82-288-10353

DRILLING AND GEOCHEMICAL SURVEY REPORT

on the

BJ AND CB MINERAL CLAIMS

POLLEY MT. AREA - CARIBOO MINING DIVISION

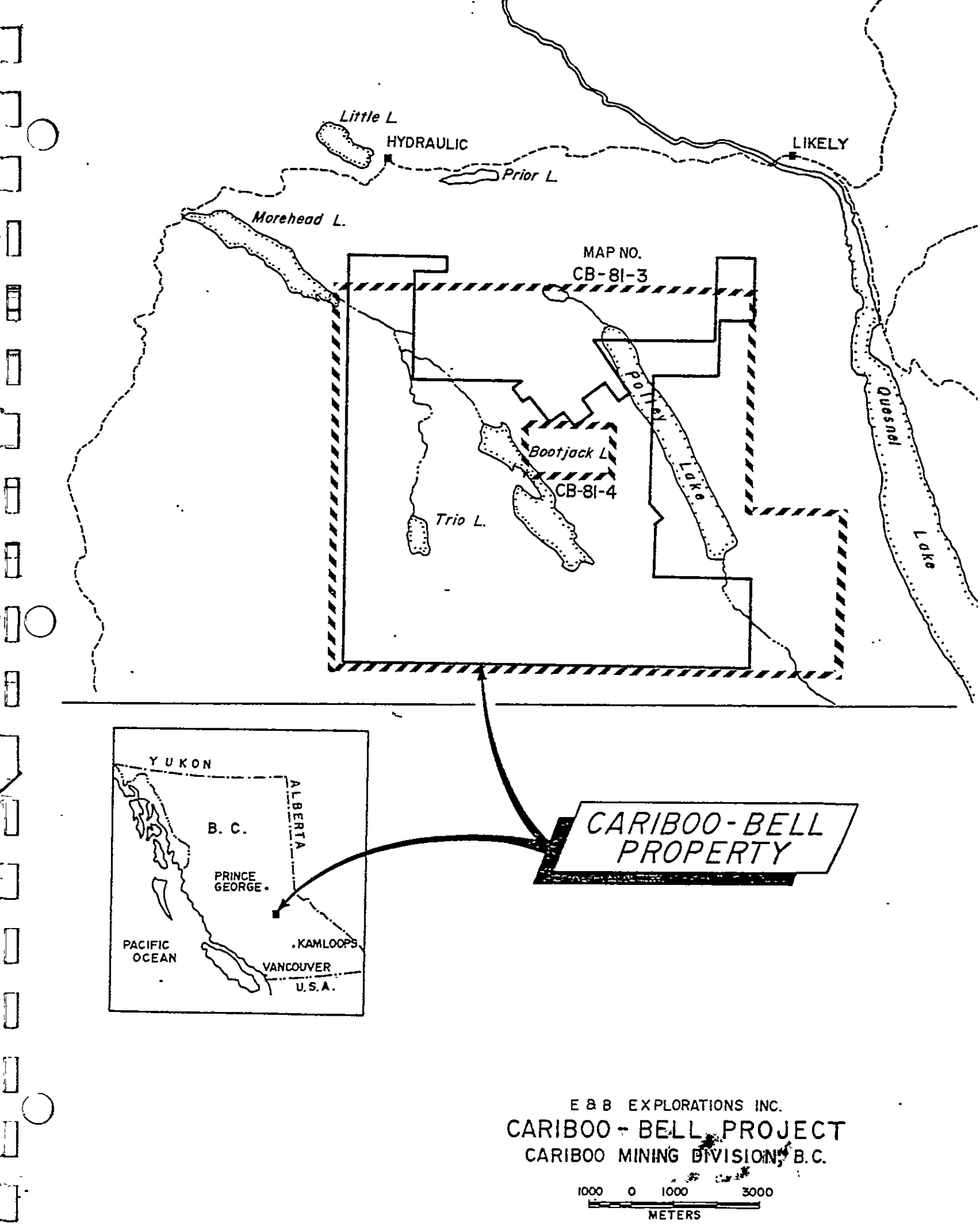
LATITUDE - 52°33'N
LONGITUDE - 121°38'W
N.T.S. - 93A/12E

OWNERS - HIGHLAND-CROW RESOURCES LTD.
1177 West Hastings Street
Vancouver, B.C. V6E 2K5

and

E & B EXPLORATIONS INC.
1440 - 800 West Pender Street
Vancouver, B.C. V6C 2V6

RONALD G. SIMPSON, PROJECT GEOLOGIST
DECEMBER 1981



E & B EXPLORATIONS INC.

CARIBOO - BELL PROJECT

CARIBOO MINING DIVISION, B.C.

1000 0 1000 3000

METERS

CARIBOO BELL PROJECT
REPORT ON 1981 EXPLORATION WORK

I N D E X

SECTION A - SUMMARY OF WORK

Introduction

This report details the work carried out by E & B Explorations Inc. on the Cariboo-Bell Property located near Quesnel Lake in south central British Columbia.

Cariboo-Bell is classified as a Triassic alkaline porphyry deposit. Porphyry type copper-gold mineralization occurs in and around two adjacent breccia zones near the top of a subvolcanic intrusive complex. Previous exploratory work by Cariboo Bell Copper Mines and Highland Crow Resources Ltd. has established reserves of 35 million tons grading 0.42% Cu and 0.014 oz/T Au at a cutoff grade of 0.30% Cu. Oxide ore accounts for approximately 30% of the total, mixed sulfide-oxide ore for 12%, and sulfide ore for 56%.

The objectives of the 1981 exploration program were to expand the previously outlined reserves, to explore subsidiary zones and to better define the gold content and distribution. In addition, limited reconnaissance exploration was carried out in the surrounding area.

Preliminary work conducted in May and June consisted of reconnaissance geochemical soil survey to explore areas to the west and south of the original claims.

Logging in recent years had obliterated most of the old survey and claim lines and so it was decided to conduct a control survey program over the main deposit. This was carried out in July and October by McWilliam, Whyte, Goble and Associates of Prince George, B.C.

Seven diamond drill holes were completed during July and August totalling 1747 meters. A further 8 holes, totalling 1295 meters, were drilled in November using a rotary drill rig with down-hole hammer.

Access road and site construction was carried out by L. Trehearne Construction of Likey, B.C. using a Fiat-Allis HD 21-B bulldozer with ripper. A core storage shed was built on site by the same contractor.

Claim Status

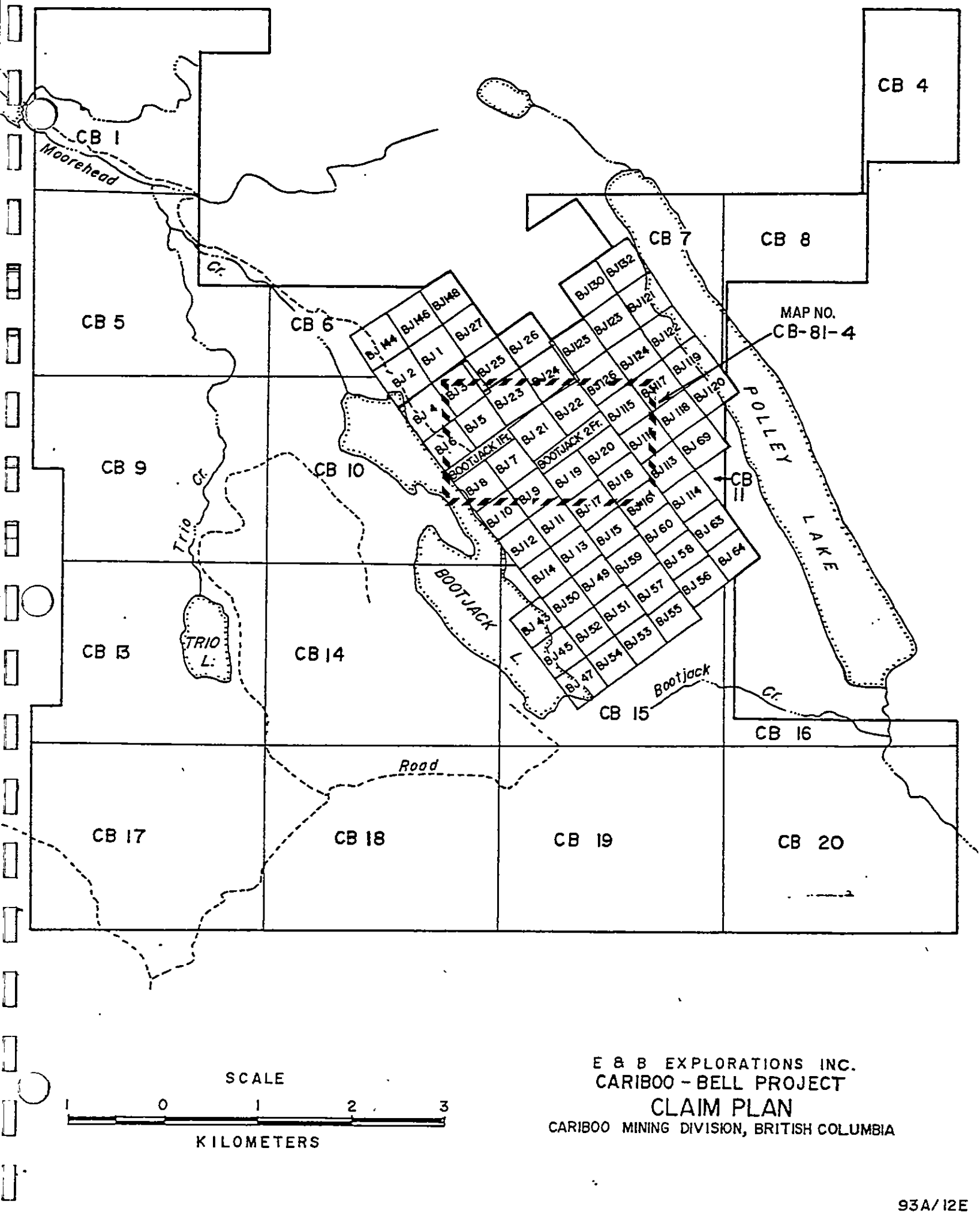
Staking carried out by E & B Explorations Inc. during April 1981 brought total coverage to 83 mineral claims (361 units). In addition, 23 placer claims were located over the area of the main deposit. Claim details are summarized as follows:

Claim Name	No. of Units	Record No.	Recording Date	Expiry Date
BJ 1-6	6	28639-644K	13 Aug 64	13 Aug 83
BJ 7	1	28645	13 Aug 64	13 Aug 84
BJ 8	1	28646	13 Aug 64	13 Aug 83
BJ 9	1	28647	13 Aug 64	13 Aug 84
BJ 10	1	28648	13 Aug 64	13 Aug 83
BJ 11	1	28649	13 Aug 64	13 Aug 84
BJ 12-14	3	28650-52K	13 Aug 64	13 Aug 83
BJ 15-18	4	28653-656K	13 Aug 64	13 Aug 82
BJ 19, 20	2	28657, 58K	13 Aug 64	13 Aug 85
BJ 21	1	28659	13 Aug 64	13 Aug 83
BJ 22-24	3	28660-662K	13 Aug 64	13 Aug 84
BJ 25-27	3	28663-665K	13 Aug 64	13 Aug 83
BJ 43	1	28978M	15 Sep 64	15 Sep 83
BJ 45	1	28980	15 Sep 64	15 Sep 83
BJ 47	1	28982	15 Sep 64	15 Sep 83
BJ 49	1	28984M	15 Sep 64	15 Sep 82
BJ 50	1	28985M	15 Sep 64	15 Sep 83
BJ 51	1	28986M	15 Sep 64	15 Sep 82
BJ 52	1	28987M	15 Sep 64	15 Sep 83
BJ 53	1	28988M	15 Sep 64	15 Sep 82
BJ 54	1	28989M	15 Sep 64	15 Sep 83
BJ 55-60	6	28990-995M	15 Sep 64	15 Sep 82
BJ 63, 64	2	28996-997M	15 Sep 64	15 Sep 82
BJ 69	1	29002M	15 Sep 64	15 Sep 83
BJ 113, 114	2	29046, 47M	15 Sep 64	15 Sep 82
BJ 115, 116	2	29048, 49M	15 Sep 64	15 Sep 83
BJ 117-120	4	29050-53	15 Sep 64	15 Sep 82
BJ 121-126	6	29054-59M	15 Sep 64	15 Sep 83
BJ 130	1	29063M	15 Sep 64	15 Sep 83
BJ 132	1	29065M	15 Sep 64	15 Sep 83
BJ 144	1	31175P	12 Nov 65	12 Nov 83
BJ 146	1	31177P	12 Nov 65	12 Nov 83
BJ 148	1	31179P	12 Nov 65	12 Nov 82
Bootjack #1 Fr.	1	29851G	02 Jun 65	02 Jun 83
Bootjack #2 Fr.	1	29852G	02 Jun 65	02 Jun 87

Claim Name	No. of Units	Record No.	Recording Date	Expiry Date
CB 1	20	3401 (5)	4 May 18	4 May 82
CB 4	8	3402 (5)	4 May 18	4 May 82
CB 5	20	3403 (5)	4 May 18	4 May 82
CB 6	15	3404 (5)	4 May 18	4 May 82
CB 7	20	3405 (5)	4 May 18	4 May 82
CB 8	8	3406 (5)	4 May 18	4 May 82
CB 9	20	3407 (5)	4 May 18	4 May 82
CB 10	20	3408 (5)	4 May 18	4 May 82
CB 11	4	3409 (5)	4 May 18	4 May 82
CB 13	20	3410 (5)	4 May 18	4 May 82
CB 14	20	3411 (5)	4 May 18	4 May 82
CB 15	20	3412 (5)	4 May 18	4 May 82
CB 16	20	3413 (5)	4 May 18	4 May 82
CB 17	20	3414 (5)	4 May 18	4 May 82
CB 18	20	3415 (5)	4 May 18	4 May 82
CB 19	20	3416 (5)	4 May 18	4 May 82
CB 20	20	3417 (5)	4 May 18	4 May 82

Location and Access

The Cariboo Bell deposit is located 56 km northeast of Williams Lake in the Cariboo Mining division of south-central British Columbia. Access is obtained via 90 kilometres of all-weather road from Highway 97 at 150 Mile House. An access road into the property leaves the Williams Lake - Likely road 1.5 km past Moorehead Lake. The nearest settlement is the town of Likely located at the head of Quesnel Lake, 8 km to the northwest.



SCALE

1 0 1 2 3

KILOMETERS

E & B EXPLORATIONS INC.

CARIBOO - BELL PROJECT

CLAIM PLAN

CARIBOO MINING DIVISION, BRITISH COLUMBIA

93A/12E

Topography and Physical Environment

The Cariboo Bell deposit underlies the west side of Polley Mountain between Bootjack and Polley Lakes. Elevations in the vicinity range from 915 to 1260 metres.

The area is fairly heavily timbered with spruce, balsam, cedar and fir. The cedar is best developed in the southern and northern parts of the claim group. Since 1975 the area has been subjected to extensive logging and up to the present time over half of the property has been cleared and replanted. Heavy secondary growth has obscured many old roads and trenches while logging has obliterated old claim and survey lines.

History

The Cariboo Bell deposit was initially staked in 1964 by Mastodon-Highland Bell Mines Ltd. in partnership with Leitch Gold Mines Ltd. after copper oxides were discovered at the site of a prominent aeromagnetic anomaly.

Early exploration consisted of bulldozer trenching along with geochemical and magnetometer surveys. Results from this initial work led to the formation of a new company, Cariboo-Bell Copper Mines Limited, which began drilling in 1966 and was joined subsequently by a consortium of Japanese companies which later withdrew owing to metallurgical difficulties presented by the degree of oxidation of the deposit. In 1977, Highland Crow Resources Ltd. acquired control of Cariboo Bell Copper Mines Ltd.

Between 1966 and 1970, 18,341 meters of diamond drilling and 7257 meters of percussion drilling were completed.

Geophysical surveys including aeromagnetics, seismic and induced polarization were carried out in 1970. An additional 3102 meters of percussion drilling were completed between 1972 and 1979 bringing total drilling on the property to 28,700 meters (94,159 feet).

Under an agreement with Highland Crow Resources Ltd. dated April 29, 1981, E & B Explorations Inc. was granted an option to acquire up to an undivided 50%, interest in and title to the Cariboo Bell property.

Ground Control Survey

McWilliam Whyte, Goble and Associates of Prince George, B.C. were engaged to carry out a ground control survey over the main Cariboo Bell ore zones in June 1981. The purpose of the survey was to more accurately locate the positions of old drill holes. A grid was established with origin at the top of Polley Mountain and drill sites were located by means of traverse hubs.

An additional survey program was carried out in October to accurately locate original claim posts and 1981 diamond drill sites. Peripheral roads were also surveyed and control points established.

Geochemical Survey

From May 23 to June 5, 1981, soil and rock geochemical sampling was carried out over selected areas of the recently staked CB claim group, west and south of Bootjack Lake. Seventeen lines were run with soil or rock samples collected at 50 meter intervals. A total of 338 soil samples and 11 rock samples were analyzed for Cu and Au at Vangeochem

Laboratories Ltd. Results of the survey revealed only background Cu and Au values in the areas tested.

Sample locations are plotted on map CB-81-3 and laboratory reports are appended in Section C.

Diamond Drilling

A diamond drilling program was carried out on the Cariboo Bell property from July 3rd to August 10th, 1981. Seven NQ diameter holes were drilled to depths ranging from 483 to 920 feet with combined total footage of 5727 feet (1745.6 meters). Rainbow Drilling Company Ltd. of Merritt, B.C. was engaged to carry out the work using a Longyear Super-38 drill rig.

The purpose of the program was to test the down dip (eastward) extension of the Central and Western zones as a preliminary step towards developing addiional reserves and to better define the gold distribution.

The drill core was split and ten-foot sections assayed at Min-En Laboratories Ltd. for total Cu, non-sulfide Cu and Au.

Holes S-81-230, 231 and 232 intersected the eastward dipping mineralized breccia on the eastern border of the Central Zone.

Hole S-81-233, collared between the Central and West zone failed to intersect any significant mineralization and was abandoned due to severe circulation loss and caving in a major fault zone.

DRILL HOLE SUMMARY

Hole No.	Lat.	Dep.	Elev.	Azim.	Angle	Overburden	Depth
S-81-230	7868.3	9559.8	3784.0	270°	-50°	4	900
S-81 231	8508.9	9233.1	3870.2	-	-90°	22	770
S-81 232	8926.5	944.9	3888.1	270°	-62°	30	834
S-81 233	9322.8	8291.3	3859.7	270°	-50°	16	483
S-81 234	9153.4	7567.2	3873.5	270°	-59°	10	906
S-81 235	8667.6	7763.2	3821.2	-	-40°	20	914
S-81 236	8269.6	7257.0	3683.2	090°	-56°	10	920
						106	5727

MINERALIZED INTERSECTIONS

DDH	from (ft)	to (ft)	length (ft)	Total Cu %	Cu Oxide %	Au (oz/ton)	Cu Equivalent* %	Au:Cu ($x10^{-4}$)
S-81-230	380	490	110	.230	.109	.009	.446	1.34
	770	900	150	.328	.049	.015	.693	1.57
S-81-231	80	230	150	.435	.180	.013	.758	1.02
S-81-232	610	810	200	.195	.019	.013	.527	2.29
S-81-233	No mineralization intersected							
S-81-234	480	650	170	.350	.153	.012	.654	1.18
	730	890	160	.217	.075	.008	.415	1.25
S-81-235	110	190	80	.198	.180	.007	.373	1.21
	280	440	160	.298	.182	.013	.623	1.50
S-81-236	10	280	270	.435	.269	.007	.612	0.56
	320	820	500	.451	.108	.013	.764	0.95
	10	820	810	.427	.158	.010	.682	

* Au Equivalent (%) = Au (oz/ton) x 25 + Cu (%)

The eastern border of the West zone was tested by S-81-234 and 235 both of which penetrated zones of oxide and mixed oxide-sulfide copper mineralization at depths ranging from 100 to 800 feet.

The southern portion of the West zone was explored by S-81-236 which passed through 180 feet of oxide copper mineralization before entering a predominantly sulfide ore zone extending to a depth of 820 feet.

Assay reports and drill logs are appended in Sections C and D respectively. Drill hole locations are plotted on map CB-81-4.

Rotary Drilling

A rotary drilling program was carried out on the Cariboo Bell property from November 7 to 26, 1981. Seven 5 1/2 inch (14 cm) diameter holes were completed totalling 1296 meters (4252 ft.). Equipment consisted of a Cyclone TH-60 drill rig with down-hole hammer. The contractor was Can-West Drilling Ltd. of Prince George, B.C.

The intent of the program was to evaluate the usefulness of percussion/rotary drilling as an alternative to diamond drilling and as a means to get larger representative samples for metallurgical testing.

Cuttings from every five foot interval were split and collected in two cloth sample bags, one of which was shipped to Vancouver for assay at MIN-EN Laboratories and the other retained for later use. In addition, 40 dram vial samples were collected every five feet for visual logging purposes.

Water was encountered in all holes at depths ranging from 4 to 120 meters and approximately two thirds of the samples were collected wet. This caused some concern as the lighter fines floated off resulting in a concentration effect. The assay results did not reflect any noticeable change during the transition from air to water but due to the somewhat erratic distribution of the mineralization within the deposit no firm conclusion could be reached.

Water flow exceeding 200 G.P.M. was encountered in two holes, R-81-1 and R-81-7, causing them to be abandoned before reaching their intended depth. A flocculant was added while drilling with water in order to supress sulfide flotation.

DRILL HOLE SUMMARY
(Locations Approximate)

Hole No.	Latitude N	Departure E	Elevation (ft.)	Overburden (ft.)	Depth (ft.)
R-81-1	8,267	7,106	3,653	18	780
R-81-2	8,702	7,258	3,780	2	150
R-81-2A	8,700	7,258	3,780	6	205
R-81-3	9,500	8,800	3,990	2	600
R-81-4	9,910	8,830	3,990	3	600
R-81-5	10,265	8,850	3,910	2	700
R-81-6	10,700	8,920	3,815	5	700
R-81-7	4,630	11,500	3,630	10	515
				48	4,250

MINERALIZED INTERSECTIONS

Drill Hole	from (ft)	to (ft)	length (ft)	Total Cu %	Cu Ox %	Au (oz/ton)	Cu Equivalent* %	Au:Cu ($x10^{-4}$)
R-81-1	130	430	300	.264	.105	.005	.389	0.65
	430	740	310	.263	.032	.009	.476	1.17
	130	740	610	.263	.068	.007	.433	0.91
R-81-2	0	150	150	.120	.107	.004	.223	1.14
R-81-2A	0	205	205	.125	.098	.003	.199	0.82
R-81-3	270	450	180	.077	.011	.009	.295	4.01
R-81-4	0	600	600	.200	.054	.015	.583	2.57
R-81-5	50	280	250	.242	.021	.011	.524	1.56
	320	610	290	.218	.019	.007	.401	1.10
R-81-6	60	240	180	.301	.025	.007	.468	0.80
R-81-7	10	50	40	.025	-	.018	-	24.69

* Au Equivalent % = [Au (oz/ton) x 25] + [% Cu]

Holes R-81-1 and R-81-2 were drilled in an attempt to expand reserves in the west zone. Hole R-81-1 intersected mineralized breccia for most of its length. From 45 to 130 feet the only copper minerals noted were chryocolla and copper oxides. From 130 to 205 both chalcopyrite and copper oxide minerals were present. Native copper was noted in the intervals 205 to 260 feet and 310 to 450 feet, along with minor chalcopyrite and copper oxides. From 450 feet to the end the hole chalcopyrite and pyrite occurred in varying amounts. Magnetite was present throughout the hole in concentrations of 4 to 6%. Au:Cu ratios were lower than normal in the oxide zone (0-430 feet) but increased to normal levels in the sulfide zone.

R-81-2 passed through 150 feet of poorly mineralized breccia before being terminated due to hole deviation. A second hole, R-81-2A was collared immediately adjacent to R-81-2 but intersected the former hole at a depth of 110 feet and had to be abandoned at 205 feet due to deviation. The steepness of the terrain in this location precluded another attempt at this time as it would have required the construction of a second site further to the west. Even though poorly mineralized the holes did indicate that the oxide zone in this location extends deeper than 205 feet.

Drill holes R-81-3, 4, 5, and 6 were intended to further investigate the North zone and its connection with the Central Zone. All holes intersected what appeared to be either monzonite or monzonite breccia, predominantly orange-stained with 3 to 4% magnetite. Pyrite content increased dramatically to the north. The main copper mineral was chalcopyrite with traces of bornite locally.

The Au:Cu ratio was higher than normal in holes R-81-3 and 4 but dropped markedly in R-81-5 and 6 to the north.

R-81-7 was an exploratory hole drilled in the pyrite halo 1220 metres (4000 ft.) southwest of the Central zone. Anomalous gold values ranging from .005 to .046 oz/ton were encountered in the first 50 feet. Gold values did not exceed .002 oz/ton in the remainder of the hole.

Drill hole logs are appended in Section D, assay reports in Section C. Drill hole locations are plotted on map CB-81-4.

Respectfully submitted,

R. G. Simpson, B.Sc.
Project Geologist

PART C GEOCHEMISTRY

C-1 Field, Analytical and Data Processing Procedures

Upper "B" horizon soil samples were collected by an Aquarius Resources field crew over the ground control grid and at 25 m intervals along cross lines spaced 200 m apart. Soil samples were collected with a soil auger at depths varying between 0.3 and 1 m. Samples were then placed in a pre-numbered kraft paper soil bag. Descriptions of the soil sample were recorded by the sample persons and included a color and texture record in addition to a brief description of the sample site (ground cover, slope, etc.). The samples were then packaged and delivered to Min-En Labs of North Vancouver, where they were analyzed (the 997 samples) for Gold (Au), Silver (Ag) Molbydenum (Mo) and Copper (Cu), with analysis by normal atomic adsorption techniques. The results of the four element analysis of the Upper B horizon soil samples were received in File #1-931, 1-964, 1-972 and 1-1048 in October of 1981.

The geochemical information was statistically processed by Mr. G. Giroux, of Montgomery Consultants Ltd., at the University of British Columbia Computing Centre on November 27, 1981, and a copy of the results are appended.

STATEMENT OF QUALIFICATIONS

RONALD G. SIMPSON

1. Attended the University of British columbia and graduated in May 1975 with a B.Sc. degree in Geology.

2. Employed by Cominco Ltd. as an exploration geologist from May to October 1975 and was involved in lead-zinc exploration in the Yukon and Northwest Territories.

3. Employed by the Geological Survey of Canada in their Vancouver office from November 1975 to April 1976.

4. Employed by Bethlehem Copper Corporation as a project geologist from April 1976 to March 1981 and has been involved in base and precious metal exploration in the Yukon, Northwest Territories, B.C. and Washington State.

5. Commenced employment with E & B EXPLORATIONS INC. in March 1981 as project geologist assigned to the Cariboo-Bell Project.

SECTION B

1981 Field Work (May 20 - June 5

Cost Summary

I Geochemical Soil Survey (May 20 - June 5)

Laboratory - Vangeochem Labs. Ltd. 338 soil analyses for Cu and Au @ $6.65/sample 11 rock analyses @ $8.30/sample		$2,339.00
Field Equipment - sample bags, chain saw etc.		3,198.85
Accommodation - Moorehead Lake Resort and Cafe		1,160.10
Transportation - vehical rental @ $842.70/month fuel and maintenance @ $334.08		755.43
Field Personnel Salaries:		
Geologist: R. Simpson, May 20-June 5 (17 days)	$2116.16	
Field Assistants: S. Kemp, May 23-June 5 (14 days)	975.94	
R. Chambers, May 20-June 5(17 days)	1478.84	
	4570.94	4,570.94
Total		$12,024.32

Claim Distribution

CB-9	$4,485.07
CB-10	1,418.87
CB-15	817.65
CB-19	5,302.73

II Diamond Drilling Program (July 1 - August 16

Drilling - 1745.6 meters NQ core contractor: Rainbow Drilling			$109,674.17
Laboratory - 639 assays for Cu and Au @ $18.25/sample 417 assays for Cu oxide @ $5.50/sample 5 assays for Mo and Ag @ $16.00/sample 4 60 element spectrographic analyses @ $400/sample Min-En Laboratories			14,168.25
Field Equipment - core boxes, sample bags, core racks etc.			3,290.47
Accommodation - Moorehead Lake Resort			4,485.56
Transportation - vehicle rental @ $842.70/mo fuel and maintenance @ $816.44 freight costs @ $1190.98			3,271.47
Site Work - core shack construction $5743.68 catwork: 74 hrs. @ $97.44/h4 standby @ $2000/month Contractor - Trehearne Construction;			15,954.24
Field Personnel Salaries:			
Geologist: R. Simpson - 47 days		$5,850.56	
Assistants: S. Kemp: July 1-Aug 16 (47 days)		3,276.37	
R. Chambers: July 1- Aug.9 (40 days)		2,688.80	11,815.73
	Total		$162,659.89

Distribution

BJ 7	$ 52,051.16
BJ 19	25,537.60
BJ 21	39,526.35
BJ #2 Fract.	45,544.78

III Rotary Drilling Program (Nov. 3 - Nov. 24)

Drilling - 1295.4 meters; 14 cm diam. holes Contractor: Can West Drilling	$58,634.49
Laboratory - 429 assays for Cu and Au @ $18.25/sample 377 assays for Cu oxide @ $5.50/sample Min-En Laboratories	9,902.75
Field Equipment - sample bags, plastic vials, barlap sacks, portable generator	2,140.92
Accommodation	2,706.27
Transportation - 1 4 x 4 pickup @ $842.70/mo 1 2 x 4 pickup @ $306.34/mo fuel and maintenance @ $671.42 freight costs @ $894.20	2,714.66
Site Work - catwork: 58.5 hrs. @ $77.44/hr standby @ $2000/month fuel tank @ $335.00	8,035.24
Field Personnel Salaries Geologist: R. Simpson - 28 days $ 3,485.44 Assistant: M. Edmundson - 20.5 days 1,020.70	4,506.14
	$88,640.47

Distribution

BJ 7	$ 16,309.85
BJ 13	10,725.50
BJ 21	12,498.31
BJ 22	27,123.98
BJ 24	14,625.67
BJ #1 Fract	7,357.16

IV Surveying $12,137.52

(McWilliam Whyte, Goble & Associates)

Total $275,462.20

Surveying

BJ 5, 7, 21, 22, #1 FR., #2 FR.	80%	$ 9,710.02
BJ 9, 19, 24	10%	$ 1,213.75
BJ 1, 2, 4, 6, 8, 11, 10, 12, 13, 14, 123, 124, 125, 126, 130	10%	$ 1,213.75

204 - 153 SEYMOUR STREET
KAMLOOPS, BRITISH COLUMBIA

INVOICE 33

TELEPHONE: 372-8835

DATE June 30, 1981

McWilliam, Whyte, Goble & Associates

BRITISH COLUMBIA LAND SURVEYORS
KAMLOOPS — PRINCE GEORGE — SMITHERS -- SALMON ARM

E. & B. Exploration Inc.
Suite 1440
800 West Pender St.
Vancouver, B.C.
V6C 2V6

A service charge of 1½% ($1.00 min.) per month, 18% per annum, will be charged on statement balances carried forward from previous month.

OUR JOB # 81138

YOUR FILE #

Invoice #13611 and 13612

TO: Tie in existing Drill Hole and supply

Co-Ordinates and elevations.

B.C.L.S. Fees	$3960.00	Geo Geo
Field Wages	$3184.00	Geo Other
Truck	$ 520.00	Transport
Field Expenses	$ 12.00	Field Misc
Board & Room	$ 258.35	Camp/E+P
Equipment Rental	$ 520.00	Field Misc
Our Fee	$8454.35	✓

McWilliam, Whyte, Goble & Associates

Dale Keown

D. Keown, B.C.L.S.

153 SEYMOUR STREET
KAMLOOPS, BRITISH COLUMBIA

INVOICE

TELEPHONE: 372-8835

DATE October 30, 1981

McWilliam, Whyte, Goble & Associates

BRITISH COLUMBIA LAND SURVEYORS
KAMLOOPS — PRINCE GEORGE — SMITHERS -- SALMON ARM

E. & B. Explorations Inc.
Suite 1440 800 West Pender St.
Vancouver, B.C.
V6C 2V6

Attention: Mr. R. Simpson

A service charge of 1½% ($1.00 min.) per month, 18% per annum, will be charged on statement balances carried forward from previous month.

OUR JOB # 81139

YOUR FILE #

Invoice # 13798

TO: Additional Control at Polley Mountain Site.

B.C.L.S. Fees	$2040.00
Field Wages	$ 945.00
Trucks	$ 250.00
Field Expenses	$ 46.00
Printing	$ 5.00
Room & Board	$ 165.17
Computer	$ 32.00
Equipment Rental	$ 200.00
Our Fee	$3683.17

McWilliam, Whyte, Goble & Associates

D. Keown, B.C.L.S.

SECTION C - LABORATORY REPORTS

1981 GEOCHEMICAL ANALYSES

VANGEOCHEM LAB LTD.
1521 PEMBERTON AVE.,
NORTH VANCOUVER, B.C.,
CANADA V7P 2S3

TELEPHONE: 986-5211
AREA CODE: 604

Cariboo Bell

• *Specialising in Trace Elements Analyses* •

Certificate of Geochemical Analyses

–IN ACCOUNT WITH–

E & B Explorations Inc.
#1440 – 800 W. Pender St.
Vancouver, B.C. V6C 2V6
Attention:

Report No: 81-39-007 Page 1 of 5
Samples Arrived: June 8, 1981
Report Completed: June 22, 1981
For Project: Cariboo bell
Analyst: E.T. & VGC Staff
Invoice: 6228 Job # 81-106

Sample Marking	Cu ppm	Au ppb				
12N 57 + 00E	22	30				
58 + 00	37	30				
58 + 50	39	50				
59 + 00	65	20				
60 + 00	16	10				
60 + 50	8	20				
61 + 00	14	20				
61 + 50	21	40				
62 + 50	10	30				
63 + 00	49	30				
63 + 50	14	20				
64 + 00	15	20				
64 + 50	15	nd				
65 + 00	12	nd				
65 + 50	15	10				
66 + 00	22	10				
66 + 50	25	20				
67 + 00	16	20				
67 + 50	10	nd				
68 + 00	13	nd				
68 + 50	8	nd				
69 + 00	5	nd				
69 + 50	14	10				
70 + 00	10	10				
70 + 50	12	10				
71 + 00	10	10				
71 + 50	13	nd				
72 + 00	15	nd				
72 + 50	5	nd				
73 + 00	11	nd				
73 + 50	19	nd				
74 + 00	71	10				
74 + 50	8	50				
75 + 00	23	nd				
75 + 50	43	nd				
76 + 00	19	10				
76 + 50	10	nd				
77 + 00	8	nd				
12N 77 + 50	14	20				

REMARKS:

Signed:

% Mo x 1.6683 = % MoS_2 1 Troy oz./ton = 34.28 ppm 1 ppm = 0.0001% nd = none detected ppm = parts per million

All values are believed to be correct to the best knowledge of the analyst based on the method and instruments used.

VANGEOCHEM LAB LTD.
1521 PEMBERTON AVE.,
NORTH VANCOUVER, B.C.,
CANADA V7P 2S3

TELEPHONE: 986-5211
AREA CODE: 604

• *Specialising in Trace Elements Analyses* •

Certificate of Geochemical Analyses

–IN ACCOUNT WITH–

E & B Exploration Inc.

Attention:

Report No: 81–39–007 Page 2 of 5
Samples Arrived:
Report Completed:
For Project:
Analyst:

Sample Marking	Cu ppm	Au ppb				
12N 78 + 00E	21	50				
78 + 50	15	nd				
12N 79 + 00E	89	nd				
14N 57 + 50E	20	nd				
58 + 00	38	nd				
58 + 50	15	nd				
59 + 00	10	nd				
59 + 50	128	nd				
60 + 00	18	nd				
60 + 50	15	nd				
61 + 00	6	nd				
61 + 50	9	10				
62 + 00	20	10				
62 + 50	20	nd				
63 + 00	9	30				
63 + 50	13	10				
64 + 00	14	10				
64 + 50	16	nd				
65 + 00	9	20				
65 + 50	14	10				
66 + 00	15	30				
66 + 50	7	nd				
67 + 50	18	nd				
68 + 50	10	10				
69 + 00	15	10				
69 + 50	26	30				
70 + 00	35	10				
70 + 50	18	20				
71 + 00	18	10				
71 + 50	9	20				
72 + 50	5	10				
73 + 00	7	nd				
73 + 50	1	20				
74 + 00	13	nd				
74 + 50	1	10				
75 + 00	3	10				
75 + 50	8	nd				
76 + 00E	8	10				
14N 76 + 50E	10	20				

REMARKS:

Signed:

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NORTH VANCOUVER, B.C.,
CANADA V7P 2S3

TELEPHONE: 986-5211
AREA CODE: 604

• *Specialising in Trace Elements Analyses* •

Certificate of Geochemical Analyses

–IN ACCOUNT WITH–
E & B Exploration Inc.

Attention:

Report No: 81-39-007 Page 3 of 5
Samples Arrived:
Report Completed:
For Project:
Analyst:

Sample Marking	Cu ppm	Au ppb				
14N 77 + 00E	14	10				
77 + 50	10	nd				
78 + 00	5	nd				
78 + 50	11	nd				
79 + 00	34	10				
14N 79 + 50E	30	20				
16N 57 + 00E	1	nd				
57 + 50	19	nd				
58 + 00	11	10				
59 + 00	20	10				
59 + 50	9	nd				
60 + 00	20	nd				
60 + 50	6	nd				
61 + 00	5	nd				
61 + 50	12	nd				
62 + 00	11	nd				
62 + 50	9	nd				
63 + 00	20	nd				
63 + 50	24	10				
64 + 00	22	nd				
64 + 50	26	nd				
65 + 00	16	10				
65 + 50	22	30				
71 + 00	8	10				
71 + 50	1	nd				
72 + 00	106	10				
72 + 50	5	nd				
73 + 00	9	nd				
16N 73 + 50E	5	nd				
18N 58 + 50E	14	10				
59 + 00	108	nd				
59 + 50	16	10				
60 + 00	18	nd				
60 + 50	15	nd				
61 + 00	16	10				
61 + 50	54	20				
62 + 00	11	nd				
62 + 50	10	nd				
18N 63 + 00E	23	nd				

REMARKS:

Signed:

% Mo x 1.6683 = % MoS_2 1 Troy oz./ton = 34.28 ppm 1 ppm = 0.0001% nd = none detected ppm = parts per million

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VANGEOCHEM LAB LTD.
1521 PEMBERTON AVE.,
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CANADA V7P 2S3

TELEPHONE: 986-5211
AREA CODE: 604

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Certificate of Geochemical Analyses

–IN ACCOUNT WITH–

E. & B Exploration Inc.

Attention:

Report No: 81-39-007 Page 4 of 5
Samples Arrived:
Report Completed:
For Project:
Analyst:

Sample Marking	Cu ppm	Au ppb
18N 63 + 50E	15	nd
64 + 00	8	10
64 + 50	23	nd
65 + 00	26	nd
72 + 00	13	nd
72 + 50	6	nd
73 + 00	19	10
73 + 50	12	nd
18N 74 + 00E	20	nd
20N 57 + 50E	25	nd
58 + 00	5	nd
58 + 50	21	nd
59 + 00	14	nd
59 + 50	19	nd
60 + 00	8	nd
60 + 50	15	nd
61 + 00	19	10
61 + 50	5	nd
62 + 00	175	nd
62 + 50	60	nd
63 + 00	5	nd
63 + 50	12	nd
64 + 00	17	nd
64 + 50	10	10
71 + 00	21	nd
71 + 50	10	nd
20N 72 + 00E	18	nd
22N 57 + 50E	21	nd
58 + 00	6	nd
58 + 50	13	nd
59 + 00	49	nd
59 + 50	8	nd
60 + 00	14	nd
60 + 50	38	nd
61 + --	75	nd
61 + 50	16	nd
63 + 50	24	nd
64 + 00	34	nd
22N 64 + 50E	18	nd

REMARKS:

Signed:

% Mo x 1.6683 = % MoS_2 1 Troy oz./ton = 34.28 ppm 1 ppm = 0.0001% nd = none detected ppm = parts per million

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VANGEOCHEM LAB LTD.
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Certificate of Geochemical Analyses

–IN ACCOUNT WITH–

E & B Exploration Inc.

Attention:

Report No: 81-39-007 Page 5 of 5
Samples Arrived:
Report Completed:
For Project:
Analyst:

Sample Marking	Cu ppm	Au ppb				
22N 65 + 00E	12	nd				
71 + 50	11	nd				
72 + 00	12	nd				
22N 72 + 50E	87	nd				
24N 70 + 00	15	nd				
70 + 50	13	nd				
71 + 00	24	nd				
71 + 50	15	nd				
72 + 00	19	nd				
73 + 00	11	nd				
24N 73 + 50E	6	nd				
14001	146	nd				Rock
02	35	nd				
03	69	10				
04	42	10				
05	89	10				
06	79	nd				
07	178	10				
08	1	nd				
09	7	nd				
10	>10000 ✓	300 ✓	Repeated analyses.			
14011	90 ✓	nd				Rock

REMARKS:

Signed: _____

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VANGEOCHEM LAB LTD.
1521 PEMBERTON AVE.,
NORTH VANCOUVER, B.C.,
CANADA V7P 2S3

TELEPHONE: 986-5211
AREA CODE: 604

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Certificate of Geochemical Analyses

–IN ACCOUNT WITH–

E & B Explorations Inc.
#1440 – 800 W. Pender St.
Vancouver, B.C. V6C 2V6
Attention:
Mr. Ron Simpson

Report No: 81-39-003 Page 1 of 5
Samples Arrived: June 1, 1981
Report Completed: June 5, 1981
For Project: Cariboo Bell
Analyst: E.T. & VGC Staff
Invoice: 6181 Job #81-092

Sample Marking	Cu ppm	Au ppb
40N 3 + 50E	34	40
4 + 00	147	nd
4 + 50	73	nd
5 + 50	72	10
6 + 00	96	10
6 + 50	18	10
7 + 00	63	nd
7 + 50	19	nd
8 + 00	32	nd
9 + 00	41	nd
9 + 50	16	nd
10 + 00	16	nd
10 + 50	18	nd
11 + 50	60	nd
12 + 00	15	nd
12 + 50	25	nd
13 + 50	24	40
14 + 00	101	nd
14 + 50	66	nd
15 + 00	66	nd
15 + 50	32	10
16 + 00	50	nd
16 + 50	35	nd
17 + 00	65	nd
17 + 50	96	30
34 + 00	16	nd
34 + 50	43	nd
35 + 00	7	nd
35 + 50	72	nd
36 + 00	40	10
40N 37 + 00E	44	nd
42N 4 + 50E	46	nd
5 + 00	16	nd
5 + 50	16	nd
6 + 00	20	nd
6 + 50	22	nd
7 + 00	18	nd
7 + 50	9	nd
42N 8 + 00E	5	nd

REMARKS:

Signed: _____

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VANGEOCHEM LAB LTD.
1521 PEMBERTON AVE.,
NORTH VANCOUVER, B.C.,
CANADA V7P 2S3

TELEPHONE: 986-5211
AREA CODE: 604

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• *Specialising in Trace Elements Analyses* •

–IN ACCOUNT WITH–
E & B Explorations Inc.

Attention:

Report No: 81–39–003 Page 2 of 5
Samples Arrived:
Report Completed:
For Project:
Analyst:

Sample Marking	Cu ppm	Au ppb
42N 8 + 50E	22	nd
9 + 00	24	nd
9 + 50	45	nd
10 + 00	36	nd
10 + 50	23	nd
11 + 00	125	10
11 + 50	33	nd
12 + 00	36	10
13 + 00	18	10
13 + 50	31	nd
14 + 00	20	nd
15 + 00	30	nd
15 + 50	26	10
16 + 00	42	nd
34 + 00	14	nd
34 + 50	22	nd
35 + 00	55	10
35 + 50	368	30
36 + 00	23	nd
36 + 50	36	nd
37 + 00	40	nd
42N 37 + 50	46	nd
44N 34 + 00E	74	nd
34 + 50	45	10
35 + 00	55	nd
35 + 50	28	nd
36 + 00	21	nd
36 + 50	15	10
37 + 00	9	nd
44N 37 + 50E	16	nd
46N 32 + 50E	93	nd
33 + 50	83	30
34 + 50	78	nd
35 + 00	64	nd
36 + 00	44	nd
36 + 50	101	nd
37 + 00	32	nd
37 + 50	49	10
46N 38 + 00E	176	nd

REMARKS:

Signed: _____

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–IN ACCOUNT WITH–
E.& B Explorations Inc.

Report No: 81–39–003 Page 3 of 5
Samples Arrived:
Report Completed:
For Project:
Analyst:

Attention:

Sample Marking	Cu ppm	Au ppb
46N 38 + 50E	16	nd
39 + 00	24	nd
40 + 00	48	20
40 + 50	29	10
41 + 00	30	nd
41 + 50	35	nd
46N 42 + 00E	34	nd
48N 32 + 50E	12	10
50N 32 + 00E	53	nd
32 + 50	25	nd
33 + 00	20	nd
33 + 50	42	nd
34 + 00	38	nd
50N 34 + 50E	80	nd
54N 4 + 50E	21	10
5 + 00	45	nd
5 + 50	20	nd
6 + 00	19	nd
6 + 50	30	nd
7 + 00	26	nd
7 + 50	20	20
8 + 00	21	nd
8 + 50	21	nd
9 + 00	28	nd
9 + 50	74	nd
10 + 25	66	nd
10 + 50	25	nd
11 + 00	69	nd
11 + 50	35	10
12 + 00	22	nd
13 + 00	35	nd
13 + 50	20	nd
14 + 00	16	10
14 + 50	26	nd
15 + 00	62	nd
16 + 00	49	nd
16 + 50	32	10
17 + 00	7	nd
54N 17 + 50E	21	nd

REMARKS:

Signed:

% Mo x 1.6683 = % MoS_2 1 Troy oz./ton = 34.28 ppm 1 ppm = 0.0001% nd = none detected ppm = parts per million

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VANGEOCHEM LAB LTD.
1521 PEMBERTON AVE.,
NORTH VANCOUVER, B.C.,
CANADA V7P 2S3

TELEPHONE: 986-5211
AREA CODE: 604

Certificate of Geochemical Analyses

• *Specialising in Trace Elements Analyses* •

–IN ACCOUNT WITH–
E & B Explorations Inc.

Report No: 81–39–003 Page 4 of 5
Samples Arrived:
Report Completed:
For Project:
Analyst:

Attention:

Sample Marking	Cu ppm	Au ppb				
54N 18 + 00E	23	nd				
56N 4 + 00E	11	nd				
4 + 50	20	nd				
5 + 00	10	nd				
5 + 50	24	nd				
6 + 00	30	nd				
6 + 50	25	nd				
7 + 00	7	nd				
7 + 50	43	nd				
8 + 00	31	nd				
8 + 50	12	10				
9 + 00	24	20				
9 + 50	20	20				
10 + 50	16	nd				
11 + 00	46	40				
11 + 50	88	nd				
12 + 00	98	nd				
12 + 50	44	nd				
13 + 00	20	nd				
13 + 50	25	30				
14 + 50	46	10				
15 + 00	25	nd				
15 + 50	34	20				
16 + 00	30	nd				
16 + 50	105	30				
17 + 00	25	nd				
56N 17 + 50E	33	nd				
58N 4 + 00E	15	nd				
4 + 50	16	10				
5 + 00	37	nd				
5 + 50	65	nd				
6 + 00	43	20				
6 + 50	35	10				
58N 7 + 00	44	nd				
60N 0 + 00E	41	nd				
50E	54	20				
100E	32	40				
1 + 50E	28	nd				
60N 2 + 00E	47	nd				

REMARKS:

Signed:

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VANGEOCHEM LAB LTD.
1521 PEMBERTON AVE.,
NORTH VANCOUVER, B.C.,
CANADA V7P 2S3

TELEPHONE: 986-5211
AREA CODE: 604

Certificate of Geochemical Analyses

• *Specialising in Trace Elements Analyses* •

–IN ACCOUNT WITH–

E & B Explorations Inc.

Attention:

Report No: 81–39–003
Samples Arrived:
Report Completed:
For Project:
Analyst:

Sample Marking	Cu ppm	Au ppb				
60N 2 + 50E	22	nd				
3 + 00	118	10				
3 + 50	131	20				
4 + 00	22	nd				
13 + 50	41	nd				
15 + 00	23	30				
16 + 00	40	30				
18 + 00	22	nd				
20 + 00	38	40				
20 + 50	30	40				
21 + 00	24	nd				
21 + 50	32	nd				
22 + 00	40	20				
22 + 50	10	10				
60N 23 + 00E	45	nd				

REMARKS:

Signed:

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1981 DIAMOND DRILL HOLE ASSAYS

MIN-EN LABORATORIES LTD.
705 WEST 15TH STREET, NORTH VANCOUVER, B.C. V7M 1T2
PHONE: (604) 980-5814 OR (604) 988-4524

Hole #1

5-81-230
1-10-
10-20 etc
HGE
LWS
File

Certificate of Assay

TO: E & B Explorations,
1440-800 W. Pender St.,
Vancouver, B.C.

PROJECT No. Cariboo-Be
DATE: July 14/81.
File No. 1-44

SAMPLE No.	Total Cu %	Cu oxide as Cu %	Au oz/ton			
14012	.162	.156	.003			
13	.249	.226	.008			
14	.155	.123	.004			
15	.218	.182	.007			
16	.162	.147	.009			
17	.109	.092	.007			
18	.152	.134	.006			
19	.100	.088	.003			
20	.113	.101	.004			
21	.106	.092	.003			
22	.069	.040	.002			
23	.099	.072	.007			
24	.190	.154	.009			
25	.095	.053	.001			
26	.074	.040	.001			
27	.302	.192	.009			
28	.168	.154	.003			
29	.166	.160	.002			
30	.052	.048	.001			
31	.059	.050	.001			
32	.082	.072	.002			
33	.068	.055	.002			
34	.050	.038	.001			
35	.112	.087	.003			
36	.139	.123	.004			
37	.129	.102	.006			
38	.100	.080	.002			
39	.081	.060	.002			
40	.081	.069	.002			
14041	.069	.059	.001			

MINE-EN Laboratories Ltd.

CERTIFIED BY: [signature]

MIN-EN LABORATORIES LTD
7533 WEST 15TH STREET, NORTH VANCOUVER, B.C. V7M 1T2
PHONE: (604) 980-5814 OR (604) 988-4524

Certificate of Assay

TO: E & B Explorations,
1440-800 W. Pender St.,
Vancouver, B.C.

PROJECT No. Cariboo-Bel
DATE: July 14/81.
File No. 1-444

SAMPLE No.	Total Cu %	Cu oxide as Cu %	Au oz/ton			
14042	.108	.093	.008			
43	.090	.087	.009			
44	.132	.070	.010			
45	.189	.167	.010			
46	.140	.102	.008			
47	.173	.030	.009			
48	.180	.026	.007			
49	.160	.097	.006			
50	.258	.243	.009			
51	.279	.199	.012			
52	.238	.140	.009			
53	.310	.176	.009			
54	.260	.101	.009			
55	.189	.102	.010			
56	.152	.029	.008			
57	.200	.036	.009			
58	.238	.040	.009			
59	.214	.048	.012			
60	.187	.080	.008			
61	.162	.132	.004			
62	.180	.167	.009			
63	.117	.103	.002			
64	.120	.073	.002			
14065	.112	.050	.002			

MINE-EN Laboratories Ltd.

CERTIFIED BY:

MIN-EN LABORATORIES LTD.
705 WEST 15TH STREET, NORTH VANCOUVER, B.C. V7P 1T2
PHONE: (604) 980-5814 OR (604) 988-4524

Certificate of Assay

TO: E & B Explorations,
1440-800 W. Pender St.,
Vancouver, B.C.

PROJECT No. Cariboo-Bell
DATE: July 23/81.
File No. 1-478

SAMPLE No.	Cu %	Au oz/ton	Cu oxide as Cu %			
14066	.120	.005	.048			
67	.111	.004	.021			
68	.201	.009	.030			
69	.153	.009	.041			
70	.109	.007	.018			
71	.052	.005	.012			
72	.049	.003				
73	.022	.002				
74	.052	.002				
75	.063	.002				
76	.108	.005				
77	.138	.006				
78	.132	.005				
79	.309	.012				
80	.257	.010				
81	.149	.006				
82	.139	.004				
83	.078	.003				
84	.111	.003				
85	.174	.004				
86	.122	.004				
87	.146	.005				
88	.161	.007				
89	.180	.012				
90	.379	.024				
91	.280	.014				
92	.440	.024				
93	.318	.018				
94	.418	.013				
14095	.459	.022				

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MIN-EN LABORATORIES LTD.
705 WEST 15TH STREET, NORTH VANCOUVER, B.C. V7M 1T2
PHONE: (604) 980-5814 OR (604) 988-4524

Certificate of Assay

TO: E & B Explorations,
1440-800 W. Pender St.,
Vancouver, B.C.

PROJECT No. Cariboo-Bell
DATE: July 23/81.
File No. 1-478

SAMPLE No.	Cu %	Au oz/ton	Cu oxide as Cu %			
14096	.258	.008				
97	.100	.004				
98	.256	.008				
99	.692	.019				
14100	.172	.009				
01	.306	.015				
02	.080	.004	.069			
03	.136	.003	.107			
04	.094	.004	.086			
05	.142	.008	.117			
06	.120	.005	.078			
07	.399	.016	.240			
08	.513	.023	.122			
09	.276	.010	.042			
10	.706	.030	.086			
11	.482	.013	.050			
12	.940	.027	.128			
13	.464	.012	.130			
14	.241	.004	.084			
15	.313	.008	.213			
16	.423	.008	.256			
17	.246	.005	.206			
18	.348	.009	.316			
19	.210	.006	.150			
20	.490	.013	.406			
21	.471	.010	.265			
22	.198	.007	.170			
23	.089	.003	.074			
24	.093	.001	.089			
14125	.071	.001	.039			

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MIN-EN LABORATORIES LTD.
705 WEST 15TH STREET, NORTH VANCOUVER, B.C. V7M 1T2
PHONE: (604) 980-5814 OR (604) 988-4524

Certificate of Assay

TO: F & B Explorations,
1440-800 W. Pender St.,
Vancouver, B.C.

PROJECT No. Cariboo-Bell

DATE: July 23/81.

File No. 1-478

SAMPLE No.	Cu %	Au	Cu oxide as Cu %			
14126	.091	.002	.049			
27	.117	.004	.066			
28	.110	.004	.012			
29	.092	.003				
30	.097	.003				
31	.077	.003				
32	.072	.003				
33	.073	.003				
34	.059	.003				
35	.064	.002				
36	.058	.003				
37	.079	.003				
38	.109	.004				
39	.168	.006				
40	.120	.006				
41	.138	.006				
42	.118	.005				
43	.100	.004				
44	.061	.003				
45	.159	.006				
46	.107	.004				
47	.040	.001				
48	.122	.005				
49	.079	.003				
50	.062	.003				
51	.122	.004				
52	.043	.002				
53	.018	.001				
54	.170	.009				
14155	.118	.006				

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705 WEST 15TH STREET, NORTH VANCOUVER, B.C. V7M 1T2
PHONE: (604) 980-5814 OR (604) 988-4524

Certificate of Assay

TO: E & B Explorations,
1440-800 W. Pender St.,
Vancouver, B.C.

PROJECT No. Cariboo-Bell
DATE: July 23/81.
File No. 1-478

SAMPLE No.	Cu %	Au	Cu oxide as Cu %			
14156	.104	.005				
57	.208	.009				
58	.125	.007				
59	.089	.004				
60	.077	.003				
61	.018	.002				
62	.120	.003				
63	.251	.008	.136			
64	.064	.003	.040			
65	.138	.005				
66	.101	.003				
67	.143	.006	.043			
68	.098	.005	.050			
69	.099	.004	.077			
70	.137	.007	.029			
71	.102	.006	.034			
72	.170	.007	.013			
73	.117	.004	.066			
74	.071	.003	.052			
14175	.102	.005	.096			

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Certificate of Assay

TO: E & B Explorations,
1440-800 W Pender,
Vancouver, B.C. V6C 2V6

PROJECT No. Cariboo-Bell
DATE: ~~July 28/81.~~
File No. 1-518

SAMPLE No.	Cu %	Au oz/ton	Cu Oxide as Cu %			
14176	.124	.005	.090			
77	.098	.004	.042			
78	.112	.005	.063			
79	.128	.005	.082			
80	.113	.005	.097			
81	.067	.003	.039			
82	.077	.006	.076			
83	.099	.004	.095			
84	.140	.006	.042			
85	.170	.007	.076			
86	.110	.005				
87	.047	.003				
88	.035	.002				
89	.027	.001				
90	.043	.002				
91	.037	.002				
92	.125	.006				
93	.105	.004				
94	.108	.004				
95	.083	.003				
96	.163	.007				
97	.075	.003				
98	.081	.003				
99	.077	.003				
14200	.151	.008				
01	.140	.010				
02	.064	.003				
03	.147	.006				
04	.152	.007				
14205	.116	.006				

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PHONE: (604) 980-5814 OR (604) 988-4524

Certificate of Assay

TO: E & B Explorations,

1440-800 W. Pender St.,

Vancouver, B.C. V6C 2V6

PROJECT No Cariboo-bell

DATE: July 28/81.

File No. 1-518

SAMPLE No.	Cu %	Au oz/ton				
14206	.020	.002				
07	.052	.002				
08	.073	.003				
09	.126	.004				
10	.093	.003				
11	.078	.002				
12	.073	.003				
13	.123	.005				
14	.082	.004				
15	.119	.003				
16	.108	.004				
17	.165	.005				
18	.037	.008				
19	.101	.002				
20	.064	.003				
21	.092	.002				
22	.046	.003				
23	.096	.002				
24	.086	.002				
25	.049	.002				
26	.082	.003				
27	.105	.004				
28	.094	.003				
29	.111	.008				
30	.062	.003				
31	.106	.008				
32	.127	.008				
33	.121	.004				
34	.192	.007				
14235	.315	.018				

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Certificate of Assay

TO: E & B Explorations,
1440-800 W. Pender St.,
Vancouver, B.C.

PROJECT No. ~~Cariboo-Be~~
DATE: ~~July 29/81.~~
File No. ~~1-543~~

SAMPLE No.	Cu %	Au oz/ton	Mo %	Ag oz/ton		
14236	.167	.007				
37	.192	.011				
38	.156	.009	.003	.12		
39	.213	.011	.002	.07		
40	.263	.020	.002	.03		
41	.262	.018	.002	.11		
42	.348	.021	.001	.06		
43	.251	.016				
44	.180	.010				
45	.262	.018				
46	.220	.010				
47	.180	.010				
48	.126	.010				
49	.122	.024				
50	.069	.009				
51	.140	.017				
52	.119	.008				
53	.129	.011				
54	.008	.002				
55	.012	.002				
56	.014	.002				
57	.079	.002				
58	.068	.002				
59	.029	.002				
60	.026	.002				
61	.020	.001				
62	.010	.001				
63	.015	.001				
64	.015	.001				
14265	.015	.001				

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CERTIFIED BY: R. C. Evans

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Certificate of Assay

TO: E & B Explorations,
1440-800 W. Pender St.,
Vancouver, B.C.

PROJECT No. Cariboo-Be
DATE: July 29/81.
File No. 1-543

SAMPLE No.	Cu %	Au oz/ton				
14266	.014	.001				
67	.016	.001				
68	.008	.001				
69	.006	.001				
70	.004	.001				
71	.006	.001				
72	.006	.001				
73	.005	.001				
74	.006	.001				
75	.013	.001				
76	.014	.001				
77	.014	.001				
78	.013	.001				
79	.033	.001				
80	.034	.002				
81	.028	.001				
82	.024	.001				
83	.039	.003				
84	.053	--				
85	.034	--				
14286	.029	--				
14301	.037	.002				
02	.092	.012				
03	.081	.010				
04	.062	.002				
05	.056	.002				
06	.047	.002				
07	.040	.002				
08	.034	.001				
14309	.048	.002				

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Certificate of Assay

TO: E & B Explorations,
1440-800 Pender St.,
Vancouver, B.C.

PROJECT No. Cariboo-Be
DATE: July 29/81.
File No. 1-543

SAMPLE No.	Cu %	Au oz/ton				
14310	.043	.002				
11	.054	.002				
12	.037	.001				
13	.036	.002				
14	.018	.001				
15	.019	.001				
16	.023	.002				
17	.019	.001				
18	.064	.003				
19	.067	.002				
20	.036	.001				
21	.066	.002				
22	.091	.003				
23	.050	.002				
24	.037	.001				
25	.047	.001				
26	.103	.004				
27	.062	.002				
28	.093	.003				
29	.060	.003				
30	.052	.002				
31	.048	.001				
32	.068	.002				
33	.077	.003				
34	.065	.002				
35	.036	.002				
36	.035	.003				
37	.034	.002				
38	.078	.002				
14339	.108	.004				

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Certificate of Assay

TO: E & B Explorations,
1440-800 W. Pender St.,
Vancouver, B.C.

PROJECT No. Cariboo-B
DATE: July 29/81.
File No. 1-543

SAMPLE No.	Cu %	Au oz/ton				
14340	.099	.003				
41	.077	.002				
42	.165	.005				
43	.095	.003				
44	.063	.002				
45	.056	.002				
46	.042	.002				
47	.053	.002				
48	.075	.004				
49	.073	.009				
50	.062	.002				
51	.080	.002				
52	.068	.002				
53	.073	.004				
54	.056	.002				
55	.030	.002				
56	.012	.001				
57	.011	.001				
58	.010	.001				
14359	.011	.002				

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PHONE: (604) 980-5814 OR (604) 988-4524

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230

Certificate of Assay

TO: E & B Explorations,
1440-800 W. Pender St.,
Vancouver, B.C.

PROJECT No. Cariboo-Be
DATE: Aug. 4/81.
File No. 1-566

SAMPLE No. 234 423-1070	Cu %	Au oz/ton	Cu oxide as Cu %			
14409	.052	.002	.039			
10	.058	.003	.040			
11	.024	.001	.019			
12	.048	.003	.042			
13	.031	.002	.025			
14	.028	.001	.019			
15	.024	.001	.018			
16	.035	.001	.033			
17	.025	.001	.024			
18	.025	.001	.024			
19	.188	.010	.154			
20	.029	.001	.028			
21	.061	.001	.052			
22	.058	.003	.046			
23	.036	.002	.027			
24	.103	.003	.087			
25	.093	.002	.040			
26	.208	.009	.126			
27	.045	.002	.022			
28	.018	.002	.011			
29	.030	.002	.020			
30	.050	.002	.035			
31	.040	.002	.024			
32	.056	.002	.034			
33	.043	.002	.029			
34	.015	.002	.011			
35	.031	.004	.030			
36	.067	.009	.040			
37	.055	.008	.036			
14438	.042	.002	.030			

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1055 WEST 15TH STREET, NORTH VANCOUVER, B.C. V7M 1T2
PHONE: (604) 980-5814 OR (604) 988-4524

Certificate of Assay

TO: E & B Explorations,
1440-800 W. Pender St.,
Vancouver, B.C.

PROJECT No. Cariboo-Be
DATE: Aug.4/81.
File No. 1-566

SAMPLE No.	Cu %	Au oz/ton	Cu oxide as Cu %			
14439	.107	.003	.068			
40	.114	.003	.074			
41	.137	.005	.085			
42	.220	.012	.167			
43	.106	.005	.084			
44	.064	.005	.044			
45	.024	.002	.012			
46	.030	.003	.024			
47	.066	.003	--			
48	.062	.002	--			
49	.030	.001	--			
50	.240	.010	.153			
51	.150	.013	.115			
52	.309	.015	.144			
53	.688	.030	.298			
54	.382	.012	.238			
55	.445	.012	.219			
56	.400	.015	.164			
57	.490	.012	.130			
58	.948	.016	.459			
59	.307	.010	.132			
60	.309	.012	.118			
61	.264	.009	--			
14462	.088	.003	--			
14447	[illegible]					
	2.30	735				

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705 WEST 15TH STREET, NORTH VANCOUVER, B.C. V7M 1T2
PHONE: (604) 980-5814 OR (604) 988-4524

Certificate of Assay

TO: F & B Explorations

1440-800 W. Pender,

Vancouver, B.C. V6C 2V6

PROJECT No. Caribou Bell

DATE: July 31/81.

File No. 1-553

SAMPLE No.	Cu %	Au oz/ton	Cu Oxide as Cu %			
14287	Missing					
88	.024	.001				
89	.036	.002				
90	.044	.003				
91	.047	.004				
92	.024	.002				
93	.033	.002				
94	.026	.002				
95	.024	.002				
96	.023	.001				
97	.022	.001				
98	.035	.002				
99	.026	.001				
14300	.040	.003				
14301	.029	.001				
02	.022	.001				
03	.188	.003	.150			
04	.050	.002	.047			
07	.085	.002	.083			
14402	.123	.002	.108			
14405	.073	.003	.049			
14406	.078	.003	.073			

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PHONE: (604) 980-5814 OR (604) 988-4524

Certificate of Assay

TO: F & B Explorations,

1440-800 W. Pender St.,

Vancouver, B.C. V6C ?V6

PROJECT No. Cariboo Bell

DATE: Aug. 6, 1981

File No. 1-602

SAMPLE No.	Cu %	Au oz/ton	Cu Oxide as Cu %			
14463	.142	.005				
64	.232	.006	.109			
65	.352	.015	.119			
66	.204	.012				
67	.084	.003				
68	.064	.003				
69	.049	.002				
70	.043	.002				
71	.043	.002				
72	.045	.002				
73	.042	.001				
74	.040	.002				
75	.238	.010				
76	.298	.011				
77	.222	.008				
78	.271	.009				
79	.248	.007				
80	.326	.009				
81	.168	.005				
82	.346	.011				
83	.155	.008	.065			
84	.223	.005	.107			
85	.232	.007	.186			
86	.229	.006				
87	.162	.006				
88	.137	.005				
89	.133	.012				
90	.079	.008				
91	.063	.002				
14492	.068	.001				

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Certificate of Assay

TO: E & B Explorations,

1440-800 W. Pender St.,

Vancouver, B.C. V6C 2V6

PROJECT No Cariboo Bell

DATE: Aug. 6/81

File No. 1-602

SAMPLE No.	Cu %	Au oz/ton	Cu Oxide as Cu %			
14493	.067	.002				
94	.051	.002				
95	.048	.001				
96	.074	.002				
97	.040	.001				
98	.021	.001				
99	.022	.001				
500	.017	.001				
01	.058	.001				
02	.392	.011	.390			
03	.242	.007	.237			
04	.302	.010	.264			
05	.013	.001				
06	.011	.001				
07	.201	.008	.184			
08	.248	.010	.236			
09	.175	.008	.127			
10	.053	.002	.043			
11	.076	.002	.070			
12	.044	.001	.040			
13	.044	.002	.035			
14	.033	.002	.030			
15	.043	.001	.037			
14516	.030	.001	.029			
14360	.522	.016				
61	.235	.011				
62	.220	.013				
63	.398	.012				
64	.448	.016				
14365	.594	.019				

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CERTIFIED BY: R. G. Thomas

MIN-EN LABORATORIES LTD.
705 WEST 15TH STREET, NORTH VANCOUVER, B.C. V7M 1T2
PHONE: (604) 980-5814 OR (604) 988-4524

Certificate of Assay

TO: E & B Explorations,
1440-800 W. Pender st.,
Vancouver, B.C. V6C 2V6

PROJECT No. Cariboo Bell
DATE: Aug. 6/81
File No. 1-602

SAMPLE No.	Cu %	Au oz/ton				
14366	.156	.006				
67	.491	.021				
68	.270	.009				
69	.045	.002				
70	.245	.010				
71	.516	.013				
72	.424	.017				
73	.412	.012				
74	.118	.004				
75	.446	.013				
76	.156	.007				
77	.237	.013				
78	.424	.012				
14379	.183	.006				

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Certificate of Assay

TO: E & B Explorations,
1440-800 W. Pender St.,
Vancouver, B.C.

PROJECT No. Cariboo Bell
DATE: Aug.10/81
File No. 1-622

SAMPLE No.	Cu %	Au oz/ton	Cu Oxide as Cu %			
14517	.075	.002	.074			
18	.139	.009	.138			
19	.418	.019	.402			
20	.280	.010	.278			
21	.276	.009	.263			
22	.523	.021	.518			
23	.290	.010	.282			
24	.332	.012	.255			
25	.320	.008	.196			
26	.268	.013	.136			
27	.120	.004	.065			
28	.076	.002	.052			
29	.132	.004	.078			
30	.382	.019	.166			
31	.290	.012	.048			
32	.368	.024	.052			
33	.328	.023	.078			
34	.362	.019	.035			
35	.168	.009	.030			
36	.166	.008	.018			
37	.097	.004	.005			
38	.053	.002	.015			
39	.050	.002	.015			
40	.063	.002	.025			
41	.086	.003	.021			
42	.164	.009	.042			
43	.100	.004	.021			
44	.106	.004	.026			
45	.006	.001	.002			
14546	.037	.001	.007			

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Certificate of Assay

TO: E & B Explorations,
1440-800W. Pender St.,
Vancouver, B.C.

PROJECT No. Cariboo Bell
DATE: Aug. 10/81
File No. 1-622

SAMPLE No.	Cu %	Au oz/ton	Cu Oxide as Cu %			
14547	.056	.002	.017			
48	.111	.003	.013			
49	.137	.005	.016			
50	.137	.004	.025			
51	.140	.006	.031			
52	.118	.006	.013			
53	.084	.005	.053			
54	.077	.003	.004			
55	.094	.004	.020			
56	.075	.002	.025			
57	.108	.003	.014			
58	.110	.003	.017			
59	.160	.005	.036			
60	.146	.004	.018			
61	.072	.002	.006			
62	.043	.002	.011			
63	.046	.001	.009			
64	.039	.001	.011			
65	.025	.001	.005			
66	.033	.001	.006			
67	.029	.001	.003			
68	.042	.002	.012			
69	.032	.003	.002			
70	.028	.001	.003			
71	.020	.002	.004			
72	.021	.001	.003			
73	.019	.001	.005			
74	.047	.002	.010			
75	.035	.001	.010			
14576	.031	.001	.005			

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PHONE: (604) 980-5814 OR (604) 988-4524

Certificate of Assay

TO: E & B Explorations

1440-800 W. Pender St.,

Vancouver, B.C.

PROJECT No. Caribco Bell

DATE: Aug. 10/81

File No. 1-622

SAMPLE No.	Cu %	Au oz/ton	Cu Oxide as Cu %			
14577	.035	.002	.005			
78	.024	.001	.004			
79	.014	.001	.002			
80	.017	.001	.003			
14581	.013	.001	.002			

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PHONE: (604) 980-5814 OR (604) 988-4524

Certificate of Assay

TO: F & B Explorations,

1440-900 W. Pender St.,

Vancouver, B.C.

PROJECT No Caribou Bell

DATE: Aug. 18/81.

File No. 1-669

SAMPLE No.	Cu %	Au oz/ton	Cu oxide as Cu %			
14612	.104	.003	.030			
13	.441	.010	.144			
14	.618	.012	.175			
15	.351	.010	.070			
16	.370	.009	.071			
17	.420	.011	.052			
18	.648	.012	.166			
19	.702	.013	.568			
20	.662	.012	.117			
21	.685	.010	.067			
22	.489	.011				
23	.216	.009				
24	.420	.010				
25	.468	.008				
26	.250	.009				
27	.339	.009				
28	.409	.010				
29	.509	.013				
30	.438	.011				
31	.662	.014				
32	.351	.009				
33	.712	.027				
34	.519	.017				
35	.442	.019				
36	.391	.012				
37	.429	.020				
38	.389	.011	.102			
39	.648	.024	.058			
40	.459	.011	.057			
14641	.471	.017	.044			

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Certificate of Assay

TO: E & B Explorations,
1440-800 W. Pender St.,
Vancouver, B.C.

PROJECT No Cariboo Bell
DATE: Aug.18/81.
File No. 1-669

SAMPLE No.	Cu %	Au oz/ton	Cu Oxide as Cu %			
14582	.348	.010	.326			
83	.344	.007	.320			
84	.580	.011	.562			
85	.421	.005	.388			
86	.336	.005	.293			
87	.259	.002	.242			
88	.592	.003	.494			
89	.494	.003	.430			
90	.347	.003	.339			
91	.216	.003	.189			
92	.498	.005	.469			
93	.395	.004	.377			
94	.309	.004	.290			
95	.364	.004	.363			
96	.344	.003	.342			
97	.330	.002	.302			
98	.461	.006	.232			
99	.309	.004	.138			
600	.310	.008	.182			
01	.508	.005	.184			
02	.439	.008	.104			
03	.446	.009	.078			
04	.339	.004				
05	.497	.006				
06	.398	.010				
07	1.125	.033				
08	.740	.024				
09	.136	.003				
10	.032	.001				
14611	.042	.001				

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MIN-EN LABORATORIES LTD.
705 WEST 15TH STREET, NORTH VANCOUVER, B.C. V7M 1T2
PHONE: (604) 980-5814 OR (604) 988-4524

Certificate of Assay

TO: T & B Explorations,
1440-800W Pender St.,
Vancouver, B.C.

PROJECT No Caribou Bell

DATE: Aug. 13/81.

File No. 1-659

SAMPLE No.	Cu %	Au oz/ton	Cu Oxide eq Cu %			
14642	.634	.015	.107			
43	.446	.011	.274			
44	.620	.016	.066			
45	.393	.018	.185			
14646	.471	.012	.162			

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Certificate of Assay

TO: E & B Explorations,
1440-800 W. Pender St.,
Vancouver, B.C.

PROJECT No. Cariboo Bell
DATE: Aug. 26/81.
File No. 1-702

SAMPLE No.	Cu %	Au oz/ton	Cu Oxide as Cu %			
14647	.460	.014	.205			
48	.383	.012	.094			
49	.367	.011	.128			
50	.272	.009	.235			
51	.260	.006	.156			
52	.340	.011	.315			
53	.201	.005	.033			
54	.342	.011	.128			
55	.462	.015	.078			
56	.339	.012	.089			
57	.508	.015	.087			
58	.482	.013				
59	.234	.008				
60	.292	.010				
61	.560	.016				
62	.542	.016				
63	.165	.005				
64	.025	.001				
65	.012	.001				
66	.009	.001				
67	.022	.001				
68	.005	.001				
69	.038	.001				
70	.025	.001				
71	.023	.001				
14672	.018	.001				

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PHONE: (604) 980-5814 OR (604) 988-4524

Certificate of Assay

Cariboo

TO: E & B Explorations,

PROJECT No. Bell

1440-800 W. Pender St.,

DATE: Sept. 30/81.

Vancouver, B.C.

File No. 1-478R

SAMPLE No.	Cu oxide as Cu %					
14072	.009					
73	.012					
74	.008					
75	.015					
76	.028					
77	.046					
78	.055					
79	.034					
80	.020					
81	.014					
82	.019					
83	.015					
84	.013					
85	.024					
86	.023					
87	.023					
88	.022					
89	.026					
90	.025					
91	.042					
92	.048					
93	.046					
94	.075					
95	.069					
96	.054					
97	.013					
98	.040					
99	.112					
14100	.038					
14101	.047					

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Certificate of Assay

TO: E & B Explorations,
1440-800 W. Pender St.,
Vancouver, B.C.

Cariboo
PROJECT No. Bell
DATE: Sept. 30/81.
File No. 1-518R

SAMPLE No.	Cu Oxide as Cu %					
14228	.011					
29	.015					
30	.015					
31	.017					
32	.018					
33	.016					
34	.024					
14235	.035					

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Certificate of Assay

TO: E & B Explorations,
1440-800 W. Pender St.,
Vancouver, B.C.

PROJECT No. Cariboo Bell
DATE: Sept. 30/81.
File No. 1-543R

SAMPLE No.	Cu oxide as Cu %					
14236	.014					
37	.019					
38	.017					
39	.019					
40	.019					
41	.021					
42	.026					
43	.022					
44	.017					
45	.022					
46	.022					
47	.021					
48	.018					
49	.013					
50	.012					
51	.019					
52	.017					
53	.023					
54	.007					
14255	.009					

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Certificate of Assay

TO: E & B Explorations,
1440-800 W. Pender St.,
Vancouver, B.C.

PROJECT No. Cariboo Bell
DATE: Sept. 30/81.
File No. 1-566R

SAMPLE No.	Cu oxide as Cu %					
14461	.062					
14462	.027					

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Certificate of Assay

TO: E & B Explorations,
1440-800 W. Pender St.,
Vancouver, B.C.

PROJECT No. Cariboo Bell
DATE: Sept.30/81.
File No. 1-602R

SAMPLE No.	Cu oxide as Cu %
14463	.053
14466	.072
67	.022
68	.013
69	.011
70	.013
71	.015
72	.018
73	.032
74	.031
75	.102
76	.097
77	.080
78	.095
79	.121
80	.080
81	.022
14482	.082
14486	.022
87	.020
88	.035
89	.046
90	.038
91	.055
14492	.062

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Certificate of Assay

TO: E & B Explorations,
1440-800 W. Pender St.,
Vancouver, B.C.

Cariboo
PROJECT No. Bell
DATE: Sept. 30/81.
File No. 1-669R

SAMPLE No.	Cu oxide as Cu %					
14604	.069					
05	.089					
06	.061					
07	.209					
08	.203					
14609	.082					
14622	.088					
23	.056					
24	.083					
14625	.056					
26	.051					
27	.040					
28	.054					
29	.099					
30	.095					
31	.073					
32	.051					
33	.056					
34	.056					
35	.067					
36	.042					
14637	.044					

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Certificate of Assay

TO: E & B Explorations,
1440-800 W. Pender St.,
Vancouver, B.C.

PROJECT No. Cariboo Bell
DATE: Sept.30/81.
File No. 1-702R

SAMPLE No.	Cu oxide As Cu %
14658	.117
59	.050
60	.057
61	.076
62	.067
63	.021
64	.010
65	.007
66	.005
67	.006
68	.005
69	.009
70	.006
71	.010
14672	.012

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PHONE: (604) 980-5814 OR (604) 988-4524

Certificate of Assay

TO: E & B Explorations,
1440-800 W. Pender St.,
Vancouver, B.C.

PROJECT No. Cariboo-Be
DATE: Nov. 23/81.
File No. 1-1106

SAMPLE No.		Au oz/ton	Cu %	Cu oxide as Cu %		
R-81-1-260-	270	.002	.077	.046		
270-	280	.008	.226	.050		
280-	290	.009	.288	.056		
290-	300	.002	.118	.028		
300-	305	.005	.272	.098		
320-	330	.002	.188	.092		
330-	335	.003	.244	.136		
355-	360	.007	.215	.026		
360-	370	.010	.335	.053		
370-	380	.007	.134	.038		
380-	390	.010	.190	.043		
390-	400	.012	.355	.121		
400-	410	.011	.522	.296		
410-	420	.010	.388	.182		
420-	430	.008	.276	.150		
430-	440	.010	.370	.046		
440-	450	.008	.193	.028		
450-	460	.008	.200	.024		
460-	470	.008	.146	.022		
470-	480	.010	.138	.020		
480-	490	.002	.110	.018		
490-	500	.002	.066	.015		
500-	510	.009	.251	.038		
510-	520	.009	.252	.032		
520-	530	.009	.234	.024		
530-	540	.006	.173	.022		
540-	550	.007	.236	.029		
550-	560	.007	.205	.028		
560-	570	.008	.217	.033		
R-81-1-570-	580	.010	.242	.032		

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PHONE: (604) 980-5814 OR (604) 988-4524

Certificate of Assay

TO: E & B Explorations,
1440-800 W. Pender St.,
Vancouver, B.C.

PROJECT No. Cariboo-Be
DATE: Nov. 23/81.
File No. 1-1106

SAMPLE No.	Au oz/ton	Cu %	Cu oxide as Cu %		
R-81-1-580-590	.008	.223	.032		
590-600	.009	.275	.033		
600-610	.011	.710	.065		
610-620	.010	.365	.050		
620-630	.010	.364	.036		
630-640	.010	.249	.028		
640-650	.009	.214	.027		
650-660	.010	.274	.029		
660-670	.011	.386	.040		
670-680	.010	.250	.027		
680-690	.011	.452	.039		
690-700	.008	.242	.030		
700-710	.009	.246	.031		
710-720	.008	.239	.032		
720-730	.009	.315	.037		
730-735	.008	.310	.035		
735-740	no sample				
740-750	.003	.172	.029		
750-760	.002	.230	.032		
760-770	.002	.217	.039		
R-81-1-770-780	.002	.208	.025		
R-81-2-0-10	.006	.183	.172		
10-20	.002	.142	.137		
20-30	.002	.182	.176		
30-40	.003	.125	.100		
40-50	.002	.150	.130		
50-60	.002	.130	.118		
60-70	.002	.117	.106		
70-75	.002	.068	.060		
R-81-2-75-80	no sample				

MINE-EN Laboratories Ltd.

E & B Explorations Inc.

HOLE NO. S-81-234

FEET	METRES	ROCK TYPE / ALTERATION	GRAPHIC LOG.	MINERALIZATION / STRUCTURE	% SULFIDE	SAMPLE INTERVAL	SAMPLE LENGTH	SAMPLE NO.	ASSAYS Au		Cu	CuO	
10	49	MONZONITE PORPHYRY - 1 mod to strong perv. kspar alt'n		ca-ze strs, mt, lm, cp, mk ff @40° & 60°/strong fract.	.2	10-20		14403	.003		.188	.150	
		Mafics altered to chl; crackle brcc locally		ca, chl, ze strs; mt, lm, mk ff/str. fract.	tr	20-30		404	.002		.050	.047	
		25-49 Weaker perv. kspar, some fract. controlled kspar alt'n		ca, an, ze strs; mt ff, minor cp, mk/mod fract.	tr	30-40		405	.003		.073	.049	
49	53	Fine grained, dark chilled margin Contact @80-85° grading into altered		" minor ep w/chl-ca str.	tr	40-50		406	.003		.078	.073	
		M PPY -2 (?) DYKE		few ca-chl strs.	tr	50-60		407	.002		.085	.083	
53	53.6	Syenodiorite (?) med gr, upper contact sharp		59.5 an-mt, cr vl, 1 cm @50°									
		but indistinct; lower contact basic dyke 5 cm @80°		ca-an strs; mt, lm ff py-cp on fract.	.3	60-70		408	.002		.123	.108	
53.6	194	MONZONITE PPY-1-wk perv. kspar alt'n		ca-ze strs; mt ff	tr	70-80		409	.002		.052	.039	
		55-56 Basaltic dyke, dark grey, amygdaloidal (ca-ze fillings); contacts sharp @60°		ca-an strs, vls, mt ff		80-90		19410	.003		.058	.040	
				"		90-100		411	.001		.024	.019	
				" lm on fractures minor mk/wk-mod fract.		100-110		412	.003		.048	.042	
				ca strs, kspar vls, mt ff /wk-mod fract		110-120		413	.002		.031	.025	
				ca, an strs		120-130		414	.001		.028	.019	
				ca, chl, kspar vls & strs /wk fract		130-140		415	.001		.024	.018	
				ca, ze, chl strs, mt ± mk ff /wk-mod fract		140-150		416	.001		.035	.033	

E & B Explorations Inc.

HOLE NO. S-81-234

FEET	METRES	ROCK TYPE / ALTERATION	GRAPHIC LOG.	MINERALIZATION / STRUCTURE	% SULFIDE	SAMPLE INTERVAL	SAMPLE LENGTH	SAMPLE NO.	ASSAYS Au		Cu	CuO	Rec
				ca, ze strs, diss mt /wk-mod fract.		150-160		14417	.001		.025	.024	
		172 Minor basic dyke @45°; 5 cm		ca, ze strs & vls ± cr, mt diss mt		160-170		418	.001		.025	.024	
		fract/vein controlled kspar alteration		ca, ze, cr, mt, ff & along shears 174' kspar, ca, cr, mt healing fault 8cm @50°/mod-strong fract	tr	170-180		419	.010		.188	.154	
				ca, kspar, ep, ze strs & vls mt ff, diss/mod fract.		180-190		14420	.001		.029	.028	
194	253	INTRUSIVE BRCC-gradational contact kspar alt'n perv & fract controlled; ep		ca, ze, ep strs, vls; mt, cr ff 198-201 shear zone/str fract		190-200		421	.001		.061	.052	85
		fract controlled. Small fragments to 203'		"		200-210		422	.003		.058	.046	
		203-218 large fragments of M PPY and SyD in syenite matrix		ca, ze strs; mt ff w/minor cr diss mt, cp /mod fract.	tr	210-220		423	.002		.036	.027	
		218- Smaller fragments in sy matrix. rounded to subangular		lge clots cse mt w/cp diss in matrix	.3	220-230		424	.003		.103	.087	
		226-237 Intense brick-red perv. kspar alt'n 237- zones of perv. kspar alt'n common		ca, mt ff; mt, cp diss, mk cp on fract w/lm / mod fract.	.3	230-240		425	.002		.093	.040	
		250 Minor basic dyke 7cm @60°		"	.3	240-250		426	.009		.208	.126	
253	268	AUGITE PORPHYRY DYKE - contact sharp @65°; Augite and olivine		ca, mt ff; tr CuO on fract; diss mt, cp / wk fract.	tr	250-260		427	.002		.045	.022	
		phenos ≤ 3mm in fine grained grey-green groundmass. Chilled margins		ca strs & vls common /wk fract.		260-270		428	.002		.018	.011	
268	300	MONZONITE PPY-1- contact sharp, irreg. wk alt'n, mafics chloritized 274 Minor basic dyke 3 cm @50°		ca, ze, mt ff /wk. fract		270-280		429	.002		.030	.020	
				280.2 cr w/ca, mt on fract. minor cp on fract @288 /wk. fract	tr	280-290		14430	.002		.050	.035	

E & B Explorations Inc.

HOLE NO. S-81-234

FEET	METRES	ROCK TYPE / ALTERATION	GRAPHIC LOG.	MINERALIZATION / STRUCTURE	% SULFIDE	SAMPLE INTERVAL	SAMPLE LENGTH	SAMPLE NO.	ASSAYS Au		Cu	CuO		
				ca, ze, chl strs										
		BRECCIA - gradational and		/v.wk. fract.		290-300		14431	.002		.040	.024		
300	320	contact indistinct poorly defined breccia w/large		" 306 cp in ca-ze str.	tr	300-310		432	.002		.056	.034		
		sections of Mz & Sy. ep alt'n along fract.		ca, ze, ep strs, ff, 319 shear/mod fract.		310-320		433	.002		.043	.029		
320	334	AUGITE PPY DYKE - contact sharp @60°		"		320-330		434	.002		.015	.011		
334	371.5	augite, olivine phenos MONZONITE PPY-1 contact @40°		ca strs common /mod. fract.		330-340		435	.004		.031	.030		
		chl, ep fract alt'n, mafics chloritized		ca, ze strs; few kspar strs 349 ca, mt, cp-mk vl @50°	tr	340-350		436	.009		.067	.040		
		LOST CIRCULATION		ca strs; mt, cp-mk ff /wk-mod fract.	tr	350-360		437	.008		.055	.036		
371.5	398	BRECCIA (?) - poorly defined				360-370		438	.002		.042	.030		
		sharp, irregular contact, dark grey-green chl-ep fract. alt'n - could be		chl ff cp diss & on fract.		370-380		439	.003		.107	.068		
		altered SyD; 394-398 diss 2ndary bi		ca, mt, chl, ep, kspar ± cp-cr	tr	380-390		14440	.003		.114	.074		
398	445	INTRUSIVE BRECCIA		ff /wk-mod fract										
		Perv. kspar alt'n common		kspar vls, ca, chl, mt ff	tr	390-400		441	.005		.137	.085		
		407.5-413.5-intense brick-red perv alt'n		ca, mt, cr vl. 50° @ 399'										
		kspar, clay-hm 413.5- Weakly altered breccia		ca, lm, kspar strs; mt diss cr-mk on fract. /mod fract.	tr	400-410		442	.012		.220	.167		
		429-435 SyD fragment 436.5-437 Basic dyke @60°		ca, ze strs tr mk on fract/mod fract.		410-420		443	.005		.106	.084		
		438-439 Augite PPY dyke - irreg. contacts Brcc characterized by large fragments		ca-ze strs		420-430		444	.005		.064	.044		

E & B Explorations Inc.

HOLE NO. S-31-234

FEET	METRES	ROCK TYPE / ALTERATION	GRAPHIC LOG.	MINERALIZATION / STRUCTURE	% SULFIDE	SAMPLE INTERVAL	SAMPLE LENGTH	SAMPLE NO.	ASSAYS Au		Cu	CuO		
		in grey syenite matrix		ca strs /mod. fract.		430-440		14445	.002		.024	.012		
445	461	SYENITE-med. grey, equigranular, few fragments		ca strs; chl, mt, cp ff	tr	440-450		446	.003		.030	.024		
461	463.5	BRECCIA - Sy matrix		ca strs, mt diss, ff /wk. fract.	tr	450-460		447	.003		.066			
463.5	482	SYENITE - indistinct fragments		"		460-470		448	.002		.062			
482	607.5	BRECCIA-Sy matrix, rounded fragments Pervasive kspar alt'n common, large		"	tr	470-480		449	.001		.030			
		clots of chloritized biotite. Strong mt		ca-ze strs; mt diss, ff fine gr. diss cp & bn	.5	480-490		14450	.010		.240	.153		
				" cr on some fract/wk. fract.	.5	490-500		451	.013		.150	.115		
		502-503.5 AUGITE PPY DYKE - contacts		bn:cp=1:1 diss & ff w/mt diss mt; ca strs	1	500-510		452	.015		.309	.144		
		sharp, irreg. 40-50°		bn > cp, diss & ff w/mt /wk fract.	2	510-520		453	.030		.688	.298		
		505.5-506.3 same as above		diss bn, cp w/mt ca strs; minor cr	.5	520-530		454	.012		.382	.238		
				bn > cp diss, mt diss 530 minor shear @45°	1	530-540		455	.012		.445	.219		
		BRCC w/ perv. kspar & diss 2ndary bi clots. Accompanied by strong		bn=cp fine gr diss; mt /wk fract.	1	540-550		456	.015		.400	.164		
		ser alt'n, Rock is generally very competent. Subangular to		bn, cp diss & ff w/bn /wk fract.	2	550-560		457	.012		.490	.130		
		rounded breccia fragments of M PPY & SyD		bn, cp diss, ff w/mt CuO, cuprite, mk, cr on fract.	3	560-570		458	.016		.948	.459		

E & B Explorations Inc.

HOLE NO. S-81-234

FEET	METRES	ROCK TYPE / ALTERATION	CORE LOG.	MINERALIZATION / STRUCTURE	% SULFIDE	SAMPLE INTERVAL	SAMPLE LENGTH	SAMPLE NO.	ASSAYS Au		Cu	CuO		
				bn, cp diss & ff w/mt /v. wk fract.	1	570-580		14459	.010		.307	.132		
				cp > bn diss, ff w/mt ca strs. /wk. fract	1	580-590		14460	.012		.309	.118		
				"	1	590-600		461	.009		.264			
603	607.5	ANDESITIC FELDSPAR PPY DYKE contacts sharp irregular, chill margins		"	.5	600-610		462	.003		.088			
		70% small (ang 1mm) Fspar phenos in pale grey-green matrix.		"	.5	610-620		463	.005		.142			
607.5	638.5	BRCC - as before 607.5-610 large M PPY fragments		" (minor cr-mk on fract.)	1	620-630		464	.006		.232	.109		
				cp-bn w/ca, bi, mt diss & ff ca strs & vls /wk fract	1	630-640		465	.015		.352	.119		
638.5	678.5	MONZ PPY - 2 20% Pspar phenos ang 1mm in fine gr.		kspar, chl, ca, cp-bn vls cp, bn ff; diss mt	.2	640-650		466	.012		.204			
		orange-brown groundmass; contact brecciated; pervasive kspar alt'n		cp, bn, mt in strs & ff	.2	650-660		467	.003		.084			
		654-666.5 less perv. kspar alt'n; matrix pale grey-brown; 5% mafics chl		"	.2	660-670		468	.003		.064			
		scattered xenoliths of SyD 666.5-672 Perv. kspar alt'n		"	tr	670-680		469	.002		.049			
678.5	684.5	672-678.5-Weak kspar alt'n Andesite Fspar PPY - sparsely ppytic		cp-bn some fract & in amygdules w/ca-ze/ mod fract	tr	680-690		14470	.002		.043			
		partly amygdaloidal, med grey to dark grey mottled. contacts sharp irregular		kspar, ca strs mod/fract.	tr	690-700		471	.002		.043			
684.5	732.5	60-70°; chilled margins, cp & ca in some amy; MONZ PPY-2 as before, variable kspar alt'n		"		700-710		472	.002		.045			

E & B Explorations Inc.

HOLE NO. S-81-234

FEET/ METRES		ROCK TYPE / ALTERATION	GRAPHIC LOG.	MINERALIZATION / STRUCTURE	% SULFIDE	SAMPLE INTERVAL	SAMPLE LENGTH	SAMPLE NO.	ASSAYS Au		Cu		Rec.
		694 Minor basic dyke ~ 10cm @55° 696-697 " " @70°		Few kspar & ca strs /mod. fract.		710-720		14473	.001		.042		
		700 SyD xenolith Lower contact brecciated, strong kspar alt'n		" minor cr on fract.		720-730		474	.002		.040		
732.5		INTRUSIVE BRECCIA clots of 2ndary bi w/ca & mt		ca strs, vls; diss cp=bn, mt, bi; cp-bn on fract/wk fract	.5	730-740		475	.010		.238		
		common 746-747 1m on fract.		741.5 cse xtalline, ca, mt in vug/vlt. vuggy ca strs; diss bn=cp, mt /wk. fract.	.5	740-750		476	.011		.298		
		Few large drusy (ca) cavities Crackle breccia w/qz-ca matrix common		cp-bn, mt diss & in cavities w/ca	1	750-760		477	.008		.222		
				chl, ca, mt strs; fine gr. diss cp, bn; diss mt/wk. fract.	.5	760-770		478	.009		.271		
		806 Crackle brcc w/ matrix of clear ca containing large (≤3cm) stubby		coarse mt w/ca-ze vls, vugs diss cp-bn, >5% diss mt	.5	770-780		479	.007		.248		
		crystals of white Fspar or Fspathoid		cp > bn, mt diss; ca strs /wk fract.	1	780-790		14480	.009		.326		
				cp, mt diss, ca strs	1	790-800		481	.005		.168		
		Weak-mod pervasive kspar alt'n Diss 2ndary bi		cp bn diss; mt diss	2	800-810		482	.011		.346		
				diss cp, mt; ca strs 1m on fract./wk-mod fract.	1	810-820		483	.008		.155	.065	
		830-840 strong fract/shearing-cp & mt oxidized tr mk-cr & 1m		diss mt, cp; hm on fract w/mk & cr /mod-strong fract	1	820-830		484	.005		.223	.107	100
		839-839.5 Augite PPY dyke, lower contact sheared @65°		830 ca vls @50°, 830.5 shear zone; 1m & mk on fract & rimming fragments	.7	830-840		485	.007		.232	.186	90
				diss cp, mt; ca, chl, cp strs; mt ff/wk fract	.7	840-850		486	.006		.229		100

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PAGE 1 OF 8 | HOLE NO. S-81-235

PROPERTY: Cariboo-Bell | N.T.S. | LAT.: 8675 N | LOGGED BY: R. Simpson | DATE: July 27-31 | COLLARED: July 26/81

PROJECT NO.: | DEP.: 7760 E | SURVEYED BY: | DATE: | COMPLETED: July 31/81

COLLAR: CHAINED ; SURVEYED ; ESTIMATED ;

	GROUND	DRILL DECK	TOP OF CASING
LENGTH			
ELEVATION	3821		
HOLE COORD			

CASING: LEFT IN HOLE: YES ___ NO ___

CORE SIZE	DEPTH	
NQ	20	914

HOLE CHARACTERISTICS		
CAVING	LOST CIRCULATION	WATER POINTS

EQUIPMENT, RODS, BIT, etc IN HOLE:

HOLE SURVEY

DEPTH	COLLAR	450	900
DIP	-89°	-88°	-88°
MAG BEARING			
GRID BEARING	N		
TRUE BEARING			
INSTRUMENT			

OBJECTIVE / COMMENTS: Test for east/depth extension of zone 3.

0 - 700' blochy, broken ground, fractures paralleling hole.

E & B EXPLORATIONS INC.	PROPERTY: Cariboo-Bell	PAGE 1 OF 8.	HOLE NO. S-81-236
PROJECT NO:	LAT: 8270 N	LOGGED BY: R.G. Simpson	DATE: Aug. 5-9/81
N.T.S.	DEP: 7257 E	SURVEYED BY:	DATE:

COLLARED: Aug. 4/81

COMPLETED: Aug. 9/81

COLLAR: CHAINED ; SURVEYED ; ESTIMATED ;

	GROUND	DRILL DECK	TOP OF CASING
LENGTH			
ELEVATION	3687		
HOLE CO-ORDS.			

CASING:
LEFT IN HOLE: YES ___
NO 10'

HOLE SURVEY

DEPTH	COLLAR	450'	900'					
DIP	57°	56°	54°					
MAG BEARING								
GRID BEARING								
TRUE BEARING								
INSTRUMENT								

CORE SIZE	DEPTH		HOLE CHARACTERISTICS		
				LOST	WATER
NQ	10	926	CAVING	CIRCULATION	POINTS
				390 (80%)	

EQUIPMENT, RODS, BIT, etc.-IN HOLE:

OBJECTIVE / COMMENTS: Test eastern depth extension and Au mineralization of zone 3.

E & B Explorations Inc.

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FEET	METRES	ROCK TYPE / ALTERATION	GRAPHIC LOG	MINERALIZATION / STRUCTURE	% SULFIDE	SAMPLE INTERVAL	SAMPLE LENGTH	SAMPLE NO.	ASSAYS Au		CuO	Cu	Rec.	
10	283	INTRUSIVE BRECCIA Monzonite ppy & syenodiorite fragments in		mt, ep, ca ff; diss mt 5-8% diss cp-mk/mod fract, lm on fract	.5	10-20	10'	14582	.010		.326	.348	85	
		Syenite matrix. Fracture controlled. kspar alt'n, locally pervasive. Vuggy		mt, ca ff; diss mt, cp-cr; mk lm on fract/mod fract	.3	20-30		583	.007		.320	.344	98	
		sections; superimposed crackle breccia w/ mt, ca ff		mt 7-10% diss & ff; ca strs, vls, diss cp-mk, cr; mk on fract	.3	30-40		584	.011		.562	.580	85	
		57-85.5 Matrix bleached, crackle		" 47.5-48 shear zone @20°	.5	40-50		585	.005		.388	.421	100	
		breccia, fract controlled kspar alt'n, locally pervasive; minor ep. diss		ca, ze, mt ff; diss mt, cp→mk, cr; mk, cr on fract /mod fract	.5	50-60		586	.005		.293	.336	90	
		vugs lined w/ kspar & diss cr 85.5-97 Perv. kspar alt'n		10% mt diss & ff; ca, ze ff; cp→mk, cr & on fract/wk fract	.5	60-70		587	.002		.242	.259	100	
				"	.5	70-80		588	.003		.494	.592	100	
		94 Prehnite rosettes on fract		" 89 shear @40°	.5	80-90		589	.003		.430	.494	98	
		97-113 Bleached syenite matrix		10% mt diss & ff; ca-ze ff, vlts cp-mk, cr diss & on fract 97 large cp blebs	.5	90-100		14590	.003		.339	.347	90	
				ca, ze, mt, ff; diss cp-mk, cr shear w/slickensides @0-5°	.2	100-110		591	.003		.189	.216	80	
				ca, ze, mt ff; diss mt, mk-cr cp; shear following core	.5	110-120		592	.005		.469	.498	75	
				ca, ze, kspar vls, mt, cp-mk, cr ff, diss /wk-mod fract.	.3	120-130		593	.004		.377	.395	100	
				"	.3	130-140		594	.004		.290	.309	100	
				mt, cr-mk ff & diss; amorph cr in vug @145.5; lm on fract 144.5 shear @10°/mod-str fract		140-150		595	.004		.363	.364	98	

E & B Explorations Inc.

HOLE NO. S-81-235

FEET	METRES	ROCK TYPE / ALTERATION	GRAPHIC LOG.	MINERALIZATION / STRUCTURE	% SULFIDE	SAMPLE INTERVAL	SAMPLE LENGTH	SAMPLE NO.	ASSAYS Au		Cu	CuO	Rec
20	68	MONZONITE PPY-1 30% Pspar phenos 1-2 mm		chl, ca, mt ff; diss mt /strong fract.		20-30		14493	.002		.067		95
		5-10% chloritized mafic phenos; groundmass fine grained orange brown; pervasive		"		30-40		494	.002		.051		98
		kspar alteration. Shattered core w/ poor recovery from 40'		"		40-50		495	.001		.048		80
68	109	AUGITE PPY DYKE; dark green w/ 40-50% augite phenos 1-5 mm;		" 52-53.5 Fault zone?-poor rec.		50-60		496	.002		.074		50
		5-10% olivine phenos. Core shattered, poor recovery, fract		ca-ze, chl, mt ff; mt diss shattered core, poor rec.		60-70		497	.001		.040		50
		& shears subparallel to core. Lower contact irregular @10-20°		"		70-80		498	.001		.021		65
				"		80-90		499	.001		.022		30
109	125	INTRUSIVE BRECCIA Monzonite ppy & SyD fragments,		"		90-100		14500	.001		.017		75
		subrounded in matrix of orange-brown k feldspathized syenite. Mafics		"		100-110		501	.001		.058		85
		chloritized.		ca, ze, chl, mt, mk, cr ff		110-120		502	.011		.392	.390	90
125	134	AUGITE PPY DYKE		diss mt/strong fract.									
		128.5-134 Alternating dyke/breccia probably follows irregular contact		"		120-130		503	.007		.242	.237	75
134	137.5	BRECCIA		"		130-140		504	.010		.302	.264	65
137.5	163	AUGITE PPY DYKE, same as before		ca-ze strs shear zones, shattered core		140-150		505	.001		.013		85
		Lower contact sharp irreg. @10-20°		"		150-160		506	.001		.011		95

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HOLE NO. S-81-235

FEET	METRES	ROCK TYPE / ALTERATION	GRAPHIC LOG.	MINERALIZATION / STRUCTURE	% SULFIDE	SAMPLE INTERVAL	SAMPLE LENGTH	SAMPLE NO.	ASSAYS Au		Cu	CuO	Rec
163	185	BRECCIA Large M PPY fragments common 1-2'		ca-ze strs, shear zones, shattered core to 163		160-170		14507	.008		.201	.184	82
		Pervasive kspar alt'n		ca, ze, chl, mt, mk, cr ff; diss mt & mk (after cp), lm on fract. /mod. fract.	tr	170-180		508	.010		.248	.236	99
185	272	MONZONITE PPY - 1 as before Pervasive kspar alt'n		"	tr	180-190		509	.008		.175	.127	90
				ca, ze, strs; diss mt, minor mk on fract./mod-strong fract		190-200		14510	.002		.053	.043	95
				" /strong fract.		200-210		511	.002		.076	.070	75
		212.5 xenolith of SyD 2.5 cm diam.		ca-ze ff, mt diss & ff /mod-strong fract.		210-220		512	.001		.044	.040	97
				"		220-230		513	.002		.044	.035	98
		Scattered SyD xenoliths		" 233-236 Fault zone w/clay-chl gouge		230-240		514	.002		.033	.030	90
		243 M PPY-2? dyklets 7 cm @70°		ca-ze, mt ff strong fract.		240-250		515	.001		.043	.037	95
				" /shattered core		250-260		516	.001		.030	.029	75
278	536.5	INTRUSIVE BRECCIA (fault contact)		ca, ze, mt ff; cr on fract. 267.5 shear w/healed gouge @50-60°		260-270		517	.002		.075	.074	80
		strongly leached by ground water adjacent to fault. Pervasive kspar alt'n		ca, ze ff; diss mt bi 272-278 Fault zone w/gouge		270-280		518	.009		.139	.138	50
		Diss 2ndary bi. Oxide zone. Monz & SyD fragments in Sy matrix w/		ca, ze ff; diss mt bi /strong fract.		280-290		519	.019		.418	.402	85
		superimposed crackle breccia w/ca mt strs & vls.		ca, mt ff, vls; diss cr-mk		290-300		14520	.010		.280	.278	98

E & B Explorations Inc.

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FEET	METRES	ROCK TYPE / ALTERATION	GRAPHIC LOG.	MINERALIZATION / STRUCTURE	% SULFIDE	SAMPLE INTERVAL	SAMPLE LENGTH	SAMPLE NO.	ASSAYS Au		CuO	Cu	Rec	
		Intrusive breccia → less well developed brecciation, more syenite matrix		ca, ze, mt, cp, cr ff; diss mt, cp-mk, cr/wk. fract.	.5	150-160		14596	.003		.342	.344	100	
		176 - crackle breccia section		"	.2	160-170		597	.002		.302	.330	100	
				"	1	170-180		598	.006		.232	.461	100	
				"	1	180-190		599	.004		.138	.309	100	
				"	1	190-200		14600	.008		.182	.310	100	
				"	.5	200-210		601	.005		.184	.508	100	
				well diss cp-(mk), mt, ca-ze, mt ff/mod. fract.	1.5	210-220		602	.008		.104	.439	100	
				" minor cuprite on fract.	1.5	220-230		603	.009		.078	.446	100	
				mt, ca, ze, chl ff; diss cp, mt	.5	230-240		604	.004			.339	100	
		well brecciated w/cavities/crackle breccia texture; Pervasive kspar		" /wk. fract.	1	240-250		605	.006			.497	100	
		alt'n; mt 5-10%, large blebs common		cp well diss & ff w/mt ca, chl, qz, ze ff/wk. fract.	3	250-260		606	.010			.398	100	
				cp, bn, mt diss & ff; ca, ze strs & vug linings/wk. fract.	4	260-270		607	.033			1.125	100	
		277 minor basic dyke 3-4 cm @30°		cp: bn 4:1 diss & in vugs ca, qz, mt ff	4	270-280		608	.024			.740	100	
283	318.5	PORPHYRY DYKE- faint round phenocrysts (leucite?) whitish in colour in		280.5-shears @20 & 40° w/CuO & cuprite, ca-ze ff	.5	280-290		609	.003			.136	100	

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HOLE NO. S-81-235

FEET/METRES		ROCK TYPE / ALTERATION	GRAPHIC LOG.	MINERALIZATION / STRUCTURE	% SULFIDE	SAMPLE INTERVAL	SAMPLE LENGTH	SAMPLE NO.	ASSAYS Au		Cu	CuO	Rec
		kspar → clay then alt'n - dark orange colour pervasive to 360'		ca, mt ff, vls; cr-mk diss & on fract., strong fract.		300-310		14521	.009		.276	.263	95
				" shears common		310-320		522	.021		.523	.518	95
				" shears @30°/strong fract.		320-330		523	.010		.290	.282	95
				" /mod. fract.		330-340		524	.012		.332	.255	98
				ca, mt ff, strs; diss cr-mk 340 first sign of diss cp	tr	340-350		525	.008		.320	.196	98
				ca, mt ff, vls, diss mt cp /mod fract.	tr	350-360		526	.013		.268	.136	98
		360-363 SyD matrix, med grey 366-384.5-Poorly brecciated		ca, mt, chl strs, diss mt, cr-mk on fract.	tr	360-370		527	.004		.120	.065	98
		mainly grey syenite, med-grained hypidiomorphic granular		"		370-380		528	.002		.076	.052	98
		chlorite alt'n of mafics 384.5-391.5~ Distinctly brecciated		" , qz vl. 380-382 shattered core	tr	380-390		529	.004		.132	.078	90
		w/ crackle breccia locally 391.5- Intense kspar-hm		ca, mt ff; cr on fract. CuO & cuprite on fract.	tr	390-400		14530	.019		.382	.166	96
		alteration (pervasive) (392-394 Basic Dyke - dark grey w/		ca, mt ff; diss mt, cp /strong fract.	tr	400-410		531	.012		.290	.048	85
		contacts @40°) 401 Minor basic dyke 10-20 cm irreg.		"	tr	410-420		532	.024		.368	.052	85
				" /mod fract.	tr	420-430		533	.023		.328	.078	98
				ca, mt, cp ff; diss mt, cp	.2	430-440		534	.019		.362	.035	98

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HOLE NO. S-81-236

FEET/ METRES		ROCK TYPE / ALTERATION	GRAPHIC LOG	MINERALIZATION / STRUCTURE	% SULFIDE	SAMPLE INTERVAL	SAMPLE LENGTH	SAMPLE NO.	ASSAYS Au		CuO	Cu	Rec	
		fine grained med. grey matrix, cp occurs in scattered amygdules near contact		ca-ze ff		290-300		14610	.001			.032	100	
		Upper contact not recovered 299.5 - Monzonite fragments w/ca vlt.		306-308 shear subparallel to core		300-310		611	.001			.042	90	
318.5	322.5	BRECCIA- contact sharp & brecciated		diss cp, bn from 315 in ca filled amygdules	.2	310-320		612	.003		.030	.104	100	
		dyke has finer grained, dark chill margin Brick-red kspar-hm alt'n		diss cp, mt; CuO, cuprite on fract & shears locally oxidized to cr ca, mt, CuO, cuprite ff	.5	320-330		613	.010		.144	.441	100	
				331 shear @20° w/gouge, CuO & cuprite on fract & diss; diss cp 334-335 strong CuO min	.5	330-340		614	.012		.175	.618	100	
		crackle breccia sections w/ mt-ca-cp matrix		ca, mt ff; diss cp, mt, cr in vuggy ca vl & on fract /wk-mod fract.	1	340-350		615	.010		.070	.351	97	
				diss cp, mt; ca, ze, mt ff /wk-mod fract.	1	350-360		616	.009		.071	.370	100	
				cp mt ca ff & diss	2	360-370		617	.011		.052	.420	98	
		strong oxide ore- mainly chrysocolla to 390		370.5-shear w/gouge @30° mk, cr, lm on fract & shears	2	370-380		618	.012		.166	.048	96	
				cr on fract & on blebs w/ca; diss mt cp; lm on fract. shattered sections	1	380-390		619	.013		.568	.702	75	
				diss & ff cp, mt; ca-ze ff /v. wk fract.	4	390-400		14620	.012		.117	.662	100	
		408 bn appears w/cp; dropside w/ca in vl 30°		di-ca str w/cp & bn blebs @ 409, diss mt, cp≥bn; ca-ze strs & vug fillings	.5	400-410		621	.010		.067	.685	100	
				ca, ze, di ff, vlts; mt ff; cp >> bn diss & ff/wk. fract.	.5	410-420		622	.011			.489	100	
		crackle breccia w/mt, di, chl, qz, ca, bi strs & ff, pervasive kspar-hm alt'n		cp > bn diss & ff; mt, chl, di, ca qz ff	1	420-430		623	.009			.216	100	

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HOLE NO. S-81-236

FEET/ METRES	ROCK TYPE / ALTERATION	GRAPHIC LOG.	MINERALIZATION/STRUCTURE	% SULFIDE	SAMPLE INTERVAL	SAMPLE LENGTH	SAMPLE NO.	ASSAYS Au		CuO	Cu	Rec	
			441-442 coarsely crystalline, vuggy ca vlt @5-10°	2	430-440		14624	.010			.420	100	
	2ndary bi present as diss clots; brick red pervasive kspar-hm alt'n. Superimposed		strong diss cp & on fract; mt, ca, 2nd bi /wk. fract.	3-4	440-450		625	.008			.468	100	
	crackle breccia w/ mt, chl, di, qz, ca, ep, bi matrix		"	3	450-460		626	.009			.250	100	
			mt, ca, qz, ff; diss cp, 2nd bi /wk. fract.	2	460-470		627	.009			.339	100	
			mt-cp ff & diss; chl, di, bi in matrix/wk. fract.	3	470-480		628	.010			.409	100	
			"	3-4	480-490		629	.013			.509	100	
			mt, cp diss & ff; CuO on fract trace bn/wk. fract.	2-3	490-500		14630	.011			.438	100	
			mt cp diss & ff	3-4	500-510		631	.014			.662	100	
			cp>bn, mt diss; mt, ca ff /wk. fract.	1	510-520		632	.009			.351	100	
	strongly crackle brcc w/mt-chl-di-cp -ca matrix		cp, mt diss & ff, lge. cp blebs common in crackle brcc & vugs/mod-str fract	3-4	520-530		633	.027			.712	90	
			" /mod fract	3-4	530-540		.634	.017			.519	100	
			diss & ff cp, mt; ca, ff /wk-mod fract	1	540-550		.635	.019			.442	100	
			" /wk. fract.	2	550-560		.636	.012			.391	100	
			" /wk. fract.	1	560-570		.637	.020			.429	100	

E & B Explorations Inc.

HOLE NO. S-81-235

FEET	METRES	ROCK TYPE / ALTERATION	GRAPHIC LOG	MINERALIZATION / STRUCTURE	% SULFIDE	SAMPLE INTERVAL	SAMPLE LENGTH	SAMPLE NO.	ASSAYS Au		Cu	CuO	Rec
				ca, chl, mt ff shears w/hm; mod fract	tr	440-450		14535	.009		.168	.030	100
		2ndary bi on diss clots altered to chlorite		" shears w/hm @10-30°	tr	450-460		536	.008		.166	.018	98
		454-462 Basic dyke - dark green fine grained carbonatized		ca, mt ff; chl on shears 461-462 fault gouge	tr	460-470		537	.004		.097	.005	90
		contacts: upper sharp, irreg; lower faulted w/ gouge		ca vls, ff; hm, mt ff tr cp/mod fract.	tr	470-480		538	.002		.053	.015	98
		462-471 BRECCIA, Pervasive kspar-hm alt'n; intense		chl, ca ff; hm, mt ff tr cp on fract/mod fract	tr	480-490		539	.002		.050	.015	98
		micro fracturing @20-30° 470 SyD fragment		ca ff. shears subparallel to core 5-10°/mod-str fract.	tr	490-500		14540	.002		.063	.025	100
		471 -		ca, chl ff; tr cp /mod fract.	tr	500-510		541	.003		.086	.021	100
		matrix changes to dark brown feldspar ppytic w/ more angular		"	tr	510-520		542	.009		.164	.042	99
		fragments 1-5 cm diam, mainly SyD		"	tr	520-530		543	.004		.100	.021	
		Minor vein/fract controlled kspar alt'n		ca strs; chl on fract py diss, ff near contact	tr	530-540		544	.004		.106	.026	
536.5	539	CONTACT ZONE Indistinct fragments in fine gr. dk. brown		ca strs, ff		540-550		545	.001		.006	.002	
539	553	matrix - 539 sharp; irregular contact CRYSTAL & LAPILLI TUFF		ca, kspar strs, diss mt, cp /mod fract.	tr	550-560		546	.001		.037	.007	
		Pale greens, browns & greys w/scattered crystal &/or lapilli fragments		"	tr	560-570		547	.002		.056	.017	
		548-551 Lapilli alongated (flattened) @80-90° lower contact sharp, indistinct		ca, chl, mt strs; diss mt, cp; cp on fract	.5	570-580		548	.003		.111	.013	

E & B Explorations Inc.

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FEET/ METRES		ROCK TYPE / ALTERATION	GRAPHIC LOG.	MINERALIZATION / STRUCTURE	% SULFIDE	SAMPLE INTERVAL	SAMPLE LENGTH	SAMPLE NO.	ASSAYS Au		CuO	Cu	Rec	
		Intrusive brcc continuing, angular fragments		CuO, cuprite on fract & in ca vlt @576, diss mt, cp, lm, cr 578 shear @30° w/gouge	1	570-580		14638	.011		.102	.399	100	
		Pervasive kspar, diss bi alteration		cp, mt diss & ff; diss 2nd bi 583 shear @50° w/gouge	4	580-590		639	.024		.058	.648	100	
				CuO, cuprite on fract; mt, cp diss, ff. ca ff, shears @60-70° common/mod, fract.	2-3	590-600		14640	.011		.057	.459	97	
				cp, mt, diss & ff, ca, kspar, di ff	2	600-610		641	.017		.044	.471	96	
		strong native copper veins in and adjacent to fault zone @623' (613-628)		CuO, cuprite on fract & diss, cp, mt diss, ff; ca strs/mod-str fract.	1	610-620		642	.015		.107	.634	90	
				" 623-24 FAULT ZONE w/cuprite	1	620-630		643	.011		.274	.446	90	
				cp, mt diss, ff /wk. fract.	2	630-640		644	.016		.066	.620	100	
				(646.5 start of oxide ore-cr, lm - 654) /wk. fract.	1	640-650		645	.018		.185	.398	100	
				cr, CuO, cuprite on fract, diss w/lm, 654-cp, mt diss/wk frac	1	650-660		646	.012		.162	.471	100	
				662-666 oxide zone, lm, cr, cuprite diss mt, cp/wk-mod fract.	.5	660-670		647	.014		.205	.460	100	
				diss & ff mt, cp	.8	670-680		648	.012		.094	.383	100	
				" /mod. fract.	.5	680-690		649	.011		.128	.367	100	
				691.5-696 Fault zone w/cuprite diss cp, mt, bn (oxide)	.3	690-700		14650	.009		.235	.272	80	
				CuO on fract; diss cp, mt 707 shears w/gouge @35°	.5	700-710		651	.006		.156	.260	95	

E & B Explorations Inc.

HOLE NO. S-81-235

FEET/ METRES		ROCK TYPE / ALTERATION	GRAPHIC LOG.	MINERALIZATION / STRUCTURE	% SULFIDE	SAMPLE INTERVAL	SAMPLE LENGTH	SAMPLE NO.	ASSAYS Au		Cu	CuO	Rec
553	583.5	INTRUSIVE BRECCIA - altered near contact. Monzonite ppy matrix		ca, chl strs; diss mt cp diss w/ chl clots fract @10-20°	.2	580-590		14549	.005		.137	.016	
		Fract/vein controlled kspar alt'n 567 - Pervasive kspar-hm alt'n		ca, chl ff, diss mt, cp /mod fract.	.5	590-600		550	.004		.137	.025	
583.5	587	small, subangular fragments ANDESITIC FSPAR PPY, dark grey, steep		"	.2	600-610		551	.006		.140	.031	
587	698.5	sharp irregular contact BRCC; Perv. kspar-hm alt'n, to 589		" 618.5-621 strong cp	.5	610-620		552	.006		.118	.013	
		589-599 Fract/vein kspar alt'n, dark brown M PPY matrix; no fragments		ca, chl, mt ff & vls; diss mt, cp/mod fract.	.2	620-630		553	.005		.084	.053	
		from 589 to 599 599-606 Perv. kspar alt'n - dark orange		634-639 MISLATCH, fract. @0-5°	.2	630-640		554	.003		.077	.004	45
		- brown matrix 606-614.5 Poorly brecciated dk. brown		ca, mt ff; diss mt, cp fract 0-10°	.2	640-650		555	.004		.094	.020	95
		M PPY 614.5-632 Perv. kspar alteration		" lm on fract.	tr	650-660		556	.002		.075	.025	60
		632-645 M PPY w/few brcc fragments 644.5 Minor basic dyke 20 cm, irreg. contact		ca ff; diss mt 5-10%- v. fine gr. diss cp & bn/mod fract.	.5	660-670		557	.003		.108	.014	90
		645-660 Well brecciated - poor recovery due to hole following fractures		" /mod fract.	.5	670-680		558	.003		.110	.017	98
		676 Strong perv. kspar alt'n 692.5-Perv kspar altered Sy matrix		ca, mt, cp ff; diss mt & cp /mod fract.	.2	680-690		559	.005		.160	.036	100
		w/rounded SyD fragments & angular mafic fragments		"	.5	690-700		14560	.004		.146	.018	100
698.5	704	MONZ PPY W/ BRECCIA sections Possibly following contact		" /wk fract	.2	700-710		561	.002		.072	.006	100
704	883	MONZ PPY - med. grained, hypid granular mafics chloritized		ca, kspar ff; diss mt, cp, cp on fract/wk fract.	.2	710-720		562	.002		.043	.011	100

E & B Explorations Inc.

HOLE NO. S-81-235

FEET/ METRES		ROCK TYPE / ALTERATION	GRAPHIC LOG.	MINERALIZATION / STRUCTURE	% SULFIDE	SAMPLE INTERVAL	SAMPLE LENGTH	SAMPLE NO.	ASSAYS Au		Cu	CuO	Rec
		MONZ PPY-1 Mafics partly chloritized		ca, qz ff; diss mt, cp on fract/v. wk. fract.	tr	720-730		14563	.001		.046	.009	100
				qz, ca, kspar, mt ff; minor cp diss & ff	tr	730-740		564	.001		.039	.011	100
				" /wk. fract.	tr	740-750		565	.001		.025	.005	100
				"	tr	750-760		566	.001		.033	.006	100
				" ca, chl vl subparallel to core	tr	760-770		567	.001		.029	.003	100
				ca, chl, ep vls, strs @5-15° /wk fract.		770-780		568	.002		.042	.012	100
				ca, chl, kspar strs		780-790		569	.003		.032	.002	100
				ca-chl-hm-ep vlt parallel to core		790-800		14570	.001		.028	.003	100
		806.5-807 Ultramafic dyke - black fine gr. w/ 40% divine phenos 1-2 mm		ca, chl, ep ff, vls		800-810		571	.002		.020	.004	100
		irregular contacts 824-832 AUGITE - OLIVINE PPY DYKE		ca, ze, ep, chl vls paralleling core, hm on fract.		810-820		572	.001		.021	.003	100
		dark green to black, contact irreg, sharp (830.5-831- M PPY section)		ca, ep, chl ff		820-830		573	.001		.019	.005	100
				ca, chl strs cp ff w/mt /wk. fract.	.2	830-840		574	.002		.047	.010	100
				ca, chl, ep ff fract @0-5° w/ hm, chl	tr	840-850		575	.001		.035	.010	100
				ca, chl, ep ff; hm on fract. /wk. fract.	tr	850-860		576	.001		.031	.005	100

E & B Explorations Inc.

HOLE NO. S-81-234

FEET	METRES	ROCK TYPE / ALTERATION	GRAPHIC LOG.	MINERALIZATION / STRUCTURE	% SULFIDE	SAMPLE INTERVAL	SAMPLE LENGTH	SAMPLE NO.	ASSAYS Au		ASSAYS Cu			
855.5	860.5	Andesitic Fspar PPY - dark grey groundmass w/20-30% small Fspar phenos		ca, qz strs; diss cp, mt /wk fract	.8	850-860		487	.006		.162			
		contacts sharp irregular		chl, ca, qz cp strs; diss cp	.5	860-870		488	.005		.137			
880.5	906	BRECCIA		mt /wk fract.										
		orange-brown to pink M PPY fragments in dark syenitic matrix; diss clots		ca strs; diss cp, mt mod/fract.	.3	870-880		489	.012		.133			
		of 2ndary bi altered to chl		ca strs, diss mt, minor diss cp, mt ff/mod-str. fract.	tr	880-890		14490	.008		.079			
				ca, qz strs, diss mt, cp lm on fract./mod-strong fract	tr	890-900		491	.002		.063			
				qz & ca strs; mt diss, ff lm on fract.	tr	900-906		492	.001		.068			
		906 END OF HOLE												

E & B Explorations Inc.

Page 8 of 8 | HOLE NO. S-81-235

FEET	METRES	ROCK TYPE / ALTERATION	GRAPHIC LOG.	MINERALIZATION / STRUCTURE	% SULFIDE	SAMPLE INTERVAL	SAMPLE LENGTH	SAMPLE NO.	ASSAYS Au		Cu	CuO	
				ca, chl, ep ff; ca-ze vl @25° /wk. fract.		860-870		14577	.002		.035	.005	
				ca, chl, kspar chl-qz vlt w/cp	tr	870-880		578	.001		.024	.004	
883	890	AUGITE-OLIVINE PPY DYKE contact sharp, irreg.~25°		qz, ca strs /wk. fract.		880-890		579	.001		.014	.002	
		Large phenocrysts 2-3cm diam. of olivine & pyroxene near lower contact		qz, ca, kspar, chl strs mt ff; trace diss cp	tr	890-900		14580	.001		.017	.003	
890	896	M PPY-1 contact sharp @60°		ca strs		900-914		581	.001		.013	.002	
896	914	AUGITE PPY DYKE contact sharp 30°											
		augite & olivine phenos											
		914 - END OF HOLE											

E & B Explorations Inc.

HOLE NO. S-81-236

FEET	METRES	ROCK TYPE / ALTERATION	GRAPHIC LOG	MINERALIZATION / STRUCTURE	% SULFIDE	SAMPLE INTERVAL	SAMPLE LENGTH	SAMPLE NO.	ASSAYS Au		Cu	Rec		
843.5	863.5	MONZ PPY-2 larger Fspar phenos 30-35% in whitish to pale		cu, chl ff /strong fract.		850-860		14666	.001		.009	97		
		pink matrix, mafics are chloritized & circular		"		860-870		667	.001		.022	97		
		850-strongly altered (ser.) Fspar phenos become indistinct, matrix		" /str-intense fract.		870-880		668	.001		.005	95		
863.5	866.2	becomes pale brown M PPY-1; sharp, irreg. contacts		"		880-890		669	.001		.038	90		
866.2	880	M PPY-2 v. pale, fine gr. matrix becoming		ca ff /strong fract.		890-900		14670	.001		.025	95		
		orange-brown colour @874 & dark greenish brown from 887-880		"		900-910		671	.001		.023	97		
880	920	M PPY-1 as before; Pspar phenos 1-3 mm		"		910-920		672	.001		.018	97		
		887.5-889.5-large SyD xenolith. Groundmass pale pink to orange brown												
920		END OF HOLE												

E & B EXPLORATION INC.
STE. 1440 - 800 WEST PENDER ST., VANCOUVER B.C.

ROTARY DRILL LOG

PROJECT: CARIBOO BELL

DATE COLLARED: Nov. 12 COMPLETED: Nov. 14 ELEV.: HOLE No.: R-81-2/2A

CONTRACTOR: Can-West Drilling Inc. INCL.: Vertical (-90°) DEPTH: 15/205

COORDINATES: 8702 N. 7258 E. BEARING PAGE: 1 OF 2

LOGGED BY: DATE:

FOOTAGE From	FOOTAGE To	LOG	ROCK TYPE	ALTERATION	MINERALIZATION / STRUCTURE	% Sulphide	ASSAYS % Cu	ASSAYS %CuOx	ASSAYS Oz/ton Au
0	10		40-50% orange stained Monzonite fragments	ser, chl, cu	5% mt.; trace cp, py bn? Minor chrysocolla, lim.	Tr	.183		.006
10	20		"	"	3% mt, tr cp minor chrys + lim	Tr	.142		.002
20	30		80% orange Monz	"	"	Tr	.182		.002
30	40					Tr	.125		.003
40	50					Tr	.135 .150		.002 .002
50	60		55-65 Augite	secondary BI	5% mt; tr cp chrys	Tr	.230 .130	.202	.007 .002
60	70		Green px xtals 65-70 Orange Monz.	"	"	Tr	.252 .117	.238	.009 002
70	80		70-Grey Stenodiorite grain size, ≤ 2mm; avg. < 1 mm	ser, chl, minor ep	4-5% mt; tr py	Tr	.068 .138	.122	.002 .002
80	90						.036 .112	.103	001 .006
90	100		5 G. P. M.				.047	.040	.003
100	110						.024	.022	.002
110	120		115 (only in R-81-2)		WATER ↓		.023	.019	.002
120	130		-125 Pyroxenite Dyke (green px crystals 50 - 60%	-125,6 - 8% mt in dyke	125- 4 - 5 % mt, minor cp cu ox	.3	.159	.131	.010
	140		124 - 150 Monz (?) pale orange-yellow	Secondary BI Ser	5% mt ; minor Cp chrysocolla common	.5	.202	.173	.010
140	150			"	lim. stains	.3	.101 .186	.083 .165	.002 .009
150	160			"	Minor Cu, Ox, to, Cp, 5% mt	Tr	.132		.002

ROTARY DRILL LOG

FOOTAGE From	FOOTAGE To	LOG	ROCK TYPE	ALTERATION	MINERALIZATION / STRUCTURE	% Sulfide	ASSAYS % Cu	ASSAYS % Cu Ox	ASSAYS oz/ton Au
0	170		(minor Pyrokenite dyke)	ser-chl	minor Cu, Ox; tr py, cp	Tr	.150	.130	.005
170	180			"	py >> cp; 5% mt 2 - 3% mt	.5	.130	.090	.002
180	190			"	py, minor Cp, Cu, Ox 3% mt.		.132	.068	.002
190	200			"	py minor Cp, 3-4% mt	.2	.235	.114	.008
200	205		70% Orange Monz.	"	py, minor Cp, Cu, Ox 5% mt.	.2	.180	.110	.003

E & B EXPLORATION INC.
STE. 1440 - 800 WEST PENDER ST., VANCOUVER B.C.

ROTARY DRILL LOG

PROJECT: Cariboo - Bell

DATE COLLARED: Nov. 18/81 COMPLETED: Nov. 20/81 ELEV: HOLE No. B-81-5

CONTRACTOR: Can-West Drilling Inc. INCL. Vert. (-90°) DEPTH: 700

COORDINATES: 10265 N. 8850 E. BEARING PAGE: 1 OF 4

LOGGED BY: Ron Simpson DATE:

FOOTAGE From	FOOTAGE To	LOG	ROCK TYPE	ALTERATION / MINERALIZATION / STRUCTURE	% Sulphides	ASSAYS % Cu	ASSAYS %CuOx	ASSAYS Oz/Ton Ag
0	10		Orange Monzonite	minor cp; lime stains 2-3% mt	Tr	.100	.028	.002
10	20			"	.2	.079	.030	.002
20	30			"	.2	.105	.013	.006
30	40			"	.3	.142	.013	.008
40	50			"	.2	.117	.011	.009
50	60		Syendodiorite grey-green	3-4% mt., minor cp	.2	.068	.008	.002
60	70			"	.2	.180	.014	.009
70	80		Orange monz	"	.2	.142	.012	.008
80	90			Py, cp, 2-3% mt.	.2	.112	.010	.003
90	100			Py, cp, 2-3% mt.	1	.279	.019	.011
100	110			"	1	.191	.012	.009
110	120			"	.5	.156	.024	.009
120	130			"	.7	.367	.026	.019
130	140			py>cp, 2-3% mt. larger gr. size sulphides	1	.391	.055	.020
140	150		Increased mafic content	cp>py	1	.361	.028	.019
150	160			Cp 2-3% mt.	.5	.418	.026	.020

L & B EXPLORATION INC.
STE. 1440 - 800 WEST PENDER ST., VANCOUVER B.C.

ROTARY DRILL LOG

PROJECT: CARIBOO - BELL

DATE COLLARED: Nov. 14 COMPLETED: Nov. 15/81 ELEV.: 3990 HOLE No. R-81-3

CONTRACTOR: Can-West Drilling & Inc. INCL. Vert. -90° DEPTH: 600

COORDINATES: 9500 N. 8800 E. BEARING PAGE: 1 OF 4

LOGGED BY: Ron Simpson DATE: Nov. 20/81

FOOTAGE From	FOOTAGE To	LOG	ROCK TYPE	ALTERATION / MINERALIZATION / STRUCTURE		% Sulphides	ASSAYS % Cu	ASSAYS %CuOx	ASSAYS Oz/Ton Au
0	10								
10	20		Monxonite PPY Orange Stained	mafics completely altered to chl-ser FP sericitized	2 - 4% mt. trace Py, Cp	Tr	.043		.002
20	30			//	//	Tr	.059		.005
30	40			//	2% mt.		.025		.002
40	50		57 - 79 Syenodiorite	//	//		.013		.001
50	60		Pale grey, Px xtals common <1 mm	//	//		.015		
60	70		79 Orange Monz.	//	//		.009		
70	80			//	//		.008		
80	90		Pale orange Monz. ppy	//	3 - 4% mt.		.008		
90	100			//	//		.012		
100	110			//	//		.015		.001
110	120			//	3 - 4% mt, tr cp	Tr	.043		.002
120	130		Sydr or Augite PPY	//	2 - 3% mt.		.041		.002
130	140		Pale orangeMonz. PPY	//	//	Tr	.022		.001
140	150			//	1% mt.		.021		.001
150	160			//	//	Tr	.017		.001

E & B EXPLORATION INC.
STE. 1440 - 800 WEST PENDER ST., VANCOUVER B.C.

ROTARY DRILL LOG

PROJECT: Cariboo- Bell

DATE COLLARED: Nov. 15 COMPLETED: Nov. 17/81 ELEV: 3990 HOLE No.: R-81-4

CONTRACTOR: Can-West Drilling Inc. INCL.: Vert (-90°) DEPTH: 600

COORDINATES: 9910 N. 8830 E. BEARING ..... PAGE: 1 OF 4

LOGGED BY: Ron Simpson DATE: .....

FOOTAGE From	FOOTAGE To	LOG	ROCK TYPE	ALTERATION / MINERALIZATION / STRUCTURE	% Sulphides	ASSAYS % Cu	ASSAYS %CuOx	ASSAYS Oz/Ton Au
0	10		Monz PPY- dark orange	ser, chl / lim stained 3 - 4% mt	—	.135	.110	.010
10	20		Dry Hole to 345'	〃	—	.093	.054	.009
20	30			tr cpl 3% mt	Tr	.104	.028	.011
30	40			〃	Tr	.207	.031	.030
40	50			〃	Tr	.167	.022	.042
50	60			minor Cp 1 - 2% mt	.3	.213	.032	.029
60	70			2-3% mt, minor Cp	.5	.270	.040	.020
70	80			〃	.5	.202	.038	.024
80	90		Increased in mafic content	〃	.2	.169	.076	.029
90	100			〃	.2	.117	.050	.009
100	110			〃	.5	.218	.050	.010
110	120		Less mafic (as before)	〃	.8	.247	.072	.010
120	130		Dark red-orange Monz	〃	.3	.123	.045	.007
130	140				.5	.174	.034	.010
140	150			1% Cp, 2-3% mt Tr bn	1	.224	.068	.011
150	160			2-3% mt; cp	.8	.280	.065	.044

STE. 1440 - 800 WEST PENDER ST., VANCOUVER B.C.

ROTARY DRILL LOG

PROJECT: CARIBOO BELL

DATE COLLARED: Nov. 7/81 COMPLETED: Nov. 11/81 ELEV.: 3,653 HOLE No.: R-81-1

CONTRACTOR: Can-West INCL.: Vertical (-90°) DEPTH: 780'

COORDINATES: 8,267 N. 7,106 E. BEARING ..... PAGE: 1 OF 4

LOGGED BY: R. Simpson DATE: Nov. 10/81

FOOTAGE From	FOOTAGE To	LOG	ROCK TYPE	ALTERATION / MINERALIZATION / STRUCTURE	% Sulphides	ASSAYS %Cu	ASSAYS %CuOx	ASSAYS oz/to Au
45	50		Orange Monzonite fragments; grain size 1-2mm; Mt. 5%	Kspar-Hm perv. altn. Mt 5%; Tr cp; minor chrysocolla strong lim staining	Tr.	.165		.003
50	60		Ubiquitous; primarily orange to pale pink monzonite fragments	Tr py., cp Orange lim. fract. coatings Dry	Tr.	.138		.002
60	70		Few syenodiorite fragments; monz ppy, fragments w/plag	Strong lim. staining of fragments (oxide zone)	Tr.	.247 .230		.002 .006
70	80		Phenos 1-2mm in fine gr. pale pink groundmass	Chl. alt. of mafics Ca on fra. Strong oxidation; lim. & Cu. Ox (Chrysocolla) Mucic	Tr.	.197 .192		.003 .003
80	90			Strong oxidation; lim. stained fragments; minor Cu oxides Water ↓	Tr.	.197		.008
	100		100' - 10 GPM	90-95 strong oxidation - lim. stains 95-100 minor lim. & Cu. Ox - less oxid'n	Tr.	.128	.123	.002
100	110			Minor Ox Cu; minor lim.	Tr.	.039	.038	.001
110	120			Trace py & cp , mt 5-6% Minor lim.	Tr.	.026	.026	.001
120	130			Trace py & cp Lim on fract	Tr.	.056	.044	.001
130	140			130-140 fine gr. cp & py .5% - 1% 135-140 stronger oxidation lim. & chrys.	.3	.255	.202	.003
140	150		14.5 GPM	140-145 " " " 145-150 fine gr. py, cp .5-1%	.5	.347	.213	.004
150	160			Cp > py fine gr. Cu oxides; minor lim on fract surfaces	.5	.260	.129	.002
160	170			160-170 cp > py ~1% 165-170 stronger oxidn; lim, Cu Ox.	.8	.351	.151	.004
	180			Mod oxidation, lim stain pale orange; cp > py; Cu Ox common	1	.368	.205	.004
180	190			Mod lim staining; cp > py Minor Cu Ox	1	.266	.043	.004
190	200			Mod-str. lim stain; cp > py minor Cu Ox	.8	.205	.038	.002

ROTARY DRILL LOG

FOOTAGE From	To	LOG	ROCK TYPE	ALTERATION	MINERALIZATION / STRUCTURE	% Sulfide	ASSAYS % Cu	% Cu Ox	oz/ton Au
	170				1 – 2% mt. tr cp	Tr	.016		.001
170	180				//	Tr	.011		
180	190				//	Tr	.014		
190	200				//	Tr	.014		
200	210				//	Tr	.013		
210	220				//	Tr	.011		.001
220	230				//	Tr	.018		.002
230	240				//	Tr	.010		.001
	250				2 – 3% mt. Cp	.5	.065 .028	.011 .008	.005 .003
250	260				2 – 3% mt.; tr cp	Tr	.035		.002
260	270		Syenodiorite pale grey-green 10% chloritized	Ser-chl	1 – 2% mt.	Tr	.021		.007
270	280		mafics; possibly Augite ppy	//	//	Tr	.020		.011
280	290			//	//	Tr	.045		.010
290	300		Orange brown Monz fragments predominate		//	Tr	.034		.008
300	310				//	Tr	.051		.008
310	320				//	Tr	.085		.013
	330		Pale grey-green SYDR or Aug. ppy		//	Tr	.074 .118	(DUP) .022	.010 .010
330	340				//	Tr	.073		.009
340	350		orange Monz ppy, FRAGMENTS · PRED.		//	Tr	.087	.013	.010

ROTARY DRILL LOG

FOOTAGE From	To	LOG	ROCK TYPE	ALTERATION / MINERALIZATION / STRUCTURE	% Sulfide	ASSAYS % Cu	% Cu Ox	% Fm Au
160	170		Orange monz	Ser. 2% mt.; cp>py	1	.361	.028	.019
170	180			"	1	.418	.026	.020
180	190			"	1	.209	.018	.011
190	200			"	1	.238	.015	.011
200	210			"	1	.170	.024	.009
210	220			"	.5	.179	.026	.009
220	230			"	1	.413	.028	.015
230	240			"	1	.380	.040	.020
240	250			4-5% mt., cp.	1	.328	.028	.014
250	260			"	1	.265	.023	.011
260	270			"	1.5	.431	.026	.010
270	280			Cp>py	1.5	.141	.013	.008
280	290		More leucocratic	Cp>py 1% mt	1	.042	.008	.002
290	300			Cp, 2-3% mt.	.8	.027	.006	.001
300	310			1-2% mt., cp.	.5	.034	.008	.001
310	320			"	.5	.053	.008	.002
320	330		Orange monz - as before	3-4% mt., cp.	1	.163	.012	.008
330	340			Cp>py 3% mt.	1.5	.398	.021	.014
340	350		10% white ca (?) fragments	Ca minor cp <1% mt.	.2	.290	.034	.012

ROTARY DRILL LOG

FOOTAGE From	To	LOG	ROCK TYPE	ALTERATION / MINERALIZATION / STRUCTURE	% Sulfide	ASSAYS % Cu	% Cu Ox	oz/t Au
180	190		Orange monzonite	Ser-chl | py>cp; 2% mt.	1-2	.324	.008	.005
190	200			" "	1-2	.309	.005	.005
200	210			"	1-2	.186	.005	.004
210	220			"	2	.232	.006	.004
220	230			"	2	.189	.008	.005
230	240			"	2	.237	.030	.005
240	250			"	1	.129	.028	.003
250	260			"	2	.125	.017	.002
260	270			"	2	.118	.020	.002
270	280			"	1	.092	.052	.002
280	290			"	1	.125	.030	.002
290	300			"	1	.106	.023	.002
300	310			Py>cp, 2-3% mt.	3	.100	.016	.001
310	320			"	2	.120	.022	.001
320	330				2	.093	.014	.002
330	340		335-345 fine	"	1	.096	.021	.001
340	350		Gr. white fragments comprise up to 40%	"	2	.086	.025	.002
350	360			"	2	.102	.023	.002
360	370			"	2	.105	.018	.002

ROTARY DRILL LOG

FOOTAGE From	FOOTAGE To	LOG	ROCK TYPE	MINERALIZATION / ALTERATION / STRUCTURE	% Sulfide	ASSAYS % Cu	ASSAYS % Cu Ox	ASSAYS oz/ton Au
	210			200-205 Cp>py .5%; minor Cu Ox moderate lim stain 205-210 Native Cu present	.5	.192		.002
210	220			Cu>py Native Cu as small grains minor chrysoculla; mod lim staining	.6	.320		.003
220	230			Cp > py; Native Cu	.8	.170		.002
230	240			Cp > py; Native Cu .2-.5% trace chrysoculla; minor EP & Cl replacing mafics	1	.220		.002
240	250			Minor py & cp; Tr Native Cu	.2	.108		.001
250	260			Minor py, cp; tr. Native Cu	.3	.166 .100		.002 .001
260	270			Minor py, cp; tr. CuOx	.3	.077		.002
270	280			Cp > py	.8	.226		.008
	290			Cp > py	1	.288		.009
290	300			Cp, py	.5	.118		.002
300	310			300-305 Cp>py ~1% Tr CuOx 305-310 minor Cp py	.5	.272		.005
310	320			Cp>py Tr Native Cu	.5			
320	330			Cp; py Minor Native Cu & cuprite	.3	.188		.002
330	340			330-335 Native Cu & CuO .3-.5% Minor py & cp (coarser Cu°) 335-340 cp>py ~ 2%; 2ndary BI	1	.244		.003
340	350			2ndary BI flakes 340-345 - 2% cp>py 345-350 - 1% cp minor py	1.5			
350	360		Orange-stained fragments - 70%	py ≥ cp 2ndary BI	2	.215		.007
360	370		To 365 365-370 5% orange fragments	py = cp Trace Cu°; 2ndary BI	2	.335		.010
370	380		40-50% orange stained fragments	cp > py tr cuprite	.5	.134		.007
380	390		380-385 80% orange fragments 385-390 10% " "	Cp = py trace Cu°	.8	.190		.010

ROTARY DRILL LOG

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FOOTAGE From	To	LOG	ROCK TYPE	ALTERATION	MINERALIZATION / STRUCTURE	% Sulfide	ASSAYS % Cu	% Cu Ox	% Fm Au
0	170			Ser, chl	3 – 4% mt; cp	.7	.298	.089	.019
170	180				cp, Minor bn 4 – 5% mt	1	.243	.094	.019
180	190				//	.5	.216	.086	.010
190	200				//	.5	.161	.034	.010
200	210		203-218(?) Aug ppy or sydr		//	.5	.044	.016	.003
210	220				5% mt, tr, cp	Tr	.114	.030	.010
220	230				minor cp 2 – 3% mt	.3	.248	.067	.010
230	240				cp minor bn 2 – 3% mt	.7	.278	.061	.013
240	250				//	.8	.140	.033	.010
250	260				//	.5	.138	.034	.010
260	270		Increase in mafics		//	1	.246	.060	.012
270	280				//	.5	.216	.038	.016
280	290				//	.5	.133	.042	.019
290	300				//	.3	.130	.032	.010
300	310				//	.5	.131	.032	.010
310	320				//	.3	.057	.018	.007
320	330				//	.3	.079	.018	.009
330	340				minor cp 2 – 3% mt	.2	.084	.026	.009
340	350		2 GPM		//	.2	.096	.018	.008

ROTARY DRILL LOG

FOOTAGE From	To	LOG	ROCK TYPE	MINERALIZATION: ALTERATION / STRUCTURE	% Sulfide	ASSAYS % Cu	% Cu Ox	oz/ton Au
390	400		80-90% orange fragments	cp>py 395-400 Cu^{o} .5% 2ndary BI \ appears to be primary	1	.355		.012
400	410		"	Native Cu .5 to >1% Diss + FF Minor py & cp	.2	.522		.011
410	420		"	Cu^{o}: .5-1%	Tr.	.388		.010
420	430		425 30-40% orange fragments	Cu^{o} .5-.8% (425-430 less Cu^{o}, increase cp-py	Tr	.276		.008
430	440		5% orange fragments	Cp>py Minor Cu^{o}, 2ndary BI	2%	.370		.010
440	450		"	Cp=py Minor Cu^{o}; 2ndary BI	1.5	.193		.008
450	460		30-40% orange fragments to 455	Cp>py	1	.200		.008
460	470			py>cp ~~Tr chrysocolla~~	1	.146		.008
470	480		470-475 <5% orange fragments 475-480 70% " "	py = cp	1	.138		.010
480	490			py >> cp (10:1) (480-485 3-4% py)	2	.110		.002
490	500		<5% orange fragments	py = cp; mg 5%	.5	.066		.002
500	510		40-50% "	py >> cp	2	.251		.009
510	520		515-520 <5% orange fragments	510-515 py >> cp 515-520 py > cp	3	.252		.009
520	530		80-90% " "	py>cp	2	.234		.009
530	540			py > cp	2	.173		.006
540	550		5-10% orange frags.	py > cp	2	.236		.007
550	560			py > cp	3	.205		.007
560	570		565-570 50% " "	py>> cp	4	.217		.008
570	580		70-80% orangefrags	py >> cp	3	.242		.010

ROTARY DRILL LOG

FOOTAGE From	To	LOG	ROCK TYPE	ALTERATION / MINERALIZATION / STRUCTURE	% Sulfide	ASSAYS % Cu	% Cu Ox	% Au
360	360		Orange-brown monz fragments, pred.	3-4% mt.; cp>py	1.5	.254	.013	.010
	370			" Water ↓	1	.233	.014	.009
	380			"	1	.235	.011	.008
	390			Py=cp 3-4% mt.	2	.314	.024	.012
390	400			"	1.5	.418	.028	.020
400	410		10 GPM	"	1.5	.268	.017	.010
410	420			Py>cp 3% mt.	2	.224	.026	.008
420	430			Cp>py 3-4% mt.	1.5	.354	.032	.019
430	440			"	1.5	.504	.027	.020
440	450			"	1.5	.266	.016	.008
450	460			"	1.5	.208	.014	.003
460	470			"	1.5	.218	.016	.004
	480			"	1.5	.195	.020	.002
	490		Increased mafic content	Py, cp, 4% mt.	.5	.051	.009	.001
	500		Orange monz as before	Cp>py, 3-4%	1	.223	.018	.006
	510			"	1.5	.162	.015	.002
	520			"	.8	.146	.016	.002
	530			"	.7	.122	.011	.002
	540			"	1.5	.197	.016	.003

ROTARY DRILL LOG

FOOTAGE From	FOOTAGE To	LOG	ROCK TYPE	ALTERATION	MINERALIZATION / STRUCTURE	% Sulfide	ASSAYS % Cu	% Cu Ox	o/t Au
370	380			Ser	py>cp; mt 2-3%	1	.074	.016	.002
380	390				"	1	.095	.018	.002
390	400			Minor ep	"	1	.177	.017	.003
400	410				"	2	.094	.020	.001
410	420				"	2	.103	.022	.002
420	430		Grey-green sydr or augite	Ser-chl.	py, minor cp, 1% mt.	1	.107	.045	.002
430	440		ppy w/ few orange fragments		"	1	.105	.038	.003
440	450				py>cp	1	.086	.021	.001
450	460		Orange monzonite	Ser	py>cp, 2% mt.	2	.069	.018	.001
460	470				"	2	.062	.017	.001
470	480				py, cp	.5	.043	.013	.001
480	490		Mixed orange + grey monz fragments		py, cp, 2-3% mt.	1	.052	.007	.001
490	500				"	.5	.081	.010	.001
500	510		Dark orange monz		py, cp	2	.150	.016	.002
510	520				"	2	.159	.018	.003
520	530				"	1	.137	.027	.003
530	540				"	1	.095	.017	.002
540	550				"	1	.051	.012	.001
550	560				"	1	.021	.007	.001

ROTARY DRILL LOG

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FOOTAGE From	FOOTAGE To	LOG	ROCK TYPE	ALTERATION / MINERALIZATION / STRUCTURE	% Sulfide	ASSAYS % Cu	ASSAYS % Cu Ox	ASSAYS oz/ton Au
540	550			3% mt, cp, tr bn	.7	.392	.123	.007
550	560			"	.5	.405	.159	.029
560	570			"	.3	.420	.105	.029
570	580			"	.5	.285	.072	.020
580	590			"	.3	.326	.101	.031
590	600			"	.3	.101	.038	.011

ROTARY DRILL LOG

FOOTAGE From	FOOTAGE To	LOG	ROCK TYPE	MINERALIZATION / ALTERATION / STRUCTURE	% Sulfide	ASSAYS % Cu	ASSAYS % Cu Ox	ASSAYS oz/ton Au
580	590		40-50% orange fragments	py≫cp	3-4	.223		.008
590	600		<5% " "	"	3-4	.275		.009
600	610		605-615 orange frags	"	3-4	.710		.011
610	620		Predominate	"	3-4	.365		.010
620	630		Orange fragments predominate	"	3-4	.364		.010
630	640		No orange frags	cp = py	2	.249		.010
640	650		frags " " water @ 80 GPM	cp = py	.7	.214		.009
650	660		switched to tricone	cp & py Minor Cu°	.5	.274		.010
660	670			cp > py	1	.389		.011
670	680			cp>py	1	.250		.010
680	690		685-615 pale orange fragments predom.	cp≫py	1	.452		.011
690	700			cp≫ py	1	.242		.008
700	710			cp = py	1.5	.246		.009
710	720			cp = py	1	.239		.008
720	730			cp>py	1	.315		.009
730	740			cp, py	2	.310		.008
740	750			cp, py	1	.172		.003
750	760			cp>py	1	.230		.002
760	770		Water @ 120 GPM	cp>py	1.5	.217		.002
770	780			cp>py	1.5	.208		.002

ROTARY DRILL LOG

FOOTAGE From	FOOTAGE To	LOG	ROCK TYPE	ALTERATION / MINERALIZATION / STRUCTURE	% Sulfide	ASSAYS % Cu	ASSAYS % Cu Ox	ASSAYS % Mo
560	570		Pale orange monzonite	py>cp; 3-4% mt.	1	.016	.007	.001
570	580			"	2	.031	.008	.001
580	590			"	2	.080	.013	.002
590	600		Dark orange monz	"	3	.096	.018	.002
600	610			"	3	.100	.017	.002
610	620			"	3	.069	.016	.001
620	630		Pale orange	"	3	.040	.011	.001
630	640			"	2	.045	.010	.001
640	650		Pale grey-green Sydr (?)	Ser. Chl. py>cp; 1% mt.	1	.016	.007	.002
650	660		Med. fine gr.	"	3	.015	.007	.001
660	670			"	3	.025	.009	.001
670	680			"	3	.013	.007	.001
680	690			"	3	.015	.007	.001
690	700		60 GPM	"	2	.010	.006	.001

E & B EXPLORATION INC.
STE. 1440 - 800 WEST PENDER ST., VANCOUVER B.C.

ROTARY DRILL LOG

PROJECT: CARIBOO - BELL

DATE COLLARED: Nov. 24 COMPLETED: ..... ELEV: ..... HOLE No. R-81-7

CONTRACTOR: Can-West Drilling ..... INCL. Vert. (-90°) DEPTH: .....

COORDINATES: ..... N. ..... E. BEARING ..... PAGE: 1 OF 3

LOGGED BY: Ron Simpson ..... DATE: .....

FOOTAGE From	To	LOG	ROCK TYPE	ALTERATION / MINERALIZATION / STRUCTURE	% Sulphides	ASSAYS % Cu	%CuOx	Oz/To Au
0	10					.020		.002
10	20		med. fine Monzonite	ser-ep | py; lim stains	2	.022		.017
20	30					.023		.046
30	40					.032		.003
40	50					.022		.005
	60			py; lim stains	2	.025		.001
60	70					.026		.001
70	80					.039		.002
80	90					.035		.001
90	100					.015		.001
100	110			ep-chl | py	3-4	.010		.001
110	120					.017		.001
120	130			chl-ep | py	3-4	.034		.001
	140					.025		.001
140	150					.026		.001
150	160		14 GPM	Py	5	.028		.001

ROTARY DRILL LOG

FOOTAGE From	FOOTAGE To	LOG	ROCK TYPE	ALTERATION	MINERALIZATION / STRUCTURE	% Sulfide	ASSAYS % Cu	% Cu Ox	% Au
	170		Monz.	chl-ep-ser	py	4-5	.023		.001
170	180		//	//	//	//	.013		.001
180	190					//	.012		.001
190	200					//	.013		.001
200	210					5	.023		.001
210	220						.053		.001
220	230						.038		.001
230	240						.032		.001
240	250						.012		.001
250	260						.010		.002
260	270						.020		.001
270	280						.014		.002
280	290						.020		.001
290	300						.029		.002
300	310						.042		.001
310	320						.031		.001
320	330						.024		.001
330	340						.023		.002
340	350						.018		.001

ROTARY DRILL LOG

FOOTAGE From	FOOTAGE To	LOG	ROCK TYPE	MINERALIZATION / ALTERATION / STRUCTURE	% Sulfide	ASSAYS % Cu	ASSAYS % Cu Ox	ASSAYS oz/ton Au
350	360		60 G.P.M.			.028		.001
360	370					.027		.001
370	380					.010		.001
380	390					.020		.001
390	400					.024		.002
400	410					.020		.002
410	420					.022		.001
420	430					.032		.001
[illegible]0	440					.025		.002
440	450		180 G.P.M. switched to tricone			.021		.001
450	460					.024		.001
460	470					.030		.001
470	480					.023		.001
480	490					.040		.001
490	500					.035		.001
500	510					.034		.001
510	520					.022		.001
520	525							

E & B Explorations Inc.

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FEET/ METRES		ROCK TYPE / ALTERATION	GRAPHIC LOG	MINERALIZATION / STRUCTURE	% SULFIDE	SAMPLE INTERVAL	SAMPLE LENGTH	SAMPLE NO.	ASSAYS Au		CuO	Cu	Rec	
		Breccia cont./pervasive kspar, diss 2ndary bi alteration		oxidized, mt, lm, cr diss & f cuprite on fract, ca ff, /strong fract/shattered	.2	710-720		14562	.011		.315	.340	90	
				720 qz vlt., ca ff, cp > bn diss; mt diss; ff /wk. fract	.5	720-730		653	.005		.033	.201	100	
				733.5-fract & shear parallel core, diss cp>bn, mt; CuO, cuprite on fract.	.5	730-740		654	.011		.128	.342	95	
				fract/shear paralleling core w/CuO & cuprite; diss cp > bn mt; ca ff	1	740-750		655	.015		.078	.462	95	
				" /strong fract/core	.5	750-760		656	.012		.089	.339	95	
				cp > bn diss; mt diss, ff 761-763 fault zone w/gouge @50°	.5	760-770		657	.015		.087	.508	95	
				diss cp, mt; ca ff 770-775 fault zone 20°?	.5	770-780		658	.013			.482	90	
		775-less perv. kspar alt'n. Mod. to strong chl alt'n		diss cp, mt; ca, kspar, chl, cp, mt ff/mod fract.	.5	780-790		659	.008			.234	95	
		179-180.5 - M PPY dyke or fragment		"	1	790-800		14660	.010			.292	100	
				"	1-2	800-810		661	.016			.560	100	
				" /mod-str fract	1	810-820		662	.016			.542	97	
822.5	843.5	MONZONITE PORPHYRY-1 contact sharp, irregular w/pervasive		same as above to contact 822.5-ca, mt ff	.2	820-830		663	.005			.165	97	
		kspar alt'n for 20 cm on brcc side white Pspar and chloritized mafic phenos		ca, hm, chl ff; diss cp in xenoliths 831.5-832-Fault zone @70°/mod-strong fract.		830-840		664	.001			.025	96	
		in orange-brown, fine gr. matrix Scattered xenoliths		841.5-minor shear @50° chl, ca ff		840-850		665	.001			.012	96	

ROTARY DRILL LOG

R-81-4

FOOTAGE From	To	LOG	ROCK TYPE	ALTERATION / MINERALIZATION / STRUCTURE	% Sulfide	ASSAYS % Cu	% Cu Ox	oz/ton Au
350	360			4 – 5% mt, minor cp	.3	.137	.026	.010
360	370			4 – 5% mt cp	.5	.138	.030	.010
370	380			〃	.3	.102	.023	.010
380	390			〃	.3	.168	.032	.010
390	400			〃	.3	.132	.026	.010
400	410			〃	.2	.103 .134	.024 .028	.009 .010
410	420			〃	.2	.167	.042	.011
420	430			〃	.3	.173	.042	.012
430	440			〃	.6	.161	.028	.010
440	450		Increase in mafics (chl strs)	cp assoc. with chl strs 3–4% mt	1	.244	.055	.012
450	460			cp, minor bn 3 – 4% mt	.8	.265	.069	.024
460	470			〃	1	.256	.053	.015
470	480			〃	.5	.345	.098	.014
480	490			〃	.7	.218	.038	.016
490	500			〃	.5	.430	.132	.026
500	510			〃	.5	.245	.077	.020
510	520		Mafics common (Dyke?)	8 – 10% mt cp, minor bn	1	.249	.071	.010
520	530		Orange leucocratic Monz.	2 – 3% mt, cp	.5	.191	.043	.011
530	540		10 GMP.	〃	.3	.338	.106	.020

ROTARY DRILL LOG

FOOTAGE From	To	LOG	ROCK TYPE	ALTERATION / MINERALIZATION / STRUCTURE	% Sulfide	ASSAYS % Cu	% Cu Ox	oz/ton Au
350	360		Orange Monz	Ser / 3 – 4% mt, minor Cp	Tr	.118	.015	.012
360	370			// / //	.2	.123	.015	.011
370	380			// / //	.2	.064	-	.009
380	390			// / //	Tr	.042		.003
390	400			// / //	Tr	.037		.003
400	410			// / 3 – 4% mt, minor Py, Cp	.5	.052		.008
410	420			// / //	.5	.106		.010
420	430			Missing Vials		.064		.003
	440					.139		.009
440	450		Mixed Monz & Aug PPY or Sydr Fragments	2 – 3% mt, tr Cp	Tr	.076		.010
450	460			//	Tr	.080		.004
460	470			//	Tr	.085		.006
470	480		Orange Monz PPy	//	Tr	.110		.004
480	490			//	Tr	.086		.006
490	500			//	Tr	.034		.004
500	510		Orange & grey fragments	//	Tr	.061		.005
510	520			//	Tr			
520	530		dark grey fragments predominate	minor Cp, Py 2 – 3% mt	.3	.076		.009
530	540		ORANGE MONZ. & DARK GREY SYDR (?)	//	.3 - .4	.040		.004

ROTARY DRILL LOG

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FOOTAGE From	FOOTAGE To	LOG	ROCK TYPE	ALTERATION	MINERALIZATION / STRUCTURE	% Sulfide	ASSAYS % Cu	ASSAYS % Cu Ox	ASSAYS oz/ton Au
	550		grey-green SYDR fragments pred.	ser, chl	2 - 3% mt; tr Cp	Tr	.037		.004
550	560		Few orange MONZ fragments	//	//	Tr	.044		.004
560	570			//	minor cp; tr bn 2 - 3% mt	.2	.034		.003
570	580			//	tr cp; 2 - 3% mt	Tr	.022		.003
580	590			//		Tr	.035		.002
590	600			//	minor cp; tr bn 2 - 3% mt	.3	.105	.031	.010

ROTARY DRILL LOG

FOOTAGE From	FOOTAGE To	LOG	ROCK TYPE	MINERALIZATION / ALTERATION / STRUCTURE	% Sulfide	ASSAYS % Cu	% Cu Ox	% Cu Au
540	550			Ser. cp>py 3-4% mt.	.7	.089	.015	.001
550	560			"	.8	.119	.016	.002
560	570			"	.8	.223	.020	.004
570	580			"	1	.225	.024	.004
580	590			"	.7	.120	.016	.003
590	600			"	.7	.123	.014	.003
600	610			"	1	.313	.032	.012
610	620			"	1.5	.545	.056	.022
620	630			"	1	.080	.012	.002
630	640			py = cp 3% mt.	.8	.044	.007	.001
640	650		Sydr - pale grey	3-4% mt., minor cp & py	.2	.035	.007	.001
650	660		"	"	.2	.021	.007	.001
660	670		"	"	.3	.028	.006	.001
670	680		50% orange monz fragments	"	.5	.032	.006	.001
680	690			"	.5	.029	.007	.001
690	700			Py>cp	1	.043	.008	.001

E & B EXPLORATION INC.
STE. 1440 - 800 WEST PENDER ST., VANCOUVER B.C.

ROTARY DRILL LOG

PROJECT: CARIBOO BELL

DATE COLLARED: Nov. 20 COMPLETED: Nov. 24 ELEV: ..... HOLE No. R-81-6

CONTRACTOR: Can-West DRilling Inc. INCL.: Vertical (-90°) DEPTH: .....

COORDINATES: .....N. .....E. BEARING ..... PAGE: 1 OF 4

LOGGED BY: ..... DATE: .....

FOOTAGE From	To	LOG	ROCK TYPE	ALTERATION \ MINERALIZATION / STRUCTURE	% Sulphides	ASSAYS % Cu	%CuOx	Oz/To Au
15	30		Greyish brown syenodiorite	Ser. py, minor mt.	3	.013	.008	.001
30	40			Ser., chl. py, minor mt.	3	.006	.005	.001
40	50			" "	3	.006	.005	.001
50	60			" "	3	.010	.006	.002
60	70		10% orange monz fragments w/dis.cp	" py>cp, 1-2% mt.	2	.029	.008	.001
70	80		Orange-brown monzonite	" py; minor cp, 1-2% mt.	2	.448	.030	.009
80	90			py>cp, 2-3% mt.	3	.265	.028	.003
90	100			py>cp, 2-3% mt.	3	.236	.017	.003
100	110			py=cp; 1-2% mt.	2	.256	.020	.009
110	120			py=cp; 2% mt.	1	.568	.052	.012
120	130			"	1-2	.492	.030	.008
130	140			"	1-2	.380	.023	.009
140	150			"	2	.280	.016	.008
150	160			"	1	.302	.022	.008
160	170			"	1	.266	.014	.012
170	180			"	1	.202	.021	.007

MIN-EN LABORATORIES LTD.
705 WEST 15TH STREET, NORTH VANCOUVER, B.C. V7M 1T2
PHONE: (604) 980-5814 OR (604) 988-4524

Certificate of Assay

TO: E & B Explorations,
1440-800 W. Pender St.,
Vancouver, B.C.

PROJECT No. Cariboo-Bel
DATE: Nov. 23/81.
File No. 1-1106

SAMPLE No.	Au oz/ton	Cu %	Cu oxide as Cu %
R-81-2-80-85	.001	.036	.033
R-81-1-40-50	.003	.165	.156
50-60	.002	.138	.135
60-65	.002	.247	.239
75-80	.003	.192	.190
R-81-1-80-90	.008	.197	.185

MINE-EN Laboratories Ltd.
CERTIFIED BY:

MIN-EN LABORATORIES LTD.
705 WEST 15TH STREET, NORTH VANCOUVER, B.C. V7M 1T2
PHONE: (604) 980-5814 OR (604) 988-4524

Certificate of Assay

TO: E & B Explorations,
1440-800 W. Pender St.,
Vancouver, B.C.

PROJECT No. Cariboo-Be
DATE: Nov. 25/81.
File No. 1-1114

SAMPLE No.		Au oz/ton	Cu %	Cu oxide as Cu %		
R-81-2A-40-	50	.002	.135	.133		
50-	60	.007	.230	.202		
60-	70	.009	.252	.238		
70-	75	no sample				
75-	80	.002	.138	.122		
R-81-2A-80-	90	.002	.044	.032		
R-81-3-10-2	0	.002	.043	.026		
20-	30	.005	.059	.036		
30-	40	.002	.025	.021		
40-	50	.001	.013	.010		
50-	60	.001	.015	.012		
60-	70	.001	.009	.008		
70-	80	.001	.008	.006		
80-	90	.001	.008	.006		
90-	100	.001	.012	.007		
100-	110	.001	.015	.008		
110-	120	.002	.043	.018		
120-	130	.002	.041	.023		
130-	140	.001	.022	.015		
140-	150	.001	.021	.018		
150-	160	.001	.017	.011		
160-	170	.001	.016	.009		
170-	180	.001	.011	.006		
180-	190	.001	.014	.006		
190-	200	.001	.014	.006		
200-	210	.001	.013	.005		
210-	220	.001	.011	.006		
220-	230	.002	.018	.004		
230-	240	.001	.010	.003		
R-81-3-240-	245	.005	.065	.011		

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Certificate of Assay

TO: E & B Explorations,
1440-800 W. Pender St.,
Vancouver, B.C.

PROJECT No. Cariboo-Be
DATE: Nov.25/81.
File No. 1-1114

SAMPLE No.	Au oz/ton	Cu %	Cu oxide as Cu %		
R-81-4-0-10	.010	.135	.110		
10-20	.009	.093	.054		
20-30	.011	.104	.028		
30-40	.030	.207	.031		
40-50	.042	.167	.022		
50-60	.029	.213	.032		
60-70	.020	.270	.040		
70-80	.024	.202	.038		
80-90	.029	.169	.076		
90-100	.009	.117	.050		
100-110	.010	.218	.050		
110-120	.010	.247	.072		
120-130	.007	.123	.045		
130-140	.010	.174	.034		
140-150	.011	.224	.068		
150-160	.041	.280	.065		
R-81-4-160-170	.019	.298	.089		
R-81-2-75-80	.004	.035	.028		
85-90	.006	.112	.103		
90-100	.003	.047	.040		
100-110	.002	.024	.022		
110-120	.002	.023	.019		
120-130	.010	.159	.131		
130-140	.010	.202	.173		
R-81-2-140-150	.009	.186	.165		
R-81-2A-90-100	.002	.052	.030		
100-110	.002	.046	.035		
110-120	.002	.050	.048		
120-130	.002	.084	.075		
R-81-2A-130-140	.002	.046	.038		

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PHONE: (604) 980-5814 OR (604) 988-4524

Certificate of Assay

TO: E & B Explorations,
1440-800 W. Pender St.,
Vancouver, B.C.

PROJECT No. Cariboo-Be
DATE: Nov.25/81.
File No. 1-1114

SAMPLE No.		Au oz/ton	Cu %	Cu oxide as Cu %		
R-81-2A-140-	150	.002	.101	.083		
150-	160	.002	.132	.114		
160-	170	.005	.150	.130		
170-	180	.002	.130	.090		
180-	190	.002	.132	.068		
190-	200	.008	.235	.114		
R-81-2A-200-	205	.003	.180	.110		
R-81-4-170-	180	.019	.243	.094		
180-	190	.010	.216	.086		
190-	200	.010	.161	.034		
200-	210	.003	.044	.016		
210-	220	.010	.114	.030		
220-	230	.010	.248	.067		
230-	240	.013	.278	.061		
240-	250	.010	.140	.033		
250-	260	.010	.138	.034		
260-	270	.012	.246	.060		
270-	280	.016	.216	.038		
280-	290	.019	.133	.042		
290-	300	.010	.130	.032		
300-	310	.010	.131	.032		
310-	320	.007	.057	.018		
320-	330	.009	.079	.018		
330-	340	.009	.084	.026		
340-	350	.008	.096	.018		
350-	360	.010	.137	.026		
360-	370	.010	.138	.030		
370-	380	.010	.102	.023		
380-	390	.010	.168	.032		
R-81-4-390-	400	.010	.132	.026		

E & B Explorations Inc.

PAGE 1 OF 8 | HOLE NO. S-81-234

PROPERTY: Cariboo-Bell | N.T.S. | LAT.: 9150 N | LOGGED BY: R. Simpson | DATE: July 26 | COLLARED: July 21/81

PROJECT NO.: | | DEP.: 7586 E | SURVEYED BY: | DATE: | COMPLETED: July 25/81

COLLAR: CHAINED ; SURVEYED ; ESTIMATED ;

CASING: LEFT IN HOLE: YES ___ NO ___

EQUIPMENT, RODS, BIT, etc IN HOLE:

	GROUND	DRILL DECK	TOP OF CASING
LENGTH			
ELEVATION	3874		
HOLE COORD			

CORE SIZE	DEPTH	
NQ	10	906

CAVING	LOST CIRCULATION	WATER POINTS
	366'	

HOLE SURVEY

DEPTH	COLLAR	450'	900'					
DIP	59°	60°	59°					
MAG. BEARING								
GRID BEARING								
TRUE BEARING								
INSTRUMENT								

OBJECTIVE / COMMENTS: Test for eastern/depth extension of zone 3

E & B EXPLORATIONS INC. | PROPERTY: Cariboo-Bell | PAGE 1 OF 8 | HOLE NO. S-81-230

PROJECT NO: N.T.S. 93 A/12 | LAT: 7872.8 | DEP: 9550.8 | LOGGED BY: R. Simpson | DATE: July 4-8/81 | SURVEYED BY: | DATE: | COLLARED: July 3/81 | COMPLETED: July 8/81

COLLAR: CHAINED ; SURVEYED ; ESTIMATED ;

	GROUND	DRILL DECK	TOP OF CASING
LENGTH	899.5	900.5	900'
ELEVATION	3783.3		
HOLE CO-ORDS.			

CASING: LEFT IN HOLE: YES NO 8'

CORE SIZE	DEPTH		HOLE CHARACTERISTICS		
				LOST	WATER
NQ	4	900	CAVING	CIRCULATION	POINTS

EQUIPMENT, RODS, BIT, etc. IN HOLE: 2' NW casing, NW shoe

HOLE SURVEY

DEPTH	COLLAR	450'	900'					
DIP	-50.5	-51.0	-49.5					
MAG. BEARING								
GRID BEARING								
TRUE BEARING	270°							
INSTRUMENT	Acid Tests							

OBJECTIVE / COMMENTS: Test for east-downdip extension of zone 2

Recovery was excellent. Drillers found rock very hard, particularly the last 40' (breccia).

E & B Explorations Inc.

HOLE NO. S-81-230

FEET	METRES	ROCK TYPE / ALTERATION	GRAPHIC LOG.	MINERALIZATION / STRUCTURE	% SULFIDE	SAMPLE INTERVAL	SAMPLE LENGTH	SAMPLE NO.	ASSAYS Au		Cu	CuO		
4	20.2	MONZONITE PORPHYRY-3 (Sanidine ppy) 5-10% large, euhedral sanidine phenos		ca, chl strs; mk, hm, MgO ff diss mt./mod str fracturing		4-10	6'	14012	.003		.162	.156		
		up to 1.5 cm diameter; 50% Pspar phenos, 5% chloritized mafic phenos in fine grained,		" /mod-fract.	tr	10-20	10'	13	.008		.249	.226		
		orange-brown matrix. Pervasive and fract controlled kspar alteration. Scattered mafic		ca, ze strs, mt, mk, hm MgO ff; diss mt		20-30		14	.004		.155	.123		
		(chl) clots $\leq$ 3 cm.		"		30-40		15	.007		.218	.182		
20.2	21.8	AUGITE PORPHYRY (SERPENTINITE) DYKE Green-black w/ augite phenos $\leq$ 2 mm. contacts sharp & irregular		ca, ze, an vlts w/ mk diss mt, ep, mk; 46'shear @30°		40-50		16	.009		.162	.147		
21.8	44	M PPY-3 w/ zones of crackle breccia Pervasive & fract. controlled Kspar-bi alt'n		ze, ca strs common, diss mt minor mk, MgO, FeO on fract.		50-60		17	.007		.109	.092		
44	70.2	MONZONITE PORPHYRY-1 similar to M PPY-3 but no sanidine phenos		" /wk-mod fract.		60-70		18	.006		.152	.134		
70.2	94	& more mafics (bi → chl) M PPY-3; sharp, irreg. contact		mt diss $\pm$ ff, MgO. lm ff, minor mt, ze-an-cu strs.		70-80		19	.003		.100	.088		
		crackle brecciated from 75', vuggy w/ vls $\pm$ ff of mt, kspar; Few well brecciated		"		80-90		14020	.004		.113	.101		
		sections w/ distinct fragments. Strong perv. & fract. kspar alteration		mt common diss $\pm$ ff < 8% ze, cu, an strs; tr cp	tr	90-100		21	.003		.106	.092		
94	129.5	INTRUSIVE BRECCIA/M PPY-1 variable brecciation from slightly crackled		"		00-110		22	.002		.069	.040		
		to well brecciated w/ veinlets & drusy cavities containing zeolites, prehnite and mt,		ca, chl vls, mt, mk diss & ff /wk-mod fract.		10-120		23	.007		.099	.072		
		Strong kspar and kspar → clay & hm altn. pervasive and fract. controlled		"		20-130		24	.009		.190	.154		

E & B Explorations Inc.

Page 3 of 8

HOLE NO. S-81-230

FEET	METRES	ROCK TYPE / ALTERATION	GRAPHIC LOG.	MINERALIZATION / STRUCTURE	% SULFIDE	SAMPLE INTERVAL	SAMPLE LENGTH	SAMPLE NO.	ASSAYS Au		Cu	CuO	
129.5	135.5	AUGITE PPY DYKE; sharp, irregular contacts 134.5 Megacryst 4x5 cm zoned sanidine (?)		mt, mk, ep ff; tr ep @135.5 /wk-mod fract.		130-140		14025	.001		.095	.053	
135.5	173	INTRUSIVE BRECCIA large SyD fragments from 142-150 in		" 144 ca vl @20°		140-150		26	.001		.074	.040	
		syenitic matrix. Fract/vein controlled kspar ep diss locally		152-155 strong mt, hm, vug w/ CuO, cuprite 153' /wk-mod fract.	tr	150-160		27	.009		.302	.192	64
				mt, mk, cr, hm ff few ze-ca strs.		160-170		28	.003		.168	.154	92
173	307	MONZONITE PPY-1 50% Pspar phenos 1-2mm; groundmass		" clots of bi & mt		170-180		29	.002		.166	.160	96
		of fine kspar, clots of sec. bi alt to chl diss ≤ 3cm. Weak pervasive kspar		ep, ca, ze strs, minor mk 184' ze vl @60°		180-190		14030	.001		.052	.048	
		alt'n but strong around fractures		ze, ca strs ± cp; cp ff vuggy	tr	190-200		31	.001		.059	.050	
				" drusy cavities w/ ze, mk		200-210		32	.002		.082	.072	
				ze, ca, ep strs; minor mt ff bi → mt & chl		210-220		33	.002		.068	.055	
		Increasing pervasive kspar alt'n		" /wk-mod fract.		220-230		34	.001		.050	.038	
				" 234-236 shear zone @20°		230-240		35	.003		.112	.087	78
				ca, ze strs /wk-mod fracts.		240-250		36	.004		.139	.123	88
		few kenoliths, SyD(?)		minor mk on fracts ze, ca strs		250-260		37	.006		.129	.102	79
				chl, mt, ep ff hm, MgO on fract.		260-270		38	.002		.100	.080	80

E & B Explorations Inc.

HOLE NO. S-81-230

FEET	METRES	ROCK TYPE / ALTERATION	GRAPHIC LOG.	MINERALIZATION / STRUCTURE	% SULFIDE	SAMPLE INTERVAL	SAMPLE LENGTH	SAMPLE NO.	ASSAYS Au		Cu	CuO	%ox	
				chl, mt, ep ff; hm, MgO on fract /wk-mod fract.		270-280	10'	14039	.002		.081	.060		
				white ze & ca ff, diss mt hm on fract.		280-290	10'	40	.002		.081	.069		
				ep, cl, hm, ps, mk ff diss mt		290-300		41	.001		.069	.059		
307	308	Breccia-mafic fragments		~~str-mod-fract~~ " few ze strs minor cp strs wk-mod fract	tr	300-310		42	.008		.108	.093	86	
308	321	M PPY-3-large Fspar phenos ≤1cm w/ 40-50% Pspar phenos ≤ 2mm		ze, mt ff, minor mk, ps, hm on fract. wk-mod fract		310-320		43	.009		.090	.087	97	
		Alteration: kspar-bi coarse 2ndary bi alt to chl & mt		ze, cl, mt ff, mk on fracts tr py wk-mod fract.	tr	320-330		44	.010		.132	.070	53	
321	330	Breccia-M PPY containing fragments of nepheline syenite		mt, bi strs, mk, cr as ff & coatings tr py/cp	tr	330-340		45	.010		.189	.167	88	
		kspar-bi altn as before		mt bi strs; mk, cr ff 340.5 vl of cse ze & hyd bi	tr	340-350		46	.008		.140	.102	73	
330	350	M PPY w/crackle brecciation, kspar-bi alt'n		mt, ac, ze ff minor cp strs & diss wk fract.	.3	350-360		47	.009		.173	.030	17	
350	428	INTRUSIVE BRCC w/superimposed crackle brecciation. Fracture controlled		mt~5%, diss cp cp w/ mt, bi, carb, analcite along crackle zones wk fract.	.6	360-370		48	.007		.180	.026	14	
		kspar-bi alt'n 350-371.5-large SyD sections, greyish		mt, bi, (cp)ff; mk, cr along fr an+ze+carb vug - ff; diss cp 384; shear w/gouge	.3	370-380		49	.006		.160	.097	61	
		med. gr. equigranular texture, mafics chl'd 371.5-more pervasive kspar alt'n		mt, bi, mk-cr ff & vug fillings he locally, mod fract.	tr	380-390		50	.009		.258	.243	94?	
		390-390.5-minor augite ppy dyke Breccia becoming more distinct		mt, bi-chl(mk) ff-large mt xtals ≤ 1cm along crackled zones & vugs Native Cu + CuO on fract. locally	tr	390-400		14051	.012		.279	.199	71?	

E & B Explorations Inc.

HOLE NO. S-81-230

FEET	METRES	ROCK TYPE / ALTERATION	GRAPHIC LOG	MINERALIZATION / STRUCTURE	% SULFIDE	SAMPLE INTERVAL	SAMPLE LENGTH	SAMPLE NO.	ASSAYS Au		Cu	CuO		
		412.5-417.5 bleached section w, he, cr ff 372-417 oxidized		mt, bi-chl, mk (cp) in vugs & as ff wk-mod fract.	tr	400-410	10'	14052	.009		.238	.140	59	
				mg, he, cr, cp, chl ff	tr	410-420		53	.009		.310	.176	57	
428	434.5	AUGITE PPY DYKE		wk fract.										
		contacts sharp @80°, chilled margins		mt, mk, cp, ff; cse bi→chl & mt	tr	420-430		54	.009		.260	.101	39	
434.5	459.5	INTRUSIVE BRCC		in vugs, ca-ze strs										
		Strong crackle BRCC w/ matrix of mt, bi, cp & mk from 434.5-438.5		mt, bi, mk, cp brcc matrix, hm vl @435.5. Ca-se strs. few minor shears @80°	tr	430-440		55	.010		.189	.102	54	
		438.5- kspar altn mainly fracture controlled 2ndary bi diss & ff, very		diss cp, mt, bi, cp ff; few ze-ca strs. v. wk fract.	.2	440-450		56	.008		.152	.029	19	
		competent rock. BRCC fragments mainly pink MPPY, subangular in a monzonitic		ca-ze vl & ff 464-466 almost massive mt w/ diss cp	.3	450-460		57	.009		.200	.036	18	
		intrusive matrix		mt & cp ff & diss w/ bi	.5	460-470		58	.009		.238	.040	17	
459.5	462.5	BASALTIC DYKE, contacts sharp 75°												
		v. dark basic dyke, fine gr. w/small dark bi phenocrysts ≤ 1mm		mt, cp ff, large diss cp blebs assoc. w/ 2ndary bi, some mk ze strs. w. fract.	.5	470-480		59	.012		.214	.048	22	
462.5	583.5	INTRUSIVE BRCC		scattered cp blebs,	tr	480-490		60	.008		.187	.080	43	
		465.5-468-strongly chloritized		m. fract.										
		468-583.5-zones of pervasive kspar altn, but mainly fracture controlled giving		more oxidized, mk, cr ff w/mt & bi, mg, bi, ca, ze in vugs m. fract	tr	490-500		61	.004		.162	.132	81	
		mottled pink & grey appearance		oxidized, mk, cr on fractures w/he	tr	500-510		62	.009		.180	.167	93	
				511-minor 5° on fracture he on fract; diss mt, bi, w. fract.	tr	510-520		63	.002		.117	.103	88	
				mg, bi, cp diss & ff	tr	520-530		64	.002		.120	.073	61	
				mg, bi, diss & ff, minor diss cp few ze strs.	<.2	530-540		14065	.002		.112	.050	45	

E & B Explorations Inc.

Page 6 of 8

HOLE NO. S-81-230

FEET/ METRES		ROCK TYPE / ALTERATION	GRAPHIC LOG	MINERALIZATION / STRUCTURE	% SULFIDE	SAMPLE INTERVAL	SAMPLE LENGTH	SAMPLE NO.	ASSAYS Au		Cu	CuO	%
		pink & gray mottled breccia		mg, bi, cp diss & ff few ze strs. mod. fract.	<.2	540-550	10'	14066	.005		.120	.048	40
				mt, chl, bi ± cp ff, minor diss cp, minor CuO on fractures wk. fract.	<.2	550-560	10	67	.004		.111	.021	19
				"	<.2	560-570	10	68	.009		.201	.03	
		lower brcc contact sharp & irregular		570 ca-cp vl @60° mt, bi ff, few ca-ze strs wk fract.	<.2	570-580		69	.009		.153	.041	
583.5	588	SYENODIORITE, med-gray, med-grained, hypidiomorphic granular. Fracture controlled kspar altn. Few breccia fragments		mt, bi ff, ca-ze strs diss fine gr cp	tr	580-590		70	.007		.109	.018	
588	593	AUGITE PPY DYKE		ca-ze strs, diss mt, wk fract.	tr	590-600		71	.005		.052	.012	
593	609	SYENODIORITE kspar alt'n confined to fractures		"		600-610		72	.003		.049		
		& vein envelopes		few ca-ze strs		610-620		73	.002		.022		
609	620.5	AUGITE PPY DYKE, chilled margins		2-3% diss mt									
620.5	642	SYENODIORITE, very competent		"		620-630		74	.002		.052		
		scattered mafic phenocrysts ≤ 1cm altered to chl. Very minor kspar alt'n in vein		" wk. fract.		630-640		75	.002		.063		
		envelopes.		mt, bi-chl ff & diss cp locally diss ca-ze strs. 645' cse crystln vl of ca	tr	640-650		76	.005		.108		
642	680.5	INTRUSIVE BRCC as before - mottled											
		contact sharp & irregular. Kspar alt'n pervasive & vein controlled. 2ndary bi w/mt		" cp diss & ff wk fract.		650-660		77	.006		.138		
		common as brcc matrix & ff		"		660-670		78	.005		.132		
				cp diss & strs		670-680		79	.012		.309		

E & B Explorations Inc.

HOLE NO. S-81-230

FEET	METRES	ROCK TYPE / ALTERATION	GRAPHIC LOG.	MINERALIZATION / STRUCTURE	% SULFIDE	SAMPLE INTERVAL	SAMPLE LENGTH	SAMPLE NO.	ASSAYS Au		Cu	CuO		
680.5	718	MONZONITE PPY w/few mafic zenoliths, pervasive		mt, bi, chl ff. Diss cp w/few large blebs locally ca-ze & chl strs. mod-wk fract	tr	680-690	10'	14080	.010		.257			
		kspar alteration Play phenos ≤ 1mm somprise 40-50% in fine matrix of pink kspar		mt, bi, chl ff & diss ze-ca strs	tr	690-700		81	.006		.149			
		5%, mafic phenos chloritized scattered phenos of nepheline ≤ 2mm		"	tr	700-710		82	.004		.139			
718	725	AUGITE PPY DYKE		"	tr	710-720		83	.003		.078			
		contacts sharp & irregular		"	tr	720-730		84	.003		.111			
725	751.5	M PPY		" wk-mod fract.	tr	730-740		85	.004		.174			
				"	tr	740-750		86	.004		.122			
751.5		BRECCIA-M matrix-pink colored		mt, chl, bi, cp diss & ff ca-ze strs. mod fract.	tr	750-760		87	.005		.146			
		w/grey SyD fragments		"	tr	760-770		88	.007		.161			
773.5	775.5	ANDESITE DYKE-dark green fine gr. partly brecciated, contacts @30°		"	tr	770-780		89	.012		.180			
775.5	851	BRECCIA-fairly well defined; matrix of M w/ perv. kspar altn.		" chl-cp strs subparallel core	.5%	780-790		90	.024		.379			
		mt ~5%		"	.5	790-800		91	.014		.280			
				"	.8	800-810		92	.024		.440			
		814 Minor ANDS dyke 15 cm		"		810-820		14093	.018		.318			

E & B Explorations Inc.

HOLE NO. S-81-230

FEET	METRES	ROCK TYPE / ALTERATION	GRAPHIC LOG	MINERALIZATION / STRUCTURE	% SULFIDE	SAMPLE INTERVAL	SAMPLE LENGTH	SAMPLE NO.	ASSAYS Au		Cu	CuO		
				diss mt, cp chl strs - cp mod fract.	.5	820-830		14094	.013		.418			
				vuggy ca vl diss mt, cp	.5	830-840		14095	.022		.459			
		844.5-848 ANDESITE DYKE altered to pale brown color, contacts		20% core loss between 848-850 diss mt, cp	.5	840-850		14096	.008		.258			
		sharp, irregular w/ chilled margins		ca-ze strs	tr	850-860		14097	.004		.100			
851	866	PLAGIOCLASE PORPHYRY DYKE		wk-mod fract.										
		contacts sharp & irregular, no sign of chilling, small inclusion of brcc near dyke wall 40-50% Pspar phenos ≤ 8mm		cp mt diss & in strs w/ chl & ca mod fract.	.5	860-870		14098	.008		.256			
		5% mafic phenos-chloritized pale brownish grey matrix		ca, chl vl-vuggy w/ cp diss mt	.5	870-880		14099	.019		.692			
866	900	BRCC as before 881-886 PLAGIOCLASE PPY DYKE		chl-ca-cp strs & ff diss mt	.2	880-890		14100	.009		.172			
		882-883.5 Fine gr. pale brown section in center of Pspar ppy w/ diss ep.		"	.8	890-900		14101	.015		.306			
		well defined breccia w/ fragments varying from ≤ 1cm-8cm subangular												
		to rounded in matrix of orange-brown med. grained M PPY												
		900' END OF HOLE Note: Drillers found last 40' very hard												

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PAGE 1 OF 7. | HOLE NO. S-81-231

PROPERTY: Cariboo-Bell | N.T.S 93 A/12 | LAT.: 8490 | DEP.: 9232 | LOGGED BY: R. Simpson | DATE: July 9-12/81 | COLLARED: July 8/81

PROJECT NO: | SURVEYED BY: | DATE: | COMPLETED: July 11/81

COLLAR: CHAINED ; SURVEYED ; ESTIMATED ;

	GROUND	DRILL DECK	TOP OF CASING
LENGTH			
ELEVATION	3873		
HOLE COORD			

CASING: LEFT IN HOLE: YES ___ NO ___

HOLE SURVEY

DEPTH	COLLAR	400'	770'					
DIP	-90°	-90°	90°					
MAG BEARING								
GRID BEARING								
TRUE BEARING								
INSTRUMENT								

CORE SIZE	DEPTH		HOLE CHARACTERISTICS		
			CAVING	LOST CIRCULATION	WATER POINTS
NQ	25	770			
				350'	

EQUIPMENT, RODS, BIT, etc IN HOLE:

OBJECTIVE / COMMENTS: Test for eastward extension of zone 2.

E & B Explorations Inc.

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HOLE NO. S-81-231

FEET	METRES	ROCK TYPE / ALTERATION	GRAPHIC LOG	MINERALIZATION / STRUCTURE	% SULFIDE	SAMPLE INTERVAL	SAMPLE LENGTH	SAMPLE NO.	ASSAYS Au		Cu	CuO		
25	51	Strongly fractured, broken-up, poor recovery ~ 35%		chl, he, cr-mk ff ca-ze strs strong fract.		25-40	15	14102	.004		.080	.069		
		INTRUSIVE BRECCIA? - indistinct fragmental appearance, strongly		"		40-50	10	14103	.003		.136	.107		
		altered to dark brown color. Oxide zone. Fracture controlled kspar alt'n		mt, hm-lm, ca, ze strs & ff mod. fract.		50-60	10	14104	.004		.094	.086		
		locally.		" mk & cr diss & ff locally		60-70	10	14105	.008		.142	.117		
51	72	BRECCIA - more competent rock Faint brecciation; dark orange-brown		71.5 large cp bleb w/mt chl-ca vl, wk. fract. lm, cp-cr-mk, cuprite, locally	2.2	70-80	10	14106	.005		.120	.078		
		color due mainly to oxidation of sulphides Minor fracture-controlled kspar alt'n		lm haloes around fract & some fragments, cp-cr-mk, mt, ca-ze, bi strs & ff; diss cp, mt, bi	.5	80-90	10	14107	.016		.399	.240		
		Crackle breccia sections common		ca, cp, mt, chl strs, vls hm ff; CuO on fract. locally diss cp, mt;	1.5	90-100	10	14108	.023		.513	.122		
72	99	BRECCIA-more apparent brecc texture w/ larger fragments predominating (>10cm)		v. fine gr diss cp, mt ca, cp, hm strs, vls wk. fract.	1	100-110	10	14109	.010		.276	.042		
		kspar alt'n fracture & vein controlled Brec fragments mainly syenodiorite									.706			
		90-99 Fairly well mineralized w/cp as diss blebs & in stringers w/ca									.482			
99	104	SYENODIORITE contact sharp @75° Med. grey, med. grained, hypidiomorphic granular									.940			
		grades back into breccia - possibly large fragment									.464			
104		BRECCIA, vein/fract. controlled kspar alteration									.241			

E & B Explorations Inc.

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HOLE NO. S-81-231

FEET/METRES		ROCK TYPE / ALTERATION	GRAPHIC LOG	MINERALIZATION / STRUCTURE	% SULFIDE	SAMPLE INTERVAL	SAMPLE LENGTH	SAMPLE NO.	ASSAYS Au		Cu	CuO		
		109-115 superimposed crackle brecciation well mineralized w/cp; vugs & strs of		ca, mt, bi, cp, diss, ff, strs	2-3	110-120	10	14110	.030		.706	.086		
		ca, bi, mt, cp (mt > 5%) 119-122 Monzonite ppy fragment		"	1-2	120-130	10	14111	.013		.482	.050		
		122-168 Good brcc w/crackled sections, well mineralized w cp to 144		cp as large blebs & masses w/ca, qz, mt; cc & bn locally (minor) wk-mod fract.	3	130-140		12	.027		.940	.128		
		kspar-hm, 2ndary bi alteration, pervasive & fract. controlled		cp > mk, mt, bi, ca ff & strs ca strs	1.5	140-150		13	.012		.464	.13		
		168-225 Oxidation along fractures mk & cr > cp, 1m		mk, cr > cp, ff & diss strong mt sections ca, chl strs/vls mod. fract.	.5	150-160		14	.004		.241	.084		
				"	.2	160-170		15	.008		.313	.213		
				" minor cuprite on fract. mod.-str fract.	tr	170-180		16	.008		.423	.256		
				mk, cr after cp-diss, ff w/ca, qz, 185.5 minor shear @25° 1m	tr	180-190		17	.005		.246	.206		
				mk, cr (cp), 1m diss & ff w/ ca mod fract.	tr	190-200		18	.009		.348	.316		
				" qz strs	tr	200-210		19	.006		.210	.150		
				cr, mk (cp), 1m, mt ff & diss minor cuprite; minor shears common, str fract.	tr	210-220		20	.013		.490	.406		
		225-230 less oxide 230-240 oxide.on fract. mk, cr, 1m		ca vls, cp > mk & cr ff & diss w/mt	.5	220-230		21	.010		.471	.265		
				cp, cr(cp) locally ca vls, 1m common	.2	230-240		22	.007		.198	.170		
				cp, cr on some fract. ca, chl strs; diss mt mod fract.	tr	240-250		23	.003		.089	.074		

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HOLE NO. S-81-231

FEET/ METRES	ROCK TYPE / ALTERATION	GRAPHIC LOG.	MINERALIZATION / STRUCTURE	% SULFIDE	SAMPLE INTERVAL	SAMPLE LENGTH	SAMPLE NO.	ASSAYS Au		Cu	CuO		
			ca, mt strs; diss mt 256 Minor shear zone	tr	250-260	10	14124	.001		.093	.089		
	90% recovery		chl, ca, qz, mt ff & strs minor mk	tr	260-270		25	.001		.071	.039		
	95% rec. (268-271 broken up)		chl, ca strs diss mt & minor cp-mk	<.2	270-280		26	.002		.091	.049		
			" wk fract.	<.2	280-290		27	.004		.117	.066		
	300-311		mt in brcc matrix 5-8% diss cp ca, chl strs wk fract.	.2	290-300		28	.004		.110	.012		
	well defined brcc-subangular fragments 1-10cm in matrix of kspar, bi, mt, chl		mt, chl ff, diss cp in matrix w/mt, ca strs wk fract.	.2	300-310		29	.003		.092			
	311-416 larger fragments in intrusive matrix; fract. controlled kspar alt'n		ca, qz ± cp strs mt, cp ff wk fract.	.2	310-320		30	.003		.097			
			ca-qz strs w/minor cp mt ff	<.2	320-330		31	.003		.077			
			ca, qz, chl strs; mt ff minor cp wk fract.	<.2	330-340		32	.003		.072			
			chl & ca strs & vls mt diss & ff, minor diss cp	<.2	340-350		33	.003		.073			
	352 lost circultaion		" tr, py, cp	tr	350-360		34	.003		.059			
			"	tr	360-370		35	.002		.064			
			"	tr	370-380		36	.003		.058			
	388 Minor augite ppy dyke -25cm @55°		ca vls, bi-chl, mt, cp ff	<.2	380-390		14137	.003		.079			

E & B Explorations Inc.

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HOLE NO. S-81-231

FEET/METRES	ROCK TYPE / ALTERATION	GRAPHIC LOG.	MINERALIZATION / STRUCTURE	% SULFIDE	SAMPLE INTERVAL	SAMPLE LENGTH	SAMPLE NO.	ASSAYS Au		Cu	CuO		
			ca strs, mt, chl-bi, cp ff wk fract.	<.2	390-400	10'	14138	.004		.109			
			"	tr	400-410		39	.006		.168			
	416-426 Faint breccia, large syenodiorite sections		"	tr	410-420		40	.006		.120			
	426-430 BRCC-intrusive matrix Fract. controlled kspar alt'n		"	tr	420-430		41	.006		.138			
	Crackle brcc sections w/ca matrix, angular fragments		431.5 cp-ca str @20° ca strs, diss mt, bi wk fract.	<.2	430-440		42	.005		.118			
	430- Poorly brecciated, large intrusive sections		"	tr	440-450		43	.004		.100			
	470 mk & cr on fractures		ca-qz strs, chl, mg ff minor cp on fract. wk. fract.	tr	450-460		44	.003		.061			
			"	tr	460-470		45	.006		.159			
	kspar alt'n moderate-fract controlled		ca strs & vls, chl strs w/mt minor cp on fractures	tr	470-480		46	.004		.107			
			"	tr	480-490		47	.001		.040			
			"	tr	490-500		48	.005		.122			
			ca, chl-bi strs & vls mt diss & ff trace cp-diss wk fract.	tr	500-510		49	.003		.079			
			"	tr	510-520		50	.003		.062			
			"	tr	520-530		51	.004		.122			

E & B Explorations Inc.

HOLE NO. S-81-231

FEET/ METRES		ROCK TYPE / ALTERATION	GRAPHIC LOG	MINERALIZATION / STRUCTURE	% SULFIDE	SAMPLE INTERVAL	SAMPLE LENGTH	SAMPLE NO.	ASSAYS Au		Cu	CuO		
				ca-ze strs 539-542 Fault zone w/dk. grey	tr	530-540	10'	14152	.002		.043			
		545-551 AUGITE PPY DYKE- dark green contacts sharp @40°		to bluish clay gouge @10-20° strong he & chl assoc, minor cp wk fract.	<.2	540-550		53	.001		.018			
				ca-ze, chl strs, mt ff 553.5-cp diss & ff 555 clay gouge @90°, 10cm wide	.3	550-560		54	.009		.170			
		567-572 kspar altered, M PPY section (fragment?) contacts sharp & irregular		ca, chl-bi, mt, cp ff & strs diss mt, cp wk fract	.3	560-570		55	.006		.118			
				"	.2	570-580		56	.005		.104			
		580-589 M PPY fragments, perv. kspar alt'n & v.fine gr. diss cp		"	.3	580-590		57	.009		.208			
		595-606.5 AUGITE PPY DYKE, sharp, irreg. contacts		"	<.2	590-600		58	.007		.125			
				ca, chl, ep strs, diss mt cp diss in non-dyke section	<.2	600-610		59	.004		.089			
615	637.5	AUGITE PPY DYKE contacts sharp @50 (upper) steep & irreg (lower) both show prominent chilled margins		"		610-620		60	.003		.077			
		Minor crackle breccia @618 w/ca matrix Near centre of dyke, groundmas increases in		chl-ep-ca strs diss mt wk fract.		620-630		61	.002		.018			
		grain size		diss cp in brecc.	<.2	630-640		62	.003		.120			
637.5		BRECCIA- as before												
		Minor oxides (lm-mk-cr) along fractures		ca, chl-bi, mt ff & strs cp diss & ff, minor mk, cr	.3	640-650		63	.008		.251	.136		
		subparallel to core (sub-vert) from 645.5 659-Crackle brecciated w/ca matrix		ca strs & vls w/cse crystalline drusy cavities, @10-35° minor mk, cr, cp	.2	650-660		64	.003		.064	.040		
				ca strs, chl, mt, ca ff fine gr. diss cp	.2	660-670		65	.005		.138			

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HOLE NO. S-81-231

FEET/ METRES		ROCK TYPE / ALTERATION	GRAPHIC LOG.	MINERALIZATION / STRUCTURE	% SULFIDE	SAMPLE INTERVAL	SAMPLE LENGTH	SAMPLE NO.	ASSAYS Au		Cu	CuO		
				ca, chl strs, mt diss, ff minor diss cp wk. fract.	tr	670-680	10'	14166	.003		.101			
				"	tr	680-690		67	.006		.143	.043		
		687-715-1m, mk-cr, on fractures (oxide)		minor mk-cr; tr py										
		fract. density increases		" mod-str fract.	tr	690-700		68	.005		.098	.050		
				700 shear w/gouge @10° chl strs & vls w/mt 1m, mk, cr on fractures str fract.	tr	700-710		69	.004		.099	.077		
				ca, chl-bi, mt ff, strs 1m, mk-cr on fract. mod-str fract.	tr	710-720		70	.007		.137	.029		
				ca strs; bi, mt, cp ff mod fract.	<.2	720-730		71	.006		.102	.034		
				ca, chl, mt ff, mt diss minor 1m, mk & cr on fract. py, cp ff & diss, mod fract	.6	730-740		72	.007		.170	.013		
				ca strs; chl-bi, mt, py, cp diss ff		740-750		73	.004		.117	.066		
		730-770 1m, mk-cr on some fractures		"		750-760		74	.003		.071	.052		
				1m, mk & cr on fract.										
		770 - END OF HOLE		"		760-770		14175	.005		.102	.096		

E & B EXPLORATIONS INC.	PROPERTY: Cariboo-Bell	PAGE 1 OF 7.	HOLE NO. S-81-232
PROJECT NO: N.T.S.	LAT: 8907.5 DEP: 9422	LOGGED BY: R. Simpson DATE: July 13-17 SURVEYED BY: DATE:	COLLARED: July 12/81 COMPLETED: July 17/81

COLLAR: CHAINED ; SURVEYED ; ESTIMATED ;

	GROUND	DRILL DECK	TOP OF CASING
LENGTH			
ELEVATION	3884		
HOLE CO-ORDS.			

CASING:
LEFT IN HOLE: YES ___
NO ___

CORE SIZE	DEPTH		HOLE CHARACTERISTICS		
				LOST	WATER
NQ	30	834	CAVING	CIRCULATION	POINTS
				810'	

EQUIPMENT, RODS, BIT, etc. IN HOLE:

HOLE SURVEY

DEPTH	COLLAR	400'	800'					
DIP	-62°	-62.5	-61					
MAG. BEARING								
GRID BEARING								
TRUE BEARING	270°							
INSTRUMENT								

OBJECTIVE / COMMENTS: Test for east depth extension of zone 2

E & B Explorations Inc.

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HOLE NO. S-81-232

FEET	METRES	ROCK TYPE / ALTERATION	GRAPHIC LOG.	MINERALIZATION / STRUCTURE	% SULFIDE	SAMPLE INTERVAL	SAMPLE LENGTH	SAMPLE NO.	ASSAYS Au		Cu	CuO		
30	134.5	INTRUSIVE BRECCIA dark grey intrusive matrix-med grained		ca, ze strs; mt diss 2-3% lm on fracts. w/minor mk, cr, strong fracturing		30- 40	10'	14176	.005		.124	.090		
		w/subangular to subrounded, indistinct frag'n. of monzonite porphyry. Fracture controlled		ca, ze strs lm, mk, cr on fract. minor cp str. fract.	tr	40- 50		77	.004		.098	.042		
		kspar alt'n. all mafics altered to chlorite		"	tr	50- 60		78	.005		.112	.063		
				"	tr	60- 70		79	.005		.128	.082		
		Intrusive brcc matrix becoming paler grey in color-monzonite comp.		ca-an-ze strs ± cp, py minor mk, lm on fract. mod-str. fract.	tr	70- 80		80	.005		.113	.097		
		pink kspar alt'n. surrounding fractures ca-an-ze stringers		ca, an, mt, py, cp ff minor lm, mk on fract.	tr	80- 90		81	.003		.067	.039		
		At least two stages of		ca, an, mt, chl ff cse ca vls, drusy cavities mod-str. fract.		90-100		82	.006		.077	.076		
		coarse, vuggy ca strs & vls cut earlier ca-ze strs		" minor mk after cp	tr	100-110		83	.004		.099	.095		
				ca, mt, chl ff w/kspar alt'n envelopes; diss cp from 118 minor CuO mod fract.	.2	110-120		84	.006		.140	.042		
		strong vein/fract.-controlled pink		ca, mt ± cp ff	.2	120-130		85	.007		.170	.076		
		kspar alteration		ca-ze stringers accessory mt, wk-mod fract.		130-140		86	.005		.110			
134.5	203	MONZONITE PORPHYRY-contact sharp, irregular slight chilled margin 30% Pspar phenos ≤ 3mm		"		140-150		87	.003		.047			
		10% chloritized mafic phenos fine grained, red brown matrix		few Mz xenoliths		150-160		88	.002		.035			

E & B Explorations Inc.

HOLE NO. S-81-232

FEET/METRES		ROCK TYPE / ALTERATION	GRAPHIC LOG.	MINERALIZATION / STRUCTURE	% SULFIDE	SAMPLE INTERVAL	SAMPLE LENGTH	SAMPLE NO.	ASSAYS Au	ASSAYS Cu
		POST-MINERAL M PPY^2 DYKE (cont) lower contact irreg. subparallel for 1.5'		ca-ze strs few Mz xenoliths wk-mod fract.		160-170	10'	14189	.001	.027
				" trace diss cp	tr	170-180		90	.002	.043
				"		180-190		91	.002	.037
				"		190-200		92	.006	.125
203	270	INTRUSIVE BRCC-as before fragments generally small, 1-4 cm.		ca-ze, an strs, vls mt ff, minor diss cp	tr	200-210		93	.004	.105
		in dark grey intrusive matrix (syenite) Fracture-controlled kspar alteration		" trace diss py, cp	tr	210-220		94	.004	.108
				ca, qz(?), ze, an strs & vls ± cp, mt ff, diss cp, mod fract.	.2	220-230		95	.003	.083
		Fragments mainly monzonite		ca-ze vls, strs, mt ff minor py, cp ff & diss lm on fract.	tr	230-240		96	.007	.163
				"	tr	240-250		97	.003	.075
270	291	SYENODIORITE; sharp, irregular contact med. grey, hypidiomorphic granular,		" 258 minor shear @50°	tr	250-260		98	.003	.081
		medium grained, minor fracture controlled kspar alteration. Mafics chloritized		"	tr	260-270		99	.003	.077
		Pervasive 2ndary bi alteration common		ca, mt, chl, ff qz(?) strs w/cp, ff & diss cp, py wk fract.	.5	270-280		14200	.008	.151
291	328.5	INTRUSIVE BRECCIA as before contact sharp, irregular, vein/fract.		"	.5	280-290		01	.010	.140
		controlled kspar alt'n		ca, qz strs mt, cp ff & diss mod fract.	.5	290-300		02	.003	.064

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HOLE NO. S-81-232

FEET	METRES	ROCK TYPE / ALTERATION	GRAPHIC LOG	MINERALIZATION / STRUCTURE	% SULFIDE	SAMPLE INTERVAL	SAMPLE LENGTH	SAMPLE NO.	ASSAYS Au		ASSAYS Cu			
				ca, qz strs. mt, cp ff mod fract.	.2	300-310		14203	.006		.147			
				"	.2	310-320		04	.007		.152			
328.5	342	MONZONITE PPY-same as previous Pspar, chloritized mafic phenos in red brown		"	.2	320-330		05	.006		.116			
		fine grained matrix. Contact brecciated over 1 foot.		ca-ze strs; diss mt		330-340		06	.002		.020			
		Lower contact sharp, irregular, narrow dark, fine grained chill rind		"	tr	340-350		07	.002		.052			
342	364	BRECCIA-as before, dark grey syenitic matrix fract-controlled kspar alt'n.		" qz-cp strs	tr	350-360		08	.003		.073			
		347.5-354.5-AUGITE PPY DYKE, sharp irregular, chilled contacts		ca-ze, chl, qz-cp, mt ff strs qz-cp/py strs; mod fract.	tr	360-370		09	.004		.126			
364	371	MONZONITE PPY-sharp, brecciated contact; red brown to dark grey groundmass		" clots of chloritized bi	.2	370-380		14210	.003		.093			
		375 minor augite ppy dyke, upper contact sheared @50°, lower contact irregular		ca, chl, ze strs & vls diss mt; ca, qz, chl cp strs py, cp on fract.	.5	380-390		11	.002		.078			
371	391	BRECCIA-as before, Monz ppy fragments		ca, mt, chl, strs, ff cp on some fract, diss	.2	390-400		12	.003		.073			
391	416.5	MONZONITE PPY - breccia		"	tr	400-410		13	.005		.123			
		contact, gradational												
416.5	453	BRECCIA		ca-ze strs	tr	410-420		14	.004		.082			
		Pervasive kspar/clay-hm alteration of intrusive, syenite matrix; SyD & M		minor cp diss & ff w/mt wk fract.										
		fragments commonly less altered, subangular to subrounded		"	.2	420-430		15	.003		.119			
				ca, chl strs & vls ± cp mt, cp on fract wk fract.	.5	430-440		16	.004		.108			

E & B Explorations Inc.

Page 5 of 7 — HOLE NO. S-81-232

FEET	METRES	ROCK TYPE / ALTERATION	GRAPHIC LOG	MINERALIZATION / STRUCTURE	% SULFIDE	SAMPLE INTERVAL	SAMPLE LENGTH	SAMPLE NO.	ASSAYS Au		Cu			
453	464.5	AUGITE PPY DYKE-dark green		ca, ze, mt ff minor cp diss & ff wk fract.	.2	440-450		14217	.005		.165			
		contacts sharp @50°		ca-ze strs mod fract.	tr	450-460		18	.008		.037			
464.5	560	MONZONITE PPY Pale grey to pale reddish brown groundmass		ca, ze, chl strs; cp on fract. 466 CuO on fract. wk fract.	.2	460-470		19	.002		.101			
		Faint breccia sections 475-477, 480-481		ca, ze strs; mt diss cp on fractures; wk fract.	.2	470-480		20	.003		.064			
		kspar alt'n mainly fracture controlled Mafic clots of chlorite ≤ 3cm diameter		"	.2	480-490		21	.002		.092			
		common 503-517 vein & pervasive kspar		"	.2	490-500		22	.003		.046			
		alteration; groundmass dark orange-brown, slightly brecciated locally		"	tr	500-510		23	.002		.096			
				"	tr	510-520		24	.002		.086			
		weak fract-controlled kspar alt'n. Very hard, competent rock		"	tr	520-530		25	.002		.049			
				"	tr	530-540		26	.003		.082			
		549-550.5- AUGITE PPY DYKE @70°		ca, ze, chl strs ± cp mt, cp ff w/tr bn wk fract.	.4	540-550		27	.004		.105			
560	573.5	INTRUSIVE BRECCIA subrounded monzonite ppy and syenodiorite		ca, ze, chl strs mt, cp ff	.4	550-560		28	.003		.094			
		fragments in pervasively K feldspathized syenitic matrix w/diss secondary bi		ca, ze, mt, cp & trs/ff wk. fract.	1	560-570		29	.008		.111			
573.5	584.5	AUGITE PPY DYKE @50°				570-580		14230	.003		.062			

E & B Explorations Inc.

HOLE NO. S-81-232

FEET/ METRES		ROCK TYPE / ALTERATION	GRAPHIC LOG.	MINERALIZATION / STRUCTURE	% SULFIDE	SAMPLE INTERVAL	SAMPLE LENGTH	SAMPLE NO.	ASSAYS Au	Ag	Cu	CuO	Mo
573.5		BRECCIA (as previously described) vugs, stringers, drusy cavities make up		mt, cp diss, ff & blebs & crystals in cavities; wk fracturing	1	580-590		14231	.008		.106		
		superimposed crackle breccia, matrix perv. kspar; diss bi alteration often as		ca, mt, cp, bi in cavities (+ kspar, ze) mt, cp ff	1	590-600		32	.008		.127		
		coarse crystals in vugs lined w/ca & kspar		"	1	600-610		33	.004		.121		
				cavities lined w/ca, ze, kspar; bi, ep, mt, cp crystals, mt, cp ff & diss; wk-mod fract.	1.5	610-620		34	.007		.192		
				ca, mt, bi, cp in cavities mt, cp diss & ff	3	620-630		35	.018		.315		
		kspar alt'n predominantly fracture/vein controlled. 2ndary bi diss in cavities		"	1	630-640		36	.007		.167		
				"	3	640-650		37	.011		.192		
		Quartz present billing vugs/cavities and as vls. w/cp; Light green to blue		" crystalline qz filling cavities w/cp	3	650-660		38	.009	.12	.156		.003
		clay alteration. Qz is greyish color & may contain fine grained mo		less cavities; strs & ff of ca, qz, mt, cp, bi, chl/wk fract.	4	660-670		39	.011	.07	.213		.002
				qz, kspar vls, strs 679 qz vlt, 3 cm @40° w/diss cp	3	670-680		14240	.020	.03	.263		.002
				few qz vls; ca, kspar strs cp, mt diss, ff; bi-chl in fract.	4	680-690		41	.018	.11	.262		.002
		clots of cse gr. fresh 2ndary bi w/		" large cp blebs 692 qz vlt 3cm @40° w/cp	4	690-700		42	.021	.06	.348		.001
		cp, mt & analcite (?) 697.5-701-large M PPY fragment, poorly mineralized		kspar vlts @20-30°; bi, chl, qz, mt, cp ff & vug fillings; wk fract.	2	700-710		43	.016		.251		
		703 Minor dyklet of M PPY 2(?); 1cm @40°		kspar, bi, chl strs & vls mt.strs 2-4mm; cp diss & ff	2	710-720		44	.010		.180		

E & B Explorations Inc.

Page 7 of 7 — HOLE NO. S-81-232

FEET/ METRES		ROCK TYPE / ALTERATION	GRAPHIC LOG.	MINERALIZATION / STRUCTURE	% SULFIDE	SAMPLE INTERVAL	SAMPLE LENGTH	SAMPLE NO.	ASSAYS Au		Cu			
				mt strs; ca, kspar vlts, mt, cp bi diss & ff /wk-mod fract.	3	720-730		14245	.018		.262			
		736: 10 cm AUGITE PPY DYKE		drusy cavities w/ca, ze, bi-chl, cp diss cp, mt, cp ff /mod-str fract.	1.5	730-740		46	.010		.220			
		SyD fragments common, normally 1-2 feet in diameter		" /mod-str fract	1	740-750		47	.010		.180			
				ca-ze strs & in cavities w/bi, chl cp, mt diss & ff /wk fract.	1	750-760		48	.010		.126			
767.5	774	MONZONITE PPY-3 contacts sharp @70°; 10% large sanidine		"	.5	760-770		49	.024		.122			
		phenos .5-1.0 cm; 40% smaller Pspar phenos; 10% chloritized mafic phenos		ca-ze strs; diss mt cp ff /wk fract.	.5	770-780		14250	.009		.069			
		fine gr. orange matrix. Not mineralized		"	.5	780-790		51	.017		.140			
774	785.5	BRECCIA matrix coarser grained monzonite ppy		ca, chl strs; bi, chl, mt, cp diss & ff	.5	790-800		52	.008		.119			
785.5	788.5	MONZONITE PPY-3 contact sharp		ca, mt, bi-chl strs	.3	800-810		53	.011		.129			
788.5	789.5	BRECCIA (xenolith?)		cp on fract.										
789.5	792.5	M PPY-3 four sanidine phenos		ca strs & amygdule fillings w/zeolites (white)	-	810-820		54	.002		.008			
792.5	809.5	BRECCIA contact sharp @70°		810.5 shear zone @70°										
		syenitic matrix as before		ca-ze strs; diss mt	-	820-834		55	.002		.012			
809.5	822.5	BASALT commonly amygdaloidal												
		Dark green to brown w/ ca, ze filling amygdules. Contact sharp @70°												
		Basalt altered near contact. No noticeable change in intrusive breccia												
822.5	827	M PPY-3 contacts sharp @70°												
827	834	Augite PPY DYKE to end of hole												

E & B Explorations Inc.

Cariboo-Bell

PAGE 1 OF 5. HOLE NO. S-81-233

PROPERTY:	N.T.S.	LAT.: 9300	LOGGED BY: Ron Simpson DATE: July 19-21	COLLARED: July 18/81
PROJECT NO:		DEP.: 8340	SURVEYED BY: DATE:	COMPLETED: July 21/81

COLLAR: CHAINED ; SURVEYED ; ESTIMATED ;

	GROUND	DRILL DECK	TOP OF CASING
LENGTH			
ELEVATION	3870 approx.		
HOLE COORD			

CASING: LEFT IN HOLE: YES___ NO___

HOLE SURVEY

DEPTH	COLLAR	480'					
DIP	-50°	-48°					
MAG BEARING							
GRID BEARING							
TRUE BEARING							
INSTRUMENT	Acid Test						

CORE SIZE	DEPTH		HOLE CHARACTERISTICS		
			CAVING	LOST CIRCULATION	WATER POINTS
NQ	10	483			
				342'	

EQUIPMENT, RODS, BIT, etc. IN HOLE:

OBJECTIVE / COMMENTS: Previously untested area between zones 2 and 3.

Major fault zone encountered from 201 - 218.5. Associated faults and shattering from 50' - 250' resulting in poor recovery.

E & B Explorations Inc.

Page 2 of 5

HOLE NO. S-81-233

FEET	METRES	ROCK TYPE / ALTERATION	GRAPHIC LOG.	MINERALIZATION / STRUCTURE	% SULFIDE	SAMPLE INTERVAL	SAMPLE LENGTH	SAMPLE NO.	ASSAYS Au		ASSAYS Cu			
10	25	INTRUSIVE BRECCIA Subangular to rounded monzonite ppy fragments		ca-ze ff; diss mt trace py-cp w/minor lm on fract. mod fract.	tr	10-20	10'	14256	.002		.014			
		1 cm to 40 cm diameter w/few syenodiorite fragments in a med to coarse grained syenite		ca-ze ff; kspar str. minor cp diss, ff; mt diss mod fract.	tr	20-30	10'	14257	.002		.079			
		matrix. Monz. frags. show pervasive kspar alt'n. 20- larger fragments characteristic M PPY				30-40		14258	.002		.068			
		32-? Basalt dyke, amygdaloidal (ca)		NO RECOVERY - MISLATCH		40-50		14259	.002		.029			
		33-45 NO RECOVERY (TNL)												
25	54	MONZONITE PORPHYRY-1 Gradational contact		ca, ep, ze strs; few kspar strs mt diss, ff/strong-mod fract.		50-60		14260	.002		.026			
54	56	SYENODIORITE contact sharp @70° Dk grey, med-grained		kspar vls/strs, mt, lm ff strong fract.		60-70		14261	.001		.020			
56 59.5	59.5 61.5	AUGITE PPY DYKE, dark green MONZ PPY-1		ca strs, mt diss & ff strong fract.		70-80		14262	.001		.010			
61.5	68	SYENODIORITE; M PPY 3 dyke; 2 cm @30°		"		80-90		263	.001		.015			
68	73	MONZONITE PPY-3 DYKE												
73	76	BASALTIC DYKE - dark brown-black				90-100		264	.001		.015			
76	136	SYENODIORITE-grey, med. grained		95-96 fault healed by ca-60°										
		(89.5 - 91 Basalt Dyke)		ca, ep strs; diss mt /mod fract.		100-110		265	.001		.015			
				"		110-120		266	.001		.014			
				"		120-130		267	.001		.016			
136	201	MONZONITE PPY-3 orange groundmass, mafic phenos alt to chl.		few ca strs strongly fractured-shattered		130-140		268	.001		.008			
				"		140-150		269	.001		.006			

E & B Explorations Inc.

HOLE NO. S-81-233

FEET/METRES		ROCK TYPE / ALTERATION	GRAPHIC LOG.	MINERALIZATION / STRUCTURE	% SULFIDE	SAMPLE INTERVAL	SAMPLE LENGTH	SAMPLE NO.	ASSAYS Au		Cu	Rec		
		Very blochy, faults & fract. - poor recovery		few ca strs; diss mt strong fracturing		150-160		14270	.001		.004	85		
				few ca strs, diss mt blochy core, str-intense fract.		160-170		271	.001		.006	85%		
				"		170-180		272	.001		.006	65%		
				"		180-190		273	.001		.005	40		
				"		190-200		274	.001		.006	65		
201	218.5	Fragments of SyD in faulted zone		201-218.5-FAULT ZONE Gouge & breccia		200-210		275	.001		.013	65		
218.5		SYENODIORITE Alt'n chl w/minor ep; few kspar veinlets		" ca-ze strs		210-220		276	.001		.014	65		
				blochy w/minor gouge sections		220-230		277	.001		.014	90		
		236 Fragment/dyke of M PPY-3 adjacent to gouge zone		" few kspar, ca strs.		230-240		278	.001		.013	40		
				few kspar, ca strs; hm on fract. blochy, minor gouge sections		240-250		279	.001		.033	65		
				dark red hm-kspar vls, ca-ze strs, hm on fract. tr mk, mod fract.		250-260		14280	.002		.034	98		
				" mod-strong fract.		260-270		281	.001		.028	95		
				"		270-280		282	.001		.024	98		
						280-290		283	.003		.039	98		

E & B Explorations Inc.

Page 4 of 5 — HOLE NO. S-81-233

FEET	METRES	ROCK TYPE / ALTERATION	GRAPHIC LOG	MINERALIZATION / STRUCTURE	% SULFIDE	SAMPLE INTERVAL	SAMPLE LENGTH	SAMPLE NO.	ASSAYS Au		Cu	CuO	Rec
		SyD - chl-ep alt'n		ca-ze strs, mt diss, ff; hm on fract w/ minor mk, mod-strong fract.		290-300		14284			.053		95
				"		300-310		285			.034		98
		313-314 Fault brecc healed w/ca 314-314.5-Basalt dyke-dark brown		" 310.5-Fault gouge @70°		310-320		286			.029		97
		317-319.5-K-feldspathized brcc zone w/ca matrix		ca, kspar strs, minor mk/cr strong shearing/fract.		320-330		not in bag 14287		MISSING			85
		319.5-320 BASIC DYKE-dark green-black contacts sharp, irreg; fine grained		" 335 fault w/ gouge		330-340		288	.001		.024		55
317	327.5	Altered M PPY DYKE (?) intense kspar hm alt'n giving dark red color and obscuring texture		ca, ep, hm, ze, kspar ff, strs minor shear common; 45°, 70°		340-350		289	.002		.036		95
327.5	483	SYENODIORITE		"		350-360		14290	.003		.044		95
	(EOH)	minor kspar alt'n-fract. cont. 342 Minor M PPY DYKE-poor rec.		361.5 tr mk in ca-ze vl @60° q on fract; ca-ze strs, hm on fr str. fract.		360-370		291	.004		.047		80
		366 Darker color, more intense chl alt'n		ca-ze, ep strs, vls; mt ff oxidized to hm/str. fract.		370-380		292	.002		.024		97
		387-399 more competent section 399-399.5-Dk brown, fine gr. dyke-contacts sheared @40°		" 381-384 strong shearing		380-390		293	.002		.033		90
		404-404.5-Dyke as previously described		qz-mt+ py strs; ca ff & strs 399-400 shear zone	tr	390-400		294	.002		.026		96
		406.5-471 More competent 413 Minor brecciated M PPY dyke		ca vls, strs, mt + ep ff /strong shearing & fract.	tr	400-410		295	.002		.024		99
				ca, ze, mt, cp ff-most fract. @60° /wk fract.	tr	410-420		296	.001		.023		100
				"		420-430		297	.001		.022		100

E & B Explorations Inc.

Page 5 of 5

HOLE NO. S-81-233

FEET/ METRES		ROCK TYPE / ALTERATION	GRAPHIC LOG.	MINERALIZATION / STRUCTURE	% SULFIDE	SAMPLE INTERVAL	SAMPLE LENGTH	SAMPLE NO.	ASSAYS Au		Cu	CuO		
		Syenodiorite cont.-bleached alt'n envelopes along healed fract.		ca, ze, mt ff; lm on some fract. /mod fract. - 60°		430-440		14298	.002		.035			
				ca, ze, ff /wk fract.		440-450		14299	.001		.026			
				"		450-460		14300	.003		.040			
				" mt, cp ff @464' /mod fract.	tr	460-470		14401	.001		.029			
				471-472 shear zone @30°		470-483		14402	.001		.022			
		483' END OF HOLE		481.5 shear w/ gouge 7 cm @90°										

MIN-EN LABORATORIES LTD.
705 WEST 15TH STREET, NORTH VANCOUVER, B.C. V7M 1T2
PHONE: (604) 980-5814 OR (604) 988-4524

Certificate of Assay

TO: E & B Explorations,
1440-800 W. Pender St.,
Vancouver, B.C.

PROJECT No. Cariboo-Be
DATE: Nov. 25/81.
File No. 1-1114

SAMPLE No.		Au oz/ton	Cu %	Cu oxide as Cu %		
R-81-4-400-	405	.009	.103	.024		

MINE-EN Laboratories Ltd.

CERTIFIED BY: _____

MIN-EN LABORATORIES LTD.
705 WEST 15TH STREET, NORTH VANCOUVER, B.C. V7M 1T2
PHONE: (604) 980-5814 OR (604) 988-4524

Certificate of Assay

TO: E & B Explorations,
1440-800 W. Pender St.,
Vancouver, B.C.

PROJECT No. Cariboo-Be
DATE: Nov. 25/81.
File No. 1-1116

SAMPLE No.		Au oz/ton	Cu %	Cu oxide as Cu %		
R-81-3-340-	350	.010	.087	.013		
350-	360	.012	.118	.015		
360-	370	.011	.123	.015		
370-	380	.009	.064	.009		
380-	390	.003	.042	.008		
390-	400	.003	.037	.007		
400-	410	.008	.052	.011		
410-	420	.010	.106	.012		
420-	430	.003	.064	.010		
430-	440	.009	.139	.009		
440-	450	.010	.076	.008		
450-	460	.004	.080	.009		
460-	470	.006	.085	.014		
470-	480	.004	.110	.018		
480-	490	.006	.086	.016		
490-	500	.004	.034	.010		
500-	510	.005	.061	.022		
510-	520	no sample				
520-	530	.009	.076	.014		
530-	540	.004	.040	.011		
540-	550	.004	.037	.015		
550-	560	.004	.044	.012		
560-	570	.003	.034	.013		
570-	580	.003	.022	.006		
580-	590	.002	.035	.014		
R-81-3-590-	600	.010	.105	.031		
R-81-3-325-	330	.010	.118	.022	(Duplicate)	

MINE-EN Laboratories Ltd.

CERTIFIED BY: _____

MIN-EN LABORATORIES LTD.
705 WEST 15TH STREET, NORTH VANCOUVER, B.C. V7M 1T2
PHONE: (604) 980-5814 OR (604) 988-4524

Certificate of Assay

TO: E & B Explorations,
1440-800 W. Pender St.,
Vancouver, B.C.

PROJECT No. Cariboo-Be
DATE: Nov.25/81.
File No. 1-1116

SAMPLE No.	Au oz/ton	Cu %	Cu oxide as Cu %
R-81-4-405-410	.010	.134	.028
410-420	.011	.167	.042
420-430	.012	.173	.042
430-440	.010	.161	.028
440-450	.012	.244	.055
450-460	.024	.265	.069
460-470	.015	.256	.053
470-480	.014	.345	.098
480-490	.016	.218	.038
490-500	.026	.430	.132
500-510	.020	.245	.077
510-520	.010	.249	.071
520-530	.011	.191	.043
530-540	.020	.338	.106
540-550	.022	.392	.123
550-560	.029	.405	.159
560-570	.029	.420	.105
570-580	.020	.285	.072
580-590	.031	.326	.101
R-81-4-590-600	.011	.101	.038
R-81-3-245-250	.003	.028	.008
250-260	.002	.035	.009
260-270	.007	.021	.012
270-280	.011	.020	.010
280-290	.010	.045	.011
290-300	.008	.034	.009
300-310	.008	.051	.011
310-320	.013	.085	.015
320-330	.010	.074	.012
R-81-3-330-340	.009	.073	.012

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MIN-EN LABORATORIES LTD.
705 WEST 15TH STREET, NORTH VANCOUVER, B.C. V7M 1T2
PHONE: (604) 980-5814 OR (604) 988-4524

Certificate of Assay

TO: E & B Explorations,
1440-800 W. Pender St.,
Vancouver, B.C.

PROJECT No. Cariboo-Bell
DATE: Dec. 1/81
File No. 1-1118

SAMPLE No.		Au oz/ton	Cu %	Cu Oxide as Cu %		
R-81-1-250-255		.002	.166	.058		
310-320		.005	.532	.092		
340-345		.003	.244	.094		
R-81-1-350-355		.006	.313	.033		
R-81-3-510-520		.005	.063	.031		
R-81-5- 0- 10		.002	.100	.028		
10- 20		.002	.079	.030		
20- 30		.006	.105	.013		
30- 40		.008	.142	.013		
40- 50		.009	.117	.011		
50- 60		.002	.068	.008		
60-70		.009	.180	.014		
70- 80		.008	.142	.012		
80- 90		.003	.112	.010		
90-100		.011	.279	.019		
100-~~110~~ 115		.009	.191	.013		
110-120		.009	.175	.012	(115-120 missing)	
120-130		.009	.156	.015		
130-140		.009	.157	.024		
140-150		.019	.367	.026		
150-160		.020	.391	.055		
160-170		.019	.361	.028		
170-180		.020	.418	.026		
180-190		.011	.209	.018		
~~190~~ 195-200		.011	.238	.015	(190-195 missing)	
200-210		.009	.170	.024		
210-220		.009	.179	.026		
220-230		.015	.413	.028		
230-240		.020	.380	.040		
R-81-5-240-250		.014	.328	.028		

MINE-EN Laboratories Ltd.

CERTIFIED BY: [signature]

MIN-EN LABORATORIES LTD.
705 WEST 15TH STREET, NORTH VANCOUVER, B.C. V7M 1T2
PHONE: (604) 980-5814 OR (604) 988-4524

Certificate of Assay

TO: E & B Explorations,
1440-800 W. Pender St.,
Vancouver, B.C.

PROJECT No. Cariboo-Bel
DATE: Dec. 2/81
File No. 1-1118

SAMPLE No.	Au oz/ton	Cu %	Cu oxide as Cu %		
R81-5-250-260	.011	.265	.023		
260-270	.010	.431	.020		
270-280	.008	.141	.013		
280-290	.002	.042	.008		
290-300	.001	.027	.006		
300-310	.001	.034	.008		
310-320	.002	.053	.008		
320-330	.008	.163	.012		
330-340	.014	.398	.021		
340-350	.012	.290	.034		
350-360	.010	.254	.013		
360-370	.009	.233	.014		
370-380	.008	.235	.011		
380-390	.012	.314	.024		
390-400	.020	.418	.028		
400-410	.010	.268	.017		
410-420	.008	.224	.026		
420-430	.019	.354	.032		
430-440	.020	.504	.027		
440-450	.008	.266	.016		
450-460	.003	.208	.014		
460-470	.004	.218	.016		
470-480	.002	.195	.020		
480-490	.001	.051	.009		
490-500	.006	.223	.018		
500-510	.002	.162	.015		
510-520	.002	.146	.016		
520-530	.002	.122	.011		
530-540	.003	.197	.016		
R81-5-540-550	.001	.089	.015		

MINE-EN Laboratories Ltd.

CERTIFIED BY: [signature]

MIN-EN LABORATORIES LTD.
705 WEST 15TH STREET, NORTH VANCOUVER, B.C. V7M 1T2
PHONE: (604) 980-5814 OR (604) 988-4524

Certificate of Assay

TO: E & B Explorations,
1440-800 W. Pender St.,
Vancouver, B.C.

PROJECT No. Cariboo-Bel
DATE: Dec. 2/81.
File No. 1-1118

SAMPLE No.		Au oz/ton	Cu %	Cu oxide as Cu %		
R81-5-550-560		.002	.119	.016		
560-570		.004	.223	.020		
570-580		.004	.225	.024		
580-590		.003	.120	.016		
590-600		.003	.123	.014		
600-610		.012	.313	.032		
610-620		.022	.545	.056		
620-630		.002	.080	.012		
630-640		.001	.044	.007		
640-650		.001	.035	.007		
650-660		.001	.021	.007		
660-670		.001	.028	.006		
670-680		.001	.032	.006		
680-690		.001	.029	.007		
R81-5-690-700		.001	.043	.008		
R81-5-185-190(Dup.)		.007	.164	.030		

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705 WEST 15TH STREET, NORTH VANCOUVER, B.C. V7M 1T2
PHONE: (604) 980-5814 OR (604) 988-4524

Certificate of Assay

TO: E & B Explorations,
1440-800 W. Pender St.,
Vancouver, B.C.

PROJECT No. Cariboo-Be
DATE: Dec.3/81.
File No. 1-1123

SAMPLE No.		Au oz/ton	Cu%	Cu oxide as Cu %		
R81-1-65-70		.006	.230	.227		
70-75		.003	.197	.192		
90-100		.002	.128	.123		
100-110		.001	.039	.038		
110-120		.002	.026	.026		
120-130		.001	.056	.044		
130-140		.003	.255	.202		
140-150		.004	.347	.213		
150-160		.002	.260	.129		
160-170		.004	.351	.151		
170-180		.004	.368	.205		
180-190		.004	.266	.043		
190-200		.002	.205	.038		
200-210		.002	.192	.056		
210-220		.003	.320	.263		
220-230		.002	.170	.086		
230-240		.002	.220	.095		
240-250		.001	.108	.059		
255-260		.001	.100	.031	(250-255 missing)	
335-340		.003	.319	.033		
R81-1-345-350		.004	.358	.032		
R81-6-15-20		.001	.013	.008		
20-30		.001	.006	.005		
30-40		.001	.006	.005		
40-50		.002	.010	.006		
50-60		.001	.029	.008		
60-70		.009	.448	.030		
70-80		.003	.265	.028		
80-90		.003	.236	.017		
R81-6-90-100		.009	.256	.020		

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705 WEST 15TH STREET, NORTH VANCOUVER, B.C. V7M 1T2
PHONE: (604) 980-5814 OR (604) 988-4524

Certificate of Assay

TO: E & B Explorations,
1440-800 W. Pender St.,
Vancouver, B.C.

PROJECT No. Cariboo-Be
DATE: Dec. 3/81.
File No. 1-1123

SAMPLE No.		Au oz/ton	Cu %	Cu oxide as Cu %		
R81-6-100-110		.012	.568	.052		
110-120		.008	.492	.030		
120-130		.009	.380	.023		
130-140		.008	.280	.016		
140-150		.008	.302	.022		
150-160		.012	.266	.014		
160-170		.007	.202	.021		
170-180		.004	.245	.025		
180-190		.005	.324	.023		
190-200		.005	.309	.018		
200-210		.004	.186	.016		
210-220		.004	.232	.041		
220-230		.005	.189	.022		
230-240		.005	.237	.038		
240-250		.003	.129	.019		
250-260		.002	.125	.024		
260-270		.002	.118	.022		
270-275		.002	.092	.018	(275-280 missing)	
280-290		.002	.125	.019		
290-300		.002	.106	.016		
300-310		.001	.100	.021		
310-320		.001	.120	.015		
320-330		.002	.093	.019		
R81-6-330-340		.001	.096	.024		
R81-6-280-285	(Dup.)	.002	.125	.023		

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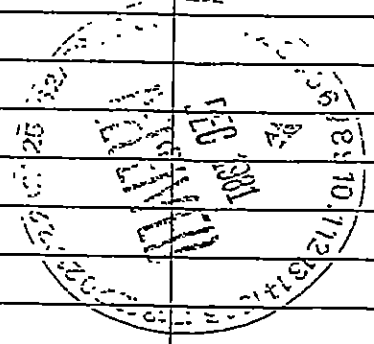
MIN-EN LABORATORIES LTD.
705 WEST 15TH STREET, NORTH VANCOUVER, B.C. V7M 1T2
PHONE: (604) 980-5814 OR (604) 988-4524

Certificate of Assay

TO: E & B Explorations,
1440-800 W. Pender St.,
Vancouver, B.C.

PROJECT No. Cariboo Be
DATE: Dec. 4/81.
File No. 1-1125

SAMPLE No.	Au oz/ton	Cu %	Cu oxide as Cu %		
R81-6-340-350	.002	.086	.018		
350-360	.002	.102	.016		
360-370	.002	.105	.019		
370-380	.002	.074	.016		
380-390	.002	.095	.018		
390-400	.003	.177	.017		
400-410	.001	.094	.020		
410-420	.002	.103	.022		
420-430	.002	.107	.045		
430-440	.003	.105	.038		
440-450	.001	.086	.021		
450-460	.001	.069	.018		
460-470	.001	.062	.017		
470-480	.001	.043	.013		
480-490	.001	.052	.007		
490-500	.001	.081	.010		
500-510	.002	.150	.016		
510-520	.003	.159	.018		
520-530	.003	.137	.027		
530-540	.002	.095	.017		
540-550	.001	.051	.012		
550-560	.001	.021	.007		
560-570	.001	.016	.007		
570-580	.001	.031	.008		
580-590	.002	.080	.013		
590-600	.002	.096	.018		
600-610	.002	.100	.017		
610-620	.001	.069	.016		
620-630	.001	.040	.011		
R81-6-630-640	.001	.045	.010		



MINE-EN Laboratories Ltd.

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MIN-EN LABORATORIES LTD.
705 WEST 15TH STREET, NORTH VANCOUVER, B.C. V7M 1T2
PHONE: (604) 980-5814 OR (604) 988-4524

Certificate of Assay

TO: E & B Explorations,
1440-800 W. Pender St.,
Vancouver, B.C.

PROJECT No. Cariboo Be
DATE: Dec. 4/81.
File No. 1-1125

SAMPLE No.		Au oz/ton	Cu %	Cu oxide as Cu %		
R81-6-640-650		.002	.016	.007		
650-660		.001	.015	.007		
660-670		.001	.025	.009		
670-680		.001	.013	.007		
680-690		.001	.015	.007		
R81-6-690-700		.001	.010	.006		

MINE-EN Laboratories Ltd.

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MIN-EN LABORATORIES LTD.
705 WEST 15TH STREET, NORTH VANCOUVER, B.C. V7M 1T2
PHONE: (604) 980-5814 OR (604) 988-4524

Certificate of Assay

TO: E & B Explorations,
1440-800 W. Pender St.,
Vancouver, B.C.

PROJECT No. Cariboo-Bel
DATE: Dec. 7/81.
File No. 1-1137

SAMPLE No.	Au oz/ton	Cu %	Dup. Cu%	Dup. Au oz/ton
R-81-7-0-10	.002	.020		
10-20	.017	.022		
20-30	.046	.023		
30-40	.003	.032		
40-50	.005	.022		
50-60	.001	.025		
60-70	.001	.026		
70-80	.002	.039		
80-90	.001	.035		
90-100	.001	.015		
100-110	.001	.010		
110-120	.001	.017		
120-130	.001	.034		
130-140	.001	.025		
140-150	.001	.026		
150-160	.001	.028		
160-170	.001	.023		
170-180	.001	.013		
180-190	.001	.012		
190-200	.001	.013		
200-210	.001	.023		
210-220	.001	.053		
220-230	.001	.038		
230-240	.001	.032		
240-250	.001	.012		
250-260	.002	.010		
260-270	.001	.020		
270-280	.002	.014		
280-290	.001	.020		
R-81-7-290-300	.002	.029		

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MIN-EN LABORATORIES LTD.
705 WEST 15TH STREET, NORTH VANCOUVER, B.C. V7M 1T2
PHONE: (604) 980-5814 OR (604) 988-4524

Certificate of Assay

TO: E & B Explorations,
1440-800 W. Pender St.,
Vancouver, B.C.

PROJECT No. Cariboo Be
DATE: Dec. 7/81.
File No. 1-1137

SAMPLE No.		Au oz/ton	Cu %			
R-81-7-300	-310	.001	.042			
310	-320	.001	.031			
320	-330	.001	.024			
330	-340	.002	.023			
340	-350	.001	.018			
350	-360	.001	.028			
360	-370	.001	.027			
370	-380	.001	.010			
380	-390	.001	.020			
390	-400	.002	.024			
400	-410	.002	.020			
410	-420	.001	.022			
420	-430	.001	.032			
430	-440	.002	.025			
440	-450	.001	.021			
450	-460	.001	.024			
460	-470	.001	.030			
470	-480	.001	.023			
480	-490	.001	.040			
490	-500	.001	.035			
500	-510	.001	.034			
R-81-7-510	-515	.001	.022			

MINE-EN Laboratories Ltd.

CERTIFIED BY: [signature]

SECTION D - DRILL HOLE LOGS

E&B EXPLORATIONS INC.

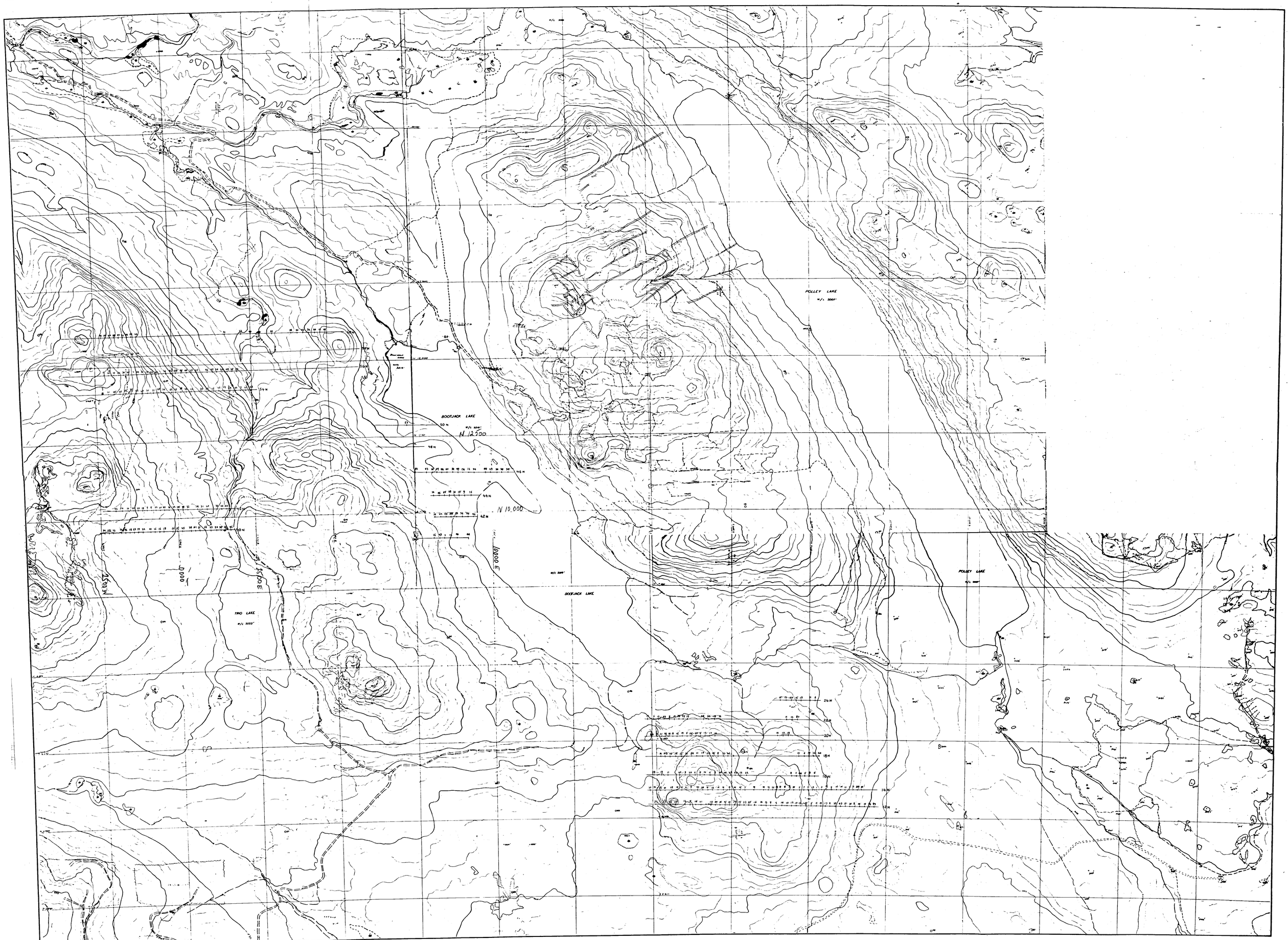
[redacted]

DRILL HOLE DATA

DRILL TYPE: NQ CORE (S-81 HOLES)

PROJECT: CARIBOO BELL

DATE COMPLETED	HOLE NO.	LAT. (N)	DEP. (E)	COLLAR ELEVATION	(Collar) BEARING	TOTAL DEPTH	(Collar) DIP	HORIZONTAL DISTANCE	VERTICAL DISTANCE	OVER-BURDEN	REMARKS
July8/81	S-81-230	7868.3	9559.8	3784.0	270	900	-50°	579	689	4	
July11/81	S-81-231	8508.9	9233.1	3870.2		770	-90	-	770	25	
July17/81	S-81-232	8926.5	9421.9	3888.1	270	834	-62	392	736	30	
July21/81	S-81-233	9322.8	8291.3	3859.7	270	483	-50	310	370	10	
July25/81	S-81-234	9153.4	7567.2	3873.5	270	906	-59	453	785	10	
July31/81	S-81-235	8667.6	7763.2	3821.2		914	-90	-	914	20	
Aug 9/81	S-81-236	8269.6	7257.0	3683.2	090	920	-56	528	754	10	



Cu in P.P.M.

10,353

MAP SCALE

m. 240 0 240 480 760 m.

Ft. 1000 0 1000 2000 Ft.

NTS 93A/12

REVISIONS No	Date	MADE BY	DESCRIPTION
1			
2			
3			
4			
5			

DATE	DRAWN BY	CHECKED	APPROVED
12/16/81			

E & B Explorations Inc.

OFFICE	DEPARTMENT

CARIBOO - BELL PROJECT

GEOCHEMICAL SURVEY PLAN

MAP INDEX NUMBER	SCALE	DRAWING NUMBER
CB-81-3	1: 12,000	

5,000 E | 6,000 E | 7,000 E | 8,000 E | 9,000 E | 10,000 E | 11,000 E | 12,000 E

10,000 N | 9,500 N | 8,500 N | 7,500 N

S-45 S-17 S-42 S-18 S-40 S-89 S-95

R-81-6

S-23 S-19 S-15 S-29 S-16 S-27

R-81-5

PS-5 PS-6 S-54 S-101 S-83

R-81-4 S-216

PS-3 PS-4 S-102 S-217 S-14

R-81-3

S-46 S-24 S-22 PS-12 S-81-233 PS-9 S-12 S-13 S-100 S-80

S-81-234 S-220 S-104

PS-10 S-44 S-21 S-20 S-53 S-10 S-11 S-81-232 S-92 S-97 PS-8

S-44A R-81-2/2A S-112 S-81-235 S-214 S-215 S-107

S-221 S-113 PS-11 S-7 S-8 S-9 S-81-231 S-98 S-79 S-81

S-43 PS-59 S-200 S-202 CB79-4 S-201 S-48 CB79-1

PS-60 PS-58 S-212 S-211 R-81-7 S-81-236 S-111 S-210 S-106 S-223 S-108

PS-61

S-41 PS-57 S-39 CB79-6 S-209 CB79-5 S-49 S-50 S-26 S-6 S-5 S-4 CB79-2 S-32 S-31

S-213 S-110 S-109 S-222 S-81-230

S-206

S-52 S-47 S-208 S-207 S-28 S-3 S-2 CB79-3 S-1 S-33 S-30

S-105 S-103

S-93 S-96 S-35A S-34 S-36 S-37 S-38

S-44A

R-81-7 (1870 Ft. Due South)

S-81-230 ○ DIAMOND DRILL HOLE
R-81-1 ● ROTARY DRILL HOLE
PS-3 ○ PERCUSSION DRILL HOLE

MAP SCALE
SCALE IN METRES
48 0 48 96 144
200 0 200 400 Ft
SCALE IN FEET
NTS 93A/12

REVISIONS	No	Date	MADE BY	DESCRIPTION
	1	28/Sept/81	mcintee	original Dwg
	2			
	3			
	4			
	5			
DATE		12/16/81	DRAWN BY	JVV
CHECKED			APPROVED	

E & B Explorations Inc.
OFFICE | DEPARTMENT

CARIBOO - BELL PROJECT
DRILL HOLE LOCATION PLAN

MAP INDEX NUMBER	SCALE	DRAWING NUMBER
CB - 81 - 4	1:2400	