6634

GEOLOGICAL AND GEOCHEMICAL REPORT

on the

PY #1 MINERAL CLAIM

ASHCROFT AREA - KAMLOOPS MINING DIVISION

N.T.S. Sheet - 92I/11E, 14E	UTM Grid - Zone 10
Latitude - 50° 45.5'	North - 5624500
Longitude - 121° 10'	East - 629250

BETHLEHEM COPPER CORPORATION
Suite 2100 - Guinness Tower
1055 West Hastings Street
Vancouver, B.C. V6E 2H8

December 15, 1977

R. J. Nethery, P.Eng.

TABLE OF CONTENTS

SECTION A - SUMMARY OF WORK

Introduction:

The Pyrite property which is comprised of the PY #1 mineral claim was acquired by staking in July 1977. The mineral claim of 20 units covers a prominent gossan located on the south side of the Thompson River near the old C.P. Rail section house at Maharg.

The property was worked as early as 1898 when, as reported in the B.C. Minister of Mines' Annual Report, some 25 m of tunnelling was completed from the track level. The most recent work on the property was performed in 1970 by Placid Oil Company and consisted of geologic mapping, I.P. surveys and the diamond drilling of two holes totalling 273.1 m.

The decision to acquire ground in this area resulted from a regional evaluation of the general Guichon batholith area.

Location and Access:

The property is centred some 9 km N 65° E of the highway bridge at Ashcroft and covers ground on both the north and south sides of the Thompson River. Geographic co-ordinates are 50° 45.5' latitude and 121° 10' longitude with the U.T.M. grid reference being Zone 10, 5624500 North and 629250 East.

The property is accessible by a gravel road that runs from Ashcroft and parallels the C.P. Rail tracks along the south side of the Thompson River. The northern portion of the claim is crossed by both the C.P. Rail and Canadian National transcontinental railway lines.

The location of the PY #1 claim is shown on drawing nos. PP-77-1 and 2 which are appended in Section E.

Topography and Physical Environment:

The PY #1 mineral claim is located on both sides of the Thompson River, one of the major drainage courses of south-central British Columbia. Elevations on the property range from 300 m at river level to 600 m at the northwest corner of the property and 850 m at the southeast corner. The topography could be generally classed as adverse.

The timber cover on the property is confined to the southern half and is very light with the predominant species being ponderosa pine and douglas fir.

Vegetation consists of scrub grasses in and around the timbered areas and sagebrush in the open areas on the northern portion of the claim.

The area could be generally classified as semi-arid and receives less than 30 cm of precipitation annually.

Mineral Title:

The PY #1 mineral claim was recorded by Bethlehem on July 25, 1977 and consists of 20 units. The area covered is some 475 hectares, it being slightly less than full size due to the prior location of another claim on the northwestern boundary.

Geology:

The Pyrite property is mainly underlain on the east by Lower Jurassic, intermediate, intrusive rocks of the Guichon batholith and on the west by Upper Triassic Nicola group volcanics and lesser sediments. The contact between these two rock types trends approximately N.N.W. through the central portion of the property.

On the south side of the Thompson River, the Nicola rock is composed mostly of greenstone with its usual abundance of secondary chlorite and epidote. On the north side of the river, the Nicola rock is porphyritic in spots and does not appear to have suffered so intensively from regional metamorphism. In the central portion of the property adjacent to the contact, an area approximately 50 m by 400 m mostly of Nicola rock, is highly pyritized and forms a distinct gossan which extends south from the railway tracks. The pyrite content of the gossan varies from 2 to 8%.

The intrusive rocks of the Guichon batholith tend to have a gabbro to diorite composition in the immediate vicinity of the contact but in regions more distant, they are more distinctly quartz diorite in composition. The intrusive rocks show little alteration except for moderate chlorite and weak sericite in certain areas near the contact.

Tertiary basalts extensively blanket the area immediately to the south of the claim block. Here the flat lying flows form cliffs which are visible for miles.

Geochemical Survey:

The immediate gossan zone was covered by six lines all 60 m apart and trending N.N.W. Soil samples were taken along these lines every 30 m and, where encountered, bedrock was also sampled. The soil samples were taken from the top of the 'B' horizon and assayed for Cu, Pb, Zn and Mo as were the rock samples.

A total of 108 soil samples and 41 rock samples were taken in and around the gossan.

The results of the soil and rock survey were inconclusive as no truly anomalous zones were detected.

Conclusions and Recommendations:

Although no sample returns can be considered anomalous there is a definite northerly trend through the centre of the grid of the above background geochemical readings. The abundance of pyrite and the favourably geological location would seem to outweigh the inconclusive results of the geochemical survey. Also of significance is the marked similarity between this gossan and the one bordering the Maggie deposit.

If a disseminated orebody does exist on the property it would have to lie immediatley to the west of the gossan zone to be mineable because the proximity to the Thompson River would preclude the mining of any deposit that trends to the north or the north west. The other possibility of an economic mineral occurance is that of a massive sulphide body that might, for example, parallel the contact and the gossan zone at depth.

To test the aforementioned possibilities two 106 meter percussion holes are recommended. The first hole is located on grid line no. 3 at co-ordinate 14N and lies directly on the gossan near the contact. The second hole is to be located 150 meters immediately to the west of hole #1. These proposed drill sites are shown on drawing no. PP-77-8 which is appended in Section E.

Respectfully submitted,

R.J. Nethery

R.J. Nethery, P.Eng.

SECTION B - STATEMENT OF EXPENDITURES
(Expense period - July 1 to November 30, 1977)

A. Contractors (see accompanying invoices)

1. Kamloops Research and Assay Laboratory

Invoice No. 1287 dated August 12, 1977		
105 soil geochem. @ $2.75	$288.75	
59 rock geochem. @ $3.25	$191.75	
	$480.50	$ 480.50

2. Altair Drafting Services Ltd.

Drafting services during September 1977		
24 hrs. @ $12/hour	$288.00	
Printing services	$ 45.77	
	$333.77	333.77

TOTAL CONTRACTOR EXPENSES $ 814.27

B. Bethlehem Expenditures

1. Personnel

R. E. Anderson - Exploration Manager

1 day in general project supervision		
1 day @ $174.71		$ 174.71

R. J. Nethery - Project Geologist

July 18-22, 1977 (5) and 2 days in report preparation		
5 days @ $109.05	$545.25	
2 days @ $115.33	$230.66	
	$775.91	$ 775.91

J. C. Collins - Field Supervisor

July 18-22, 1977		
5 days @ $75.01/day	$375.05	$ 375.05

P.M. Mackinnon - Field Assistant

July 18-22, 1977		
5 days @ $47.83/day	$239.15	$ 239.15

Bethlehem Expenditures (continued)

1. Personnel

E. Andersen - Property Agent

1 day in data compilation and report preparation 1 day @ $90.09/day	$ 90.09	$ 90.09
A. Parnaby - Secretary		
1 day @ $47.83/day	$ 47.83	47.83
	TOTAL Personnel	$ 1,720.74

2. Transportation

R. J. Nethery - Ford F 100 4WD Pickup 5 days @ $30/day		$ 150.00
J. G. Collins - Ford F 250 4WD Pickup 5 days @ $35/day		$ 175.00
	TOTAL Transportation	$ 325.00

3. Lodging and Meals

R. J. Nethery - expenses for the week ending: July 24, 1977	$120.25	$ 120.25

TOTAL BETHLEHEM EXPENDITURES	$ 2,165.99
TOTAL PROPERTY EXPENDITURES	$ 2,980.26

Kamloops Research & Assay Laboratory LTD.

B.C. CERTIFIED ASSAYERS

WEST TRANS CANADA HIGHWAY - BOX 946 - KAMLOOPS, B.C. V2C 5N4

PHONE 372-2784

Bethlehem Copper Corporation,
2100 - 1055 West Hastings St.,
Vancouver, B. C.
V6E 2H8

INVOICE: 1287

DATE: August 12, 1977.

FILE NO. G-179

228 Geochemical Analyses - Soils - ppm Copper, Lead, Zinc, Molybdenum @ $2.75		$627.00 ✓
87 Geochemical Analyses - Rock - ppm Copper, Lead, Zinc, Molybdenum @ $3.25		282.75 ✓
		$909.75 ✓

NEPA CLAIMS - 123 Soil $338.25
28 Rock $91.00
151 $429.25

PYRITE PROPERTY - 105 Soil $288.75
59 Rock ~~191.75~~
164 $480.50

8-847

THIS IS AN ACCOUNT FOR PROFESSIONAL SERVICES AND IS DUE ON PRESENTATION

BETHLEHEM COPPER CORPORATION

DATE	INVOICE NO	AMOUNT	DATE	INVOICE No	AMOUNT
Oct 14/77	Altair drafting account for month of September	$1824.00			

BETHLEHEM COPPER CORPORATION

№ 7575

SUITE 2100, GUINNESS TOWER, 1055 WEST HASTINGS STREET

VANCOUVER, B.C. V6C 2K8 October 14 19 77

PAY TO THE ORDER OF ALTAIR DRAFTING SERVICES LTD $ 1,824.00

100 DOLLARS

BETHLEHEM COPPER CORPORATION

NON-NEGOTIABLE

PER _____

PER _____

TO THE
BANK OF MONTREAL
MAIN OFFICE – THREE BENTALL CENTRE
595 BURRARD STREET
VANCOUVER, B.C.
V7X 1L7

VOUCHERS PAYABLE

CHARGE	ACCOUNT No	DR	CR
	860-005	$498.00	
	860-008	300.00	
	860-009	156.00	
	860-018	330.00	
	860-020	288.00	
	860-023	180.00	
	860-105	72.00	
	110-002		$1,824.0

VOUCHER ENTERED

APPROVED FOR PAYMENT

ALTAIR DRAFTING SERVICES LTD.

Sept. 1977 Drafting Account

PROJECT	HOURS	COST
5-860	41.5	$ 498.00
8-860	25.0	300.00
9-860	13.0	156.00
18-860	27.5	330.00
20-860	24.0	288.00
23-860	15.0	180.00
105-860	6.0	72.00
TOTAL	152.0	$ 1824.00 ✓

OCT. 13/77

INVOICE

OUR NUMBER 020521

DATE Sept. 13/77

CUSTOMER'S ORDER 20-560

SALESMAN

TERMS

F.O.B.

SOLD TO Bethlehem Copper Corporation

SHIPPED TO

ADDRESS

1	Orig x 4 dylars 20 sq ft. @ $1 "/sq ft			$20	00
			12%	1	2 40
				$22	40
			7%	$ 1	57
				$23	97
		TOTAL		$23	97

REDIFORM - 2M52

ALTAIR DRAFTING SERVICES LTD.
No. 5 - 821 WEST PENDER STREET
VANCOUVER 1, B.C.

OUR NUMBER: 020528

DATE: 15 Sept 77

CUSTOMER'S ORDER: [illegible] - 5600

SALESMAN:

TERMS:

F.O.B.

SOLD TO: Bethlehem Copper Corp

SHIPPED TO:

ADDRESS: VIA:

INVOICE

7	[illegible] X [illegible] @ 10¢ SF	= 10¢ SF		12	50
					26
		7%		[illegible]	76
		1/10			[illegible]
				12	38
		Total		$ 12	[illegible]

REDIFORM - 7M52

INVOICE

ALTAIR DRAFTING SERVICES LTD.
No. 5 - 821 WEST PENDER STREET
VANCOUVER 1, B.C.

OUR NUMBER 020704

DATE 25 Oct 77

CUSTOMER'S ORDER

SALESMAN 20 560

TERMS

F.O.B.

SOLD TO [illegible] Copper Corp

SHIPPED TO

ADDRESS VIA

7	[illegible]				
					22
				9	

ECONOFORM . 7M32

SECTION C - PROPOSED EXPLORATION BUDGET - PYRITE PROPERTY

Personnel		
1 geologist, 1 week @ $2,185/month		$ 546.25
1 field assistant, 1 week @ $1,495/month		373.75
Room and Board @ $30/day/man		300.00
Fringe benefits @ 15.6%		143.52
	1363.52	
Field Equipment		
Plastic bags etc		100
	100.00	
Percussion Drilling		
213 m @ $16.50		3514.50
	3514.50	
Equipment Rental		
1 vehicle @ $450/month		112.50
Cat, 10 hours @ $40/hour		400.00
	512.50	
Assays		
60 samples @ $6.50/per Cu-Mo determination		390.00
	390.00	
Travel		100.00
	100.00	
Communication		100.00
	100.00	
Head Office Administration		
10% of $6080.52		608.05
	608.05	
Contingencies @ 10%		668.86
	668.86	
TOTAL	$ 7357.43	
say	$ 7400.00	

Section D

Assaying Services

NOV - 9 1977

EA ✓
H6E
REA

Kamloops Research & Assay Laboratory LTD.

B.C. CERTIFIED ASSAYERS

WEST TRANS CANADA HIGHWAY – BOX 946 – KAMLOOPS, B.C. V2C 5N4
PHONE 372-2784

R. G. Blundell
Res. 573-3016

November 5, 1977.

Mr. Eric Anderson,
Bethlehem Copper Corporation,
2100 - 1055 West Hastings St.,
Vancouver, B. C.
V6E 2H8

Dear Eric:

Further to our telephone conversation, I am pleased to outline our procedure for the analysis of your soil samples for copper, lead, zinc and molybdenum.

The samples are dried in our geochemical drying oven and then screened through a stainless steel 80 mesh sieve. The minus 80 mesh fraction is reserved for analysis and the plus 80 mesh fraction is discarded.

The samples are then weighed into test tubes, nitric acid is added, and they are placed in a hot water bath for thirty minutes. Hydrochloric acid is added at this time and the samples are then diluted with an aluminium chloride solution. The aluminium chloride suppresses the nitrous oxide-acetylene flame interference in the analysis of molybdenum.

The samples are then mixed to insure homogeneity and are read, upon settling, on a Varian Techtron AA 5 atomic absorption spectrophotometer. An air-acetylene flame is used for the analysis of copper, lead and zinc, and a nitrous oxide-acetylene is used for the analysis of molybdenum.

All additions of reagents are from Oxford Model S-A pipettors.

Standards and re-assay checks are carried along with each run of 35 samples.

If you require greater detail I will be most happy to supply this information.

Yours very truly,

KAMLOOPS RESEARCH &
ASSAY LABORATORY LTD.

Derek A. Blundell

Derek A. Blundell,
Manager.

DAB:d

AUG 16 1977

Kamloops Research & Assay Laboratory Ltd. PYRITE - Assay RJN - EA -

GEOCHEMICAL LAB REPORT

FILE NO. G-179 PAGE 4

KRAL No.	IDENTIFICATION	ppm Cu	ppm Pb	ppm Zn	ppm Mo	IDENTIFICATION
99	112.5 N 51 E	35	4	122	4	
	" 51.5 E	42	5	112	3	
	" 52 E	23	2	75	3	
	" 52.5 E	54	5	104	2	
	" 53 E	52	5	98	3	
	" 53.5 E	48	6	125	3	
	" 54 E	37	5	93	2	
	" 54.5 E	46	5	101	3	Organic
	112.5 N 55 E	35	6	114	3	
	115 N 47.5 E	33	7	107	2	
	" 48 E	50	7	114	2	
	" 48.5 E	56	12	133	4	
	" 49 E	9	10	26	5	
	" 49.5 E	43	9	121	4	
	" 50 E	124	9	120	3	
	" 50.5 E	59	10	163	6	
	" 51 E	41	8	111	3	Broken bag
	" 51.5 E	37	7	114	3	
	" 52 E	44	9	124	5	
	" 52.5 E	59	7	121	3	
	" 53 E	49	7	105	4	
	" 53.5 E	54	6	104	2	
	" 54 E	47	6	104	3	
	" 54.5 E	46	7	123	3	Broken bag
	115 N 55 E	50	7	128	4	
	Line 1 00	40	7	73	3	
	" 01	46	6	62	3	
	" 02	31	4	41	6	
	" 03	32	4	45	5	Broken bag
	" 04	48	6	45	4	
	" 05	70	11	207	6	
	" 06	58	7	55	4	
	" 07	68	5	60	2	
132	Line 1 08	55	6	70	3	

Kamloops Research & Assay Laboratory Ltd.

GEOCHEMICAL LAB REPORT

FILE NO. G-179 PAGE 5

KRAL No.	IDENTIFICATION	ppm Cu	ppm Pb	ppm Zn	ppm Mo	IDENTIFICATION
133	Line 1 09	52	6	71	4	
	" 10	59	6	75	4	
	" 11	39	6	66	5	
	" 12	45	7	64	6	
	" 13	51	8	73	5	
	" 15	50	8	81	9	
	" 16	71	12	97	12	Broken bag
	Line 1 17	85	22	107	9	
	Line 2 00	49	5	64	2	
	" 01	38	5	51	2	
	" 02	12	3	11	5	
	" 03	18	2	9	5	
	" 04	4	1	8	1	
	" 05	11	1	11	3	
	" 06	17	1	16	3	
	" 07	52	6	40	6	
	" 08	30	5	40	4	
	" 09	42	6	71	4	
	" 10	26	5	56	5	
	" 11	56	7	84	4	
	" 12	7	6	7	5	
	" 13	31	5	17	3	
	" 14	65	6	67	3	
	" 15	38	4	62	4	
	Line 2 16	32	5	34	4	
	Line 3 00	52	8	56	5	
	" 01	41	8	71	3	
	" 03	60	9	92	4	
	" 04	46	7	77	4	
	" 05	37	5	80	3	
	" 06	45	6	86	3	
	" 07	18	2	9	3	
	" 08	20	1	9	4	
166	Line 3 09	53	3	63	2	

Kamloops Research & Assay Laboratory Ltd.

GEOCHEMICAL LAB REPORT

FILE NO. 8-179 PAGE 6

KRAL No.	IDENTIFICATION	ppm Cu	ppm Pb	ppm Zn	ppm Mo	IDENTIFICATION			
167	Line 3 10	36	2	18	3				
	" 11	25	1	13	3				
	" 12	48	6	37	3				
	" 13	51	9	23	11				
	" 14	84	24	67	9				
	" 15	60	13	84	15				
	" 16	39	7	30	8				
	Line 3 17	42	7	32	6				
	Line 4 00	34	7	66	4				
	" 01	38	9	84	2				
	" 02	30	8	77	2				
	" 03	35	8	93	2				
	" 04	46	8	94	2				
	" 05	52	8	94	5				
	" 06	57	8	101	3				
	" 07	55	8	92	3				
	" 08	73	10	126	3				
	" 09	87	8	103	4				
	" 10	87	10	118	5				
	" 11	75	8	106	2				
	" 12	55	7	97	4				
	" 13	87	9	120	3				
	" 14	66	8	78	2				
	" 15	60	8	86	2				
	" 16	42	6	38	4				
	" 17	42	9	44	4				
	Line 4 18	49	7	72	2				
	Line 5 00	31	5	80	2				
	" 01	36	6	86	3				
	" 02	43	9	100	3				
	" 03	36	8	96	2				
	" 04	43	7	84	2				
	" 05	47	6	84	3				
200	Line 5 06	164	16	117	4				

Kamloops Research & Assay Laboratory Ltd.

GEOCHEMICAL LAB REPORT

FILE NO. G-179 PAGE 7

KRAL No.	IDENTIFICATION	ppm Cu	ppm Pb	ppm Zn	ppm Mo	IDENTIFICATION			
201	Line 5 07	60	7	95	2				
	" 08	80	10	109	2				
	" 09	122	13	135	2				
	" 10	83	7	102	3				
	" 11	58	7	86	2				
	" 12	48	7	86	2				
	" 13	57	9	87	1				
	" 14	53	6	93	2				
	" 15	46	5	57	2				
	" 16	49	5	67	3				
	Line 5 17	42	6	85	2				
	Line 6 00	30	5	89	2				
	" 01	29	4	75	2				
	" 02	34	6	99	4				
	" 03	32	5	90	1				
	" 04	31	7	100	3				
	" 05	34	6	102	2				
	" 06	32	4	92	2				
	" 07	47	5	73	2				
	" 08	47	6	54	3				
	" 09	59	5	72	3				
	" 10	57	6	81	2				
	" 11	45	8	88	3				
	" 12	46	5	83	3				
	" 13	42	5	80	3				
	" 14	51	4	63	2				
	" 15	48	6	66	3				
	" 16	46	5	80	2				
	Line 6 17	48	7	94	2				
	18430	25	22	100	6				
	18431	25	16	77	5				
	18432	24	9	35	3				
	18433	25	16	64	3				
234	18434	20	8	34	3				

Kamloops Research & Assay Laboratory Ltd.

GEOCHEMICAL LAB REPORT

FILE NO. G-179 PAGE 8

KRAL No.	IDENTIFICATION	ppm Cu	ppm Pb	ppm Zn	ppm Mo	IDENTIFICATION
235	18435	12	12	89	3	
	18436	19	41	112	5	
	18437	76	23	78	4	
	18438	60	5	46	3	
	18439	61	5	37	4	
	18440	66	10	44	2	
	18441	72	6	47	3	
	18442	84	14	102	4	
	18443	69	13	85	3	
	18444	102	20	72	3	
	18445	61	14	43	2	
	18446	5	14	4	7	
	18751 ✓	42	8	20	3	NEPA
	18752 ✓	53	12	32	5	
	18753 ✓	29	8	19	4	
	18754 ✓	108	9	105	2	
	18755 ✓	30	8	63	3	
	18756 ✓	23	8	37	5	
	18757 ✓	109	12	36	6	
	18758 ✓	37	9	57	2	
	18759 ✓	15	4	13	3	
	18760 ✓	26	6	26	3	
	18761 ✓	11	6	30	4	
	18762 ✓	10	6	21	3	
	18763 ✓	8	18	8	10	
	18764 ✓	9	6	44	2	
	18765 ✓	44	13	33	4	
	18766 ✓	10	8	14	2	
	18767 ✓	23	7	117	5	
	18768	12	6	27	3	
	18769	48	9	43	4	
	18770	32	7	83	2	
	18771	15	5	15	3	
268	18772	25	6	15	4	

Kamloops ..esearch & Assay Labor. .ory Ltd.

GEOCHEMICAL LAB REPORT

FILE NO. G-179

PAGE 9

KRAL No.	IDENTIFICATION	ppm Cu	ppm Pb	ppm Zn	ppm Mo	IDENTIFICATION			
269	18773	44	7	31	4				
	18774	23	4	15	5				
	18775	28	4	17	3				
	18776	30	5	46	3				
	18777	20	16	25	2				
	18778	31	6	12	4				
	18779	40	11	51	3				
	18780	34	10	88	3				
	18781	12	10	102	3				
	18782	10	9	87	2				
	18783	12	12	117	3				
	18784	88	17	120	3				
	18785	64	15	72	4				
	18786	45	15	82	3				
	18787	55	9	64	3				
	18788	71	13	93	4				
	18789	59	13	63	4				
	18790	13	6	94	4				
	18791	50	8	99	3				
	18792	14	10	132	3				
	18793	99	12	127	2				
	18794	50	15	80	2				
	18795	15	21	109	2				
	18796	17	9	55	3				
	18797	73	9	49	3				
	18798	5	1	1	3				
	18799	27	10	74	6				
	18800	21	5	54	4				
	18801	10	5	1	2				
	18802	33	10	90	4				
	18803	16	11	162	4				
	18804	6	9	45	3				
	18805	49	22	48	3				
302	18806	11	10	85	2				

Kamloops Research & Assay Laboratory Ltd.

GEOCHEMICAL LAB REPORT

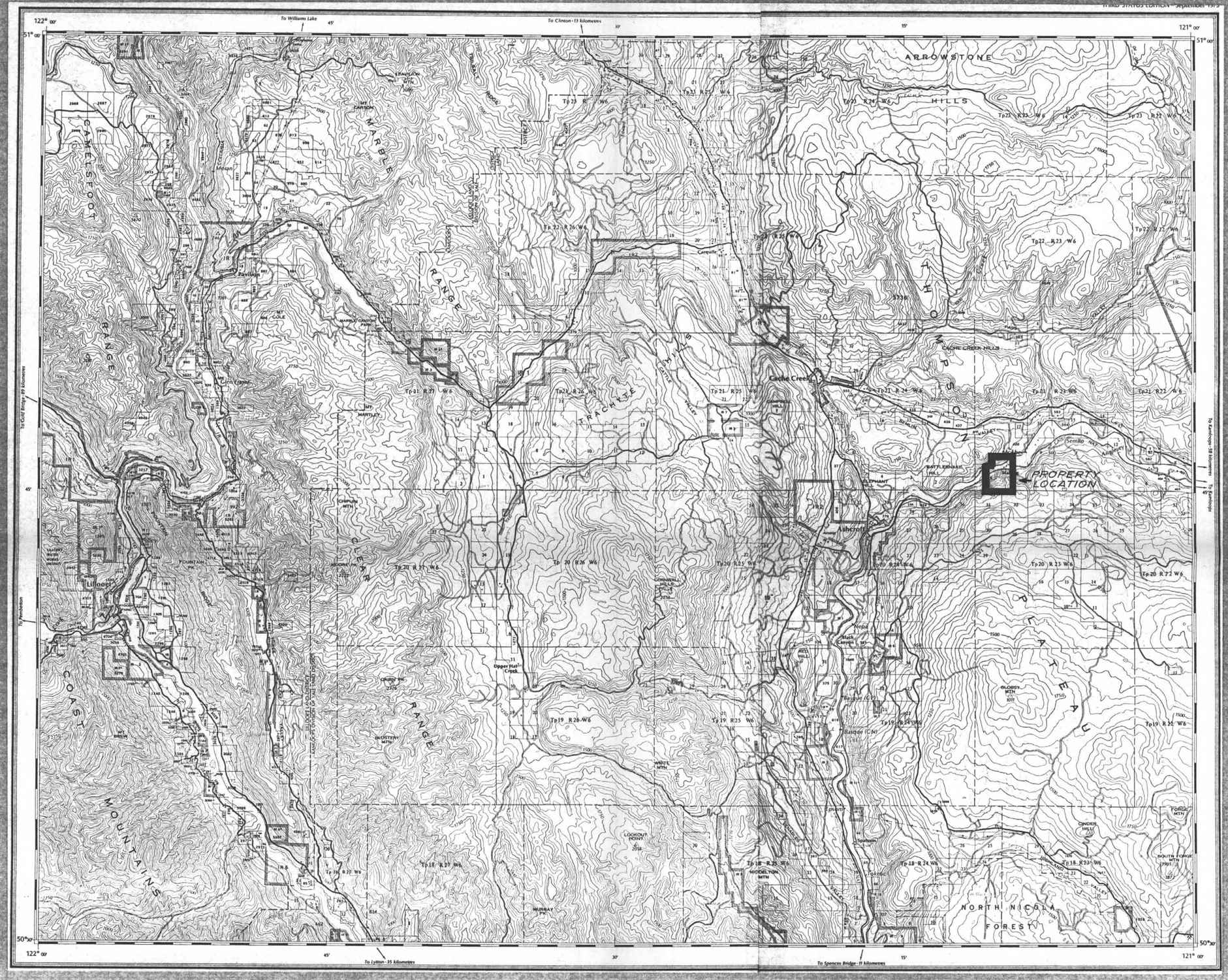
FILE NO. G-179 PAGE 10

KRAL No.	IDENTIFICATION	ppm Cu	ppm Pb	ppm Zn	ppm Mo	IDENTIFICATION
303	18807	43	11	80	5	
	18808	26	21	63	3	
	18809	34	9	83	3	
	18810	18	15	81	3	
	18811	34	15	131	5	
	18812	13	9	60	2	
	18813	15	13	126	4	
	18814	48	14	72	3	
	18815	43	14	47	3	
	18816	5	8	1	2	
	18817	22	14	94	2	
	18818	24	17	102	3	
	18819	35	14	58	2	
316	18820	14	13	84	4	

Method: -80 Mesh
Hot Acid Extraction
Atomic Absorption

SECTION E - ILLUSTRATIONS

Drawing No.	Title	Scale
PP-77-1	Location Plan	1:125,000
PP-77-2	Topographical Plan	1:10,000
PP-77-3	Geological Plan	1:10,000
PP-77-4	Geochemical Survey - Cu	1:2,500
PP-77-5	Geochemical Survey - Pb	1:2,500
PP-77-6	Geochemical Survey - Zn	1:2,500
PP-77-7	Geochemical Survey - Mo	1:2,500
PP-77-8	Proposed Percussion Drilling	1:10,000



6634

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 6634
MAP NO.

MAP SCALE
0 5 10
SCALE IN KILOMETRES

REVISIONS	No.	Date	MADE BY	DESCRIPTION
	1			
	2			
	3			
	4			
	5			

DATE	DRAWN BY	CHECKED	APPROVED
Sept. 1977		E.A.	

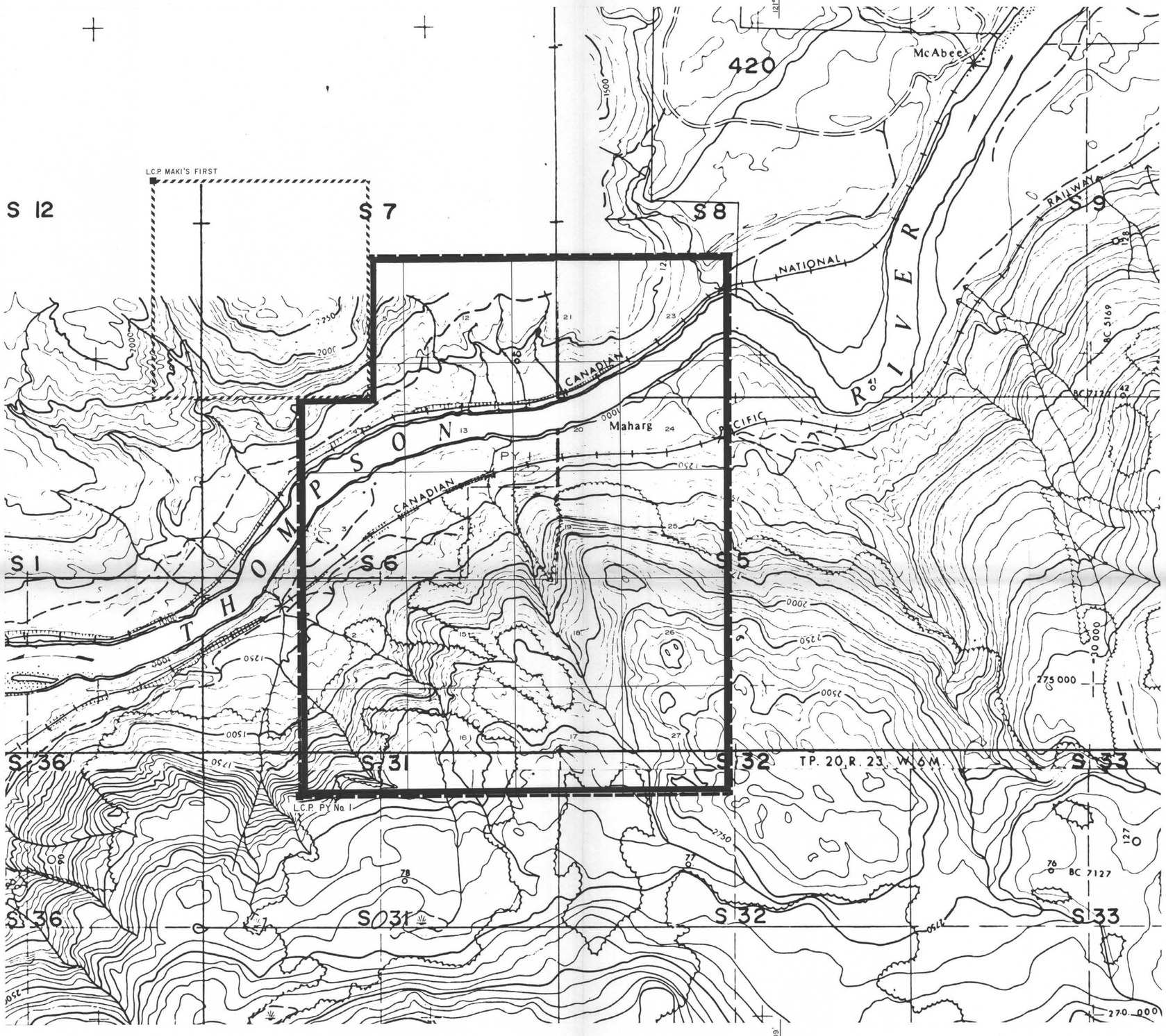
BETHLEHEM COPPER CORPORATION

OFFICE	DEPARTMENT
VANCOUVER	EXPLORATION

PYRITE PROJECT LOCATION PLAN

MAP INDEX NUMBER	SCALE	DRAWING NUMBER
N.T.S. 92I/N.W.	1: 125,000	PP-77-1

NO - 196-A - B.C.



6634

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 6634
MAP NO.

MAP SCALE

200 0 200 400 600
SCALE IN METRES

REVISIONS	No.	Date	MADE BY	DESCRIPTION
	1			
	2			
	3			
	4			
	5			

DATE	DRAWN BY	CHECKED	APPROVED
Sept. 1977		E.A.	

BETHLEHEM COPPER CORPORATION

OFFICE	DEPARTMENT
VANCOUVER	EXPLORATION

PYRITE PROJECT
TOPOGRAPHICAL PLAN

MAP INDEX NUMBER	SCALE	DRAWING NUMBER
	1:10,000	PP-77-2

NCI - 156 A1 - B.C.

121°09'

LCP MAKI'S FIRST

THOMPSON RIVER

RAILWAY

CANADIAN PACIFIC

AREA OF GEOCHEMICAL SURVEY

LCP PY No 1

50° 45'

121° 09'

LEGEND

TERTIARY
- 3 Basalts

UPPER TRIASSIC
- 2 Nicola Group Volcanics & Sediments

LOWER JURASSIC
- 1 Guichon Batholith Quartz diorite, Diorite, Gabbro

Gossan Zone

Outcrop

Geological Contact

6634

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 6634
MAP NO.

MAP SCALE

200 0 200 400 600

SCALE IN METRES

REVISIONS	No.	Date	MADE BY	DESCRIPTION
	1			
	2			
	3			
	4			
	5			

DATE	DRAWN BY	CHECKED	APPROVED
Sept. 1977	Altair/m.k.	E.A.	

BETHLEHEM COPPER CORPORATION

OFFICE	DEPARTMENT
VANCOUVER	EXPLORATION

PYRITE PROJECT GEOLOGICAL PLAN

MAP INDEX NUMBER	SCALE	DRAWING NUMBER
	1: 10,000	PP-77-3

NCI - 196 A1 - B.C.

66 34

LEGEND

- SOIL SAMPLE LOCATION
- x R ROCK SAMPLE LOCATION

MAP SCALE

50 0 50 100 150

SCALE IN METRES

REVISIONS	No.	Date	MADE BY	DESCRIPTION
	1			
	2			
	3			
	4			
	5			

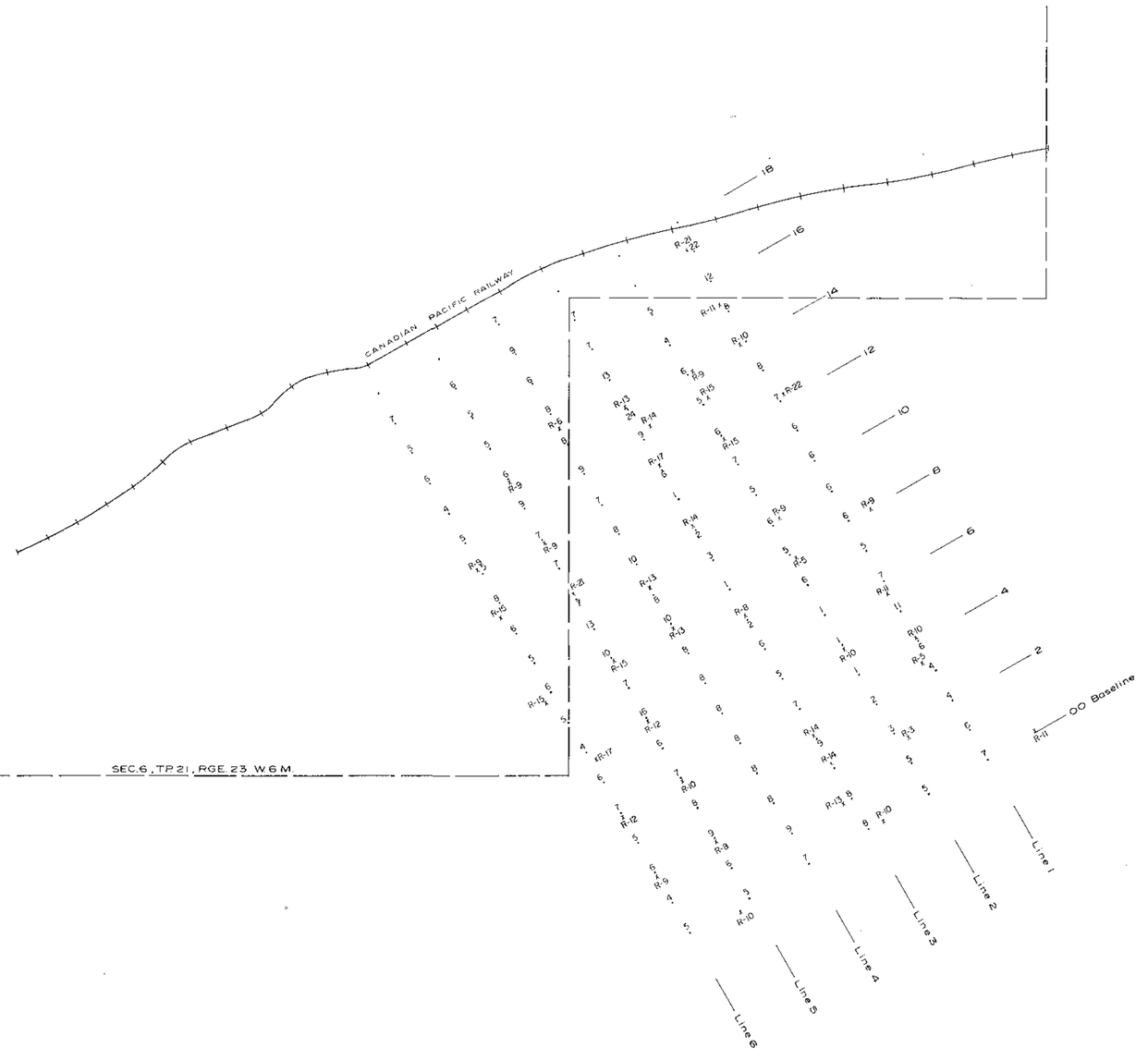
DATE	DRAWN BY	CHECKED	APPROVED
SEPT 1977	Altair/mx	E.A.	

BETHLEHEM COPPER CORPORATION

OFFICE	DEPARTMENT
VANCOUVER	EXPLORATION

PYRITE PROJECT
GEOCHEMICAL SURVEY
Cu – p.p.m.

MAP INDEX NUMBER	SCALE	DRAWING NUMBER
	1:2500	PP-77-4



LEGEND

• SOIL SAMPLE LOCATION

x R ROCK SAMPLE LOCATION

6634

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 6634
MAP NO.

MAP SCALE

50 0 50 100 150

SCALE IN METRES

REVISIONS	No.	Date	MADE BY	DESCRIPTION
	1			
	2			
	3			
	4			
	5			

DATE	DRAWN BY	CHECKED	APPROVED
SEPT 1977	Altair/mk	E.A.	

BETHLEHEM COPPER CORPORATION

OFFICE	DEPARTMENT
VANCOUVER	EXPLORATION

PYRITE PROJECT GEOCHEMICAL SURVEY Pb – p.p.m.

MAP INDEX NUMBER	SCALE	DRAWING NUMBER
	1:2500	PP-77-5

KAMLOOPS B.C.

N

LEGEND

• SOIL SAMPLE LOCATION

xR — ROCK SAMPLE LOCATION

6634

MAP SCALE

50 0 50 100 150

SCALE IN METRES

REVISIONS	No	Date	MADE BY	DESCRIPTION
	1			
	2			
	3			
	4			
	5			

DATE	DRAWN BY	CHECKED	APPROVED
SEPT. 1977	Arter/mk	E.A.	

BETHLEHEM COPPER CORPORATION

OFFICE	DEPARTMENT
VANCOUVER	EXPLORATION

PYRITE PROJECT GEOCHEMICAL SURVEY Zn — p.p.m.

MAP INDEX NUMBER	SCALE	DRAWING NUMBER
	1:2500	PP-77-6

LEGEND

• SOIL SAMPLE LOCATION

x R ROCK SAMPLE LOCATION

6634

MAP SCALE

50 0 50 100 150

SCALE IN METRES

REVISIONS	No.	Date	MADE BY	DESCRIPTION
	1			
	2			
	3			
	4			
	5			

DATE	DRAWN BY	CHECKED	APPROVED
SEPT. 1977	Altair/mk	E.A.	

BETHLEHEM COPPER CORPORATION

OFFICE	DEPARTMENT
VANCOUVER	EXPLORATION

PYRITE PROJECT
GEOCHEMICAL SURVEY
Mo — p.p.m.

MAP INDEX NUMBER	SCALE	DRAWING NUMBER
	1: 2500	PP-77-7

NTS 104 A1 E/C

121°09'

LCP MAKI'S FIRST

THOMPSON RIVER

CANADIAN PACIFIC RAILWAY

Proposed Percussion Drill Holes
-Depth 106.5 m.

Section

Outline of Possible
Massive Sulphide Body

AREA OF
GEOCHEMICAL
SURVEY

Outline of Possible
Disseminated Zone

PC-1
PC-2

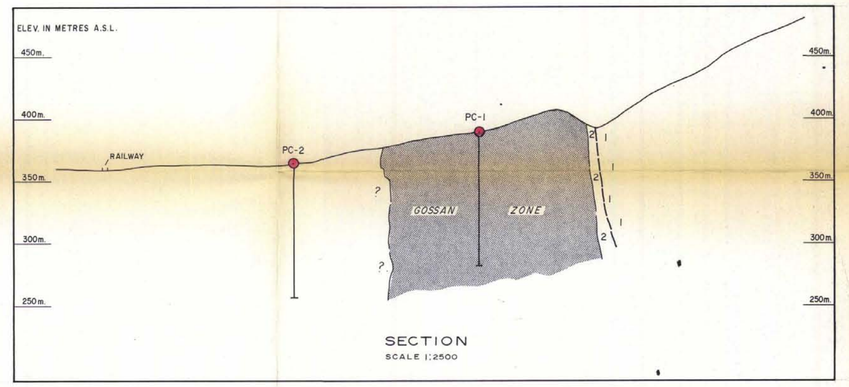
2°

LCP PY No 1

50° 45'

121° 09'

ELEV. IN METRES A.S.L.



SECTION
SCALE 1:2500

LEGEND

TERTIARY
3 Basalts

UPPER TRIASSIC
2 Nicola Group
Volcanics & Sediments

LOWER JURASSIC
1 Guichon Batholith
Quartz diorite, Diorite, Gabbro

Gossan Zone

Outcrop

Geological Contact

PC-2 Proposed Percussion Drill Hole

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 6634
MAP NO.

6634

MAP SCALE
200 0 200 400 600
SCALE IN METRES

REVISIONS	No.	Date	MADE BY	DESCRIPTION
	1			
	2			
	3			
	4			
	5			

DATE	DRAWN BY	CHECKED	APPROVED
Sept. 1977	Altair/m.k.	E.A.	

BETHLEHEM COPPER CORPORATION

OFFICE	DEPARTMENT
VANCOUVER	EXPLORATION

PYRITE PROJECT
GEOLOGICAL PLAN
PROPOSED PERCUSSION DRILLING

MAP INDEX NUMBER	SCALE	DRAWING NUMBER
	1:10,000	PP-77-8

NCI - 156 A1 - B.C.