

# DRILL HOLE LOG

BETHLEHEM COPPER CORPORATION LTD.

SHEET No. 1

Property	CAB GROUP-ARCTIC RED J.V	Hole No.	CAB #3	Bearing	030°	Elevation	approx. 4600'	Logged by	D. A. LYMAN
District	MACKENZIE, N.W.T.	Length	328'	Dip	-48°	Overburden	21'	Date	4 Sept. 1974
Advanced	3 Sept. 1974	Latitude	64°58'N	Location:	120' on bearing	Recovery			
Completed	4 Sept. 1974	Longitude	132°27'W		121' from #1 post Cab #10	Purpose	Arctic Red River Joint Venture		

DESCRIPTION	SULPHIDES	OXIDES	OTHERS	FROM	TO	SAMPLE No.	% Pb.	% Zn.	Oz. Au.	Oz. Ag.		
Overburden to 21'		light limonite on fractures		0	21	NS						
Silicified Dolomite (21-23') Light grey, very fine grain, heavily silicified		common to 118		21	25	14121	.01	.01				8
Banded Silicified Dolomite (23'-25') Light-dark grey, very fine grain, hairline carbon (bitumen?) traces on margins of 1/16" white quartz and dolomite veinlets and along banding. Banding is 90° to core axis with trace very fine grain pyrite				25	30	14122		.02				8
Dolomite and Dolomite Conglomerate (25-38') Light grey, fine grain, with sparse 1/16" or smaller vugs, inter-crystalline carbon and very fine grain pyrite throughout	1 to 3% very fine			30	35	14123		.03				10
(32'-35') - mottled pebble breccia texture	gr. Py.			35	40	14124		.03				10
(34') - short 1/16" white dolomite-filled gash fractures, 20°												
(36'-38') - carbon trace in micro fractures subparallel core												
Dolomite (38-84') Light grey, very fine to fine grain, erratic stylitized bedding emphasized by thin darker dolomite and carbon trace, sparse very fine grain pyrite in vugs to 1/16", weak hairline fractures healed by white dolomite, 0 to 20°	locally 5% Py.			40	45	14125		.01				10
(41-45') - locally >5% pyrite filling irregular vugs	trace-very weak pyrite in vugs			45	50	14126		.01				10
subparallel bedding, white dolomite centers to vugs and few white dolomite fracture fillings cutting pyrite				50	55	14127		Tr				10
(58-68') - weak fracturing with limonite coatings, 20°-50°				55	60	14128		.01				10
				60	65	14129		.01				10
				65	70	14130		.01				93
(71-74') - locally 1/16" to 1/2" stylitized bedding with carbon trace and minor pyrite	very weak pyrite in vugs parallel bedding			70	75	14131		.01				10

# DRILL HOLE LOG

# BETHLEHEM COPPER CORPORATION LTD.

SHEET No. 2

Property CAB GROUP

Hole No.

CAB #3

Logged by D. A. LYMAN

Date 4 Sept. 1974

ARCTIC RED J.V.

DESCRIPTION

SULPHIDES

OXIDES

OTHERS

FROM TO

SAMPLE  
No.

%  
Pb.

%  
Zn.

Oz  
Au.

Oz  
Ag.

%  
Fe

Dolomite (38'-84') with limonite staining along bedding fractures below 73'

light limo-  
nite on low  
angle fracs.  
0 to 200

75

80

14132

.02

9

(78-84') - strong to moderate fracture with limonite coatings, 20 to 40°

common to  
180'  
78-80' -

80

85

14133

.01

10

Dolomite (84-99') - light grey, very fine grain, some weak silicification, some erratic stylitized bedding 80-90° to core axis above 90'

locally  
heavy to  
weak limo-  
nite after  
Py. in  
shatter

85

90

14134

Tr

10

90

95

14135

Tr

10

95

100

14136

Tr

10

Pebble Dolomite (99'-100') Dark grey, flattened and rounded pebbles 1/8" and smaller, white to light grey dolomite matrix with some pyrite

< 1% very  
fine grain  
Py. dissem.

100

105

14137

Tr

10

Dolomite (100' - ) Light grey, very fine grain, erratic stylitized bedding, irregular oblong vugs subparallel bedding filled with occasional fine grain pyrite and later white crystalline dolomite; pyrite tends to occupy the stratigraphic top of the vug. Weak white-dolomite healed fractures 20° to 40° to core axis, possible barite

scattered  
coarse Py.  
in vugs to  
1"

105

110

14138

.05

10

trace Sph.

110

115

14139

.02

10

(108-111') - locally 25% fine grain pyrite in irregular vugs with white dolomite centers

115

120

14140

.01

10

120

125

14141

.01

10

125

130

14142

Tr

10

(130-135') - moderate low angle fracturing 0-15°

130

135

14143

.02

100

(134') - 2' breccia interval, white dolomite filling openings

135

140

14144

.05

10

## DRILL HOLE LOG

## BETHLEHEM COPPER CORPORATION LTD.

SHEET No. 3

Property CAB GROUP

Hole No. CAB #3

Logged by D. A. LYMAN

Date 4 Sept. 1974

ARCTIC RED J.V.

DESCRIPTION	SULPHIDES	OXIDES	OTHERS	FROM	TO	SAMPLE No.	% Pb.	% Zn.	Oz Au.	Oz Ag.		
Dolomite (100'-203') Light grey, as above, increasing but erratic silica (silt?) content with depth, irregular 1' to 4" laminae defined by hairline dark dolomite stylitized trace	some medium gr. dissem. Py., most	light limonite on low angle fracs.		140	145	14145		.04				10
	Py. is conc. in large vugs along bedding (90°)	0-20" to 180'		145	150	14146		Tr				10
				150	155	14147		.01				10
				155	160	14148		.03				10
				160	165	14149		Tr				10
				165	170	14150		Tr				10
				170	175	14151		.01				10
				175	180	14152		Tr				10
188-203' - concentrations of pyrite in 1/2" to 4" vug systems increasingly vuggy and broken with depth, weak spotty straw-colored sphalerite in white dolomite fillings below 195'				180	185	14153		.01				10
				185	190	14154		.02				10
				190	195	14155		.03				10
	weak straw-colored Sph. in white			195	200	14156		.07				10
	dolo. filled vugs			200	205	14157		.02				1

# DRILL HOLE LOG

BETHLEHEM COPPER CORPORATION LTD.

SHEET No. 4

Property CA3 GROUP

Hole No.

CAB #3

Logged by

D. A. LYMAN

Date \_\_\_\_\_

6 Sept. 1974

ARCTIC RED J.V.

ARCTIC RED J.V.		DESCRIPTION	SULPHIDES	OXIDES	OTHERS	FROM	TO	SAMPLE No.	% Pb.	% Zn.	Oz Au.	Oz Ag.	% Fe
Dark Grey (203'-240')	Medium-dark grey, fine grain, heavily broken by low angle irregular fracturing which is filled by white fine grain dolomite, many brecciated intervals with sub-angular to angular fragments	scattered Py. rimming fragments and in vugs	205-215' weak Fe.Ox. on 20 <sup>b</sup> frac.			205	210	14158		Tr			10
						210	215	14159		.12			10
						215	220	14160		.01			10
				221-223' weak Fe.Ox. on 5 <sup>o</sup> frac.		220	225	14161		.05			10
	(225'-230') Brecciated interval healed with white quartz and medium grey fine grain matrix, irregular rounded flattened fragments					225	230	14162		Tr			10
	(235') - locally with moderate medium grain disseminated pyrite					230	235	14163		.01			10
						235	240	14164		.01			10
Dark (240'-328')	Dark grey-black, very fine grain, weak erratic banding above 262', platy weakly discernible 1/32" or less banding below 262' to 285', below 285' erratic wavy. colliform banding 1/16"					240	245	14165		.01			10
						245	250	14166		.01			10
	252' - thin fine grain pyrite rimming oolitic nodules along bedding					250	255	14167		.01			10
	258' - 1/3" clear calcite filled fracture, 10°, scattered pyrite, blue-colored clear calcite rims along wall-rock	weak Py. in frags., very weak fine-med. gr. euhedral dissem. Py.				255	260	14168		Tr			10
						260	265	14169		Tr			10
						265	270	14170		.01			1

## DRILL HOLE LOG

## BETHLEHEM COPPER CORPORATION LTD.

SHEET No. 5

Property CAB GROUP

Hole No. CAB #3

Logged by D. A. LYMAN

Date 6 Sept. 1974

ARCTIC RED J.V.	DESCRIPTION	SULPHIDES	OXIDES	OTHERS	FROM	TO	SAMPLE No.	% Pb.	% Zn.	Oz Au.	Oz Ag.		FE
	Black Dolomite (240'-338') as above				270	275	14171		Tr				10
					275	280	14172		.01				10
					280	285	14173		.01				10
					285	290	14174		Tr				10
					290	295	14175		Tr				10
					295	300	14176		Tr				10
					300	305	14177		Tr				10
					305	310	14178		Tr				10
					310	315	14179		Tr				10
					315	320	14180		.01				10
	320' - scattered pyrite on hairline fracture parallel core				320	325	14181		.01				10
					325	328	14182		Tr				10
						FOR							