	0.83	2644	4	0.03	65	0.06	30	<2	2	3	<5	<3	70
65087	2.2	0.43	577	13	<3	0.30	1.8	25	22	778	5.50	0.14	0.66	2063	1	0.03	54	0.07	25	<2	<2	3	<5	<3	86
65088	1.5	0.51	495	34	<3	0.33	1.3	19	25	612	4.61	0.13	0.63	1730	14	0.03	28	0.06	28	<2	<2	4	<5	<3	140
65089	1.1	0.34	419	12	<3	0.48	0.8	21	32	412	4.19	0.13	0.62	1991	14	0.04	66	0.09	23	<2	<2	4	<5	<3	69
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

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

REPORT #: [redacted] BETHLEHEM Proj: GIANT COPPER Date In: 89/11/29 Date Out:89/12/01 Att: [redacted] Page [redacted] of 3

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
65091	0.8	0.42	458	14	<3	0.32	2.1	24	24	734	7.02	0.27	0.75	2386	14	0.03	49	0.10	20	<2	<2	3	<5	<3	63
65092	6.5	0.66	860	18	3	0.37	3.9	28	21	2711	>10.00	0.38	1.13	2908	34	0.05	46	0.11	30	<2	2	5	<5	<3	162
65093	12.6	2.20	312	26	3	0.70	3.8	23	27	5000	>10.00	0.44	1.56	3103	57	0.04	36	0.15	123	<2	<2	8	<5	<3	393
65094	7.8	0.74	>2000	23	3	0.49	6.1	37	21	3872	>10.00	0.39	1.17	2986	3	0.03	38	0.16	37	<2	3	4	<5	<3	113
65095	1.7	0.54	605	15	<3	0.36	1.4	19	25	896	8.02	0.30	0.90	2097	4	0.03	28	0.14	26	<2	<2	3	<5	<3	87
65096	2.2	0.59	257	14	<3	0.36	1.5	15	18	1133	9.18	0.34	1.04	2229	4	0.03	33	0.12	33	<2	<2	4	<5	<3	126
65097	5.5	1.02	299	25	3	0.69	3.1	19	30	2125	>10.00	0.46	1.16	4687	5	0.02	43	0.21	54	<2	2	7	<5	<3	223
65098	4.6	2.40	264	36	5	0.66	6.8	17	20	1499	>10.00	0.55	1.83	7002	<1	0.04	31	0.21	180	<2	<2	9	<5	<3	686
65119	2.5	0.66	342	23	<3	0.46	1.9	21	25	1681	9.45	0.36	1.03	3001	5	0.02	33	0.14	38	<2	<2	5	<5	<3	122
65162	5.5	2.89	73	11	4	0.20	1.7	13	40	2341	>10.00	0.39	1.50	2783	10	0.07	43	0.10	47	<2	<2	2	<5	<3	98
65164	18.2	1.73	57	15	3	0.27	4.1	19	27	7388	>10.00	0.39	1.45	3005	14	0.05	56	0.12	119	<2	<2	3	<5	<3	386
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

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

VGC VANGEOCHEM LAB LIMITED

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

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

GEOCHEMICAL ANALYTICAL REPORT

CLIENT: BETHLEHEM RESOURCES CORP.
ADDRESS: 860 - 808 W. Hastings St.
: Vancouver, BC
: V6C 2X4

DATE: NOV. 30 1989
REPORT#: 890834 GA
JOB#: 890834

PROJECT#: GIANT COPPER
SAMPLES ARRIVED: NOV. 24 1989
REPORT COMPLETED: NOV. 30 1989
ANALYSED FOR: Au (FA/AAS) ICP

INVOICE#: 890834 NA
TOTAL SAMPLES: 141
SAMPLE TYPE: 141 DRILL CUT
REJECTS: SAVED

SAMPLES FROM: MR. BRIAN KYNOCH
COPY SENT TO: BETHLEHEM RESOURCES CORP.

PREPARED FOR: MR. BRIAN KYNOCH

ANALYSED BY: VGC Staff

SIGNED: _____

GENERAL REMARK: None

VGC VANGEOCHEM LAB LIMITED

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REPORT NUMBER: 890834 GA JOB NUMBER: 890834 BETHLEHEM RESOURCES CORP.

SAMPLE #	Au ppb
62196	70
62197	30
62198	20
62199	40
62200	30
62201	40
62202	30
62203	50
62204	50
62205	20
62206	20
62207	30
62208	20
62209	40
62210	40
62211	70
62212	30
62213	50
62214	40
62215	30
62216	70
62217	130
62218	50
62219	10
62220	20
62221	60
62222	80
62223	180
62224	160
62225	110
62226	110
62227	30
62228	30
62229	20
62230	10
62231	30
62232	20
62233	20
62234	30
DETECTION LIMIT	5

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

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SAMPLE #	Au ppb
62235	30
62236	20
62237	140
62238	70
62239	60
62240	80
62241	40
62242	30
62243	80
62244	50
62245	70
62246	430
62247	150
62248	180
62249	310
62250	60
62251	160
62252	30
62253	20
62254	50
62255	70
62256	1150
62257	700
62258	1500
62259	1700
62260	1760
62261	700
62262	1120
62263	280
62264	170
62265	100
62266	300
62267	210
62268	310
62269	290
62270	230
62271	370
62272	170
62273	300
DETECTION LIMIT	5

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

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RENO, NEVADA, U.S.A.

SAMPLE #	Au ppb
62274	500
62275	600
62276	530
62277	680
62278	710
62279	1400
62280	760
62281	720
62282	570
62283	520
62284	200
62285	140
62286	110
62287	20
62288	650
62289	40
62290	30
62316	30
62317	10
62318	80
62323	20
62324	nd
62330	nd
62331	20
62332	160
62334	400
62335	20
62336	nd
62337	30
62339	nd
62340	nd
62341	nd
62342	nd
62343	nd
62344	nd
62345	20
62346	nd
62347	nd
62348	30
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: 890834 GA JOB NUMBER: 890834 BETHLEHEM RESOURCES CORP.

SAMPLE #	Au ppb
62351	60
62356	170
62358	130
62359	150
62360	60
62361	480
62362	540
62363	210
62364	200
62365	80
62366	30
62367	100
62368	290
62369	120
62370	80
62373	40
62376	50
62377	40
62378	70
62379	70
66952	20
66953	nd
66956	20
66957	20

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

[redacted] Triumph Street, [redacted] K5
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 #: 890834 PA BETHLEHEM RESOURCES Proj: GIANT COPPER Date In: 89/11/24 Date Out:89/11/28 Att:

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sn ppm	Sr ppm	U ppm	W ppm	Zn ppm
62196	1.9	1.69	56	43	<3	0.81	0.5	15	33	623	2.85	0.20	0.85	717	168	0.07	41	0.06	66	<2	<2	26	<5	<3	121
62197	0.7	2.81	11	76	<3	1.89	0.6	7	75	238	1.99	0.34	0.95	710	38	0.02	34	0.07	50	<2	<2	77	<5	<3	162
62198	1.5	1.61	55	20	<3	0.73	3.5	15	30	369	3.23	0.20	0.97	893	152	0.02	33	0.06	219	<2	<2	12	<5	<3	545
62199	0.6	1.89	47	84	<3	1.21	0.6	12	38	175	2.40	0.25	1.01	637	26	0.02	35	0.08	40	<2	<2	56	<5	<3	152
62200	0.3	1.86	34	38	<3	1.02	0.6	19	34	177	2.48	0.22	1.09	478	14	0.02	52	0.13	36	<2	<2	57	<5	<3	133
62201	0.7	1.98	34	38	<3	1.16	0.5	19	33	278	2.41	0.24	0.93	499	27	0.04	54	0.14	39	<2	<2	76	<5	<3	159
62202	2.5	1.88	288	30	<3	1.55	2.3	15	38	472	3.45	0.34	1.06	2478	11	0.02	50	0.13	139	<2	<2	45	<5	<3	350
62203	1.0	2.60	578	23	<3	1.68	4.6	14	38	209	3.41	0.36	1.04	2335	9	0.03	46	0.13	121	<2	<2	72	<5	<3	483
62204	0.9	3.69	251	37	<3	1.89	1.9	19	30	234	2.46	0.36	0.84	997	4	0.05	78	0.13	89	<2	<2	133	<5	<3	359
62205	0.4	3.15	54	49	<3	1.58	0.1	13	26	179	1.55	0.28	0.70	556	19	0.05	47	0.12	64	<2	<2	121	<5	<3	262
62206	0.5	2.25	60	57	<3	1.41	0.1	9	26	119	1.31	0.25	0.67	504	8	0.03	37	0.13	50	<2	<2	99	<5	<3	261
62207	0.2	1.39	31	23	<3	0.93	0.2	12	35	102	1.64	0.19	0.75	329	4	0.02	57	0.14	37	<2	<2	49	<5	<3	150
62208	0.2	1.42	47	21	<3	1.39	0.1	7	30	30	1.11	0.23	0.68	432	<1	0.02	37	0.13	33	<2	<2	56	<5	<3	141
62209	0.1	1.39	27	16	<3	0.99	0.1	7	29	60	1.06	0.18	0.64	288	1	0.02	37	0.13	36	<2	<2	52	<5	<3	126
62210	0.6	2.07	134	24	<3	1.03	0.1	12	38	233	1.84	0.20	0.77	489	19	0.04	51	0.13	44	<2	<2	71	<5	<3	185
62211	0.8	1.77	183	57	<3	0.99	0.4	23	34	302	2.81	0.23	0.94	617	17	0.03	54	0.12	41	<2	<2	53	<5	<3	152
62212	0.2	1.43	80	33	<3	1.07	0.1	11	26	206	2.28	0.22	0.69	577	11	0.02	30	0.11	33	<2	<2	54	<5	<3	114
62213	1.4	1.55	108	35	<3	1.03	0.4	14	29	504	2.45	0.22	0.80	846	31	0.03	41	0.10	67	<2	<2	38	<5	<3	212
62214	0.5	1.26	78	21	<3	0.87	0.1	18	28	177	1.83	0.18	0.76	419	12	0.02	49	0.12	37	<2	<2	38	<5	<3	197
62215	0.5	1.97	40	82	<3	1.38	0.2	13	61	184	1.78	0.26	0.91	513	7	0.02	53	0.08	38	<2	<2	77	<5	<3	122
62216	0.4	3.06	52	204	<3	1.59	0.2	12	79	161	1.72	0.29	0.98	608	11	0.02	67	0.06	46	<2	<2	119	<5	<3	118
62217	2.9	1.26	1151	19	<3	1.07	11.6	11	60	221	2.67	0.23	0.63	1048	8	0.01	33	0.04	508	<2	<2	19	<5	<3	1128
62218	0.2	1.02	108	44	<3	0.54	0.2	8	17	114	1.49	0.12	0.50	305	5	0.01	12	0.06	49	<2	<2	38	<5	<3	110
62219	0.3	0.81	42	22	<3	0.43	0.1	11	23	137	1.57	0.11	0.39	250	5	0.01	14	0.04	26	<2	<2	22	<5	<3	80
62220	0.3	0.83	45	14	<3	0.51	0.5	18	18	221	2.29	0.14	0.40	302	4	0.01	38	0.06	31	<2	<2	17	<5	<3	144
62221	3.5	1.58	509	65	<3	0.17	2.8	27	23	1563	6.70	0.22	0.31	2220	13	0.03	38	0.09	39	<2	<2	10	<5	<3	239
62222	8.9	0.83	560	39	<3	0.13	4.1	20	26	3253	7.44	0.24	0.18	2826	15	0.10	31	0.10	35	<2	<2	4	<5	<3	190
62223	12.4	0.30	390	18	<3	0.06	1.7	11	19	4711	6.11	0.19	0.08	1517	12	0.16	27	0.05	19	<2	3	2	<5	<3	76
62224	19.8	0.38	503	20	<3	0.07	2.3	14	24	7136	7.15	0.22	0.09	1781	11	0.14	37	0.06	20	<2	3	2	<5	<3	105
62225	20.1	0.70	407	25	<3	0.06	1.9	17	20	6127	7.63	0.24	0.15	1856	9	0.12	35	0.05	34	<2	2	2	<5	<3	200
62226	15.2	1.11	138	19	<3	0.11	6.4	22	11	3662	9.35	0.30	0.47	1954	<1	0.06	37	0.08	60	<2	<2	2	<5	<3	731
62227	9.5	0.90	237	12	<3	0.13	2.3	19	12	2704	8.44	0.27	0.38	1663	2	0.04	40	0.10	34	<2	2	2	<5	<3	243
62228	3.5	0.57	225	11	<3	0.13	2.7	19	32	937	7.45	0.24	0.35	1907	2	0.03	43	0.08	29	<2	<2	2	<5	<3	344
62229	2.5	0.39	342	9	<3	0.18	1.2	16	40	754	7.96	0.27	0.74	2517	1	0.03	43	0.09	25	<2	<2	1	<5	<3	79
62230	2.6	0.37	145	15	<3	0.13	0.4	12	15	740	6.16	0.20	0.42	2156	1	0.03	26	0.07	22	<2	<2	1	<5	<3	188
62231	1.7	0.40	318	14	<3	0.17	1.1	17	16	615	7.05	0.24	0.80	2305	<1	0.02	29	0.06	21	<2	<2	1	<5	<3	143
62232	1.6	0.37	131	11	<3	0.17	0.4	11	10	590	6.83	0.23	0.75	1995	1	0.02	25	0.07	22	<2	<2	1	<5	<3	143
62233	2.3	0.55	150	13	<3	0.16	0.6	11	15	755	7.84	0.26	0.83	2247	<1	0.03	21	0.06	25	<2	<2	1	<5	<3	99
62234	1.3	1.98	76	29	<3	0.50	0.6	22	6	501	6.35	0.26	1.02	1416	1	0.01	16	0.08	37	<2	<2	27	<5	<3	146
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

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

REPORT #: 890834 PA BETHLEHEM RESOURCES Proj: GIANT COPPER Date In: 89/11/24 Date Out:89/11/28 Att:

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
62235	2.4	1.94	121	21	<3	0.32	1.9	19	17	710	8.50	0.31	1.20	2032	3	0.03	28	0.07	36	<2	<2	16	<5	<3	216
62236	1.3	0.64	158	23	3	0.21	1.1	15	15	495	9.77	0.33	1.03	2430	3	0.03	40	0.08	16	<2	<2	2	<5	<3	97
62237	0.4	0.31	314	11	<3	0.17	1.2	15	18	133	7.57	0.26	0.64	1668	2	0.11	36	0.06	9	<2	<2	1	<5	<3	35
62238	0.7	0.29	332	11	<3	0.16	0.3	14	12	202	5.19	0.18	0.45	1245	3	0.12	25	0.08	7	<2	<2	1	<5	<3	36
62239	5.3	1.30	248	86	<3	0.14	1.2	23	22	1797	5.27	0.18	0.66	922	7	0.04	43	0.08	34	<2	<2	5	<5	<3	223
62240	1.4	0.39	806	17	<3	0.09	1.5	23	33	602	3.64	0.12	0.20	679	8	0.12	26	0.06	12	<2	<2	2	<5	<3	54
62241	4.1	0.22	581	7	<3	0.05	0.7	16	18	1882	2.57	0.08	0.09	459	4	0.20	19	0.04	4	<2	<2	1	<5	<3	24
62242	1.2	0.19	494	5	<3	0.03	0.1	18	21	777	2.32	0.07	0.05	410	5	0.25	22	0.03	5	<2	<2	1	<5	<3	21
62243	0.6	0.31	234	8	<3	0.14	0.7	28	14	245	3.62	0.13	0.29	1619	29	0.13	49	0.04	14	<2	<2	2	<5	<3	61
62244	1.2	0.38	213	11	<3	0.16	0.2	26	18	447	5.43	0.19	0.53	1894	11	0.06	55	0.04	17	<2	<2	2	<5	<3	85
62245	6.4	0.36	333	12	<3	0.13	0.7	22	19	3725	6.07	0.20	0.50	1449	7	0.12	43	0.06	7	<2	2	1	<5	<3	63
62246	>50.0	0.85	1890	17	3	0.18	8.6	77	19	16728	>10.00	0.36	0.89	2045	6	0.02	86	0.09	27	<2	2	2	<5	<3	241
62247	39.0	0.75	179	19	3	0.19	3.8	31	36	11873	>10.00	0.36	0.92	2475	6	0.03	86	0.09	38	<2	2	1	<5	<3	341
62248	>50.0	0.92	91	19	3	0.28	4.9	30	23	16132	>10.00	0.40	1.01	2780	6	0.03	86	0.16	40	<2	3	2	<5	<3	469
62249	26.3	1.31	95	30	3	0.23	3.4	31	27	9355	>10.00	0.35	1.05	2347	4	0.03	66	0.13	32	<2	2	2	<5	<3	441
62250	13.8	0.37	189	12	<3	0.24	0.9	38	22	8106	8.76	0.30	0.76	1927	5	0.05	65	0.12	16	<2	4	2	<5	<3	77
62251	6.3	0.34	112	11	3	0.26	0.5	28	27	3875	9.08	0.32	0.86	2148	9	0.06	56	0.12	18	<2	3	2	<5	<3	57
62252	4.5	0.40	121	12	3	0.43	0.7	27	30	2550	>10.00	0.37	1.04	2480	7	0.05	72	0.23	15	<2	2	2	<5	<3	43
62253	2.5	0.32	1917	11	3	0.29	6.1	66	31	1173	>10.00	0.36	1.24	2627	6	0.04	102	0.11	19	<2	3	2	<5	<3	46
62254	20.1	0.42	992	15	4	0.37	5.1	71	28	11497	>10.00	0.40	1.30	2593	10	0.04	90	0.18	18	<2	6	3	<5	<3	84
62255	5.3	1.78	97	28	<3	0.18	1.2	16	25	2663	6.51	0.23	0.98	1552	6	0.04	42	0.08	48	<2	<2	2	<5	<3	152
62256	17.6	2.36	154	16	3	0.22	2.2	63	23	16617	9.70	0.33	1.04	1461	4	0.05	108	0.07	42	<2	<2	3	<5	<3	162
62257	30.0	2.56	167	18	4	0.24	6.1	61	32	18072	>10.00	0.35	1.24	1996	5	0.03	109	0.12	108	<2	<2	3	<5	<3	593
62258	29.1	2.83	129	18	3	0.68	4.4	63	75	>20000	>10.00	0.45	1.16	1754	5	0.10	123	0.06	45	<2	2	6	<5	<3	300
62259	28.1	2.61	127	19	3	0.67	2.8	91	36	>20000	>10.00	0.46	1.07	1489	4	0.08	140	0.08	37	<2	3	6	<5	<3	171
62260	18.5	2.66	325	25	3	0.54	3.5	93	47	17328	>10.00	0.39	1.05	1120	3	0.04	108	0.08	44	<2	<2	5	<5	<3	221
62261	13.1	2.73	128	49	3	0.62	1.5	63	115	12617	9.50	0.38	1.41	999	4	0.06	107	0.09	43	<2	2	7	<5	<3	160
62262	13.2	2.64	82	29	<3	0.77	2.1	59	38	13672	9.32	0.40	1.18	1047	5	0.06	99	0.11	39	<2	<2	9	<5	<3	167
62263	10.6	2.46	145	37	<3	0.85	2.1	46	66	8563	8.97	0.40	1.46	1404	9	0.05	82	0.12	41	<2	<2	10	<5	<3	231
62264	4.9	2.05	43	34	<3	0.57	0.1	33	45	3807	5.82	0.26	1.16	821	5	0.05	48	0.10	29	<2	<2	7	<5	<3	118
62265	12.3	2.69	70	23	<3	0.60	15.6	41	29	7936	7.62	0.32	1.29	1242	6	0.07	59	0.11	142	<2	<2	6	<5	<3	2075
62266	12.7	2.32	153	12	3	0.78	2.4	46	32	10583	8.56	0.38	1.28	1393	11	0.05	73	0.14	48	<2	<2	6	<5	<3	297
62267	13.0	1.92	182	16	<3	0.76	1.5	36	30	7322	7.87	1.32	1.18	1596	11	0.05	60	0.11	40	<2	<2	7	<5	<3	191
62268	10.8	2.04	132	21	<3	1.02	1.5	43	44	11381	7.42	0.38	1.24	1326	8	0.06	71	0.13	37	<2	<2	9	<5	<3	135
62269	11.8	2.25	128	19	<3	1.10	1.2	35	37	8914	7.02	0.38	1.42	1388	7	0.06	76	0.13	37	<2	<2	11	<5	<3	146
62270	12.5	2.14	130	35	<3	1.01	1.5	36	32	8314	6.43	0.34	1.29	1424	7	0.06	62	0.14	42	<2	<2	10	<5	<3	204
62271	12.6	2.44	128	18	<3	1.23	2.1	37	53	8720	7.83	1.39	1.56	1749	13	0.08	72	0.16	44	<2	<2	8	<5	<3	270
62272	9.1	1.48	197	18	<3	0.72	1.5	33	30	6205	7.01	0.32	1.09	1555	14	0.06	60	0.12	37	<2	2	6	<5	<3	170
62273	9.4	2.75	91	28	<3	1.32	1.9	37	61	6744	7.55	1.39	1.73	1771	27	0.06	73	0.12	46	<2	<2	14	<5	<3	220
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

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

REPORT #: 890834 PA BETHLEHEM RESOURCES Proj: GIANT COPPER Date In: 89/11/24 Date Out:89/11/28 Att:

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
62274	22.7	2.66	78	24	<3	0.81	4.9	39	24	14354	8.14	0.37	1.39	1705	14	0.06	84	0.21	77	<2	<2	7	<5	<3	616
62275	18.2	2.85	73	30	<3	1.32	4.4	42	53	15175	8.22	0.01	1.67	1870	8	0.06	78	0.19	61	<2	<2	11	<5	<3	467
62276	18.0	3.07	160	23	<3	1.45	3.1	47	72	15516	8.86	0.49	1.85	2055	21	0.06	94	0.21	55	<2	<2	11	<5	<3	280
62277	19.2	3.22	913	14	3	1.19	5.5	54	36	11449	8.73	0.44	1.78	2300	10	0.09	80	0.18	84	<2	<2	9	<5	<3	456
62278	18.1	2.89	109	31	<3	0.77	4.5	42	64	10396	7.93	0.36	1.54	1783	201	0.08	82	0.15	85	<2	<2	13	<5	<3	611
62279	19.5	2.36	77	46	<3	1.39	1.7	75	37	19346	7.89	0.45	1.45	1384	>1000	0.07	118	0.26	41	<2	<2	16	<5	<3	177
62280	19.7	2.37	85	53	<3	1.64	2.3	73	46	19231	8.29	0.49	1.57	1564	>1000	0.08	114	0.25	35	<2	2	15	<5	<3	185
62281	13.1	2.42	64	55	<3	1.57	0.9	55	35	15220	7.43	0.46	1.62	1372	>1000	0.10	92	0.23	37	<2	2	14	<5	<3	150
62282	20.6	2.38	129	17	<3	0.68	7.1	52	21	12213	8.13	0.35	1.28	1965	914	0.41	68	0.11	135	<2	<2	6	<5	<3	909
62283	16.7	2.80	255	13	<3	0.54	5.3	58	24	8362	7.87	0.32	1.34	2088	746	0.17	55	0.14	128	<2	<2	6	<5	<3	648
62284	12.5	3.04	137	59	<3	0.72	5.1	46	61	7379	6.59	0.31	1.31	1652	596	0.16	127	0.12	123	<2	<2	31	<5	<3	691
62285	5.6	2.83	74	109	<3	1.06	1.2	35	36	6049	6.59	0.36	1.68	1451	284	0.17	56	0.12	44	<2	<2	28	<5	<3	168
62286	5.4	2.45	129	16	<3	0.90	1.4	34	79	4717	7.11	0.35	1.53	1836	292	0.45	63	0.09	47	<2	<2	7	<5	<3	157
62287	1.6	0.92	204	20	<3	1.06	0.5	70	17	1294	3.85	0.27	0.82	1325	79	0.08	23	0.05	13	<2	<2	8	<5	<3	53
62288	4.2	1.67	344	10	<3	0.52	1.1	75	20	2267	5.86	0.26	0.93	1671	66	0.25	47	0.05	55	<2	<2	4	<5	<3	207
62289	2.7	1.19	107	15	<3	0.69	0.7	22	24	1258	2.95	0.19	0.70	739	16	0.04	37	0.05	44	<2	<2	8	<5	<3	298
62290	1.8	1.20	154	50	<3	0.75	0.1	35	34	1151	3.25	0.21	0.77	871	23	0.06	48	0.07	30	<2	<2	21	<5	<3	164
62316	1.5	1.96	351	92	<3	1.12	0.7	93	19	793	3.11	0.26	0.86	670	10	0.04	30	0.07	24	<2	<2	59	<5	<3	78
62317	1.4	1.49	362	110	<3	1.17	0.1	20	17	1005	2.63	0.25	0.70	657	16	0.02	28	0.07	34	<2	<2	59	<5	<3	114
62318	1.1	2.13	317	86	<3	0.93	0.2	32	16	832	2.99	0.23	0.90	574	11	0.03	21	0.08	27	<2	<2	48	<5	<3	77
62323	5.3	2.19	149	15	<3	0.18	3.6	15	21	1544	10.00	0.34	1.04	2315	9	0.06	41	0.10	64	<2	<2	3	<5	<3	450
62324	1.5	1.31	51	23	<3	0.27	0.2	15	32	346	3.48	0.15	0.74	1138	5	0.02	28	0.09	29	<2	2	11	<5	<3	244
62330	5.1	1.29	57	15	<3	0.19	6.6	16	38	1443	>10.00	0.36	0.66	7837	3	0.04	48	0.09	88	<2	<2	7	<5	<3	714
62331	2.2	3.24	54	8	<3	0.15	2.1	20	18	638	>10.00	0.01	1.19	3445	1	0.04	30	0.09	90	<2	<2	3	<5	<3	220
62332	2.4	2.86	43	8	<3	0.14	4.9	19	17	557	9.14	0.31	1.12	3052	3	0.03	24	0.08	85	<2	<2	2	<5	<3	630
62334	4.1	3.22	175	10	4	0.51	3.8	46	35	1114	>10.00	0.43	1.55	4230	4	0.02	50	0.07	104	<2	<2	5	<5	<3	395
62335	2.4	3.88	51	10	3	0.18	8.6	28	44	552	>10.00	0.37	1.69	3150	2	0.03	33	0.08	155	<2	<2	2	<5	<3	1099
62336	2.1	3.13	37	13	<3	0.66	7.8	20	44	425	8.66	0.37	1.76	3854	2	0.06	22	0.09	300	<2	<2	6	<5	<3	1062
62337	1.5	3.27	40	9	<3	0.55	4.1	22	37	407	9.44	0.38	1.74	3942	2	0.03	25	0.08	130	<2	<2	4	<5	<3	585
62339	0.3	3.76	13	148	<3	1.35	0.6	21	197	143	2.64	0.28	1.60	456	4	0.04	172	0.06	48	<2	<2	119	<5	<3	109
62340	1.0	3.98	33	139	<3	0.96	6.1	21	311	233	7.33	0.37	2.44	2424	3	0.02	110	0.07	187	<2	<2	45	<5	<3	916
62341	2.2	3.39	45	12	3	0.42	13.3	26	58	448	>10.00	0.40	1.84	4334	2	0.04	34	0.07	326	<2	<2	5	<5	<3	1734
62342	1.1	2.70	26	10	<3	0.27	4.1	13	27	410	8.13	0.29	1.27	2705	5	0.04	25	0.07	62	<2	<2	3	<5	<3	545
62343	2.1	3.30	37	10	<3	0.26	2.1	19	68	945	9.47	0.33	1.36	2488	2	0.03	37	0.11	56	<2	<2	3	<5	<3	183
62344	1.5	3.62	37	9	3	0.20	1.9	20	25	877	>10.00	0.36	1.52	2716	1	0.04	32	0.10	58	<2	<2	2	<5	<3	165
62345	0.4	3.37	150	9	3	0.31	1.7	13	120	90	>10.00	0.42	1.69	3192	2	0.05	39	0.15	51	<2	<2	3	<5	<3	92
62346	1.3	3.63	104	10	4	0.25	1.7	12	21	670	>10.00	0.42	1.60	3196	2	0.04	40	0.12	52	<2	<2	2	<5	<3	78
62347	1.5	3.03	611	11	3	0.21	2.1	22	39	847	>10.00	0.36	1.40	2816	4	0.04	68	0.08	50	<2	<2	2	<5	<3	99
62348	7.1	3.24	51	9	3	0.28	1.9	16	36	2715	>10.00	0.39	1.57	3905	6	0.03	44	0.13	51	<2	<2	3	<5	<3	148
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

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

REPORT #: 890834 PA BETHLEHEM RESOURCES Proj: GIANT COPPER Date In:-89/11/24 Date Out:89/11/28 Att:

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
62351	7.5	2.53	67	19	<3	1.23	4.1	27	18	5123	6.87	0.06	1.35	2892	13	0.10	54	0.15	235	<2	<2	9	<5	<3	675
62356	12.6	3.18	66	19	3	1.24	6.8	34	24	7151	8.94	0.01	1.48	3076	4	0.13	53	0.13	179	<2	<2	12	<5	<3	902
62358	5.2	1.79	38	15	<3	1.17	0.9	18	28	4150	4.81	0.01	0.78	1748	3	0.13	30	0.06	64	<2	<2	8	<5	<3	249
62359	12.1	2.42	241	15	<3	0.78	3.8	26	24	5850	7.19	0.01	0.99	2167	21	0.06	47	0.09	98	<2	<2	8	<5	<3	508
62360	14.5	3.26	86	16	3	1.09	2.5	42	43	12085	>10.00	0.01	1.46	2695	3	0.10	83	0.13	67	<2	<2	8	<5	<3	221
62361	9.5	2.92	95	29	<3	1.29	1.5	39	29	8322	7.72	0.03	1.23	1916	4	0.09	87	0.11	60	<2	<2	25	<5	<3	224
62362	10.9	2.45	160	19	<3	1.03	2.6	53	26	9825	8.48	0.01	1.20	2157	4	0.06	67	0.10	59	<2	<2	10	<5	<3	249
62363	9.0	1.93	78	17	<3	0.74	2.5	38	14	7350	7.35	0.01	1.11	2105	2	0.04	44	0.07	85	<2	<2	8	<5	<3	393
62364	7.7	1.78	120	14	<3	0.69	2.9	35	22	5929	7.41	0.01	1.24	2496	3	0.03	47	0.07	64	<2	<2	7	<5	<3	402
62365	10.1	2.27	76	17	3	0.96	4.9	32	22	6870	9.75	0.01	1.68	4149	1	0.02	53	0.11	115	<2	3	10	<5	<3	603
62366	14.8	1.53	85	14	3	0.62	3.5	31	15	10246	9.39	0.10	1.43	3419	2	0.02	46	0.09	59	<2	4	7	<5	<3	416
62367	5.7	1.38	37	21	<3	0.81	4.1	18	26	4206	4.67	0.01	0.95	1598	4	0.02	28	0.10	72	<2	<2	12	<5	<3	670
62368	9.1	1.61	62	22	<3	1.04	5.4	38	20	6574	6.82	0.13	1.13	2104	3	0.04	55	0.14	88	<2	<2	17	<5	<3	735
62369	5.8	1.78	47	17	<3	1.00	6.3	32	25	4606	6.04	0.01	1.14	2169	5	0.05	42	0.15	223	<2	<2	10	<5	<3	821
62370	3.1	2.05	42	20	<3	1.53	1.9	32	28	3032	5.50	0.01	1.17	1648	10	0.13	40	0.09	62	<2	<2	16	<5	<3	336
62373	4.3	2.65	126	29	3	1.19	2.1	70	59	3623	8.70	0.21	1.63	1559	39	0.13	49	0.14	58	<2	<2	14	<5	<3	168
62376	2.8	1.89	132	25	<3	0.70	2.9	37	45	2821	5.75	0.14	0.99	1456	36	0.09	36	0.10	185	<2	<2	9	<5	<3	429
62377	1.7	3.22	38	114	<3	1.42	1.4	35	22	1639	4.88	0.20	0.85	1018	95	0.05	46	0.08	72	<2	<2	70	<5	<3	215
62378	1.9	2.80	236	122	<3	1.35	3.8	38	64	1150	5.93	0.23	1.08	1691	251	0.17	48	0.07	212	<2	<2	75	<5	<3	437
62379	3.1	2.63	168	22	<3	1.23	2.5	38	54	2581	6.94	0.25	1.54	2415	497	0.19	42	0.11	131	<2	<2	16	<5	<3	319
66952	5.5	0.80	259	20	<3	0.10	4.1	11	26	334	3.66	0.09	0.25	2392	16	0.01	19	0.05	309	<2	<2	8	<5	<3	433
66953	2.1	0.86	111	13	<3	0.09	1.2	6	12	91	2.74	0.07	0.31	1010	12	0.01	6	0.05	100	<2	<2	5	<5	<3	310
66956	5.6	1.00	421	24	<3	0.09	1.7	12	32	367	3.48	0.09	0.25	735	13	0.01	8	0.06	1211	<2	<2	11	<5	<3	428
66957	2.3	1.76	125	45	<3	0.24	0.7	13	26	200	2.68	0.10	0.45	407	6	0.02	14	0.06	113	<2	<2	32	<5	<3	216
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

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

VGC VANGEOCHEM LAB LIMITED

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

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

GEOCHEMICAL ANALYTICAL REPORT

CLIENT: BETHLEHEM RESOURCES CORP.
ADDRESS: 860 - 808 W. Hastings St.
: Vancouver, BC
: V6C 2X4

DATE: NOV. 28 1989
REPORT#: 890830 GA
JOB#: 890830

PROJECT#: GIANT COPPER
SAMPLES ARRIVED: NOV. 23 1989
REPORT COMPLETED: NOV. 28 1989
ANALYSED FOR: Au (FA/AAS) ICP

INVOICE#: 890830 NA
TOTAL SAMPLES: 99
SAMPLE TYPE: 99 DRILL CUT
REJECTS: SAVED

SAMPLES FROM: MR. BRIAN KYNOCH
COPY SENT TO: BETHLEHEM RESOURCES CORP.

PREPARED FOR: MR. BRIAN KYNOCH

35 ANNIVERSARY

ANALYSED BY: VGC Staff

SIGNED: _____

GENERAL REMARK: None

VGC VANGEOCHEM LAB LIMITED

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REPORT NUMBER: 890830 GA JOB NUMBER: 890830 BETHLEHEM RESOURCES CORP.

SAMPLE #	Au ppb
62291	70
62292	60
62293	100
62294	70
62295	40
62296	100
62297	30
62298	30
62299	30
62300	20
62301	20
62302	30
62303	30
62304	30
62305	160
62306	50
62307	50
62308	270
62309	70
62310	40
62311	80
62312	80
62313	40
62314	150
62315	80
62319	80
62320	70
62321	80
62322	30
62325	40
62326	50
62327	20
62328	90
62329	80
62333	70
62338	20
62349	60
62350	90
62352	70
DETECTION LIMIT	5

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

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SAMPLE #	Au ppb
62353	160
62354	140
62355	110
62357	340
62371	70
62372	110
62374	110
62375	40
62380	60
62381	30
62382	150
62383	60
62384	50
62385	20
62386	30
62387	30
62388	40
62389	30
62390	50
62391	180
62392	40
62393	100
62394	50
62395	120
62396	80
62397	20
62398	30
62399	100
62400	100
62401	130
62402	30
62403	90
62404	30
62405	20
62406	90
62407	150
62408	60
62409	70
62410	50
DETECTION LIMIT	5

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

VGC VANGEOCHEM LAB LIMITED

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

SAMPLE #	Au ppb
62411	70
62412	40
62413	40
62414	20
62415	190
62416	250
62417	160
62418	120
62419	70
62420	60
62421	40
62422	50
62423	270
62424	430
62425	470
62426	200
62427	70
62428	70
62429	160
62430	100
62431	70

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

[redacted]iuaph[redacted], Vanc[redacted] B.C. [redacted]
Ph:(604)251-5656 Fax:(604)254-57[redacted]

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 #: 890830 PA BETHLEHEM Proj: Date In: 89/11/23 Date Out:89/11/28 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
62291	0.9	0.98	172	20	<3	0.73	0.2	34	32	1242	3.33	0.21	0.68	877	18	0.06	49	0.08	26	<2	<2	57	<5	<3	237
62292	0.9	1.32	55	37	<3	1.12	0.5	19	57	762	2.74	0.25	0.81	675	6	0.04	41	0.08	25	<2	<2	34	<5	<3	96
62293	1.4	1.01	102	11	<3	0.59	0.6	23	29	711	2.65	0.17	0.53	512	13	0.04	59	0.07	36	<2	2	18	<5	<3	286
62294	2.9	0.84	247	11	<3	0.59	0.9	26	37	2117	4.02	0.21	0.61	907	16	0.05	39	0.12	29	<2	2	10	<5	<3	176
62295	1.1	0.82	123	10	<3	0.63	0.5	22	34	631	2.39	0.16	0.47	396	12	0.03	51	0.10	22	<2	3	14	<5	<3	109
62296	1.8	3.26	491	49	<3	1.57	0.6	282	76	2027	3.67	0.35	0.80	821	23	0.06	90	0.08	38	<2	<2	96	<5	<3	88
62297	0.1	4.05	129	150	<3	1.81	0.4	17	153	177	1.30	0.31	1.26	261	5	0.04	84	0.06	33	<2	<2	111	<5	<3	52
62298	0.4	3.66	158	141	<3	2.04	0.3	15	110	631	2.06	0.37	0.95	526	7	0.05	116	0.08	33	<2	<2	123	<5	<3	74
62299	0.1	3.57	89	101	<3	2.21	0.5	16	63	213	1.10	0.36	0.65	312	2	0.06	70	0.07	32	<2	<2	130	<5	<3	52
62300	0.4	1.30	88	52	<3	1.13	0.2	35	36	595	2.44	0.24	0.58	514	21	0.03	135	0.07	20	<2	<2	46	<5	<3	57
62301	0.1	2.17	111	73	<3	1.70	0.4	73	55	298	1.97	0.31	0.62	459	5	0.04	100	0.07	50	<2	<2	80	<5	<3	141
62302	2.1	1.76	287	80	<3	1.20	0.6	25	55	1283	3.52	0.29	0.80	847	10	0.05	58	0.09	68	<2	<2	55	<5	<3	201
62303	0.1	1.26	31	25	<3	0.94	0.5	4	54	235	1.68	0.19	0.67	497	2	0.02	19	0.05	22	<2	<2	30	<5	<3	73
62304	0.1	0.93	79	13	<3	0.70	0.2	6	42	294	1.52	0.15	0.67	570	4	0.02	17	0.05	20	<2	<2	13	<5	<3	104
62305	0.6	1.12	320	10	<3	0.90	0.3	12	24	578	2.40	0.20	0.66	884	7	0.03	22	0.05	26	<2	<2	11	<5	<3	161
62306	2.1	1.08	213	46	<3	0.72	0.8	15	26	1295	3.29	0.21	0.73	915	12	0.04	26	0.07	24	<2	<2	26	<5	<3	115
62307	2.2	1.66	500	55	<3	1.18	1.0	16	27	1268	3.40	0.28	0.80	896	7	0.05	25	0.09	29	<2	<2	42	<5	<3	125
62308	0.5	1.80	53	122	<3	1.28	0.7	11	13	366	1.98	0.25	0.66	516	3	0.04	18	0.10	32	<2	<2	70	<5	<3	121
62309	0.5	2.54	73	111	<3	1.16	0.5	14	26	355	2.82	1.21	1.02	492	4	0.06	12	0.10	33	<2	<2	62	<5	<3	120
62310	0.9	2.41	79	113	<3	1.04	0.6	17	23	777	3.71	0.27	1.14	650	6	0.05	20	0.10	30	<2	<2	52	<5	<3	113
62311	1.3	1.98	96	87	<3	1.23	0.8	11	22	697	2.10	0.25	0.78	587	12	0.04	29	0.09	55	<2	<2	63	<5	<3	208
62312	1.0	2.14	72	75	<3	0.98	0.7	59	16	538	2.66	0.23	0.90	525	6	0.05	20	0.09	33	<2	<2	50	<5	<3	103
62313	0.2	2.54	60	114	<3	1.10	0.4	194	31	339	3.03	0.25	1.09	479	5	0.05	10	0.09	33	<2	<2	56	<5	<3	101
62314	1.8	2.07	413	98	<3	0.93	0.9	61	22	1148	4.35	0.27	1.01	907	13	0.06	23	0.10	32	<2	<2	44	<5	<3	114
62315	2.4	1.93	468	89	<3	0.87	0.7	69	24	1357	4.35	0.26	0.95	936	19	0.07	25	0.09	29	<2	<2	42	<5	<3	103
62319	4.8	2.38	390	29	3	0.09	2.3	20	40	1612	8.55	0.28	0.51	1820	17	0.09	40	0.08	76	<2	<2	8	<5	<3	260
62320	6.8	2.24	569	42	3	0.12	2.8	22	58	2195	7.96	0.27	0.54	2990	27	0.14	35	0.09	70	<2	<2	8	<5	<3	296
62321	2.7	0.46	689	18	3	0.11	2.4	16	30	1463	8.34	0.27	0.11	2154	31	0.27	29	0.09	25	<2	<2	3	<5	<3	103
62322	5.7	0.70	530	19	4	0.09	2.2	22	30	2156	8.97	0.29	0.27	1909	12	0.16	29	0.07	40	<2	3	4	<5	<3	145
62325	4.6	2.41	98	20	4	0.19	5.8	19	91	1288	8.39	1.24	0.99	2900	5	0.08	67	0.10	114	<2	<2	6	<5	<3	819
62326	8.7	3.25	172	15	5	0.15	6.7	19	34	2210	>10.00	1.34	1.02	2160	5	0.10	41	0.11	215	<2	<2	4	<5	<3	589
62327	8.7	2.84	153	15	4	0.15	5.1	18	29	2478	9.49	0.32	0.81	2519	9	0.09	39	0.12	138	<2	<2	6	<5	<3	552
62328	21.3	2.43	209	14	5	0.16	4.4	15	26	3574	9.70	0.32	0.64	2328	12	0.08	46	0.14	242	<2	<2	6	<5	<3	547
62329	12.2	1.58	149	17	5	0.10	6.0	17	63	3977	>10.00	0.35	0.38	6601	7	0.05	58	0.09	143	<2	<2	9	<5	<3	768
62333	3.7	3.54	54	8	5	0.23	1.3	23	23	1473	>10.00	0.40	1.51	4020	<1	0.07	40	0.10	59	<2	<2	3	<5	<3	104
62338	0.5	3.72	29	135	<3	1.38	3.5	21	203	316	6.01	1.35	1.89	2365	1	0.08	118	0.07	155	<2	<2	66	<5	<3	638
62349	11.7	4.50	51	10	6	0.55	10.2	26	35	4124	>10.00	0.47	2.04	4159	38	0.07	48	0.23	271	<2	<2	5	<5	<3	1238
62350	8.5	3.04	33	14	3	1.28	4.3	25	19	5481	8.10	0.44	1.68	3896	16	0.20	43	0.12	174	<2	<2	9	<5	<3	610
62352	1.9	1.79	37	28	<3	0.97	0.4	24	19	2290	4.05	0.27	0.83	1134	9	0.05	37	0.09	53	<2	<2	12	<5	<3	203
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
62353	7.5	2.47	51	17	<3	1.62	1.1	37	27	8777	7.21	1.42	1.24	2139	2	0.19	59	0.20	52	<2	<2	12	<5	<3	190
62354	3.9	2.83	25	68	<3	1.82	0.3	23	41	5051	4.98	1.38	1.05	1536	2	0.12	54	0.12	40	<2	<2	37	<5	<3	169
62355	2.4	2.43	69	47	<3	1.01	1.4	25	57	2230	5.12	0.31	1.08	1459	2	0.08	57	0.07	59	<2	<2	32	<5	<3	325
62357	35.5	3.05	57	17	4	1.14	11.5	42	19	16599	9.81	0.47	1.29	2720	<1	0.17	68	0.16	289	<2	<2	8	<5	<3	1469
62371	2.5	2.17	57	23	<3	0.99	0.8	42	22	3150	6.47	0.34	1.18	1403	40	0.13	28	0.10	47	<2	<2	10	<5	<3	185
62372	3.0	2.40	42	47	<3	1.20	1.4	27	40	3123	5.06	0.33	1.05	1209	11	0.13	38	0.09	52	<2	<2	32	<5	<3	326
62374	3.8	2.49	129	25	3	1.01	1.4	57	44	3928	8.12	0.40	1.36	1617	91	0.28	48	0.11	51	<2	<2	10	<5	<3	157
62375	3.2	2.15	107	22	3	0.85	1.6	51	36	3588	7.26	1.31	1.21	1623	48	0.15	46	0.09	87	<2	<2	9	<5	<3	260
62380	7.0	2.04	323	24	<3	0.78	4.5	43	44	2289	5.89	0.30	1.13	2223	193	0.53	30	0.07	210	<2	<2	11	<5	<3	610
62381	1.1	1.14	169	16	<3	0.67	1.3	16	33	583	2.31	1.12	0.72	727	60	0.10	31	0.05	64	<2	<2	12	<5	<3	385
62382	0.5	1.16	38	14	<3	0.90	1.2	10	30	503	2.02	0.19	0.67	658	112	0.09	30	0.07	50	<2	<2	18	<5	<3	385
62383	0.3	2.28	22	39	<3	1.55	0.7	15	76	221	2.25	0.30	0.84	594	24	0.06	81	0.07	49	<2	<2	63	<5	<3	121
62384	0.3	2.59	34	28	<3	2.06	0.5	21	54	319	3.17	0.40	1.16	843	58	0.08	88	0.16	71	<2	<2	67	<5	<3	325
62385	0.6	1.55	59	21	<3	1.31	0.4	14	55	182	1.73	0.25	0.77	510	12	0.05	54	0.12	42	<2	<2	43	<5	<3	143
62386	0.2	1.20	63	18	<3	1.40	0.8	10	48	137	1.61	0.25	0.69	576	8	0.03	60	0.10	40	<2	<2	29	<5	<3	213
62387	0.4	1.11	68	8	<3	1.91	0.6	7	70	221	1.99	1.29	0.71	801	7	0.04	20	0.13	36	<2	<2	20	<5	<3	133
62388	0.1	1.06	38	8	<3	1.87	0.5	6	62	82	1.48	0.32	0.63	642	10	0.03	17	0.13	24	<2	<2	19	<5	<3	104
62389	0.4	1.46	91	41	<3	1.56	0.9	15	59	417	1.68	0.28	0.69	653	15	0.04	63	0.09	35	<2	<2	51	<5	<3	206
62390	0.6	2.12	111	146	<3	1.69	0.2	12	61	197	1.83	0.31	0.95	842	3	0.04	74	0.06	77	<2	<2	85	<5	<3	251
62391	0.5	2.64	88	110	<3	2.15	0.8	13	68	217	2.63	0.40	1.22	821	4	0.06	61	0.13	53	<2	<2	105	<5	<3	193
62392	0.6	2.95	83	106	<3	2.37	0.4	26	66	167	2.29	0.42	1.04	848	2	0.06	72	0.13	75	<2	<2	105	<5	<3	195
62393	0.3	3.42	37	39	<3	1.83	0.7	16	54	128	2.23	0.34	0.90	625	2	0.08	54	0.11	39	<2	<2	103	<5	<3	125
62394	0.2	4.05	16	58	<3	2.01	0.2	7	52	69	1.29	0.34	0.79	383	1	0.08	33	0.09	39	<2	<2	136	<5	<3	116
62395	2.4	4.04	1137	76	<3	2.18	3.2	10	73	453	2.74	0.41	0.88	1054	2	0.06	51	0.07	97	<2	<2	120	<5	<3	268
62396	2.3	1.45	1179	17	<3	1.04	4.5	18	33	324	3.17	0.25	0.71	1090	4	0.03	31	0.06	182	<2	<2	20	<5	<3	379
62397	1.1	1.48	250	43	<3	0.77	0.9	11	36	216	2.24	0.18	0.71	663	7	0.03	15	0.04	85	<2	<2	42	<5	<3	270
62398	0.9	1.30	86	59	<3	1.18	0.9	12	46	281	2.42	0.25	0.62	685	5	0.03	20	0.06	42	<2	<2	52	<5	<3	232
62399	0.8	1.39	108	79	<3	0.47	0.3	10	54	325	2.61	0.15	0.75	656	2	0.04	14	0.04	56	<2	<2	53	<5	<3	259
62400	1.3	1.40	72	101	<3	0.59	0.6	10	34	408	2.51	0.17	0.65	606	5	0.04	26	0.05	49	<2	<2	65	<5	<3	192
62401	0.5	1.08	24	54	<3	1.19	0.5	11	40	281	2.22	0.24	0.51	536	6	0.03	23	0.06	29	<2	<2	42	<5	<3	144
62402	0.6	0.90	31	19	<3	1.85	1.0	7	41	205	1.96	0.33	0.57	686	24	0.03	20	0.07	39	<2	<2	25	<5	<3	243
62403	1.6	1.57	132	49	<3	1.50	0.2	14	38	478	3.55	0.33	0.83	996	9	0.03	23	0.07	59	<2	<2	39	<5	<3	242
62404	0.2	1.91	53	69	<3	1.31	0.4	12	10	92	2.32	0.26	0.72	498	1	0.02	16	0.04	25	<2	<2	76	<5	<3	87
62405	0.2	3.49	37	54	<3	1.32	0.9	14	14	102	3.91	0.32	1.14	490	1	0.04	36	0.09	39	<2	<2	103	<5	<3	118
62406	0.1	5.49	21	30	<3	1.98	1.0	15	12	122	5.33	0.46	1.55	532	1	0.07	21	0.20	53	<2	<2	135	<5	<3	170
62407	0.6	3.81	36	40	<3	1.18	0.9	8	17	230	3.96	0.30	1.20	663	3	0.05	25	0.13	44	<2	<2	87	<5	<3	102
62408	0.3	3.17	32	40	<3	0.94	0.7	13	13	158	3.39	0.25	0.94	422	1	0.03	16	0.05	37	<2	<2	124	<5	<3	85
62409	0.2	2.69	37	54	<3	0.80	0.5	14	11	136	2.60	0.20	0.70	328	8	0.03	25	0.05	29	<2	<2	77	<5	<3	57
62410	0.1	3.51	30	46	<3	0.99	0.2	16	14	108	3.41	0.26	0.75	349	<1	0.05	17	0.04	36	<2	<2	159	<5	<3	55
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

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

REPORT #: 890830 PA BETHLEHEM Proj: Date In: 89/11/23 Date Out:89/11/28 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
62411	0.6	2.41	53	41	<3	0.70	0.4	13	15	360	3.59	0.21	0.76	629	1	0.03	30	0.05	46	<2	<2	55	<5	<3	106
62412	0.3	2.79	126	41	<3	0.85	0.5	14	13	179	3.45	0.23	0.76	518	2	0.04	26	0.03	40	<2	<2	76	<5	<3	48
62413	0.1	4.63	37	36	<3	1.52	0.4	16	14	220	4.12	0.36	0.70	460	2	0.06	27	0.06	51	<2	<2	139	<5	<3	60
62414	0.3	3.97	37	41	<3	1.25	0.5	15	19	105	3.44	0.29	0.71	365	<1	0.05	35	0.04	42	<2	<2	109	<5	<3	72
62415	1.7	3.44	59	48	<3	1.12	0.6	16	19	558	4.74	0.31	0.80	640	2	0.04	39	0.07	64	<2	<2	89	<5	<3	147
62416	0.2	3.63	40	41	<3	1.40	0.4	14	12	143	3.98	1.29	0.73	391	<1	0.04	25	0.05	42	<2	<2	162	<5	<3	97
62417	0.3	3.70	407	37	<3	1.50	0.1	17	10	147	4.39	0.36	0.72	410	<1	0.04	38	0.07	46	<2	<2	105	<5	<3	57
62418	0.1	3.20	99	45	<3	1.08	0.7	15	15	120	3.79	0.28	0.74	402	<1	0.03	120	0.05	41	<2	<2	71	<5	<3	51
62419	1.1	2.92	76	41	<3	0.91	0.9	15	13	288	4.54	0.27	0.83	543	<1	0.03	36	0.05	48	<2	<2	50	<5	<3	108
62420	0.3	4.05	15	34	<3	1.47	0.4	14	10	95	4.10	0.34	0.75	388	<1	0.04	21	0.04	44	<2	<2	82	<5	<3	49
62421	0.2	3.32	18	43	<3	0.99	0.2	12	14	70	3.53	0.25	0.72	323	<1	0.03	22	0.04	36	<2	<2	74	<5	<3	53
62422	0.1	3.60	24	36	<3	1.22	0.2	13	9	94	3.92	0.30	0.76	427	<1	0.04	21	0.10	44	<2	<2	82	<5	<3	74
62423	2.4	2.04	212	126	<3	0.20	0.8	19	31	1604	3.32	0.13	0.81	741	9	0.08	27	0.07	43	<2	<2	27	<5	<3	142
62424	1.1	1.80	199	33	<3	0.19	0.8	13	21	1656	3.28	0.13	0.74	921	4	0.07	18	0.05	34	<2	<2	7	<5	<3	166
62425	1.3	1.64	95	24	<3	0.18	0.5	10	22	1822	2.88	0.11	0.65	1019	6	0.13	11	0.05	34	<2	<2	5	<5	<3	159
62426	0.8	1.75	104	19	<3	0.15	0.7	10	20	1274	3.23	0.12	0.67	1033	6	0.10	12	0.05	44	<2	<2	3	<5	<3	168
62427	0.7	1.39	46	18	<3	0.10	0.7	7	18	687	2.60	0.09	0.61	1130	4	0.07	21	0.04	39	<2	<2	3	<5	<3	116
62428	0.3	1.16	16	17	<3	0.14	0.7	4	34	233	1.96	0.08	0.59	513	3	0.04	7	0.04	32	<2	<2	4	<5	<3	99
62429	1.6	1.55	45	19	<3	0.11	0.2	7	36	369	3.25	0.11	0.69	579	11	0.33	12	0.05	39	<2	<2	5	<5	<3	100
62430	6.5	1.95	156	31	<3	0.13	0.5	17	27	3044	5.15	0.18	0.80	982	27	0.47	27	0.06	63	<2	<2	12	<5	<3	210
62431	6.0	2.12	154	42	<3	0.16	1.1	15	30	2931	5.45	0.19	0.88	1057	35	0.43	32	0.06	65	<2	<2	11	<5	<3	258
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

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

[redacted] Vanco[redacted] V[redacted]
Ph:(604)251-5656 Fax:(604)254-571[redacted]

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 #: 890830 PA | BETHLEHEM | Proj: | Date In: 89/11/23 | Date Out:89/11/28 | 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
62291	0.9	0.98	172	20	<3	0.73	0.2	34	32	1242	3.33	0.21	0.68	877	18	0.06	49	0.08	26	<2	<2	57	<5	<3	237
62292	0.9	1.32	55	37	<3	1.12	0.5	19	57	762	2.74	0.25	0.81	675	6	0.04	41	0.08	25	<2	<2	34	<5	<3	96
62293	1.4	1.01	102	11	<3	0.59	0.6	23	29	711	2.65	0.17	0.53	512	13	0.04	59	0.07	36	<2	2	18	<5	<3	286
62294	2.9	0.84	247	11	<3	0.59	0.9	26	37	2117	4.02	0.21	0.61	907	16	0.05	39	0.12	29	<2	2	10	<5	<3	176
62295	1.1	0.82	123	10	<3	0.63	0.5	22	34	631	2.39	0.16	0.47	396	12	0.03	51	0.10	22	<2	3	14	<5	<3	109
62296	1.8	3.26	491	49	<3	1.57	0.6	282	76	2027	3.67	0.35	0.80	821	23	0.06	90	0.08	38	<2	<2	96	<5	<3	88
62297	0.1	4.05	129	150	<3	1.81	0.4	17	153	177	1.30	0.31	1.26	261	5	0.04	84	0.06	33	<2	<2	111	<5	<3	52
62298	0.4	3.66	158	141	<3	2.04	0.3	15	110	631	2.06	0.37	0.95	526	7	0.05	116	0.08	33	<2	<2	123	<5	<3	74
62299	0.1	3.57	89	101	<3	2.21	0.5	16	63	213	1.10	0.36	0.65	312	2	0.06	70	0.07	32	<2	<2	130	<5	<3	52
62300	0.4	1.30	88	52	<3	1.13	0.2	35	36	595	2.44	0.24	0.58	514	21	0.03	135	0.07	20	<2	<2	46	<5	<3	57
62301	0.1	2.17	111	73	<3	1.70	0.4	73	55	298	1.97	0.31	0.62	459	5	0.04	100	0.07	50	<2	<2	80	<5	<3	141
62302	2.1	1.76	287	80	<3	1.20	0.6	25	55	1283	3.52	0.29	0.80	847	10	0.05	58	0.09	68	<2	<2	55	<5	<3	201
62303	0.1	1.26	31	25	<3	0.94	0.5	4	54	235	1.68	0.19	0.67	497	2	0.02	19	0.05	22	<2	<2	30	<5	<3	73
62304	0.1	0.93	79	13	<3	0.70	0.2	6	42	294	1.52	0.15	0.67	570	4	0.02	17	0.05	20	<2	<2	13	<5	<3	104
62305	0.6	1.12	320	10	<3	0.90	0.3	12	24	578	2.40	0.20	0.66	884	7	0.03	22	0.05	26	<2	<2	11	<5	<3	161
62306	2.1	1.08	213	46	<3	0.72	0.8	15	26	1295	3.29	0.21	0.73	915	12	0.04	26	0.07	24	<2	<2	26	<5	<3	115
62307	2.2	1.66	500	55	<3	1.18	1.0	16	27	1268	3.40	0.28	0.80	896	7	0.05	25	0.09	29	<2	<2	42	<5	<3	125
62308	0.5	1.80	53	122	<3	1.28	0.7	11	13	366	1.98	0.25	0.66	516	3	0.04	18	0.10	32	<2	<2	70	<5	<3	121
62309	0.5	2.54	73	111	<3	1.16	0.5	14	26	355	2.82	1.21	1.02	492	4	0.06	12	0.10	33	<2	<2	62	<5	<3	120
62310	0.9	2.41	79	113	<3	1.04	0.6	17	23	777	3.71	0.27	1.14	650	6	0.05	20	0.10	30	<2	<2	52	<5	<3	113
62311	1.3	1.98	96	87	<3	1.23	0.8	11	22	697	2.10	0.25	0.78	587	12	0.04	29	0.09	55	<2	<2	63	<5	<3	208
62312	1.0	2.14	72	75	<3	0.98	0.7	59	16	538	2.66	0.23	0.90	525	6	0.05	20	0.09	33	<2	<2	50	<5	<3	103
62313	0.2	2.54	60	114	<3	1.10	0.4	194	31	339	3.03	0.25	1.09	479	5	0.05	10	0.09	33	<2	<2	56	<5	<3	101
62314	1.8	2.07	413	98	<3	0.93	0.9	61	22	1148	4.35	0.27	1.01	907	13	0.06	23	0.10	32	<2	<2	44	<5	<3	114
62315	2.4	1.93	468	89	<3	0.87	0.7	69	24	1357	4.35	0.26	0.95	936	19	0.07	25	0.09	29	<2	<2	42	<5	<3	103
62319	4.8	2.38	390	29	3	0.09	2.3	20	40	1612	8.55	0.28	0.51	1820	17	0.09	40	0.08	76	<2	<2	8	<5	<3	260
62320	6.8	2.24	569	42	3	0.12	2.8	22	58	2195	7.96	0.27	0.54	2990	27	0.14	35	0.09	70	<2	<2	8	<5	<3	296
62321	2.7	0.46	689	18	3	0.11	2.4	16	30	1463	8.34	0.27	0.11	2154	31	0.27	29	0.09	25	<2	<2	3	<5	<3	103
62322	5.7	0.70	530	19	4	0.09	2.2	22	30	2156	8.97	0.29	0.27	1909	12	0.16	29	0.07	40	<2	3	4	<5	<3	145
62325	4.6	2.41	98	20	4	0.19	5.8	19	91	1288	8.39	1.24	0.99	2900	5	0.08	67	0.10	114	<2	<2	6	<5	<3	819
62326	8.7	3.25	172	15	5	0.15	6.7	19	34	2210	>10.00	1.34	1.02	2160	5	0.10	41	0.11	215	<2	<2	4	<5	<3	589
62327	8.7	2.84	153	15	4	0.15	5.1	18	29	2478	9.49	0.32	0.81	2519	9	0.09	39	0.12	138	<2	<2	6	<5	<3	552
62328	21.3	2.43	209	14	5	0.16	4.4	15	26	3574	9.70	0.32	0.64	2328	12	0.08	46	0.14	242	<2	<2	6	<5	<3	547
62329	12.2	1.58	149	17	5	0.10	6.0	17	63	3977	>10.00	0.35	0.38	6601	7	0.05	58	0.09	143	<2	<2	9	<5	<3	768
62333	3.7	3.54	54	8	5	0.23	1.3	23	23	1473	>10.00	0.40	1.51	4020	<1	0.07	40	0.10	59	<2	<2	3	<5	<3	104
62338	0.5	3.72	29	135	<3	1.38	3.5	21	203	316	6.01	1.35	1.89	2365	1	0.08	118	0.07	155	<2	<2	66	<5	<3	638
62349	11.7	4.50	51	10	6	0.55	10.2	26	35	4124	>10.00	0.47	2.04	4159	38	0.07	48	0.23	271	<2	<2	5	<5	<3	1238
62350	8.5	3.04	33	14	3	1.28	4.3	25	19	5481	8.10	0.44	1.68	3896	16	0.20	43	0.12	174	<2	<2	9	<5	<3	610
62352	1.9	1.79	37	28	<3	0.97	0.4	24	19	2290	4.05	0.27	0.83	1134	9	0.05	37	0.09	53	<2	<2	12	<5	<3	203
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

[illegible] Methods Suggested

REPORT #: 890830 PA BETHLEHEM Proj: Date In: 89/11/23 Date Out:89/11/28 Att: B 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
62353	7.5	2.47	51	17	<3	1.62	1.1	37	27	8777	7.21	1.42	1.24	2139	2	0.19	59	0.20	52	<2	<2	12	<5	<3	190
62354	3.9	2.83	25	68	<3	1.82	0.3	23	41	5051	4.98	1.38	1.05	1536	2	0.12	54	0.12	40	<2	<2	37	<5	<3	169
62355	2.4	2.43	69	47	<3	1.01	1.4	25	57	2230	5.12	0.31	1.08	1459	2	0.08	57	0.07	59	<2	<2	32	<5	<3	325
62357	35.5	3.05	57	17	4	1.14	11.5	42	19	16599	9.81	0.47	1.29	2720	<1	0.17	68	0.16	289	<2	<2	8	<5	<3	1469
62371	2.5	2.17	57	23	<3	0.99	0.8	42	22	3150	6.47	0.34	1.18	1403	40	0.13	28	0.10	47	<2	<2	10	<5	<3	185
62372	3.0	2.40	42	47	<3	1.20	1.4	27	40	3123	5.06	0.33	1.05	1209	11	0.13	38	0.09	52	<2	<2	32	<5	<3	326
62374	3.8	2.49	129	25	3	1.01	1.4	57	44	3928	8.12	0.40	1.36	1617	91	0.28	48	0.11	51	<2	<2	10	<5	<3	157
62375	3.2	2.15	107	22	3	0.85	1.6	51	36	3588	7.26	1.31	1.21	1623	48	0.15	46	0.09	87	<2	<2	9	<5	<3	260
62380	7.0	2.04	323	24	<3	0.78	4.5	43	44	2289	5.89	0.30	1.13	2223	193	0.53	30	0.07	210	<2	<2	11	<5	<3	610
62381	1.1	1.14	169	16	<3	0.67	1.3	16	33	583	2.31	1.12	0.72	727	60	0.10	31	0.05	64	<2	<2	12	<5	<3	385
62382	0.5	1.16	38	14	<3	0.90	1.2	10	30	503	2.02	0.19	0.67	658	112	0.09	30	0.07	50	<2	<2	18	<5	<3	385
62383	0.3	2.28	22	39	<3	1.55	0.7	15	76	221	2.25	0.30	0.84	594	24	0.06	81	0.07	49	<2	<2	63	<5	<3	121
62384	0.3	2.59	34	28	<3	2.06	0.5	21	54	319	3.17	0.40	1.16	843	58	0.08	88	0.16	71	<2	<2	67	<5	<3	325
62385	0.6	1.55	59	21	<3	1.31	0.4	14	55	182	1.73	0.25	0.77	510	12	0.05	54	0.12	42	<2	<2	43	<5	<3	143
62386	0.2	1.20	63	18	<3	1.40	0.8	10	48	137	1.61	0.25	0.69	576	8	0.03	60	0.10	40	<2	<2	29	<5	<3	213
62387	0.4	1.11	68	8	<3	1.91	0.6	7	70	221	1.99	1.29	0.71	801	7	0.04	20	0.13	36	<2	<2	20	<5	<3	133
62388	0.1	1.06	38	8	<3	1.87	0.5	6	62	82	1.48	0.32	0.63	642	10	0.03	17	0.13	24	<2	<2	19	<5	<3	104
62389	0.4	1.46	91	41	<3	1.56	0.9	15	59	417	1.68	0.28	0.69	653	15	0.04	63	0.09	35	<2	<2	51	<5	<3	206
62390	0.6	2.12	111	146	<3	1.69	0.2	12	61	197	1.83	0.31	0.95	842	3	0.04	74	0.06	77	<2	<2	85	<5	<3	251
62391	0.5	2.64	88	110	<3	2.15	0.8	13	68	217	2.63	0.40	1.22	821	4	0.06	61	0.13	53	<2	<2	105	<5	<3	193
62392	0.6	2.95	83	106	<3	2.37	0.4	26	66	167	2.29	0.42	1.04	848	2	0.06	72	0.13	75	<2	<2	105	<5	<3	195
62393	0.3	3.42	37	39	<3	1.83	0.7	16	54	128	2.23	0.34	0.90	625	2	0.08	54	0.11	39	<2	<2	103	<5	<3	125
62394	0.2	4.05	16	58	<3	2.01	0.2	7	52	69	1.29	0.34	0.79	383	1	0.08	33	0.09	39	<2	<2	136	<5	<3	116
62395	2.4	4.04	1137	76	<3	2.18	3.2	10	73	453	2.74	0.41	0.88	1054	2	0.06	51	0.07	97	<2	<2	120	<5	<3	268
62396	2.3	1.45	1179	17	<3	1.04	4.5	18	33	324	3.17	0.25	0.71	1090	4	0.03	31	0.06	182	<2	<2	20	<5	<3	379
62397	1.1	1.48	250	43	<3	0.77	0.9	11	36	216	2.24	0.18	0.71	663	7	0.03	15	0.04	85	<2	<2	42	<5	<3	270
62398	0.9	1.30	86	59	<3	1.18	0.9	12	46	281	2.42	0.25	0.62	685	5	0.03	20	0.06	42	<2	<2	52	<5	<3	232
62399	0.8	1.39	108	79	<3	0.47	0.3	10	54	325	2.61	0.15	0.75	656	2	0.04	14	0.04	56	<2	<2	53	<5	<3	259
62400	1.3	1.40	72	101	<3	0.59	0.6	10	34	408	2.51	0.17	0.65	606	5	0.04	26	0.05	49	<2	<2	65	<5	<3	192
62401	0.5	1.08	24	54	<3	1.19	0.5	11	40	281	2.22	0.24	0.51	536	6	0.03	23	0.06	29	<2	<2	42	<5	<3	144
62402	0.6	0.90	31	19	<3	1.85	1.0	7	41	205	1.96	0.33	0.57	686	24	0.03	20	0.07	39	<2	<2	25	<5	<3	243
62403	1.6	1.57	132	49	<3	1.50	0.2	14	38	478	3.55	0.33	0.83	996	9	0.03	23	0.07	59	<2	<2	39	<5	<3	242
62404	0.2	1.91	53	69	<3	1.31	0.4	12	10	92	2.32	0.26	0.72	498	1	0.02	16	0.04	25	<2	<2	76	<5	<3	87
62405	0.2	3.49	37	54	<3	1.32	0.9	14	14	102	3.91	0.32	1.14	490	1	0.04	36	0.09	39	<2	<2	103	<5	<3	118
62406	0.1	5.49	21	30	<3	1.98	1.0	15	12	122	5.33	0.46	1.55	532	1	0.07	21	0.20	53	<2	<2	135	<5	<3	170
62407	0.6	3.81	36	40	<3	1.18	0.9	8	17	230	3.96	0.30	1.20	663	3	0.05	25	0.13	44	<2	<2	87	<5	<3	102
62408	0.3	3.17	32	40	<3	0.94	0.7	13	13	158	3.39	0.25	0.94	422	1	0.03	16	0.05	37	<2	<2	124	<5	<3	85
62409	0.2	2.69	37	54	<3	0.80	0.5	14	11	136	2.60	0.20	0.70	328	8	0.03	25	0.05	29	<2	<2	77	<5	<3	57
62410	0.1	3.51	30	46	<3	0.99	0.2	16	14	108	3.41	0.26	0.75	349	<1	0.05	17	0.04	36	<2	<2	159	<5	<3	55
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

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

REPORT #: 890830 PA BETHLEHEM Proj: Date In: 89/11/23 Date Out:89/11/28 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
62411	0.6	2.41	53	41	<3	0.70	0.4	13	15	360	3.59	0.21	0.76	629	1	0.03	30	0.05	46	<2	<2	55	<5	<3	106
62412	0.3	2.79	126	41	<3	0.85	0.5	14	13	179	3.45	0.23	0.76	518	2	0.04	26	0.03	40	<2	<2	76	<5	<3	48
62413	0.1	4.63	37	36	<3	1.52	0.4	16	14	220	4.12	0.36	0.70	460	2	0.06	27	0.06	51	<2	<2	139	<5	<3	60
62414	0.3	3.97	37	41	<3	1.25	0.5	15	19	105	3.44	0.29	0.71	365	<1	0.05	35	0.04	42	<2	<2	109	<5	<3	72
62415	1.7	3.44	59	48	<3	1.12	0.6	16	19	558	4.74	0.31	0.80	640	2	0.04	39	0.07	64	<2	<2	89	<5	<3	147
62416	0.2	3.63	40	41	<3	1.40	0.4	14	12	143	3.98	1.29	0.73	391	<1	0.04	25	0.05	42	<2	<2	162	<5	<3	97
62417	0.3	3.70	407	37	<3	1.50	0.1	17	10	147	4.39	0.36	0.72	410	<1	0.04	38	0.07	46	<2	<2	105	<5	<3	57
62418	0.1	3.20	99	45	<3	1.08	0.7	15	15	120	3.79	0.28	0.74	402	<1	0.03	120	0.05	41	<2	<2	71	<5	<3	51
62419	1.1	2.92	76	41	<3	0.91	0.9	15	13	288	4.54	0.27	0.83	543	<1	0.03	36	0.05	48	<2	<2	50	<5	<3	108
62420	0.3	4.05	15	34	<3	1.47	0.4	14	10	95	4.10	0.34	0.75	388	<1	0.04	21	0.04	44	<2	<2	82	<5	<3	49
62421	0.2	3.32	18	43	<3	0.99	0.2	12	14	70	3.53	0.25	0.72	323	<1	0.03	22	0.04	36	<2	<2	74	<5	<3	53
62422	0.1	3.60	24	36	<3	1.22	0.2	13	9	94	3.92	0.30	0.76	427	<1	0.04	21	0.10	44	<2	<2	82	<5	<3	74
62423	2.4	2.04	212	126	<3	0.20	0.8	19	31	1604	3.32	0.13	0.81	741	9	0.08	27	0.07	43	<2	<2	27	<5	<3	142
62424	1.1	1.80	199	33	<3	0.19	0.8	13	21	1656	3.28	0.13	0.74	921	4	0.07	18	0.05	34	<2	<2	7	<5	<3	166
62425	1.3	1.64	95	24	<3	0.18	0.5	10	22	1822	2.88	0.11	0.65	1019	6	0.13	11	0.05	34	<2	<2	5	<5	<3	159
62426	0.8	1.75	104	19	<3	0.15	0.7	10	20	1274	3.23	0.12	0.67	1033	6	0.10	12	0.05	44	<2	<2	3	<5	<3	168
62427	0.7	1.39	46	18	<3	0.10	0.7	7	18	687	2.60	0.09	0.61	1130	4	0.07	21	0.04	39	<2	<2	3	<5	<3	116
62428	0.3	1.16	16	17	<3	0.14	0.7	4	34	233	1.96	0.08	0.59	513	3	0.04	7	0.04	32	<2	<2	4	<5	<3	99
62429	1.6	1.55	45	19	<3	0.11	0.2	7	36	369	3.25	0.11	0.69	579	11	0.33	12	0.05	39	<2	<2	5	<5	<3	100
62430	6.5	1.95	156	31	<3	0.13	0.5	17	27	3044	5.15	0.18	0.80	982	27	0.47	27	0.06	63	<2	<2	12	<5	<3	210
62431	6.0	2.12	154	42	<3	0.16	1.1	15	30	2931	5.45	0.19	0.88	1057	35	0.43	32	0.06	65	<2	<2	11	<5	<3	258
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

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

VGC VANGEOCHEM LAB LIMITED

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

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

GEOCHEMICAL ANALYTICAL REPORT

CLIENT: BETHLEHEM RESOURCES CORP.
ADDRESS: 860 - 808 W. Hastings St.
: Vancouver, BC
: V6C 2X4

DATE: NOV. 21 1989
REPORT#: 890827 GA
JOB#: 890827

PROJECT#: GIANT COPPER
SAMPLES ARRIVED: NOV. 16 1989
REPORT COMPLETED: NOV. 21 1989
ANALYSED FOR: Au (FA/AAS) ICP

INVOICE#: 890827 NA
TOTAL SAMPLES: 128
SAMPLE TYPE: 45R & 83 DRILL CUT
REJECTS: SAVED

SAMPLES FROM: MR. BRIAN KYNOCH
COPY SENT TO: BETHLEHEM RESOURCES CORP.

PREPARED FOR: MR. BRIAN KYNOCH

ANALYSED BY: VGC Staff

SIGNED: _____

GENERAL REMARK: None

VGC VANGEOCHEM LAB LIMITED

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RENO, NEVADA, U.S.A.

REPORT NUMBER: 890827 GA JOB NUMBER: 890827 BETHLEHEM RESOURCES CORP.

SAMPLE #	Au ppb
62113	100
62114	30
62115	40
62116	190
62117	100
62118	60
62119	20
62120	10
62121	40
62122	30
62123	20
62124	nd
62125	nd
62126	40
62127	100
62128	20
62129	60
62130	100
62131	50
62132	nd
62133	130
62134	120
62135	460
62136	30
62137	180
62138	10
62139	80
62140	20
62141	50
62142	110
62143	70
62144	230
62145	170
62146	nd
62147	70
62148	70
62149	40
62150	40
62151	30
DETECTION LIMIT	5

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

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SAMPLE #	Au ppb
62152	50
62153	60
62154	80
62155	> 10000
62156	180
62157	190
62158	430
62159	700
62160	150
62161	200
62162	340
62163	180
62164	60
62165	150
62166	140
62167	280
62168	1050
62169	70
62170	400
62171	330
62172	120
62173	540
62174	500
62175	240
62176	50
62177	230
62178	1200
62179	90
62180	430
62181	120
62182	60
62183	90
62184	250
62185	170
62186	110
62187	220
62188	160
62189	180
62190	180
DETECTION LIMIT	5

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

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RENO, NEVADA, U.S.A.

SAMPLE #	Au ppb
62191	330
62192	50
62193	50
62194	20
62195	70
66954	80
66958	50
66959	60
66960	20
66961	80
66962	1670
66963	80
66964	310
66965	130
66966	90
66967	150
66968	3100
66969	110
66970	760
66971	1150
66972	120
66973	130
66974	80
66975	70
66976	50
66977	80
66978	40
66979	50
66980	200
66981	120
66982	110
66983	80
66984	410
66985	90
66986	70
66987	40
66988	10
66989	20
66990	10
DETECTION LIMIT	5

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

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SAMPLE #	Au ppb
66991	20
66992	70
66993	40
66994	nd
66995	nd
66996	nd
66997	nd
66998	20
66999	20
67000	nd
NO NAME	20

DETECTION LIMIT 5

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

[redacted]

Ph:(604)251-5656 Fax:(6[illegible])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 #: 890827 PA BETHLEHEM Proj: GIANT COPPER Date In: 89/11/16 Date Out:89/11/21 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
62113	2.1	2.33	98	16	7	0.43	12.8	23	447	772	>10.00	0.49	2.22	5501	11	0.03	263	0.08	54	<2	<2	6	<5	<3	1457
62114	1.8	1.76	127	16	4	0.52	7.9	20	303	810	>10.00	0.46	1.99	4778	5	0.03	160	0.13	39	<2	<2	6	<5	<3	813
62115	17.9	2.30	91	14	7	0.47	6.0	23	191	8970	>10.00	0.52	2.12	4857	2	0.03	117	0.16	42	<2	<2	5	<5	<3	469
62116	10.0	2.24	165	26	3	0.91	4.0	40	43	4529	8.03	0.38	1.38	2290	16	0.03	73	0.16	54	<2	<2	15	<5	<3	366
62117	1.8	2.65	49	91	<3	1.35	1.0	33	31	604	4.43	0.33	0.97	716	4	0.03	37	0.15	31	<2	<2	49	<5	<3	136
62118	3.2	2.11	229	60	3	1.24	2.7	32	37	1247	7.26	0.41	1.38	2596	5	0.03	39	0.15	33	<2	<2	37	<5	<3	178
62119	2.1	2.41	25	50	<3	1.48	2.0	23	30	684	3.99	0.34	1.09	846	2	0.04	27	0.15	41	<2	<2	56	<5	<3	270
62120	3.4	2.58	80	33	4	0.75	3.1	22	44	1543	8.84	0.38	1.53	2590	22	0.05	47	0.11	73	<2	<2	19	<5	<3	250
62121	3.3	3.14	77	121	3	1.01	5.0	30	321	1028	7.38	0.38	2.23	2340	6	0.02	136	0.08	115	<2	21	40	<5	<3	563
62122	3.0	3.26	75	88	4	1.51	2.4	29	371	1104	7.62	0.46	2.82	3029	2	0.02	166	0.07	47	<2	<2	44	<5	<3	220
62123	1.0	3.95	33	166	<3	1.60	0.8	19	385	409	3.35	0.35	2.69	815	2	0.04	162	0.08	32	<2	<2	106	<5	<3	110
62124	2.3	3.99	8	112	4	1.37	6.0	20	329	518	6.80	0.41	2.78	2417	3	0.10	130	0.07	110	<2	<2	55	<5	<3	792
62125	1.4	3.53	9	74	<3	1.98	0.8	16	107	277	3.59	0.40	1.31	752	3	0.04	48	0.07	36	<2	<2	82	<5	<3	98
62126	1.7	3.51	25	118	<3	1.63	1.3	21	199	399	3.82	0.01	1.62	989	5	0.04	103	0.09	40	<2	<2	95	<5	<3	163
62127	1.6	1.32	54	67	4	0.98	3.1	12	224	260	8.27	0.40	1.77	3136	7	0.05	114	0.21	48	<2	<2	21	<5	<3	234
62128	1.0	0.64	230	21	4	0.96	2.1	16	40	278	9.80	0.45	1.57	4170	31	0.10	36	0.15	29	<2	<2	10	<5	<3	105
62129	1.3	0.63	294	20	4	0.97	3.0	17	37	288	9.94	0.45	1.58	4222	30	0.10	36	0.16	31	<2	<2	10	<5	<3	107
62130	11.7	1.88	121	23	5	0.62	4.6	32	155	5779	>10.00	0.42	1.68	3308	5	0.03	93	0.13	39	<2	2	11	<5	<3	381
62131	3.7	1.24	304	30	5	0.83	3.5	22	31	1937	>10.00	0.52	1.49	4365	6	0.03	40	0.22	36	<2	<2	11	<5	<3	144
62132	0.6	1.14	119	37	5	1.59	2.4	12	154	325	>10.00	0.58	1.83	6224	6	0.02	96	0.07	33	<2	<2	28	<5	<3	104
62133	11.0	0.90	186	30	5	0.56	3.0	23	111	7239	>10.00	0.45	1.21	3537	31	0.05	102	0.12	37	<2	4	10	<5	<3	114
62134	1.4	0.39	168	11	3	0.65	1.6	5	125	547	8.19	0.35	1.05	3645	7	0.06	58	0.13	27	<2	<2	6	<5	<3	64
62135	2.1	1.69	83	38	4	1.59	2.4	17	76	923	7.97	0.48	1.33	3151	6	0.03	61	0.10	32	<2	<2	41	<5	<3	149
62136	6.5	1.93	75	21	6	0.38	4.8	15	92	3724	>10.00	0.45	1.67	3703	8	0.04	52	0.12	38	<2	<2	6	<5	<3	332
62137	1.5	0.72	210	22	4	0.52	2.4	16	35	978	>10.00	0.40	1.32	3768	16	0.05	32	0.10	40	<2	<2	7	<5	<3	93
62138	3.5	0.53	153	20	5	0.58	3.2	25	50	1584	>10.00	0.41	1.36	4298	6	0.02	56	0.09	38	<2	2	7	<5	<3	137
62139	3.0	0.63	110	21	3	0.45	2.2	19	18	1318	7.35	0.29	0.89	2495	9	0.03	37	0.14	33	<2	<2	6	<5	<3	147
62140	0.6	0.45	440	20	5	0.65	2.7	23	66	167	>10.00	0.46	1.40	4114	9	0.02	51	0.19	31	<2	2	6	<5	<3	22
62141	1.2	2.73	75	312	3	1.75	1.4	24	275	605	6.11	0.45	2.43	1835	8	0.02	127	0.11	41	<2	<2	44	<5	<3	120
62142	1.6	1.72	117	42	4	3.35	2.2	26	81	550	8.24	0.75	2.43	3608	4	0.05	54	0.28	48	<2	<2	32	<5	<3	153
62143	4.0	0.83	68	32	3	1.44	1.7	15	61	1349	7.57	0.45	1.42	2212	5	0.09	31	0.15	36	<2	<2	34	<5	<3	111
62144	4.1	0.60	64	28	<3	0.63	1.5	10	22	2060	5.74	0.27	0.93	1983	8	0.03	22	0.11	28	<2	2	9	<5	<3	79
62145	7.9	1.15	159	33	5	0.93	3.0	19	55	3953	>10.00	0.47	1.55	3893	15	0.03	50	0.29	44	<2	2	11	<5	<3	190
62146	5.6	0.73	113	26	6	0.98	2.9	13	34	3051	>10.00	0.55	1.75	5884	6	0.02	41	0.33	39	<2	3	9	<5	<3	96
62147	1.0	0.68	753	15	8	1.04	4.2	26	61	560	>10.00	0.67	1.94	7731	6	0.02	59	0.36	40	<2	2	9	<5	<3	56
62148	0.6	0.70	972	11	8	1.34	4.4	24	140	296	>10.00	0.76	2.18	8896	9	0.02	52	0.32	44	<2	2	10	<5	<3	32
62149	2.7	0.65	784	19	7	0.85	3.1	36	33	1434	>10.00	0.55	1.71	6228	5	0.02	58	0.16	38	<2	3	7	<5	<3	58
62150	4.0	0.62	433	20	6	1.04	2.5	17	55	2321	>10.00	0.50	1.52	4694	6	0.03	61	0.19	34	<2	3	8	<5	<3	72
62151	1.5	0.85	543	28	6	2.00	4.6	15	68	497	>10.00	0.66	2.06	6131	5	0.02	49	0.17	63	<2	2	17	<5	<3	369
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

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

REPORT #: 890827 PA BETHLEHEM Proj: GIANT COPPER Date In: 89/11/16 Date Out:89/11/21 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
62152	2.2	2.03	170	53	5	1.60	6.0	15	86	900	9.90	0.55	1.70	4313	2	0.04	51	0.11	90	<2	<2	48	<5	<3	542
62153	1.2	0.72	568	30	6	1.27	6.4	43	56	419	>10.00	0.58	1.71	5429	8	0.04	37	0.14	33	<2	<2	13	<5	<3	624
62154	1.6	0.47	1551	15	7	2.12	2.4	70	27	1159	>10.00	0.01	2.17	11138	5	0.03	60	0.11	32	<2	<2	13	<5	<3	66
62155	3.5	0.51	>2000	14	38	2.72	0.1	230	29	430	>10.00	0.87	2.18	10435	34	0.02	74	0.22	43	<2	<2	18	<5	<3	88
62156	3.0	2.78	>2000	186	6	2.11	2.9	46	370	582	5.82	0.50	2.34	2226	4	0.03	186	0.10	95	<2	<2	71	<5	<3	434
62157	19.8	0.73	>2000	25	37	1.17	3.1	107	88	3559	7.75	0.41	1.22	2848	21	0.03	69	0.15	355	<2	2	15	<5	<3	439
62158	>50.0	1.27	>2000	31	67	0.80	28.3	171	57	12795	7.44	0.35	0.88	1773	16	0.03	50	0.13	807	<2	4	37	<5	129	2877
62159	>50.0	0.55	>2000	13	54	0.51	6.8	552	50	8386	8.49	0.01	0.94	2572	22	0.03	74	0.10	1037	<2	3	8	<5	456	1118
62160	22.3	1.57	1741	24	23	0.69	10.3	42	68	3203	>10.00	0.01	1.38	3514	11	0.04	56	0.17	471	<2	2	19	<5	<3	910
62161	10.4	0.70	>2000	19	14	0.71	4.4	86	31	1543	8.90	0.38	1.23	2539	6	0.03	28	0.12	291	<2	2	11	<5	<3	451
62162	29.5	0.31	>2000	11	47	1.40	8.7	288	33	6498	5.65	0.38	1.03	2156	10	0.03	27	0.10	517	<2	4	19	<5	<3	1227
62163	27.6	0.42	>2000	15	29	1.25	7.1	82	53	6056	6.00	0.01	1.00	2031	18	0.04	35	0.08	450	<2	4	18	<5	<3	871
62164	10.9	0.67	>2000	17	7	1.33	6.2	24	27	2930	7.88	0.44	1.08	2173	11	0.04	39	0.13	282	<2	2	18	<5	<3	850
62165	15.1	0.85	>2000	21	11	0.82	18.4	33	41	3140	>10.00	0.45	1.08	3162	17	0.06	38	0.23	404	<2	2	12	<5	<3	2057
62166	10.3	1.10	>2000	15	8	1.90	2.2	69	242	1306	5.18	0.44	1.38	1609	11	0.02	212	0.12	276	<2	2	38	<5	<3	439
62167	19.0	0.47	>2000	16	10	0.84	8.1	100	66	3157	6.87	0.33	0.88	1926	9	0.02	75	0.17	621	<2	6	11	<5	<3	1035
62168	25.0	0.56	>2000	25	14	0.71	0.1	530	44	5650	6.59	0.31	0.65	1414	15	0.02	37	0.16	304	<2	4	10	<5	<3	337
62169	5.1	3.72	1015	184	5	2.61	1.2	38	147	917	6.16	0.58	1.77	1441	6	0.04	56	0.08	119	<2	<2	110	<5	<3	216
62170	18.4	0.62	>2000	18	9	1.62	7.4	121	128	3227	9.60	0.54	1.48	3699	21	0.03	107	0.18	776	<2	3	22	<5	<3	1651
62171	36.5	0.46	>2000	16	8	0.98	30.6	77	38	7777	4.81	0.29	0.73	1255	12	0.02	44	0.14	642	<2	3	13	<5	<3	3404
62172	14.8	0.66	>2000	23	8	0.46	7.5	41	26	2356	8.42	0.33	0.78	2809	34	0.05	52	0.12	442	<2	3	8	<5	<3	881
62173	17.3	0.34	>2000	11	12	0.80	0.1	124	73	2752	4.55	0.26	0.56	1172	31	0.02	37	0.09	278	<2	4	10	<5	<3	147
62174	15.4	0.42	>2000	16	12	2.75	0.1	278	34	2734	5.46	0.57	1.51	1704	35	0.03	68	0.14	282	<2	3	35	<5	<3	258
62175	11.6	0.68	>2000	18	7	0.85	0.1	80	29	2952	7.17	0.34	0.79	1487	30	0.03	120	0.12	140	<2	3	14	<5	<3	228
62176	7.0	0.86	1109	29	7	0.63	6.8	18	38	1334	>10.00	0.46	1.20	3433	39	0.05	51	0.09	295	<2	2	11	<5	<3	676
62177	4.3	0.65	>2000	21	5	1.17	0.1	83	32	1244	7.88	0.41	1.01	2326	58	0.03	122	0.13	95	<2	3	18	<5	<3	313
62178	29.0	0.32	>2000	11	30	2.56	0.1	451	28	5998	7.67	0.61	1.34	1561	601	0.02	59	0.11	338	<2	3	34	<5	175	296
62179	1.0	1.36	651	31	<3	0.66	0.2	36	39	654	4.45	0.23	0.69	277	15	0.02	31	0.10	31	<2	<2	13	<5	<3	84
62180	1.0	1.36	355	95	<3	0.88	0.2	28	130	313	3.33	0.23	1.23	363	8	0.02	65	0.09	26	<2	2	21	<5	<3	82
62181	23.2	2.84	112	22	5	0.16	12.5	45	20	7901	9.38	0.31	1.09	2111	>1000	0.14	48	0.13	298	<2	<2	2	<5	<3	1498
62182	13.8	3.19	164	21	5	0.13	12.0	38	61	5362	9.68	0.32	1.25	3020	996	0.10	46	0.11	236	<2	<2	2	<5	<3	1402
62183	13.3	3.71	230	21	6	0.17	11.5	43	119	5111	>10.00	0.36	1.52	3118	>1000	0.10	53	0.12	265	<2	<2	3	<5	<3	1384
62184	6.5	4.10	158	19	6	0.20	9.6	43	158	1774	>10.00	0.39	2.11	2661	434	0.09	43	0.10	265	<2	<2	5	<5	<3	1061
62185	25.0	2.79	1187	19	5	0.15	13.4	62	34	3620	>10.00	0.35	1.21	1961	610	0.16	45	0.09	461	<2	<2	3	<5	<3	1501
62186	19.7	2.69	595	25	4	0.14	9.9	39	36	3074	8.61	0.28	1.04	1368	275	0.08	32	0.09	359	<2	<2	3	<5	<3	1127
62187	13.2	2.82	453	21	4	0.17	10.1	59	36	2060	9.65	0.32	1.28	2261	144	0.12	35	0.06	406	<2	<2	3	<5	<3	1068
62188	19.5	2.67	414	19	4	0.51	11.7	60	28	2750	8.76	0.34	1.18	2093	236	0.16	35	0.05	531	<2	<2	6	<5	<3	1126
62189	36.0	2.47	443	15	4	0.97	22.9	67	23	5127	9.24	0.43	1.13	2266	493	0.15	53	0.08	1128	<2	<2	10	<5	<3	2406
62190	>50.0	2.44	1204	17	3	0.88	31.5	33	28	9401	7.21	0.35	1.03	1840	729	0.27	53	0.12	1552	<2	<2	9	<5	<3	3692
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

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

REPORT #: 890827 PA BETHLEHEM Proj: GIANT COPPER Date In: 89/11/16 Date Out:89/11/21 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
62191	>50.0	2.76	1254	16	5	0.86	25.8	37	47	9844	8.61	0.39	1.21	2325	>1000	0.34	63	0.12	1314	<2	<2	8	<5	<3	2965
62192	7.0	2.67	193	33	<3	1.15	3.8	25	27	2029	5.74	0.34	1.10	1067	214	0.09	66	0.12	204	<2	<2	23	<5	<3	433
62193	2.4	2.31	50	22	<3	1.39	1.0	18	52	710	3.13	0.30	0.80	646	37	0.04	63	0.12	73	<2	<2	47	<5	<3	235
62194	1.3	1.99	16	19	<3	1.00	0.6	8	40	273	2.69	0.23	0.88	933	95	0.06	26	0.06	84	<2	<2	25	<5	<3	158
62195	1.4	1.99	32	25	<3	0.94	0.4	11	32	467	2.64	0.22	0.82	794	69	0.05	44	0.06	64	<2	<2	26	<5	<3	137
66954	5.7	1.09	539	20	3	0.11	2.5	14	32	357	3.72	0.13	0.22	1296	17	0.01	10	0.06	186	<2	<2	9	<5	<3	365
66958	7.5	2.47	733	77	<3	0.15	9.5	32	33	1994	3.99	0.15	0.80	1892	26	0.02	30	0.08	175	<2	<2	15	<5	<3	587
66959	5.9	2.29	888	42	<3	0.09	8.5	28	35	1829	4.40	0.15	0.74	1723	23	0.02	37	0.07	333	<2	<2	9	<5	<3	541
66960	6.8	1.56	763	34	<3	0.09	5.9	22	22	1120	3.52	0.12	0.55	1075	17	0.01	27	0.07	448	<2	<2	7	<5	<3	413
66961	10.7	3.10	1574	103	3	0.19	7.9	45	24	1829	4.88	0.19	0.82	3269	20	0.02	36	0.09	2151	<2	<2	16	<5	<3	649
66962	35.6	2.71	>2000	224	11	0.24	0.1	21	29	1209	5.05	0.19	0.69	1328	14	0.02	15	0.09	7355	<2	<2	26	<5	<3	544
66963	11.9	2.47	1221	95	<3	0.19	6.1	33	23	1380	4.86	0.18	0.62	2599	16	0.02	24	0.11	542	<2	<2	18	<5	<3	461
66964	17.1	2.73	>2000	138	<3	0.10	3.8	19	29	1240	5.01	0.17	0.78	1000	15	0.02	15	0.09	1778	<2	<2	19	<5	<3	474
66965	13.2	1.90	1308	36	<3	0.08	5.5	29	17	995	4.05	0.14	0.52	1415	10	0.01	9	0.06	598	<2	<2	9	<5	<3	577
66966	21.9	0.79	794	25	<3	0.04	2.4	15	21	1778	4.76	0.15	0.08	1370	10	0.01	7	0.06	870	<2	<2	3	<5	<3	591
66967	>50.0	0.64	>2000	20	3	0.05	9.6	18	20	12954	7.28	0.23	0.11	1289	17	0.02	16	0.06	732	<2	3	4	<5	35	781
66968	>50.0	0.53	>2000	19	6	0.04	0.1	17	43	13958	9.24	0.29	0.04	206	10	0.02	13	0.04	7073	<2	8	15	<5	654	651
66969	30.9	0.46	>2000	9	3	0.03	3.9	8	44	3613	7.95	0.25	0.05	2540	17	0.02	11	0.05	1017	<2	<2	4	<5	<3	719
66970	>50.0	0.50	>2000	15	12	0.05	0.1	12	43	5898	9.12	0.29	0.05	2494	19	0.02	12	0.05	6568	<2	7	12	<5	>1000	699
66971	>50.0	0.75	>2000	20	10	0.05	0.1	8	31	3701	8.62	0.27	0.12	541	29	0.02	14	0.06	2778	<2	3	12	<5	163	330
66972	37.5	0.71	>2000	17	<3	0.05	0.5	5	19	2094	5.38	0.17	0.12	502	17	0.01	21	0.05	888	<2	<2	8	<5	<3	206
66973	12.1	0.73	1899	14	<3	0.06	12.2	45	29	1133	5.74	0.19	0.13	2109	11	0.02	24	0.06	1059	<2	<2	3	<5	<3	1430
66974	15.4	0.78	>2000	12	<3	0.05	2.0	27	24	897	5.81	0.18	0.09	989	17	0.02	15	0.06	1217	<2	<2	5	<5	<3	848
66975	25.9	0.64	1841	13	4	0.05	9.9	35	39	1664	7.41	0.24	0.07	3081	45	0.02	19	0.06	1690	<2	<2	4	<5	<3	1410
66976	7.3	1.09	1009	21	<3	0.08	2.3	14	28	581	3.77	0.13	0.20	1011	23	0.01	15	0.06	476	<2	<2	6	<5	<3	409
66977	11.2	1.57	1320	43	<3	0.18	1.6	21	25	1011	4.16	0.15	0.49	1238	12	0.02	26	0.06	336	<2	<2	15	<5	<3	447
66978	11.8	1.62	1246	37	3	0.15	3.1	19	29	1101	4.77	0.17	0.54	1684	12	0.02	24	0.07	427	<2	<2	16	<5	<3	617
66979	8.8	1.70	962	39	<3	0.19	2.0	18	28	774	3.64	0.14	0.51	1126	9	0.02	21	0.06	299	<2	<2	20	<5	<3	418
66980	11.4	1.67	1045	52	3	0.14	3.0	21	28	967	4.46	0.16	0.53	1375	12	0.02	22	0.06	328	<2	<2	14	<5	<3	456
66981	14.4	1.60	1469	33	3	0.13	2.9	23	43	1130	5.01	0.18	0.38	1389	14	0.02	22	0.06	498	<2	<2	16	<5	<3	556
66982	13.8	1.77	1380	38	<3	0.14	1.2	23	34	1166	4.27	0.15	0.45	1266	21	0.02	28	0.07	386	<2	<2	19	<5	<3	418
66983	9.8	2.33	1290	46	<3	0.32	1.5	28	44	1293	5.21	0.21	0.74	1541	22	0.03	32	0.09	296	<2	<2	33	<5	<3	411
66984	7.1	2.39	1116	48	<3	0.21	1.0	30	79	1563	4.35	0.17	0.70	1225	34	0.03	46	0.08	196	<2	<2	27	<5	<3	347
66985	6.6	2.42	1081	45	<3	0.22	0.6	24	38	1858	4.17	0.16	0.70	899	29	0.03	33	0.09	130	<2	<2	29	<5	<3	272
66986	5.5	1.98	1225	48	<3	0.19	0.3	25	34	1577	4.11	0.16	0.51	986	32	0.03	34	0.08	118	<2	<2	27	<5	<3	254
66987	5.9	2.27	1066	42	<3	0.22	1.4	22	59	1504	4.36	0.17	0.61	1088	27	0.03	31	0.07	156	<2	<2	29	<5	<3	275
66988	3.3	2.35	78	21	<3	0.40	4.6	14	19	91	2.35	0.13	0.79	1125	3	0.02	14	0.05	443	<2	<2	29	<5	<3	615
66989	1.6	2.03	29	19	<3	0.41	1.9	13	24	55	1.98	0.12	0.64	922	3	0.02	18	0.10	233	<2	3	32	<5	<3	609
66990	2.5	2.37	30	32	<3	0.34	7.4	15	27	37	2.85	0.14	0.73	2199	2	0.02	31	0.05	348	<2	<2	24	<5	<3	681
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

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

REPORT #: 890827 PA BETHLEHEM Proj: GIANT COPPER Date In: 89/11/16 Date Out:89/11/21 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
66991	1.2	2.09	15	19	<3	0.24	4.3	10	26	30	2.30	0.11	0.70	1837	2	0.02	11	0.06	243	<2	<2	14	<5	<3	757
66992	1.1	1.88	5	10	<3	0.14	6.7	5	14	30	2.39	0.10	0.71	1773	2	0.02	12	0.05	248	<2	<2	9	<5	<3	959
66993	0.9	2.25	4	15	<3	0.16	6.6	4	25	25	2.81	0.11	0.78	2044	2	0.01	5	0.06	190	<2	<2	11	<5	<3	1087
66994	1.2	2.06	3	24	<3	0.22	6.1	10	20	35	2.32	0.11	0.73	1604	2	0.02	14	0.06	339	<2	<2	17	<5	<3	960
66995	1.7	2.42	16	14	<3	0.32	4.4	11	42	43	3.55	0.16	1.18	2368	1	0.02	19	0.09	388	<2	<2	14	<5	<3	969
66996	1.3	2.15	10	10	<3	0.37	6.3	9	23	36	2.78	0.14	0.98	1932	2	0.02	11	0.08	278	<2	<2	19	<5	<3	1188
66997	1.0	1.61	13	8	<3	0.17	2.8	8	19	32	2.04	0.09	0.60	1215	1	0.02	17	0.04	287	<2	<2	12	<5	<3	800
66998	1.6	1.89	7	9	<3	0.41	1.8	10	23	43	2.39	0.13	0.73	1500	2	0.02	11	0.06	264	<2	2	19	<5	<3	728
66999	1.3	2.56	49	45	<3	0.65	1.4	18	30	66	2.27	0.17	0.51	581	5	0.03	15	0.08	114	<2	<2	83	<5	<3	191
67000	1.1	2.67	40	25	<3	0.78	1.2	19	18	68	2.53	0.20	0.51	877	6	0.03	19	0.10	125	<2	<2	97	<5	<3	221
NO NAME 66955	5.0	0.66	270	17	<3	0.07	2.4	9	9	263	2.73	0.09	0.09	615	7	0.01	4	0.05	346	<2	<2	9	<5	<3	437
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

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

VGC VANGEOCHEM LAB LIMITED

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

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

ASSAY ANALYTICAL REPORT

CLIENT: BETHLEHEM RESOURCES CORP.
ADDRESS: 860 - 808 W. Hastings St.
: Vancouver, BC
: V6C 2X4

DATE: NOV. 21 1989
REPORT#: 890827 AA
JOB#: 890827

PROJECT#: GIANT COPPER
SAMPLES ARRIVED: NOV. 16 1989
REPORT COMPLETED: NOV. 21 1989
ANALYSED FOR: Au

INVOICE#: 890827 NA
TOTAL SAMPLES: 1
REJECTS/PULPS: 90 DAYS/1 YR
SAMPLE TYPE: 1 DRILL CUT

SAMPLES FROM: MR. BRIAN KYNOCH
COPY SENT TO: BETHLEHEM RESOURCES CORP.

PREPARED FOR: MR. BRIAN KYNOCH

ANALYSED BY: Raymond Chan

SIGNED: Raymond Chan
Registered Provincial Assayer

GENERAL REMARK: None

VGC VANGEOCHEM LAB LIMITED

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

REPORT NUMBER: 890827 AA JOB NUMBER: 890827 BETHLEHEM RESOURCES CORP.

SAMPLE #	Au oz/st
62155	.232

DETECTION LIMIT .005

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

signed: _____

VGC VANGEOCHEM LAB LIMITED

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RENO, NEVADA, U.S.A.

GEOCHEMICAL ANALYTICAL REPORT

CLIENT: BETHLEHEM RESOURCES CORP.
ADDRESS: 860 - 808 W. Hastings St.
: Vancouver, BC
: V6C 2X4

DATE: NOV. 15 1989

REPORT#: 890820 GA
JOB#: 890820

PROJECT#: GIANT COPPER
SAMPLES ARRIVED: NOV. 10 1989
REPORT COMPLETED: NOV. 15 1989
ANALYSED FOR: Au (FA/AAS) ICP

INVOICE#: 890820 NA
TOTAL SAMPLES: 32
SAMPLE TYPE: 32 DRILL CUT
REJECTS: SAVED

SAMPLES FROM: MR. BRIAN KYNOCH
COPY SENT TO: BETHLEHEM RESOURCES CORP.

PREPARED FOR: MR. BRIAN KYNOCH

ANALYSED BY: VGC Staff

SIGNED: _____

GENERAL REMARK: None

VGC VANGEOCHEM LAB LIMITED

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

REPORT NUMBER: 890820 GA JOB NUMBER: 890820 BETHLEHEM RESOURCES CORP.

SAMPLE #	Au ppb
62081	70
62082	40
62083	260
62084	140
62085	70
62086	100
62087	180
62088	160
62089	190
62090	120
62091	120
62092	60
62093	100
62094	110
62095	100
62096	240
62097	240
62098	290
62099	170
62100	720
62101	330
62102	110
62103	50
62104	30
62105	40
62106	60
62107	20
62108	20
62109	40
62110	50
62111	20
62112	50

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

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

ICAP GEOCHEMICAL ANALYSIS

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

ANALYST:

REPORT #: 890820 PA | BETHLEHEM | Proj: GIANT COPPER | Date In: 89/11/10 | Date Out:89/11/17 | Att: B KYNOCH | 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
62081	0.8	0.41	1137	20	<3	0.09	3.1	29	27	2239	8.70	0.01	0.23	5475	43	0.12	35	0.08	24	<2	<2	3	<5	<3	118
62082	0.7	0.44	1606	11	<3	0.29	2.4	29	27	317	7.68	0.28	0.61	3684	489	0.10	39	0.18	20	<2	<2	3	<5	<3	33
62083	0.8	0.44	>2000	9	3	0.30	8.3	105	22	259	8.05	0.01	0.85	3173	447	0.09	46	0.14	19	<2	<2	2	<5	<3	29
62084	1.0	0.67	>2000	17	3	0.29	4.9	69	11	494	9.28	0.33	1.17	3871	59	0.04	34	0.10	26	<2	<2	3	<5	<3	141
62085	14.4	2.02	1370	16	<3	0.30	3.5	58	14	6280	9.25	0.33	1.25	3210	387	0.06	46	0.15	48	<2	<2	4	<5	332	317
62086	12.1	3.25	151	14	4	0.25	7.1	26	33	4176	>10.00	0.39	1.90	3632	950	0.11	39	0.10	161	<2	<2	4	<5	<3	775
62087	13.9	2.47	294	15	3	0.25	7.1	37	15	5107	>10.00	0.35	1.58	3445	590	0.10	37	0.11	154	<2	<2	4	<5	<3	806
62088	20.1	2.66	132	13	3	0.36	7.1	47	18	6818	>10.00	0.01	1.66	3290	712	0.10	39	0.13	189	<2	<2	4	<5	76	828
62089	18.1	2.44	497	18	<3	0.43	7.8	48	21	6851	9.32	0.35	1.38	2781	228	0.06	47	0.10	218	<2	<2	7	<5	<3	921
62090	8.9	2.28	61	17	<3	0.48	4.1	26	17	3217	7.98	0.31	1.23	2413	133	0.05	30	0.12	104	<2	<2	6	<5	<3	508
62091	20.3	1.63	149	15	<3	0.37	6.3	31	16	6605	>10.00	0.36	1.29	3394	114	0.05	38	0.10	73	<2	<2	5	<5	<3	737
62092	6.7	1.52	129	15	<3	0.30	5.1	24	42	2826	9.14	0.32	1.11	3137	112	0.05	34	0.11	46	<2	<2	4	<5	<3	641
62093	8.6	1.12	744	12	3	0.44	4.5	31	19	3559	9.64	0.37	1.19	5227	207	0.05	39	0.19	71	<2	<2	4	<5	<3	370
62094	12.1	1.23	205	12	3	0.37	4.1	25	56	5603	>10.00	0.39	1.44	4448	98	0.07	67	0.14	44	<2	2	4	<5	<3	438
62095	3.8	1.73	94	37	<3	0.47	1.9	20	24	2092	6.78	0.28	1.13	2672	45	0.05	37	0.11	64	<2	<2	11	<5	<3	287
62096	13.6	2.62	62	51	<3	0.68	4.1	46	27	7898	8.01	0.34	1.26	1677	19	0.04	84	0.13	88	<2	<2	14	<5	<3	507
62097	24.1	2.99	38	19	<3	0.59	6.3	27	32	10001	9.56	0.38	1.54	2541	16	0.04	80	0.19	138	<2	<2	6	<5	<3	715
62098	20.8	2.21	38	24	<3	2.01	4.9	27	22	10124	7.36	0.53	1.56	3332	13	0.04	63	0.14	165	<2	<2	20	<5	<3	604
62099	9.1	2.28	30	42	<3	1.11	2.5	26	21	5977	6.03	0.35	1.22	1700	25	0.04	48	0.15	69	<2	<2	14	<5	<3	389
62100	14.6	2.83	84	22	<3	1.49	3.5	49	29	10852	8.88	0.01	1.54	2598	14	0.05	81	0.17	86	<2	<2	11	<5	<3	427
62101	22.1	3.30	47	20	3	0.98	11.3	34	77	9416	>10.00	0.49	2.01	4084	30	0.09	88	0.20	232	<2	<2	8	<5	<3	1379
62102	8.3	1.20	276	18	<3	0.56	3.5	20	23	3875	9.75	0.38	1.34	3734	71	0.06	50	0.19	52	<2	<2	5	<5	<3	378
62103	1.2	0.74	659	13	<3	0.39	1.2	25	34	804	8.24	0.31	1.03	3666	94	0.06	34	0.16	28	<2	<2	3	<5	<3	102
62104	0.5	0.53	538	10	<3	0.40	1.7	24	35	301	6.89	0.28	0.87	3895	127	0.11	28	0.20	25	<2	<2	3	<5	<3	147
62105	0.9	0.72	249	14	<3	0.28	0.2	18	12	693	5.97	0.23	0.76	2678	36	0.05	26	0.11	22	<2	<2	3	<5	<3	83
62106	0.4	0.69	1042	12	<3	0.36	1.5	42	31	430	8.86	0.33	1.11	4336	20	0.06	49	0.16	28	<2	<2	3	<5	<3	87
62107	1.5	2.33	192	20	3	0.82	8.1	19	293	949	>10.00	0.49	2.10	7337	14	0.03	124	0.09	45	<2	<2	9	<5	<3	991
62108	0.4	1.07	139	10	<3	0.37	2.1	25	71	288	9.91	0.36	1.28	4164	20	0.10	40	0.17	29	<2	<2	3	<5	<3	176
62109	2.1	1.45	145	15	3	0.49	2.4	26	155	1053	>10.00	0.41	1.41	3974	23	0.04	62	0.24	40	<2	<2	5	<5	<3	159
62110	2.5	1.41	101	15	<3	0.45	5.1	25	132	1039	9.02	0.35	1.18	3889	20	0.05	89	0.19	53	<2	<2	4	<5	<3	554
62111	2.1	1.73	88	18	3	0.49	7.6	18	255	1040	>10.00	0.43	1.56	4986	23	0.04	125	0.19	52	<2	<2	5	<5	<3	903
62112	1.8	2.67	207	15	4	0.52	15.2	23	509	988	>10.00	0.52	2.36	5582	8	0.02	254	0.09	61	<2	<2	6	<5	<3	1908
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

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

VGC VANGEOCHEM LAB LIMITED

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

GEOCHEMICAL ANALYTICAL REPORT

CLIENT: BETHLEHEM RESOURCES CORP.
ADDRESS: 860 - 808 W. Hastings St.
: Vancouver, BC
: V6C 2X4

DATE: NOV. 15 1989
REPORT#: 890819 GA
JOB#: 890819

PROJECT#: GIANT COPPER
SAMPLES ARRIVED: NOV. 10 1989
REPORT COMPLETED: NOV. 15 1989
ANALYSED FOR: Au (FA/AAS) ICP

INVOICE#: 890819 NA
TOTAL SAMPLES: 30
SAMPLE TYPE: 30 DRILL CUT
REJECTS: SAVED

SAMPLES FROM: MR. BRIAN KYNOCH
COPY SENT TO: BETHLEHEM RESOURCES CORP.

PREPARED FOR: MR. BRIAN KYNOCH

ANALYSED BY: VGC Staff

SIGNED: _____

GENERAL REMARK: None

VGC VANGEOCHEM LAB LIMITED

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RENO, NEVADA, U.S.A.

REPORT NUMBER: 890819 GA JOB NUMBER: 890819 BETHLEHEM RESOURCES CORP.

SAMPLE #	Au ppb
62051	20
62052	20
62053	10
62054	nd
62055	70
62056	30
62057	50
62058	30
62059	20
62060	20
62061	50
62062	10
62063	nd
62064	nd
62065	280
62066	70
62067	20
62068	230
62069	100
62070	50
62071	70
62072	140
62073	100
62074	120
62075	80
62076	120
62077	60
62078	250
62079	380
62080	240

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

1988 Triumph Street, [illegible]ver, 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 #: 890819 PA BETHLEHEM Proj: GIANT COPPER Date In: 89/11/10 Date Out:89/11/17 Att: B KYNOCH 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
62051	5.3	0.52	407	12	<3	0.15	0.7	14	31	1787	6.29	1.03	0.37	1625	5	0.13	36	0.10	20	<2	<2	2	<5	<3	47
62052	2.2	0.48	306	12	<3	0.20	0.6	11	41	1045	6.88	1.05	0.39	1731	5	0.11	23	0.13	22	<2	<2	3	<5	<3	50
62053	3.2	0.66	278	20	<3	0.20	1.1	12	26	1577	6.94	1.06	0.49	1944	14	0.06	37	0.10	27	<2	<2	7	<5	<3	83
62054	2.5	0.40	316	12	<3	0.15	0.7	10	34	1033	5.61	0.19	0.23	1117	4	0.12	19	0.11	20	<2	<2	4	<5	<3	34
62055	17.8	0.60	794	10	<3	0.18	1.9	22	21	9124	8.14	1.09	0.61	1751	3	0.09	42	0.11	21	<2	3	2	<5	<3	95
62056	9.3	1.24	301	17	4	0.15	2.5	27	15	3951	>10.00	0.36	1.00	2594	4	0.13	39	0.07	34	<2	2	2	<5	<3	97
62057	5.2	1.11	301	32	<3	0.14	1.2	18	20	2279	6.24	1.03	0.71	1367	4	0.06	36	0.08	35	<2	<2	4	<5	<3	107
62058	4.6	1.24	133	50	<3	0.17	1.9	21	20	2226	8.02	0.27	0.92	2153	4	0.05	40	0.08	44	<2	<2	4	<5	<3	207
62059	23.1	0.80	174	20	3	0.20	2.1	21	16	11584	>10.00	0.37	1.02	2769	2	0.03	54	0.09	27	<2	4	2	<5	<3	88
62060	14.9	0.66	101	34	4	0.23	2.2	15	14	7529	>10.00	0.40	1.19	3236	1	0.05	42	0.09	27	<2	4	3	<5	<3	105
62061	12.9	1.15	176	22	4	0.22	2.4	22	17	5266	>10.00	1.24	1.12	3282	3	0.04	44	0.11	39	<2	2	3	<5	<3	150
62062	6.4	0.61	92	23	4	0.21	2.1	13	14	3097	>10.00	1.20	1.11	3038	1	0.05	32	0.09	27	<2	2	2	<5	<3	78
62063	1.8	0.92	79	26	4	0.23	5.5	20	11	731	>10.00	1.21	1.14	3674	2	0.05	29	0.09	42	<2	<2	3	<5	<3	555
62064	1.1	0.71	117	25	3	0.24	1.1	14	10	411	9.28	0.32	1.07	2834	2	0.03	19	0.08	29	<2	<2	4	<5	<3	128
62065	4.9	0.67	211	18	3	0.25	2.1	16	16	2128	>10.00	1.18	1.04	2557	4	0.05	32	0.12	30	<2	<2	3	<5	<3	121
62066	4.3	0.51	203	15	4	0.31	1.7	13	17	2167	>10.00	0.40	1.11	2782	2	0.05	30	0.15	29	<2	2	2	<5	<3	45
62067	1.2	0.64	130	20	<3	0.34	1.5	12	14	687	9.46	1.16	0.93	2340	3	0.05	26	0.19	29	<2	<2	3	<5	<3	72
62068	0.9	0.50	538	17	<3	0.27	1.5	19	18	259	8.93	0.31	0.88	2242	2	0.04	24	0.13	26	<2	2	3	<5	<3	64
62069	1.1	0.42	726	13	<3	0.25	1.3	22	18	306	6.81	1.06	0.70	1714	2	0.04	28	0.14	22	<2	<2	2	<5	<3	49
62070	0.5	0.41	518	14	<3	0.24	1.3	17	18	230	8.41	0.29	0.82	2005	1	0.05	26	0.11	22	<2	<2	2	<5	<3	50
62071	0.4	0.34	507	11	<3	0.21	1.2	13	19	50	9.41	1.14	0.94	2287	1	0.08	42	0.05	23	<2	<2	2	<5	<3	50
62072	0.5	0.29	543	9	<3	0.17	0.1	18	25	47	5.31	1.01	0.51	1348	1	0.13	18	0.09	17	<2	<2	2	<5	<3	42
62073	1.8	0.33	554	10	<3	0.15	0.6	21	25	577	5.51	1.01	0.51	1423	3	0.10	27	0.08	20	<2	<2	2	<5	<3	45
62074	1.6	0.36	640	11	<3	0.16	0.7	23	26	563	6.12	0.21	0.58	1637	2	0.08	25	0.07	20	<2	<2	2	<5	<3	50
62075	1.8	0.35	758	10	<3	0.16	0.6	23	26	752	5.23	1.00	0.49	1383	3	0.08	28	0.09	20	<2	<2	2	<5	<3	43
62076	1.1	0.31	1059	10	<3	0.17	0.7	28	29	483	6.02	0.21	0.61	1810	1	0.08	26	0.09	20	<2	2	2	<5	<3	43
62077	1.2	0.32	433	10	<3	0.20	0.7	16	26	433	6.49	1.05	0.62	1615	2	0.09	33	0.11	21	<2	<2	2	<5	<3	46
62078	0.5	0.29	>2000	10	<3	0.17	3.4	84	29	282	7.04	1.06	0.65	1886	1	0.08	68	0.08	22	<2	<2	1	<5	<3	29
62079	1.0	0.20	>2000	6	<3	0.14	5.1	118	24	377	6.79	1.05	0.65	2080	2	0.07	102	0.06	20	<2	<2	1	<5	<3	26
62080	9.6	0.25	1468	10	<3	0.23	2.9	57	25	5151	8.93	1.13	0.85	2643	2	0.03	58	0.10	24	<2	3	1	<5	<3	51
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

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

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

N 12000 | N 12000

N 11000 | N 11000

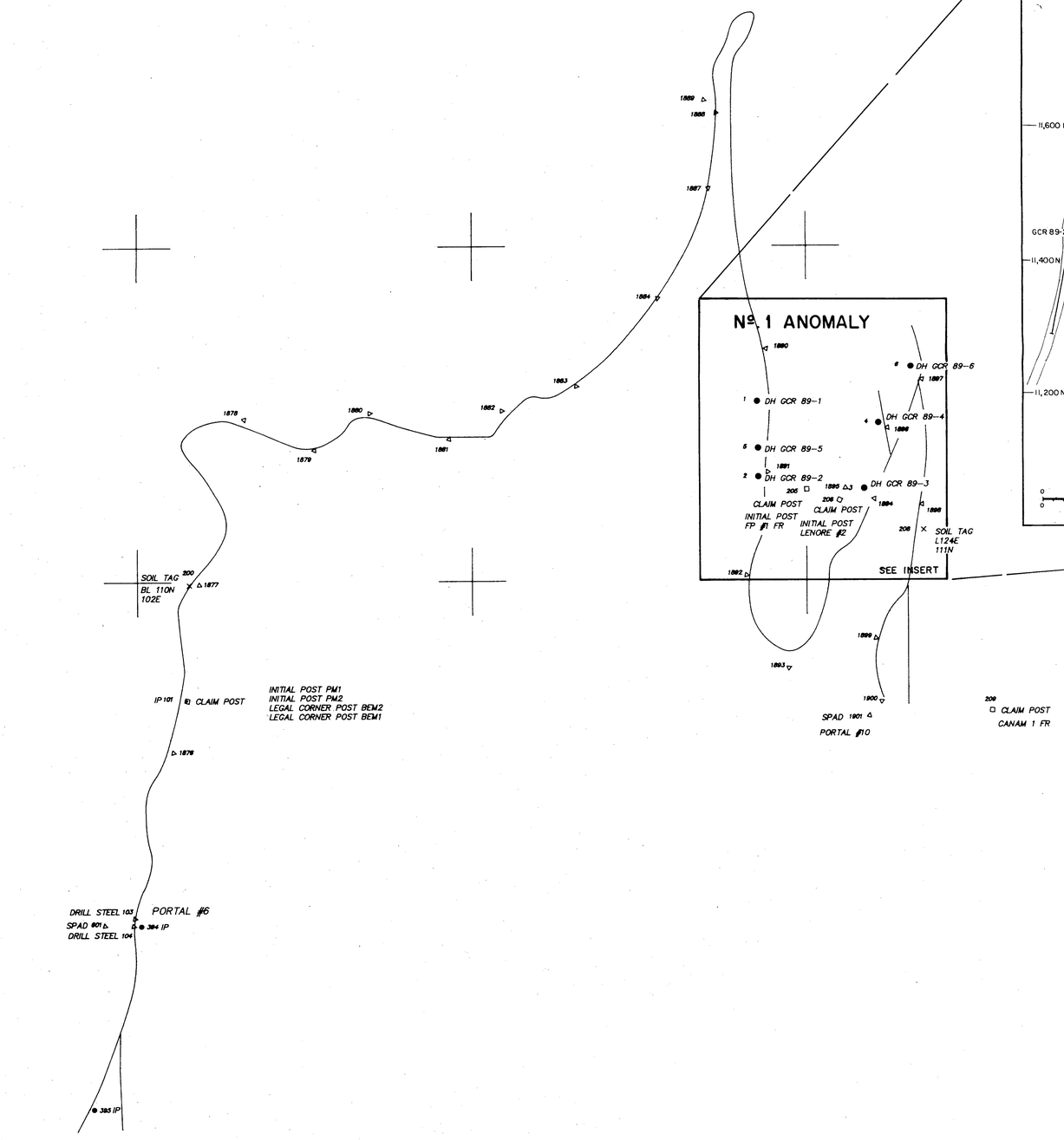
N 10000 | N 10000

N 9000 | N 9000

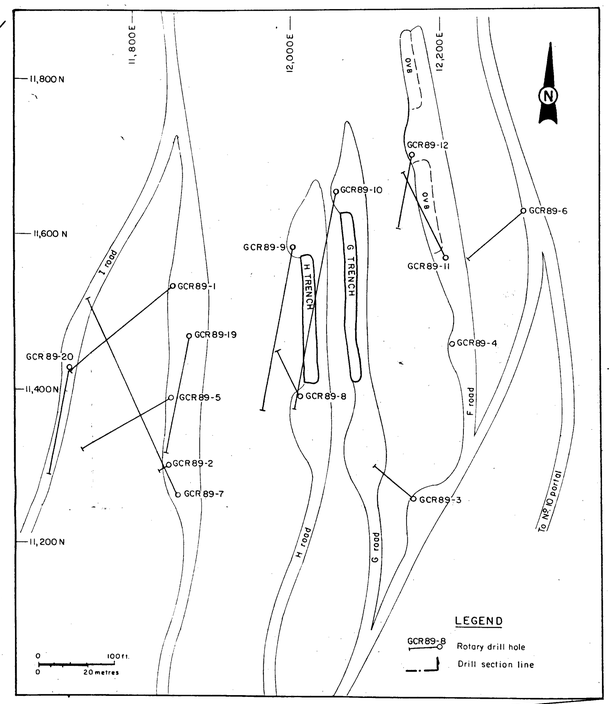
E 9000 | E 10000 | E 11000 | E 12000 | E 13000 | E 14000

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



Nº 1 ANOMALY



GEOLOGICAL BRANCH
ASSESSMENT REPORT

19,878

Part 2 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

9200E

9600E

10000E

100 00N

9600N

9200N

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	9208.4E	5921.9	-45°	270°	98
-3	P41	9694.8N	9293.9E	5888.0	90°	–	322
-4	P49	10007.2N	9295.3E	5889.2	90°	–	334
-5	P49	10006.8N	9289.7E	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	9502.5E	5698.0	90°	–	73
-9	P21	9400.3 N	9598.4 E	5650.6	90°	–	362
-10	P8	9196.3 N	9800.5E	5528.9	90°	–	182
-11	P52	9599.3 N	9797.8 E	5562.5	-50°	270°	447
GCR 88 - 2	P3	9100.0 N	9900.0E	5481.8	90°	–	85
- 2A	P3	9100.0 N	9900.0E	5481.8	90°	–	30
- 3	P21	9400.0 N	9571.0 E	5650.6	-45°	270°	320
- 4	P38	9600.0 N	9600.0E	5650.0	-45°	270°	400
- 5	P50	9100.0 N	9500.0E	5698.0	90°	-	305
- 6	P3	9100.0 N	9900.0E	5481.8	90°	-	55
		1989 DRILLING					
GCR 89 -13	P5	9200.97N	9507.59E	5680.20	-45	270°	235
-14	P30	9504.47 N	9565. 85 E	5656 .22	-45	270°	455
-15	P14	9302.74	9671. 84 E	5595 .57	-45	270°	375
-16	P1	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

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
GCR89-21
GCR89-24
GCR89-25
GCR89-17 P24
GCR89-26
GCR89-15 P14
GCS 88-9 GCR88-3 P21
GCR 89-13 P5
GCS 88-10 P8
GCR89-18 P9
GCR89-22
GCR89-23
GCS 88-8 GCR 88-5 P50
GCR 89-16 P1
GCS 88-7 GCR88-2, 2A,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 P24 P25 P26 P10 P11 P12 P13 P15 P16 F17 P4 P6 P7 P58 P2

OUTLINE OF AM BRECCIA

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

LEGEND

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

GEOLOGICAL BRANCH
ASSESSMENT REPORT

19,878

Part 2 of 2

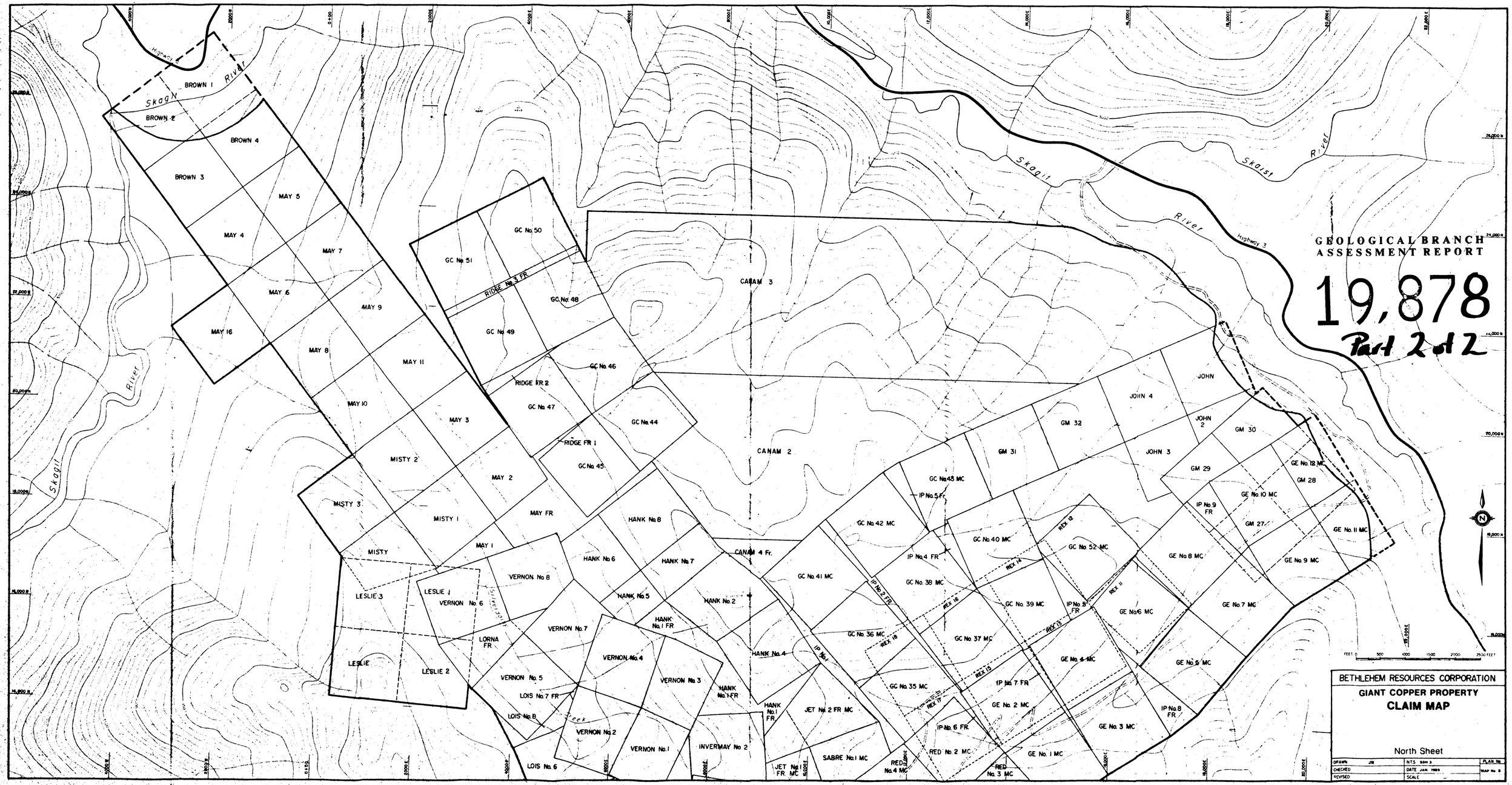
0 50 100 feet
0 10 20 40 metres

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



GEOLOGICAL BRANCH
ASSESSMENT REPORT

19,878

Part 2 of 2

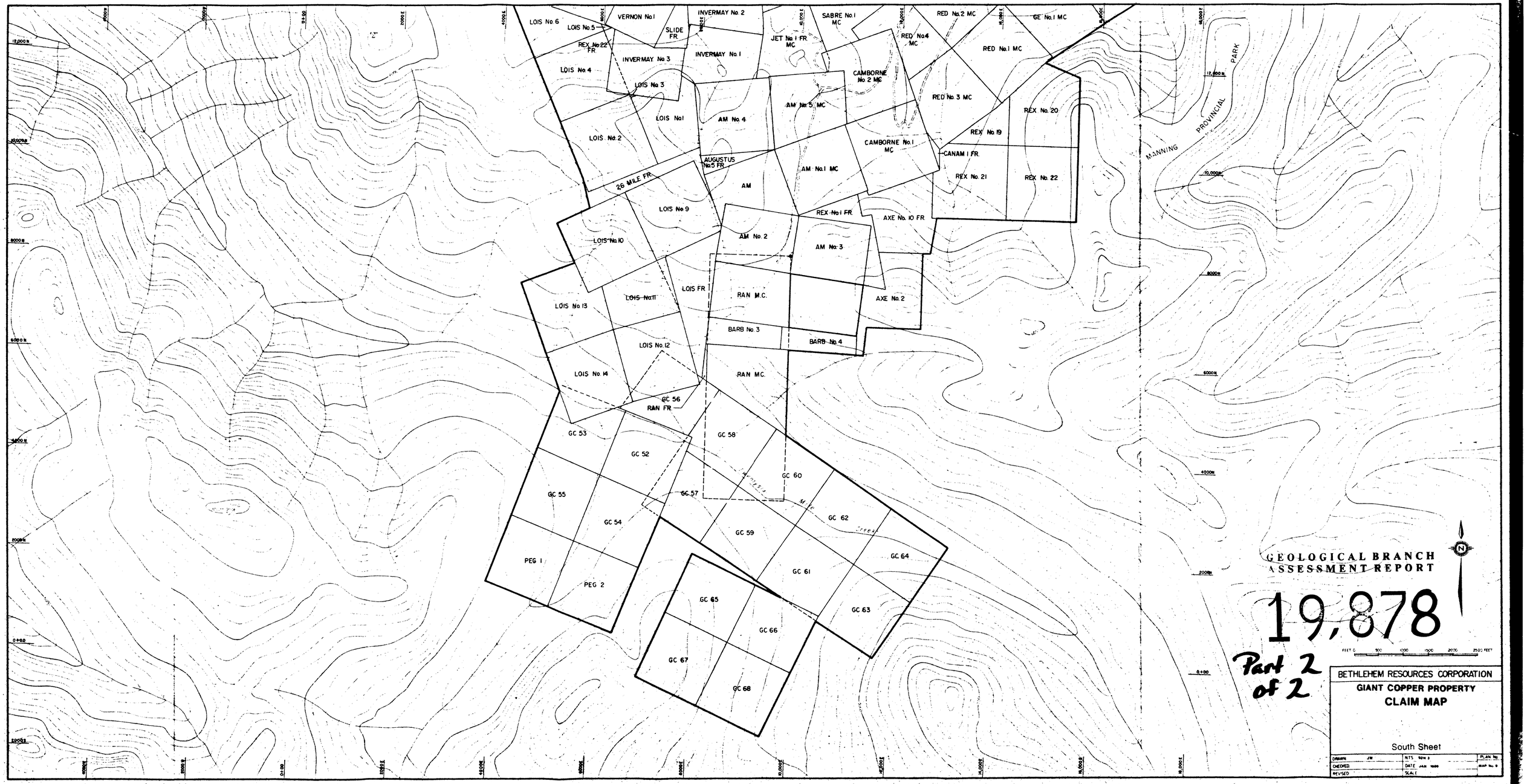
BETHLEHEM RESOURCES CORPORATION

GIANT COPPER PROPERTY

CLAIM MAP

North Sheet

DRAWN	JW	N.T.S. 93H 3	PLAN 316
CHECKED		DATE JAN. 1989	MAP No. 8
REVISED		SCALE	



GEOLOGICAL BRANCH
ASSESSMENT REPORT

19,878

Part 2 of 2

BETHLEHEM RESOURCES CORPORATION

GIANT COPPER PROPERTY

CLAIM MAP

South Sheet

DRAWN	JW	NTS 103N 3	PLAN No.
CHECKED		DATE JAN 1990	MAP No. 9
REVISED		SCALE	