DRILL HOLE LOG — BETHLEHEM COPPER CORPORATION LTD.

Property	ARCTIC RED JOINT VENTURE	Hole No.	Cab #1	Bearing	N17°E	Elevation	5300 ?
District	Mayo Mining District	Length	548 feet	Dip	-45°	Overburden	22 feet
Commenced	August 28, 1974	Latitude	64°59'40"	Location	106' on 275°	Recovery	100%
Completed	August 30, 1974	Longitude	132°31'	bearing from #1 post, CAB 146		Purpose	Test Cab extension showings
Logged by	J. Bellamy						
Date	Sept. 2, 1974						

DESCRIPTION	SULPHIDES	OXIDES	OTHERS	FROM	TO	SAMPLE No.	% Pb.	% Zn.	Oz. Au.	Oz. Ag		% RECOV.
0-22' Overburden				0	22	O.B.	-	-				
(22'-33') Very fine grained crypto crystalline quartzite - finely laminated at 80° to core axis				22	25	1451	Tr	.02				100
- fine diss. pyrite and pyrite on bedding planes - 31' ½" quartz vein sub-parallel to core axis				25	30	1452	Tr	Tr				100
(33'-49') Banded fine grained medium gray dolomite with bands and partings of sandstone and siltstone				30	35	1453	Tr	Tr				100
- finely laminated silty partings weathered light brown 38'-39' - laminated fine-medium grained sandstone				35	40	1454	Tr	Tr				100
39'-49' - Gray detrital dolomite with silty laminae at 40', 42' and from 48'-49' - fine silica disseminated in the dolomite		FeO		40	45	1455	.01	.01				100
(49'-52') Gray Dolomite - fairly massive - fine grained				45	50	1456	Tr	Tr				100
dolomite and silica with dark pyro-bitumen and clays on stylatic structures coincident with bedding planes				50	55	1457	.01	Tr				100
(52'-57') Dark gray algal detrital dolomite with colon-shaped detritus replaced by silica - grades down section into massive grey dolomite				55	60	1458	Tr	Tr				100
(57'-66') Light gray dolomite with weak intraformational sedimentary brecciation visible - pyrite blebs at 60' - blebs of silica at 61'		FeO at 64'		60	65	1459	Tr	.02				100
64'-66' - sand grains - frosted (66'-70') Limestone pebbles in a dirty black dolomite matrix.				65	70	1460	.01	.01				100
Upsection pebbles become finer grained and become oolitic - oolites thinly laminated (70'-98') Finely convoluted dark dolomite grading into massive medium gray aphanitic dolomite				70	75	1461	Tr	.01				100

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DESCRIPTION	SULPHIDES	OXIDES	OTHERS	FROM	TO	SAMPLE No.	% Pb.	% Zn.	Oz. Au.	Oz. Ag.		% RECOV.
71' - 1 ft. silty finely laminated dolomite 72' - 73.5' Dark muddy dolomite 73.5'-77' Specks of silica and pyrite in weakly flow	78' blebs of py.			75	80	1462	.01	Tr				100
banded grey dolomite 88'-97' - Light gray calc-arenites with light brown weathering adjacent bedding planes				80	85	1463	.01	Tr				100
97'-98' Gray platey dolomite with heavy disseminated pyrite and pyrite stringers on bedding planes				85	90	1464	.01	Tr				100
				90	95	1465	Tr	.02				100
(98'-182') Fine medium-grained grey dolomite with occasional black stylolites throughout - massive	Heavy FeS_2			95	100	1466	.01	.01				100
- unit cut by fine quartz veins running parallel to core axis - Fine dolo calcite veins at 107 contain				100	105	1467	.01	.01				100
sporatic blebs of reddish green sphalerite and some pyrite - 107' - fracturing increases as does dolo	ZnS			105	110	1468	Tr	.56				100
calcite veining - moderate Zn at 110 112'-115' - light grey dolomite heavily fractured	ZnS			110	115	1469	Tr	.69				100
and healed with barite. Moderately heavy (8%) coarsely crystalline green sphalerite along barite-dolomite contact - weakly disseminated outwards from the barite	FeS_2			115	120	1470	Tr	.12				100
115'-179' Massive dark gray wavy banded dolomite - occasional py. blebs along black wavy flow bands -				120	125	1471	Tr	.05				100
some intraformational fragment rounding and some pebble bands formed				125	130	1472	Tr	.01				100
				130	135	1473	Tr	.01				100
- 144' -slickensides along a plane 40° to core axis striking normal to C.A. - pyrite along slickensides				135	140	1474	Tr	.01				100

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DESCRIPTION	SULPHIDES	OXIDES	OTHERS	FROM	TO	SAMPLE No.	% Pb.	% Zn.	Oz. Au.	Oz. Ag.		% RECOV.
(98' - 182') dark gray dolomite				140	145	1475	.01	Tr				100
- no stylolites				145	150	1476	.01	.01				100
				150	155	1477	.03	.02				100
	157 FeS_2			155	160	1478	.01	.01				100
				160	165	1479	.03	.02				100
				165	170	1480	.01	.01				100
				170	175	1481	.01	Tr				100
(179' - 182') Finer grained weakly laminated grey dolomite - 6% pyrite along laminae 180 - 182' rounded intraformational sedimentary breccia	FeS_2			175	180	14001A	.01 (TAG CHANGE)	Tr				100
grading downsection into wavy banded dolomite (182' - 186') Medium grained gray dolomite	FeS_2			180	185	14002A	.03	.60				100
182 - 185' Massive gray dolomite that has been brecciated and healed by white dolomite and pyrite - minor sphalerite occurs in the dolomite				185	190	14003A	Tr	1.56				100
- heavy pyrite rims the dolomite veins 185 - 186' A pebbly sedimentary breccia further brecciated and healed with dolomite with rims of pyrite and some pale green crystalline	ZnS			190	195	14004A	Tr	.54				100
sphalerite. The pyrite is also disseminated throughout matrix of syngenetic agglomerate - pebbly dolomite has a sharp contact with massive				195	200	14005A	Tr	.14				100
light grey fractured dolomite (186' -)				200	205	14006A	Tr	.60				100

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Property ARCTIC RED Hole No. Cab #1 Logged by J. Bellamy Date Sept. 2, 1974

DESCRIPTION	SULPHIDES	OXIDES	OTHERS	FROM	TO	SAMPLE No.	% Pb.	% Zn.	Oz. Au.	Oz. Ag.		% RECOV.
(186' - 191') Heavy fracturing of pale gray dolomite - crystalline barite and dolo calcite healing most fractures and weakly	FeS_2 ZnS			205	210	14007A	Tr	.35				100
brecciated sections. Thin rims of sphalerite on vein margins and fractures - minor diss. sphalerite throughout dolomite	ZnS			210	215	14008A	Tr	2.52				100
- Iron carbonates form along fractures and stain barite crystals	ZnS			215	220	14009A	Tr	1.98				100
(191' - 205') Same as above except there is less brecciation - more stylolitic structures and larger concentration of barite	ZnS			220	225	14010A	Tr	.87				100
(205' - 210') less sphalerite-barite replaces portions of the matrix - especially rims rounded fragments and small vugs - weak sphalerite with barite	ZnS			225	230	14011A	Tr	.38				100
- fracturing - parallel to core axis (210' - 226') Heavily brecciated and mineralized section Large coarsely crystalline black sphalerite and finer grained green sphalerite rim and occur as blebs in the barite - Zn	Zns minor FeS_2			230	235	14012A	Tr	.22				100
rims sed. structures (218') - 2" massive quartz vein (226' - 240') Massive gray dol. The minor barite that heals	ZnS			235	240	14013A	Tr	.17				100
fractures and follows sedimentary flow banding and pene-contemporaneous slump structures carries minor pale green sphalerite along the barite margins 227' - minor mountain leather and calcite on slickenside surface	ZnS			240	245	14014A	Tr	.24				100
(240' - 250') Massive light gray dolomite. Only relict sed. structures visible - patchy barite along sedimentary bands contains some zinc - Dol. may be weakly silicified as		Hydrozincite		245	250	14015A	Tr	.07				100
stylolites are partially obscured. 246' - minor hydrozincite on one fracture face (250'-286') Massive gray wavy banded dolomite				250	255	14016A	Tr	.11				100
- weak fracturing - moderate stylolitic banding 260' - 263' - heavy stylolitic banding 267' - 270' - section shattered and calcite healed - brown Fe stained carbonate disseminated outward from fractures				255	260	14017A	Tr	Tr				100
- Iron carbonate on rims of pyro-bitumen healed stylolites minor fracturing cuts sedimentary structures and stylolites - no visible zinc				260	265	14018A	Tr	.04				100
- lens of barite (3-8mm) cut through sed. structures 270-286' texture obscured by weak silicification	Minor ZnS			265	270	14019A	Tr.	.05				100

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Property ARCTIC RED Hole No. Cab #1 Logged by J. Bellamy Date Sept. 2, 1974

DESCRIPTION	SULPHIDES	OXIDES	OTHERS	FROM	TO	SAMPLE No.	% Pb.	% Zn.	Oz. Au.	Oz. Ag.		% RECOV.
(286' - 293') Heavy silicified dolomite with crystalline quartz healing of sedimentary breccia fragments - segments of banding and stylolitic structures still visible in core				270	275	14020A	Tr	.32				100
288' - 1 foot massive quartz with vugs lined with silicified calcite crystals				275	280	14021A	Tr	.04				100
- fine brown iron staining along fractures (293' - 299.5') - weakly silicified grey dolomite. Fractures barite and quartz healed - both				280	285	14022A	Tr	.10				100
occur together and are crypto crystalline - 297' - blebs of pyrite occur with the barite - stylolites occur around rounded				285	290	14023A	Tr	Tr				100
sedimentary slump fractures 299' - 4" dolomite heavily cut by stylolitic structures which are healed by pyro-bitumen	ZnS FeS_2			290	295	14024A	Tr	Tr				100
- pyrite blebs and heavy fine grained disseminated gray green sphalerite occur around the stylolites	ZnS FeS_2			295	300	14025A	Tr	.01				100
(299.5' - 303') Heavily brecciated dolomite healed by quartz and a hard silicified dolomite - quartz predominates in the vein filling				300	305	t4026A	Tr	Tr				100
(303' - 326') Gray silicified dolomite which has wavy banding, sedimentary brecciation and a later brecciation which has been quartz healed				305	310	14027A	.01	.02				100
308.5 - 309' Strong shattering and quartz healing - quartz veins 20' to CA 309' - 326' The weak fractures healed by calcite	FeS_2			310	315	14028A	.01	.01				100
Brown stained calcite often accompanied by pyrite and some manganite				315	320	14029A	.01	.01				100
(326' - 348') Dark gray limestone 326' - 328' A coarse grained oolitic limestone with some larger oolites replaced by fine grained brown	strong			320	325	14030A	.01	Tr				100
* sphalerite. Colliform banding of the brown sphalerite occurs in bands along sedimentary flow bands 328' - 333' Oolitic structures get compressed	ZnS FeS_2			325	330	14031A	.01	.01				100
with depth. Oolites are coarse grained calcite and dark limestone in a fine grained gray matrix - pyrite is disseminated in patchy fine grained masses	FeS_2			330	335	14032A	Tr.	Tr				100

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Property ARCTIC RED Hole No. Cab #1 Logged by J. Bellamy Date Sept. 2, 1974

DESCRIPTION	SULPHIDES	OXIDES	OTHERS	FROM	TO	SAMPLE No.	% Pb.	% Zn.	Oz. Au.	Oz. Ag.		% RECOV.
LIMESTONE												
(333'- 348') Dark grey limestone - wavy banded with coarse bands of calcite-limestone along sedimentary flow bands	ZnS FeS_2			335	340	14033A	Tr	Tr				100
- patchy pyrite in blebs throughout - patchy bands of fine grained brown sphalerite along wavy bedding laminae and in thicker bands (<1")	ZnS FeS_2			340	345	14034A	.01	Tr				100
in the more massive limestones - Sphalerite band - 438', 439', 440', 443' (1") 448'	FeS_2											
(348' - 360') Massive fine grained gray dolomite - fine brown stained calcite coats the 5° to core axis fractures in this section				345	350	14035A	.01	Tr				100
353' rounded dolomite breccia fragments, calcite cemented - fractures calcite healed				350	355	14036A	Tr	.01				100
355' - 358' - Fine grained brown band adjoining brown calcite healed fractures - sphalerite ?				355	360	14037A	.01	.11				100
(360' - 397') Fine gray limestone - partially dolomitized in sections				360	365	14038A	Tr	.01				100
360' - 373' - weakly banded wavy nodular limestone - some crystalline limestone fragments				365	370	14039A	Tr	Tr				100
		FeO		370	375	14040A	.01	Tr				100
373' - 376' - Large slightly compressed oolitic limestone				375	380	14041A	.01	.01				100
- fine detrital material cementing oolites - brown weathering adjacent some of the few fractures				380	385	14042A	Tr	Tr				100
				385	390	14043A	Tr	.01				100
(397' - 405') Fine dark gray dolomite 404' - 407' weak interlaminating of limestone and dolomite				390	395	14044A	Tr	Tr				100
				395	400	14045A	Tr	Tr				100

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Property ARCTIC RED Hole No. Cab #1 Logged by J. Bellamy Date Sept. 2, 1974

DESCRIPTION	SULPHIDES	OXIDES	OTHERS	FROM	TO	SAMPLE No.	% Pb.	% Zn.	Oz. Au.	Oz. Ag.		% FECO
(405' - 421') Thick (<1") wavy bands of fine grained grey limestone interbanded with layers of dark grey dolomite and small sections				400	405	14046A	.01	Tr				100
of crystalline limestone detritus - minor disseminated pyrite throughout				405	410	14047A	.01	Tr				100
(421' - 426') large limestone oolites cemented by fine grained oolites and detrital				410	415	14048A	.01	.01				100
limestone. Calcite replacing some detrital fragments. - occasional stylolites through oolitic section				415	420	14049A	.01	Tr				100
426' ½" band of platey black limey dolomite - band 87° to core axis				420	425	14050A	Tr	Tr				100
(426' - 490') Gray weakly dolomitic limestone - fairly massive with fine laminated sections throughout				425	430	14051A	.01	Tr				100
- heavy FeO on 0° - C.A. fracture		FeO		430	435	14052A	Tr	Tr				100
		FeO		435	440	14053A	Tr	Tr				100
				440	445	14054A	Tr	Tr				100
-Interbanded limestones and dolomites -no fracturing -core parts on bedding planes at				445	450	14055A	Tr	Tr				100
87° to core axis -minor blebs of pyrite throughout				450	455	14056A	Tr	.01				100
				455	460	14057A	Tr	Tr				100
				460	465	14058A	Tr	Tr				100

DRILL HOLE LOG

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Property ARCTIC RED Hole No. Cab #2 Logged by J. Bellamy Date Sept. 2, 1974

DESCRIPTION	SULPHIDES	OXIDES	OTHERS	FROM	TO	SAMPLE No.	% Pb.	% Zn.	Oz. Au.	Oz. Ag.		% RECO'Y.
(490' - 505') Gray banded dolomites with limestone bands 80% gray very finely banded dolomites				465	470	14059A	.01	.01				100
				470	475	14060A	Tr	Tr				100
Rust on fractures and bedding planes		FeO on Fractures		475	480	14061A	Tr	Tr				100
				480	485	14062A	Tr	.01				100
		FeO on Fractures		485	490	14063A	Tr	.01				100
				490	495	14064A	Tr	Tr				100
(505' - 513') Interbanded dark dolomites and paler dolomitic limestones	FeS_2			500	505	14065A	Tr	Tr				100
	FeS_2			505	510	14066A	Tr	Tr				100
(513' - 546') Dark interbanded dark and medium gray dolomites	FeS_2			510	515	14067A	Tr	Tr				100
	FeS_2			515	520	14068A	Tr	Tr				100
	FeS_2			520	525	14069A	Tr	Tr				100
	FeS_2	FeO		525	530	14070A	Tr	Tr				100
	FeS_2			530	535	14071A	Tr	Tr				100

DRILL HOLE LOG

BETHLEHEM COPPER CORPORATION LTD.

Property ARCTIC RED Hole No. Cab #1 Logged by J. Bellamy Date Sept. 2, 1974

DESCRIPTION	SULPHIDES	OXIDES	OTHERS	FROM	TO	SAMPLE No.	% Pb.	% Zn.	Oz. Au.	Oz. Ag.		% RECO'Y.
(546' - 548') Limestone partings in dark dolomitic wavy formational flow breccia	FeS_2			535	540	14072A	Tr	Tr				100
- fine pyrite and pyrite in blebs throughout - core appears to cut beds normal	FeS_2			540	545	14073A	Tr	Tr				100
to strike and dip	FeS_2			545	548	14074A	Tr	Tr				100
					E.O.H.							

DRILL HOLE LOG

BETHLEHEM COPPER CORPORATION LTD.

Property	CAB EXTENSION-ARCTIC RED JOINT VENTURE	Hole No.	CAB #2	Bearing	331°	Elevation	approximately 5300'
District	Mayo, Y.T.	Length	258'	Dip	-45°	Overburden	28 feet
Commenced	1 Sept. 1974	Latitude	64°59'40"N	Location:	107' on 274°	Recovery	
Completed	2 Sept. 1974	Longitude	132°31'W	bearing from #1 post, CAB 146		Purpose	angled offset to DDH CAB #1

Logged by: D. A. Lyman
Date: 3 Sept. 1974

DESCRIPTION	SULPHIDES	OXIDES	OTHERS	FROM	TO	SAMPLE No.	% Pb.	% Zn.	Oz. Au.	Oz. Ag.		% RECOV
Overburden (0-28')		very minor oxidation visible to 95'		0	28	NS						0
Quartzite - (28'-48') Light-medium grey, very fine grain.	very weak py. along bedding			28	35	14076	Tr	Tr				100
weak very thin laminations, 50° to core axis, some pyrite on fractures	fractures and minor very fine disseminated			35	40	14077	Tr	Tr				100
	spotty py.			40	45	14078	Tr	Tr				100
				45	50	14079	Tr	Tr				100
Banded Dolomite (48'-72') Medium grey, fine grain, frequent				50	55	14080	Tr	Tr				100
silty and silicified zones, few 3" to 1' silty and sandy zones, also siltstone partings along banding				55	60	14081	.01	Tr				100
				60	65	14082	.01	Tr				100
below 60' - increased darker dolomite fragment content,				65	70	14083	.01	Tr				100
continued silicification common, some very hard zones				70	75	14084	.01	Tr				100
Dolomite (72'-77') Light-medium grey, very fine-fine grain, no				75	80	14085	Tr	Tr				100
fragments, irregular hairline stylitized bedding trace with carbon (pyrobitumen), some silicified zones otherwise featureless				80	85	14086	Tr	Tr				100
Detrital Dolomite (77'-84') Medium-dark grey, very fine grain, colliform												

DRILL HOLE LOG

BETHLEHEM COPPER CORPORATION LTD.

Property CAB EXTENSION - ARCTIC RED JOINT VENTURE Hole No. CAB #2 Logged by D. A. LYMAN Date 3 Sept. 1974

DESCRIPTION	SULPHIDES	OXIDES	OTHERS	FROM	TO	SAMPLE No.	% Pb.	% Zn.	Oz. Au.	Oz. Ag.		% RECOV.
Light Grey Dolomite (84'-98') Light grey, fine grain, massive featureless bedding, 3" to 1' zones of brecciation filled with slightly darker dolomite, very minor quartz and trace pyrite filling of vugs, no open vugs	weak spotty py. in vugs			85	90	14087	Tr	Tr				100
				90	95	14088	Tr	.02				100
Oolitic Limestone (98'-104') Medium-dark grey, muddy, grading from ½" at base to rice size at top, some flattening of larger oolites, surplus muddy black dolomite matrix, 48° approximate bedding				95	100	14089	Tr	Tr				100
				100	105	14090	Tr	.01				100
Dolomite (104'-130') Medium grey, very fine grain, no bedding features, occasional 6" to 2' silty and muddy zones with very thin laminations, less siliceous on the whole than above formations				105	110	14091	.01	.01				100
				110	115	14092	Tr	Tr				100
				115	120	14093	Tr	Tr				100
				120	125	14094	Tr	.01				100
Silty Dolomite (130'-145') Light grey, very fine grain, weak laminations, 50°, some very fine grain pyrite disseminated with oxidation along fractures	very weak fine grain disseminated py.	some oxidation along fracs.		125	130	14095	Tr	.01				100
				130	135	14096	Tr	.01				100
137' and 142' - 6" zones of shaly parting in dolomite with locally weak-moderate very fine grain pyrite along laminations	weak-mod. py. in shaly parting zones			135	140	14097	Tr	.01				100
				140	145	14098	Tr	.01				100
Light Grey Dolomite (145'-170') Light grey, fine grain, weak stylitized hairline bedding traces widely and irregularly spaced.				145	150	14099	Tr	.02				100

DRILL HOLE LOG

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Property CAB EXTENSION - ARCTIC RED JOINT VENTURE Hole No. CAB #2 Logged by D. A. LYMAN Date 3 Sept. 1974

DESCRIPTION	SULPHIDES	OXIDES	OTHERS	FROM	TO	SAMPLE No.	% Pb.	% Zn.	Oz. Au.	Oz. Ag.		% RECOV.
Light Grey Dolomite (145'-170') as above, locally weak-moderate fracturing at high angle to bedding, light grey to white dolomite filled with lesser quartz, increased reddish				150	155	14100	Tr	.04				100
sphalerite in fractures with depth, some barite may be present in fracture fillings 159' - locally some coarse oatmeal-like	locally weak-mod. sphalerite			155	160	14101	Tr	.49				100
sphalerite disseminations adjacent veinlets	in fracs. separate very weak py. blebs			160	165	14102	Tr	.14				100
				165	170	14103	Tr	.12				100
Black Dolomite (170'-258') EOH Dark grey to black, very fine-fine grain, wavy very thin to thin banding, few white dolomite and barite(?) blebs along bedding and in very weak cross fractures.	very weak sphalerite in bed fracs. and cross			170	175	14104	Tr	.50				100
Also, above 176' more fractured with white dolomite filling common, trace sphalerite	fracs. very weak pyrite			175	180	14105	Tr	.02				100
				180	185	14106	.01	.03				100
below 176' - very weak spotty pyrite, little dolomite	very weak spotty py. blebs along			185	190	14107	Tr	.02				100
fracture filling	bedding			190	195	14108	Tr	.02				100
1½' formational breccia with sub-angular to angular fragments of banded dolomite, black dolomite matrix	weak pyrite in breccia vugs			195	200	14109	Tr	.01				100
				200	205	14110	Tr	.01				100
				205	210	14111	.01	.01				100
				210	215	14112	Tr	.04				100

DRILL HOLE LOG

BETHLEHEM COPPER CORPORATION LTD.

Property CAB EXTENSION - ARCTIC RED JOINT VENTURE Hole No. CAB #2 Logged by D. A. LYMAN Date 3 Sept. 1974

DESCRIPTION	SULPHIDES	OXIDES	OTHERS	FROM	TO	SAMPLE No.	% Pb.	% Zn.	Oz. Au.	Oz. Ag.		% RECOV.
Black Dolomite (170'-258' EOH) as above, very weak pyrite along banding	spotty py. along bed-			215	220	14113	Tr	.01				100
	ding fracs. as elongate blebs, also			220	225	14114	Tr	.01				100
	in slump rolls, no sphalerite			225	230	14115	Tr	Tr				100
				230	235	14116	.01	.01				100
				235	240	14117	Tr	.01				100
				240	245	14118	Tr	Tr				100
248' - white dolomote, very fine grain pyrite and barite(?) healing 8' brecciated interval	very weak, py. in			245	250	14119	Tr	.01				100
	breccia vugs			250	258	14120	Tr	Tr				100
					EOH							

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	
Commenced 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.	% RECOV
Overburden to 21'		light limonite on fractures		0	21	NS					0
Silicified Dolomite (21-23') Light grey, very fine grain, heavily silicified		common to 118'		21	25	14121	.01	.01			85
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			85
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			100
(32'-35') - mottled pebble breccia texture (34') - short 1/16" white dolomite-filled gash fractures, 20° (36'-38') - carbon trace in micro fractures subparallel core	gr. Py.			35	40	14124		.03			100
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",	locally 5% Py.			40	45	14125		.01			100
weak hairline fractures healed by white dolomite, 0 to 20°	trace-very weak pyrite in vugs			45	50	14126		.01			100
(41-45') - locally >5% pyrite filling irregular vugs subparallel bedding, white dolomite centers to vugs and few white dolomite fracture fillings cutting pyrite				50	55	14127		Tr			100
(58-68') - weak fracturing with limonite coatings, 20°-50°				55	60	14128		.01			100
				60	65	14129		.01			100
				65	70	14130		.01			98
(71-74') - locally 1/16" to ½" stylitized bedding with carbon trace and minor pyrite	very weak pyrite in vugs parallel bedding			70	75	14131		.01			100

DRILL HOLE LOG

BETHLEHEM COPPER CORPORATION LTD.

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.		% RECOV.
Dolomite (38'-84') with limonite staining along bedding fractures below 73'		light limonite on low angle fracs. 0 to 20°		75	80	14132		.02				95
(78-84') - strong to moderate fracture with limonite coatings, 20 to 40°		common to 180' 78-80' -		80	85	14133		.01				100
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 limonite after Py. in shatter		85	90	14134		Tr				100
				90	95	14135		Tr				100
				95	100	14136		Tr				100
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				100
Dolomite (100' - 203') Light grey, very fine grain, erratic stylitized bedding, irregular oblong vugs subparallel bedding filled with occasional fine grain pyrite and later white	scattered coarse Py. in vugs to 1"			105	110	14138		.05				100
crystalline dolomite; pyrite tends to occupy the stratigraphic bottom of the vug. Weak white-dolomite healed fractures 20° to 40° to core axis, possible barite	trace Sph.			110	115	14139		.02				100
(108-111') - locally 25% fine grain pyrite in irregular vugs with white dolomite centers				115	120	14140		.01				100
				120	125	14141		.01				100
				125	130	14142		Tr				100
(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				100

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Dolomite (100'-203') Light grey, as above, increasing but erratic silica (silt?) content with depth, irregular 1' to ¼" laminae defined by hairline dark dolomite stylitized trace	some medium gr. dissem. Py., most	light limonite on low angle fracs.		140	145	14145		.04				100
	Py. is conc in large vugs along	0-20° to 180'		145	150	14146		Tr				100
	bedding (90°)			150	155	14147		.01				100
				155	160	14148		.03				100
				160	165	14149		Tr				100
				165	170	14150		Tr				100
				170	175	14151		.01				100
				175	180	14152		Tr				100
188-203' - concentrations of pyrite in ½" to 4" vug systems increasingly vuggy and broken with depth, weak spotty straw-				180	185	14153		.01				100
colored sphalerite in white dolomite fillings below 195'				185	190	14154		.02				100
				190	195	14155		.03				100
	weak straw-colored Sph. in white			195	200	14156		.07				100
	dolo. filled vugs			200	205	14157		.02				100

DRILL HOLE LOG

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Property CAB GROUP ARCTIC RED J.V. Hole No. CAB #3 Logged by D. A. LYMAN Date 6 Sept. 1974

DESCRIPTION	SULPHIDES	OXIDES	OTHERS	FROM	TO	SAMPLE No.	% Pb.	% Zn.	Oz. Au.	Oz. Ag.		% RECOV.
Dark Grey Dolomite (203'-240') Medium-dark grey, fine grain, heavily broken by low angle irregular fracturing which is filled by white fine grain dolomite, many brecciated	scattered Py. rimming fragments	205-215' weak Fe.Ox. on 20° fracs.		205	210	14158		Tr				100
intervals with sub-angular to angular fragments	and in vugs			210	215	14159		.12				100
				215	220	14160		.01				100
		221-223' weak Fe.Ox. on 5° frac.		220	225	14161		.05				100
(225'-230') Brecciated interval healed with white quartz and medium grey fine grain matrix, irregular rounded flattened fragments				225	230	14162		Tr				100
(235') - locally with moderate medium grain disseminated pyrite				230	235	14163		.01				100
				235	240	14164		.01				100
Black Dolomite (240'-328') Dark grey-black, very fine grain, weak erratic banding above 262', platey weakly discernible 1/32" or less banding below 262' to 285', below 285' erratic				240	245	14165		.01				100
wavy colliform banding 1/16"				245	250	14166		.01				100
252' - thin fine grain pyrite rimming oolitic nodules along bedding				250	255	14167		.01				100
258' - 1/3" clear calcite filled fracture, 10°, scattered pyrite, blue-colored clear calcite rims along wall-rock	weak Py. in fracs., very			255	260	14168		Tr				100
	weak fine-med. gr. euhedral			260	265	14169		Tr				100
	dissem. Py.			265	270	14170		.01				100

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ARCTIC RED J.V.

DESCRIPTION	SULPHIDES	OXIDES	OTHERS	FROM	TO	SAMPLE No.	% Pb.	% Zn.	Oz. Au.	Oz. Ag.		% RECOV.
Black Dolomite (240'-338') as above				270	275	14171		Tr				100
				275	280	14172		.01				100
				280	285	14173		.01				100
				285	290	14174		Tr				100
				290	295	14175		Tr				100
				295	300	14176		Tr				100
				300	305	14177		Tr				100
				305	310	14178		Tr				100
				310	315	14179		Tr				100
				315	320	14180		.01				100
320' - scattered pyrite on hairline fracture parallel core				320	325	14181		.01				100
				325	328	14182		Tr				100
					EOH							