

6326

PERCUSSION DRILLING REPORT  
ON THE  
BJ CLAIMS--~~59~~<sup>52</sup>°30'N., 121°35'W (93 A/12E)  
HIGHLAND-CROW RESOURCES LTD.

BY: J. M. CARR, P.Eng.  
APRIL 21, 1977 TO MAY 31, 1977

June 23, 1977

Vancouver, B. C.

<p>MINERAL RESOURCES BRANCH ASSESSMENT REPORT</p> <p>NO. _____</p>
--

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Figure 2:	Surface Plan (1:12,000)	In pocket.

PERCUSSION DRILLING REPORT ON THE  
BJ CLAIMS--52°30'N., 121°35'W. (93 A/12E)  
HIGHLAND-CROW RESOURCES LTD.

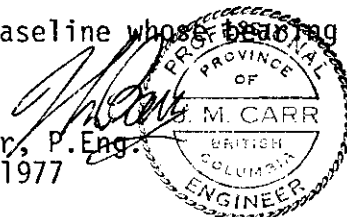
DESCRIPTION OF WORK

Between April 12, 1977 and May 31, 1977 a program of percussion drilling totalling 1,880 feet (573 m) in seven holes was planned and completed on the claims (see Figures 1 and 2 for location of holes). Drilling was contracted to Al Miller Percussion Drilling Ltd. and bulldozing for site preparation was contracted to Ferster Bros. Trucking Ltd. Assaying of sludge samples at 10-foot interval for Cu, 50-foot interval for both Au and, in holes P62 and P65 only, non-sulphide copper (Cu<sub>x</sub>) was by Chemex Labs Ltd. The work was supervised by K. W. Davies under my direction. Drilling was preceded by full compilation of all available geophysical and geochemical data and resulted in discovery of a new, if weakly mineralized, zone on the Cariboo-Bell property. All seven holes were vertical and drilled wet, as follows:

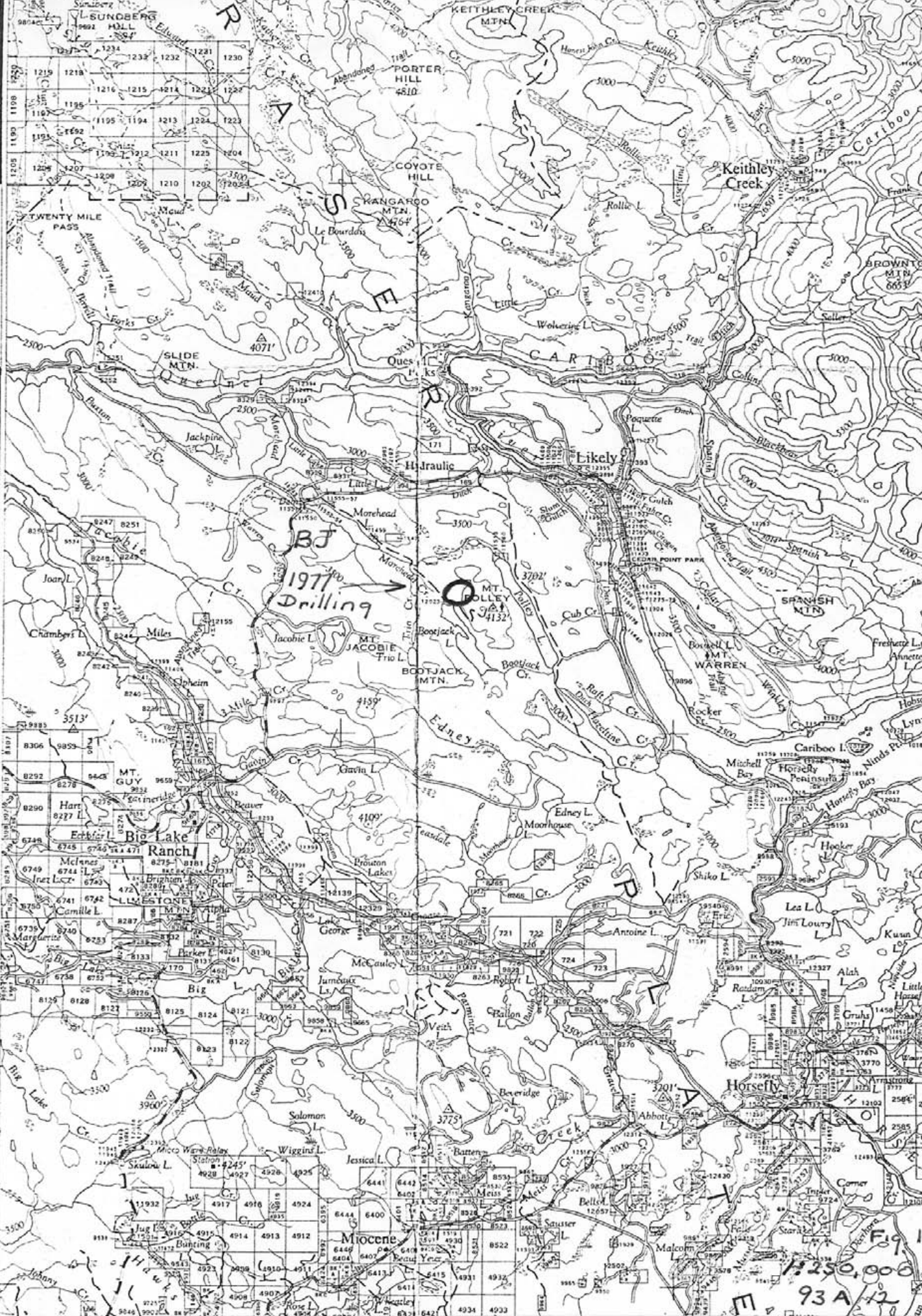
Claim	Hole	Grid Location*	Length		Overburden metres	Casing Metres	Mineralization
			Feet	Metres			
BJ 123	P62	48+50N, 31+00E	270	82.4	nil	9.1	Average 0.06% Cu (0.03% Cu <sub>x</sub> )
BJ 1 & BJ 3	P63	67+70N, 28+60W	300	91.4	18.9	23.2	Average 0.08% Cu
BJ 1	P64	68+20N, 31+40W	300	91.4	4.9	9.1	Average 0.11% Cu, incl. 80 ft. (130- 210 ft.) 0.21% Cu
BJ 3	P65	67+25N, 33+60W	300	91.4	4.3	6.1	Average 0.28% Cu, 0.007 oz./t. Au, inc 70 ft. (130-200 ft.) 0.66% Cu (0.03% Cu <sub>x</sub> ) 0.010 oz./ton Au. <sup>x</sup>
BJ 2	P66	68+00N 36+50W	300	91.4	11.3	14.0	Average 0.04% Cu
BJ 3	P67	64+20N, 33+10W	200	61.0	13.4	14.0	Average 0.01% Cu
BJ 3	P68	63+50N, 30+00W	210	64.0	11.6	17.0	Average 0.09% Cu

\*Measured in feet relative to the property baseline whose bearing is 326°.

J. M. Carr, P. Eng.  
June 23, 1977



FOREST



45'

To McLeese Lake - 19 miles

30'

15'

Fig 1  
1:250,000  
93A/2



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
 NORTH VANCOUVER, B.C.  
 CANADA V7J 2C1  
 TELEPHONE: 985-0648  
 AREA CODE: 604  
 TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CARIBOO-BELL PROPERTY  
 JOB NO. 1004

## CERTIFICATE OF ASSAY

TO: Highland Crow Resources Ltd.,  
 14th flr. 1199 W.Hastings,  
 Vancouver, B. C.

CERTIFICATE NO. 32468  
 INVOICE NO. 20178  
 RECEIVED May 26/77  
 ANALYSED June 1/77

ATTN:

### Sludge Samples

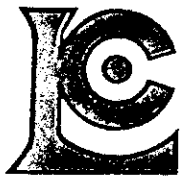
SAMPLE NO. :	% Copper	Oz/Ton Gold	% Non Sulfide Copper
P62 0-10	0.08 )		
10-20	0.08 )		
20-30	0.03 )-	0.003	0.04
30-40	0.03 )		
40-50	0.05 )		
50-60	0.06 )		
60-70	0.03 )-	<0.003	< 0.02
70-80	0.02 )		
80-90	0.01 )		
90-100	< 0.01 )		
100-110	0.04 )		
110-120	0.11 )		
120-130	0.14 )-	0.005	0.06
130-140	0.07 )		
140-150	0.03 )		
150-160	0.04 )		
160-170	0.07 )		
170-180	0.09 )-	0.003	0.04
180-190	0.12 )		
190-200	0.11 )		
200-210	0.12 )		
210-220	0.08 )-	< 0.003	< 0.02
220-230	0.06 )		
230-240	0.07 )		
240-250	0.05 )		
250-260	0.08 )-	< 0.003	< 0.02
P62 260-270	0.07 )		
P63 62-80	0.03 )		
80-90	0.05 )		
90-100	0.07 )-	0.003	
100-110	0.07 )		
110-120	0.09 )		
120-130	0.05 )		
130-140	0.05 )-	0.003	
140-150	0.06 )		
150-160	0.09 )		
160-170	0.13 )		
170-180	0.11 )		
180-190	0.13 )-	0.003	
P63 190-200	0.09 )		



MEMBER  
 CANADIAN TESTING  
 ASSOCIATION

*Stan Amosini*

REGISTERED ASSAYER, PROVINCE OF BRITISH COLUMBIA



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
 NORTH VANCOUVER, B.C.  
 CANADA V7J 2C1  
 TELEPHONE: 985-0648  
 AREA CODE: 604  
 TELEX: 043-52597

CARIBOO-BELL PROPERTY  
 JOB NO. 1004

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

## CERTIFICATE OF ASSAY

TO: Highland Crow Resources Ltd.,  
 14th Flr. 1199 W.Hastings  
 Vancouver, B. C.

CERTIFICATE NO. 32469

INVOICE NO. 20178

RECEIVED May 26/77

ANALYSED June 1/77

ATTN:

Sludge Samples

SAMPLE NO. :	% Copper		Oz/Ton Gold	
P63 200-210	0.05	)		
210-220	0.04	)		
220-230	0.07	)		
230-240	0.07	)		
240-250	0.11	)	0.003	
250-260	0.15	)		
260-270	0.14	)		
270-280	0.09	)		
280-290	0.11	)	0.003	
P63 290-300	0.13	)		
P64 16-30	0.02	)		
30-40	0.01	)		
40-50	0.02	)	< 0.003	
50-60	0.06	)		
60-70	0.05	)		
70-80	0.17	)		
80-90	0.09	)	0.003	
90-100	0.09	)		
100-110	0.09	)		
110-120	0.14	)		
120-130	0.09	)		
130-140	0.28	)		
140-150	0.19	)	0.005	
150-160	0.15	)		
160-170	0.18	)		
170-180	0.23	)		
180-190	0.26	)		
190-200	0.23	)	0.005	
200-210	0.16	)		
210-220	0.09	)		
220-230	0.06	)		
230-240	0.05	)		
240-250	0.05	)	< 0.003	
250-260	0.05	)		
260-270	0.10	)		
270-280	0.08	)		
280-290	0.03	)	< 0.003	
P64 290-300	0.02	)		
P65 14-30	0.14	)		
P65 30-40	0.25	)		



MEMBER  
 CANADIAN TESTING  
 ASSOCIATION

*Stefano*  
 REGISTERED ASSAYER, PROVINCE OF BRITISH COLUMBIA



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
 NORTH VANCOUVER, B.C.  
 CANADA V7J 2C1  
 TELEPHONE: 985-0648  
 AREA CODE: 604  
 TELEX: 043-52597

CARIBOO-BELL PROPERTY  
 JOB NO. 1004

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

## CERTIFICATE OF ASSAY

TO: Highland Crow Resources Ltd.,  
 14th flr. 1199 W. Hastings  
 Vancouver, B.C.

CERTIFICATE NO. 32470

INVOICE NO. 20178

RECEIVED May 26/77

ANALYSED June 2/77

ATTN: Sludge Samples

SAMPLE NO. :	% Copper	Oz/Ton Gold
P65 40-50	0.24)	
50-60	0.17)-	0.003
60-70	0.25)	
70-80	0.21 )	
80-90	0.32 )	
90-100	0.21 )-	0.005
100-110	0.18 )	
110-120	0.14 )	
120-130	0.14)	
130-140	0.34)	
140-150	0.74)-	0.010
150-160	0.72)	
160-170	0.41)	
170-180	1.58 )	
180-190	0.41 )	
190-200	0.39 )-	0.010
200-210	0.15 )	
210-220	0.13 )	
220-230	0.11)	
230-240	0.15)	
240-250	0.11)-	0.003
250-260	0.11)	
260-270	0.05)	
270-280	0.06 )	
280-290	0.13 )-	0.003
P65 290-300	0.10 )	
P66 37-50	< 0.01)	
50-60	0.03)	
60-70	0.03)-	< 0.003
70-80	0.02)	
80-90	< 0.01)	
90-100	0.01 )	
100-110	0.01 )	
110-120	0.01 )-	< 0.003
120-130	< 0.01 )	
130-140	< 0.01 )	
140-150	< 0.01)	
150-160	< 0.01)	< 0.003
160-170	0.01)	
P66 170-180	0.03)	



MEMBER  
 CANADIAN TESTING  
 ASSOCIATION

*Stuart Amadori*  
 REGISTERED ASSAYER, PROVINCE OF BRITISH COLUMBIA



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
 NORTH VANCOUVER, B.C.  
 CANADA V7J 2C1  
 TELEPHONE: 985-0648  
 AREA CODE: 604  
 TELEX: 043-52597

CARIBOO-BELL PROPERTY  
 JOB NO. 1004

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

## CERTIFICATE OF ASSAY

CERTIFICATE NO. 32471  
 INVOICE NO. 20178  
 RECEIVED May 26/77  
 ANALYSED June 3/77

TO: Highland Crow Resources Ltd.  
 14th flr. 1199 W. Hastings  
 Vancouver, B.C.

ATTN: Sludge Samples

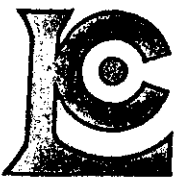
SAMPLE NO. :	% Copper	Oz/Ton Gold
P66 180-190	0.02 )	
190-200	0.02 )	
200-210	0.03 )	
210-220	0.03 )	<0.003
220-230	0.03 )	
230-240	0.08 )	
240-250	0.08 )	
250-260	0.09 )	
260-270	0.11 )	
270-280	0.11 )	0.003
P66 280-290	0.08 )	
P67 290-300	0.11 )	
P67 44-60	0.01 )	
60-70	< 0.01 )	
70-80	< 0.01 )	0.003
80-90	< 0.01 )	
90-100	< 0.01 )	
100-110	< 0.01 )	
110-120	0.02 )	
120-130	0.02 )	
130-140	0.01 )	0.003
140-150	0.01 )	
150-160	0.01 )	
160-170	0.02 )	
170-180	0.01 )	<0.003
P67 180-190	0.01 )	
P68 190-200	0.01 )	
P68 38-50	0.05 )	
50-60	0.06 )	
60-70	0.03 )	0.003
70-80	0.03 )	
80-90	0.03 )	
90-100	0.03 )	
100-110	0.05 )	
110-120	0.03 )	0.003
120-130	0.03 )	
130-140	0.05 )	
140-150	0.03 )	
150-160	0.23 )	
P68 160-170	0.16 )	0.003



MEMBER  
 CANADIAN TESTING  
 ASSOCIATION

*[Signature]*  
 REGISTERED ASSAYER, PROVINCE OF BRITISH COLUMBIA





# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1  
TELEPHONE: 985-0648  
AREA CODE: 604  
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CARIBOO-BELL PROPERTY  
JOB NO. 1004

## CERTIFICATE OF ASSAY

CERTIFICATE NO. 32472

TO: Highland Crow Resources Ltd.  
14th flr. 1199 W. Hastings  
Vancouver, B.C.

INVOICE NO. 20178

RECEIVED May 26/77

ATTN:

Sludge Samples

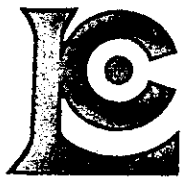
ANALYSED June 3/77

SAMPLE NO. :	%		Oz/Ton
	Copper	Gold	
P68 170-180	0.17)		
180-190	0.20)		
190-200	0.30 )	0.003	
P68 200-210	0.15 )		



MEMBER  
CANADIAN TESTING  
ASSOCIATION

*[Signature]*  
REGISTERED ASSAYER, PROVINCE OF BRITISH COLUMBIA



JUN 14 1977

# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1  
TELEPHONE: 985-0648  
AREA CODE: 604  
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CARIBOO-BELL PROPERTY  
JOB NO. 1004

## CERTIFICATE OF ASSAY

TO: Highland Crow Resources Ltd.,  
1199 W. Hastings St.,  
Vancouver, B. C.

CERTIFICATE NO. 32470

INVOICE NO. 20294

RECEIVED June

ANALYSED June 10/77

ATTN: Mr. Carr.

SAMPLE NO. :	% Non-Sulfide Copper	P-65
120-130 )		
130-140 )		
140-150 ) -	0.01	
150-160 )		
160-170 )		
170-180 )		
180-190 )		
190-200 ) -	0.06	
200-210 )		
210-220 )		



MEMBER  
CANADIAN TESTING  
ASSOCIATION

*[Signature]*  
REGISTERED ASSAYER, PROVINCE OF BRITISH COLUMBIA

COST STATEMENT

1. Salaries

(a) Field Work:

K. W. Davies, Field Supervisor  
- May 9-13, 16-20, 23-27, 1977  
(15 days @ \$138) 2,070.00

J. M. Carr, Chief Geologist  
- May 10-13, 1977  
(4 days @ \$292) 1,168.00

(b) Office work (excluding report preparation)

K. W. Davies - April 12 & May 30, 1977  
(1½ days @ \$138) 207.00

J. M. Carr - May 16-17, 31, 1977  
(2½ days @ \$292) 647.00

\$ 4,102.00

2. Contractors:

(a) Ferster Bros. Trucking Ltd. Quesnel  
(for hire of D8 Cat with operator)  
- mobilization & demobilization 500.00  
- 20 hours operation @ \$60.00 1,200.00 1,700.00

(b) Al Miller Percussion Drilling Ltd.,  
Kamloops, B. C.  
- mobilization (224 mi. @ \$1.60/mile) 358.40  
- demobilization (224 mi. @ \$1.60/mile) 358.40  
- drilling (1,880 ft. @ \$3.50/ft.) 6,580.00 7,296.80

3. Food and Accommodation:(19 man days @ \$26/day) 494.00

4. Transportation:

- Vehicle rental (4 x 4 ½-ton: 15 days @ \$20.33) 304.95  
- Gasoline (15 days @ \$10/day) 150.00  
- Airfare Williams Lake-Victoria for J.M.Carr 86.95 541.90

5. Assays:

-Cu (164 @ \$4.50)	\$	738.00	
-non-sulphide Cu (8 @ \$6.00)		48.00	
-Au (35 @ \$5.00)		175.00	
-preparation charge (164 samples @ \$1.00)		164.00	
-compositing charge (164 samples @ \$0.50)		82.00	
		<u>          </u>	1,207.00

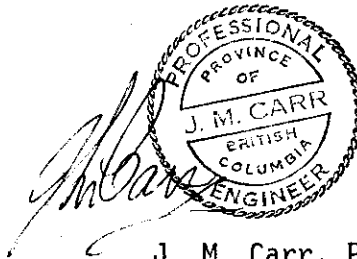
6. Incidentals: 250 sample bags 100.00

7. Preparation of report: 916.00

\$ 16,357.70

I hereby certify that the above-stated costs are all directly applicable to the actual assessment work on the BJ claims.

\$16,200 of this work is requested to be applied to BJ claims (Group 10) per accompanying Form B.



J. M. Carr, P.Eng.  
June 23, 1977

# Al Miller Percussion Drilling

LTD.

BOX 182 - KAMLOOPS, B.C.

CONTRACT BETWEEN Teck Corp. Ltd. MINING COMPANY  
*for Highland-Crow Resources Ltd*  
AND AL MILLER PERCUSSION DRILLING LTD.

BASIC RATE TO BE \$ 3.50 PER FOOT DRILLED.

DRILLING COMPANY TO BE REIMBURSED FOR THE FOLLOWING:

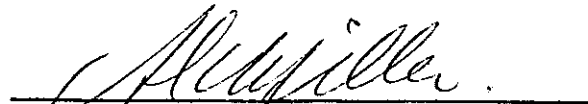
- (1) CHEMICAL GROUT IF REQUIRED, *\$35.00 per batch.*
- (2) COVERAGE FOR CASING LOST AFTER 50 FEET, *at cost.*
- (3) COVERAGE FOR DRILL RODS LOST AFTER 300 FEET, *at cost.*
- (4) WAITING TIME OR STAND BY TIME \$ 50.00 PER HOUR  
IF MINING COMPANY AT FAULT.
- (5) DRILLING MUD IF REQUIRED, *at cost.*
- (6) MOBILIZATION AND DE-MOBILIZATION WILL BE

*\$160*  
*agreed*  
*for low bed hauling drill.*  
\$ ~~140~~ PER MILE, NO CHARGE IN KAMLOOPS AREA.

NOTE: Water truck to be included in basic price. Water supply or source and cost of water to be the responsibility of the Mining Company. Drill sites and roads to be the responsibility of the Mining Company. If Cat required for assistance in moving drill, this also will be the responsibility of the Mining Company.

THE DRILLING COMPANY WILL CARRY PUBLIC LIABILITY INSURANCE IN THE AMOUNT OF ~~\$100,000.00~~ DOLLARS.

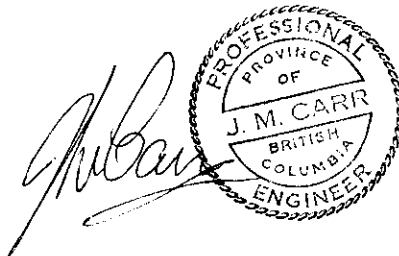
  
SIGNATURE

  
AL MILLER PERCUSSION DRILLING  
LTD.

CERTIFICATE

I, John M. Carr, do hereby certify that:

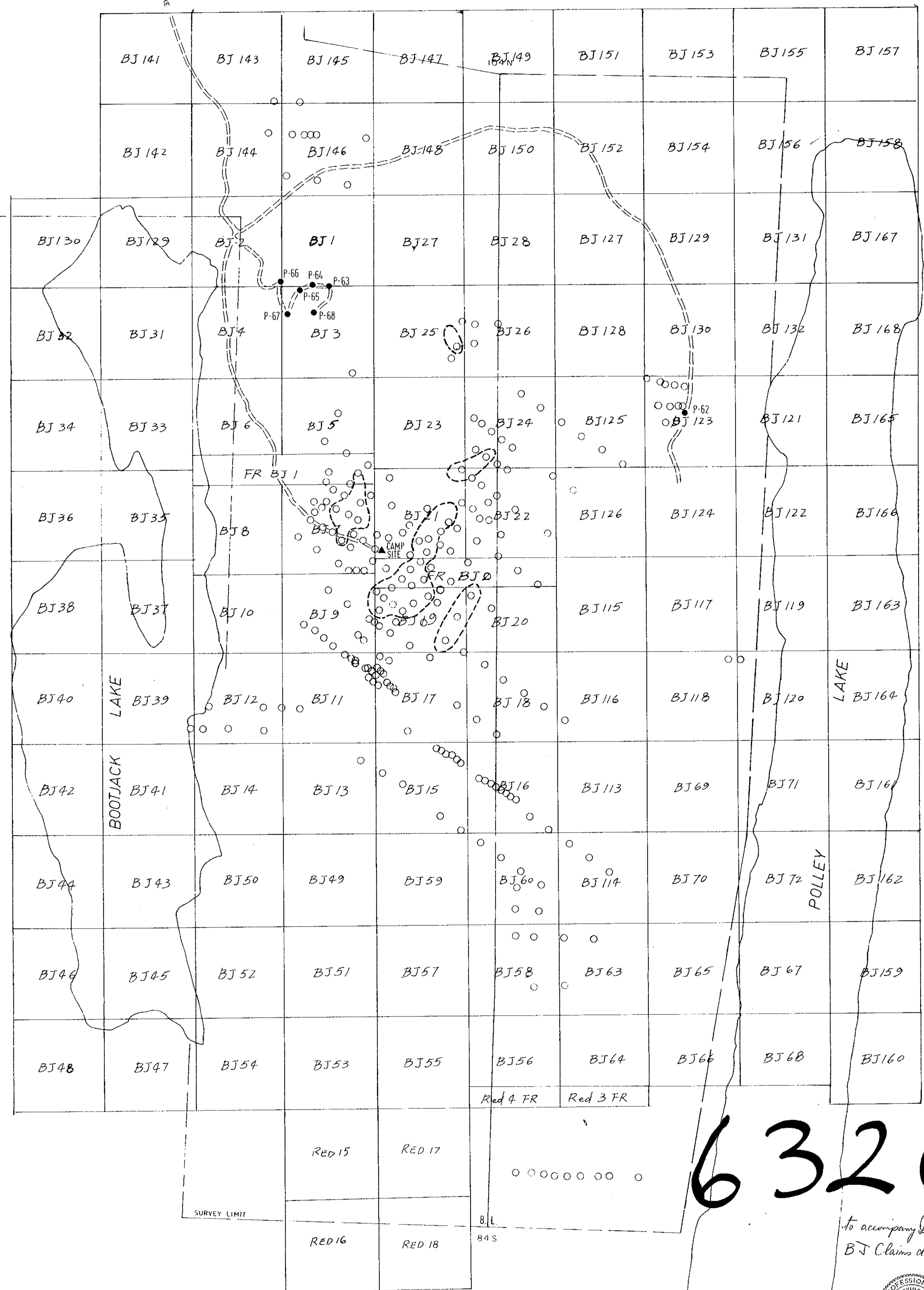
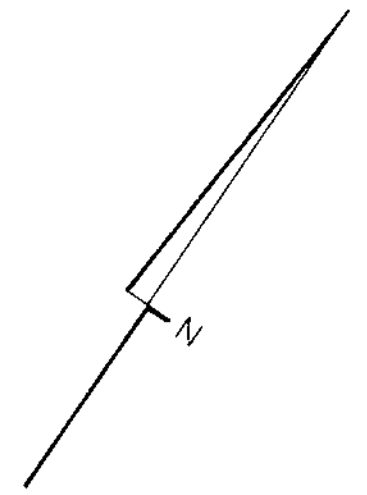
1. I am a geologist residing at 3896 Scolton Road, Victoria, British Columbia and employed by Teck Corporation Limited.
2. I am a graduate of the University of Oxford with a B.A. (Hons.) degree in Geology and a D.Phil. degree in Geology obtained at the same University.
3. I am a Professional Engineer registered in the Province of British Columbia.
4. I have practised my profession in geology continuously for the past 25 years and since 1955 in British Columbia.
5. Between 12 April, 1977 and 31 May, 1977 I directed a percussion drilling program on the BJ claims on behalf of Highland-Crow Resources Ltd.



---

John M. Carr,  
June 23, 1977

MOOREHEAD LAKE



- LEGEND**
- PREVIOUS DRILLHOLES
  - 1977 PERCUSSION DRILLHOLES P62-P-68
  - KNOWN MINERALIZED ZONES (≥ 30% Cu)
  - ACCESS ROAD

6326

to accompany Drilling Report on B.J. Claims dated June 23, 1977

MINERAL RESOURCES BRANCH  
ASSESSMENT REPORT  
NO. \_\_\_\_\_



JOB NO 1004

HIGHLAND-CROW RESOURCES LTD.  
VANCOUVER, B.C.

CARIBOO-BELL PROPERTY  
1977 PERCUSSION DRILLHOLES  
Fig. 2

Scale: 1:12000  
(1" = 1000')

MAY 1977 92A/12