

5287-B

PERCUSSION DRILLING REPORT
on the
"SUS" GROUP OF MINERAL CLAIMS
WHITING CREEK - TAHTSA LAKE AREA
OMINECA MINING DIVISION

93E/11E

Latitude 53° 44'

Longitude 127° 09'

N.T.S. Sheet No. 93E/11E

Department of	
Mines and Petroleum Resources	
ASSESSMENT REPORT	
NO. 5287	MAP

BETHLEHEM COPPER CORPORATION

December 3, 1974

R. E. Anderson, P. Eng.

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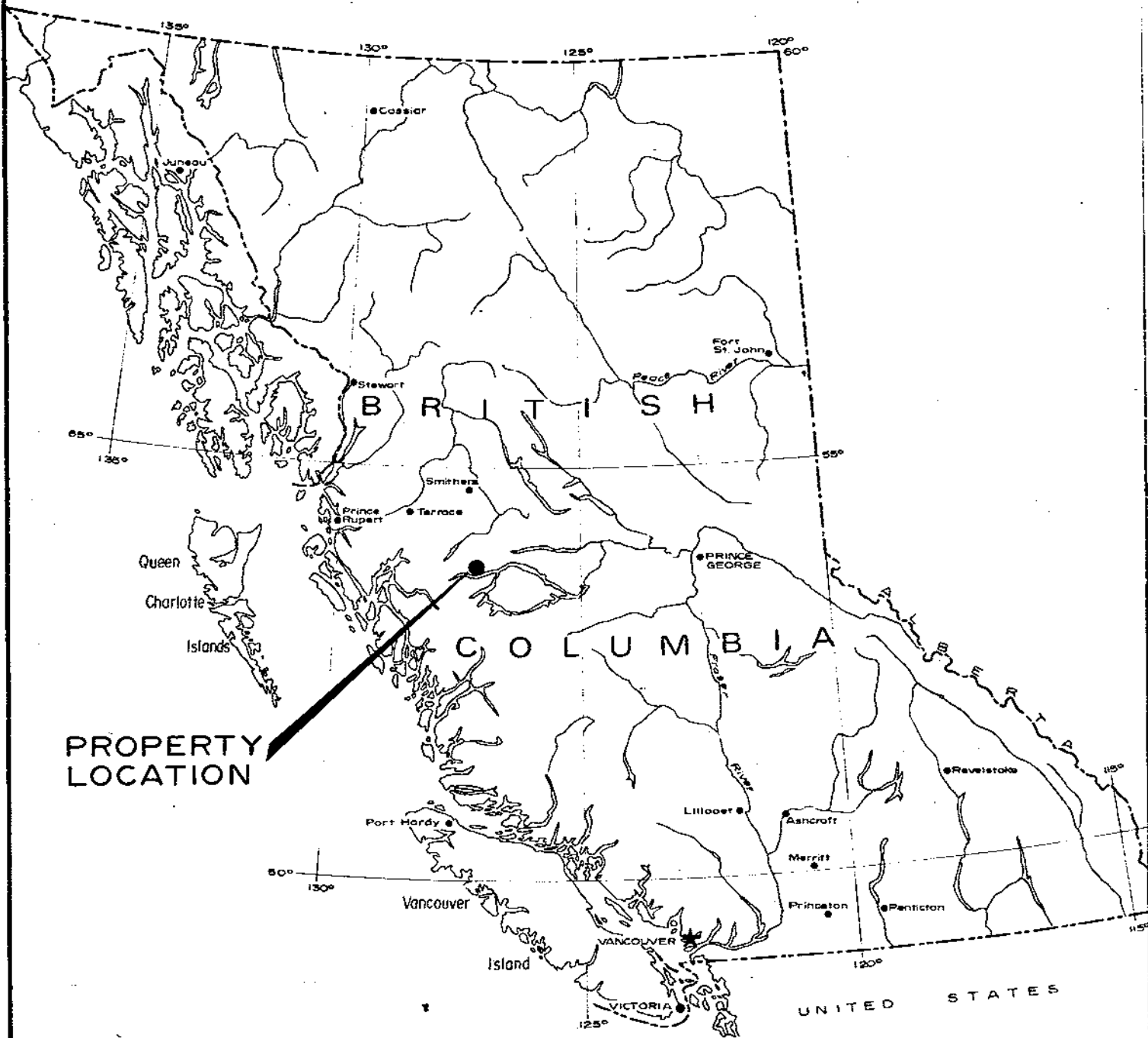
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PROPERTY
LOCATION

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 5287 MAP #1

COPPER BELT PROJECT
(SMITHERS)
"SUS" GROUP
LOCATION PLAN



AIR PHOTO No. - BC 5301-238
 DATE OF PHOTOGRAPHY - AUGUST 1, 1968
 SCALE: 40 chains or 1" = 2640' Approx.

COPPER BELT PROJECT
 (SMITHERS)
 "SUS" GROUP
 LOCATION PLAN

NEW ACCESS ROAD - - - - -
 (CONSTRUCTED SEPT. 1974)

PERCUSSION DRILL SITE - ●

FIG. 2

SECTION A SUMMARY OF WORK

Introduction

The "SUS" property was acquired in two stages during the latter part of 1973, following a large scale regional geological mapping and sampling program. The first six (6) mineral claims were recorded on October 24, 1973 with the remaining thirty-eight (38) being registered on December 3, 1973. Work completed during 1973 included some mapping and rock geochem sampling, as well as three percussion holes drilled along the Tahtsa Lake road within the confines of the original claim block. Only one of the holes (SUS-73-1) intersected bedrock. The 1974 program was therefore designed to examine the areas to the north of the original work and was to again use the percussion drilling method.

Location and Access

The property is located on both sides of Whiting Creek, some 2 miles N.E. of Sweeney Lake and 52 air miles S 24° W of Houston. The geographic co-ordinates of the centre of the property are 53° 44' Latitude and 127° 09' Longitude. Elevations range from 3,300' A.S.L. in the southern part of the claim block to 4,100' A.S.L. in the northern area.

Access is via the Tahtsa Lake road, which runs from Highway 16 near Houston. Travel distance via this gravel road is some 60 miles. Access within the property was, until this year's work program, confined to the southern portion where the Tahtsa Lake road bisects the SUS 3 and 4 mineral claims. This fall, approximately 1.5 miles of drill road was constructed in order to allow access to the central area of the claim block (see Fig. 2).

Preliminary Reconnaissance Program

Ground reconnaissance carried out during the 1973 claim staking program had revealed little or no available access into the central portion of the property and therefore some road construction would be required. Accordingly, in order to map out the most favourable route for the drill road, helicopter reconnaissance was carried out on August 19, 1974. The availability of any suitable logging access road leading to the peripheral areas of the property was also examined from the air. The Aerial Photograph Location Plan (Figure 2) shows the location of the property. Following the helicopter reconnaissance, the tentative access routes were ground checked and then flagged to guide the road contractor.

Access Road Construction

Prior to the actual commencement of road construction, the Forest Service was consulted regarding the necessary permits and regulations governing work in forested areas. C.C.S. Contracting of Houston was employed to carry out the work and, utilizing an Allis-Chalmers HD-21 bulldozer, the two sections of road were completed in four days (September 13 - 16, 1974). Average road width was 16' with turnouts being built at each drill site. Total length of road completed was 1.5 miles. All slash was then trimmed and bucked pursuant to the Forest Service specifications.

Percussion Drilling

Utilizing an Atlas Copco Model BBE-57-01 truck-mounted percussion drill, Josco Mining Co. Ltd. of Kamloops completed the planned program of four holes between September 14 and 21, 1974. Total footage

drilled was 1,270 feet, the details of which are set out in the following table:-

<u>Hole No.</u>	<u>Dip</u>	<u>Elevation (Approx.)</u>	<u>Overburden</u>	<u>Sample Interval</u>	<u>Total Depth</u>
SUS-74-4	-90°	3,450	20	240	260
SUS-74-5	-90°	3,330	60	270	330
SUS-74-6	-90°	3,900	100	250	350
SUS-74-7	-90°	4,150	<u>50</u>	<u>280</u>	<u>330</u>
TOTAL			230	1,040	1,270

Summary of Costs

Total costs incurred during this program were \$8,872.53, of which 80.7%, or \$7,162.53, represents the employment of various contractors, and 19.3%, or \$1,710.00, represents expenditures directly within the Bethlehem organization.

Respectfully submitted,


R. E. ANDERSON, P. Eng.
Exploration Manager

December 3, 1974

SECTION C

SCHEDULE OF MINERAL CLAIMS

BETHLEHEM COPPER CORPORATION LTD.

MINERAL CLAIMS

Property: Copper Belt - Smithers

Mining Division: Omineca

<u>Name of Claim</u>	<u>Record Number</u>	<u>Metal Tag Number</u>	<u>Date Recorded</u>	<u>Expiry Date</u>
SUS - 1	129124N	362971M	October 24, 1973	October 24, 1976
SUS - 2	129125N	362972M	October 24, 1973	October 24, 1976
SUS - 3	129126N	362973M	October 24, 1973	October 24, 1976
SUS - 4	129127N	362974M	October 24, 1973	October 24, 1977
SUS - 5	129128N	362975M	October 24, 1973	October 24, 1977
SUS - 6	129129N	362976M	October 24, 1973	October 24, 1977
SUS - 7	129881R	363007M	December 3, 1973	December 3, 1974
SUS - 8	129882R	363008M	December 3, 1973	December 3, 1974
SUS - 9	129883R	363009M	December 3, 1973	December 3, 1974
SUS - 10	129884R	363010M	December 3, 1973	December 3, 1974
SUS - 11	129885R	363011M	December 3, 1973	December 3, 1974
SUS - 12	129886R	363012M	December 3, 1973	December 3, 1974
SUS - 13	129887R	363013M	December 3, 1973	December 3, 1974
SUS - 14	129888R	363014M	December 3, 1973	December 3, 1974
SUS - 15	129889R	363015M	December 3, 1973	December 3, 1974
SUS - 16	129890R	363016M	December 3, 1973	December 3, 1974
SUS - 17	129891R	363017M	December 3, 1973	December 3, 1974
SUS - 18	129892R	363018M	December 3, 1973	December 3, 1974
SUS - 19	129893R	363019M	December 3, 1973	December 3, 1974
SUS - 20	129894R	363020M	December 3, 1973	December 3, 1974
SUS - 21	129895R	363021M	December 3, 1973	December 3, 1974
SUS - 22	129896R	363022M	December 3, 1973	December 3, 1974
SUS - 23	129897R	363023M	December 3, 1973	December 3, 1974
SUS - 24	129898R	363024M	December 3, 1973	December 3, 1974
SUS - 25	129899R	363025M	December 3, 1973	December 3, 1974
SUS - 26	129900R	363026M	December 3, 1973	December 3, 1974
SUS - 27	129901R	363027M	December 3, 1973	December 3, 1974
SUS - 28	129902R	363028M	December 3, 1973	December 3, 1974
SUS - 29	129903R	363029M	December 3, 1973	December 3, 1974
SUS - 30	129904R	363030M	December 3, 1973	December 3, 1974

BETHLEHEM COPPER CORPORATION LTD.

MINERAL CLAIMS

Property: Copper Belt - Smithers

Mining Division: Omineca

<u>Name of Claim</u>	<u>Record Number</u>	<u>Metal Tag Number</u>	<u>Date Recorded</u>	<u>Expiry Date</u>
SUS - 31	129905R	363031M	December 3, 1973	December 3, 1974
SUS - 32	129906R	363032M	"	"
SUS - 33	129907R	363033M	"	"
SUS - 34	129908R	363034M	"	"
SUS - 35	129909R	363035M	"	"
SUS - 36	129910R	363036M	"	"
SUS - 37	129911R	363037M	"	"
SUS - 38	129912R	363038M	"	"
SUS - 39	129913R	363039M	"	"
SUS - 40	129914R	363040M	"	"
SUS - 41	129915R	363041M	"	"
SUS - 42	129916R	363042M	"	"
SUS - 43	129917R	363043M	"	"
SUS - 44	129918R	363044M	"	"

SECTION D

LIST OF ILLUSTRATIONS

<u>Description</u>	<u>Drawing No.</u>
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Copper Belt Project (Smithers) - SUS Group - Drill Hole Plan - Scale 1" = 1,000'	2