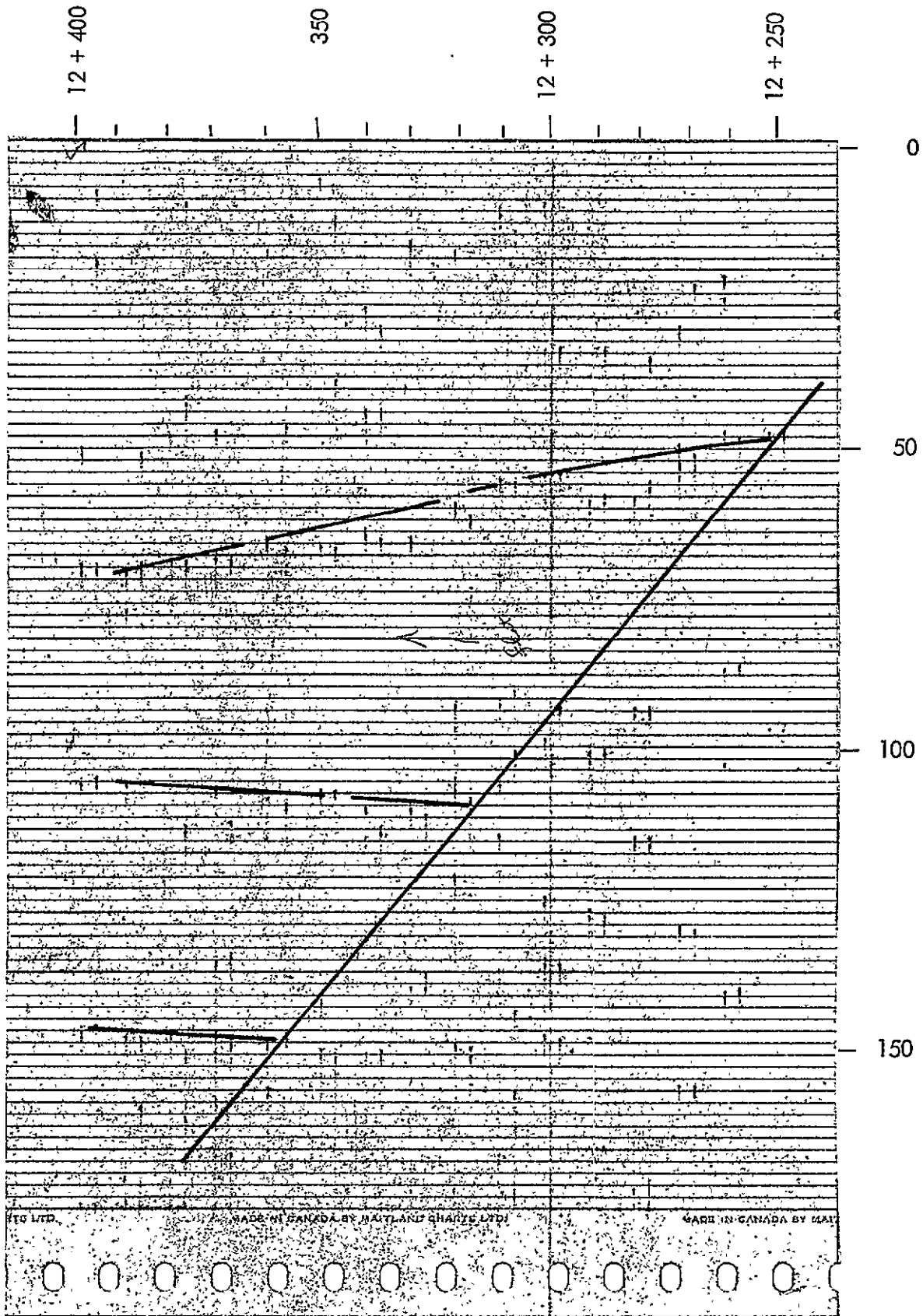


APPENDIX 2 : SELECTED SEISMIC RECORDS

STATION (ft.)

14.



Geophones
at STN 12 + 200

TIME (msec.)

100 LTD.

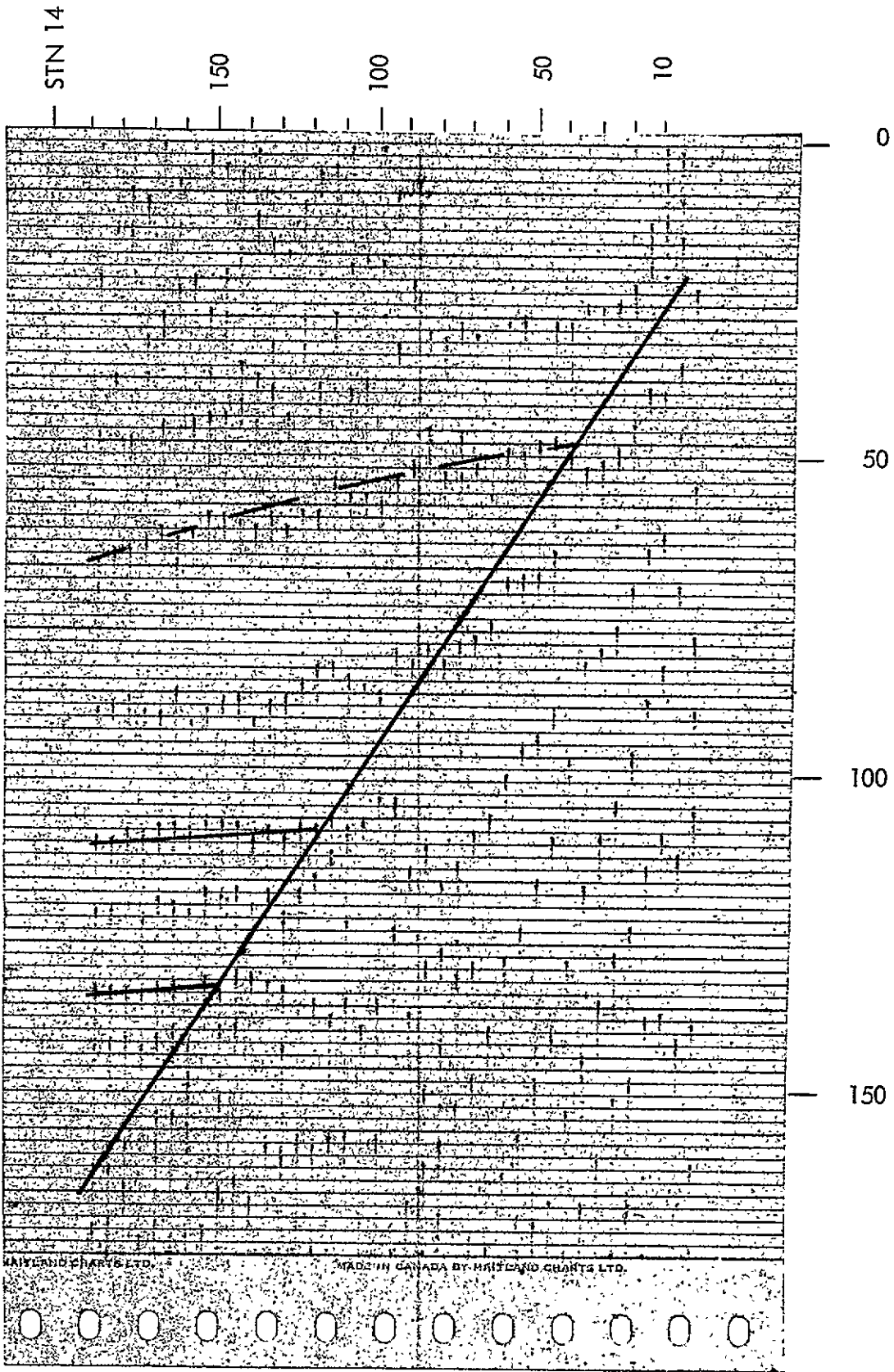
MADE IN CANADA BY HAITLAND SHARVE LTD.

MADE IN CANADA BY MAIL

LINE 2
STN 12 + 200

DISTANCE (ft.)

15.



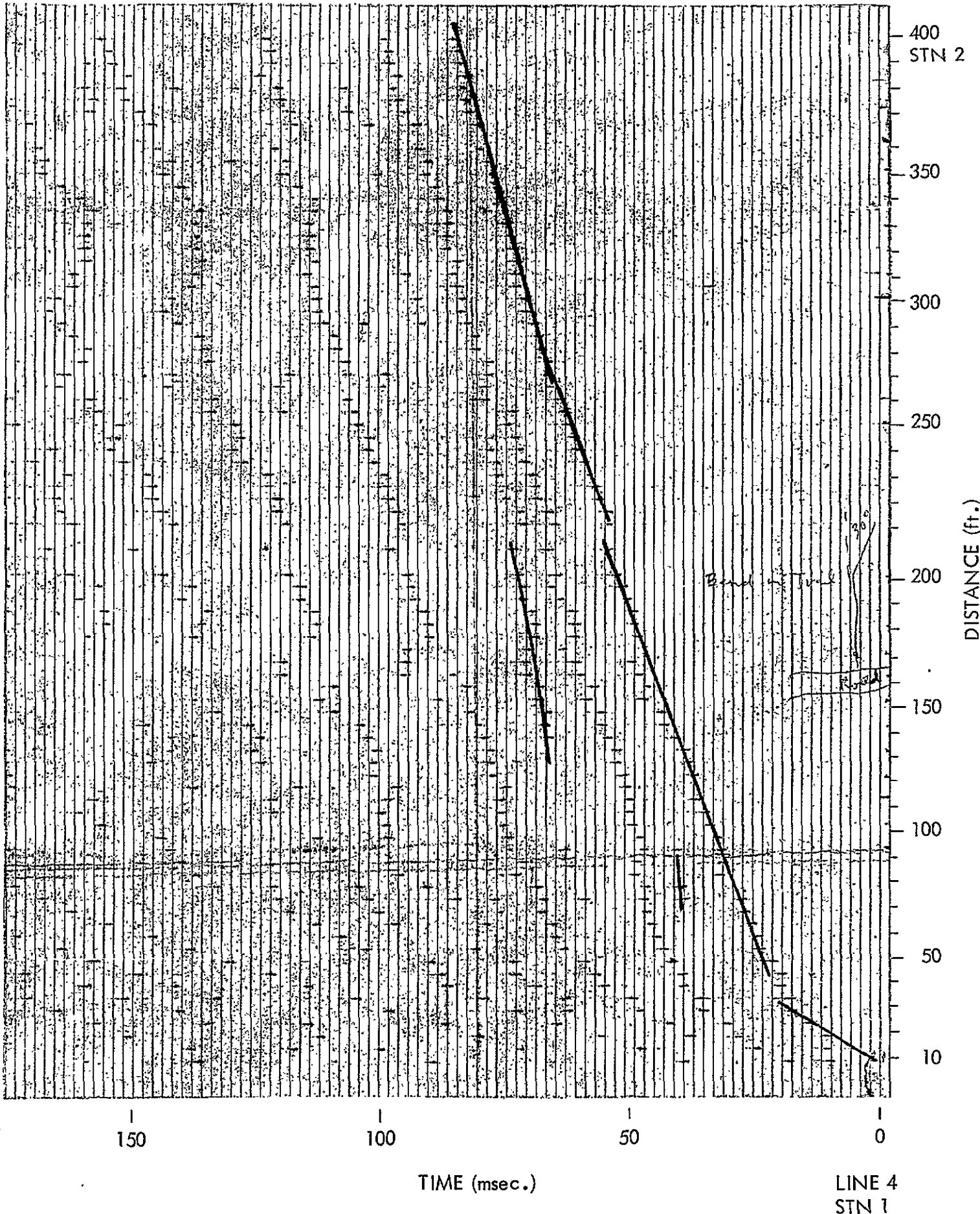
Geophone
at STN 14 + 200

TIME (msec.)

HILF AND QUARTS LTD.

MADE IN CANADA BY HILF AND QUARTS LTD.

LINE 2
STN 14 + 200
Refraction

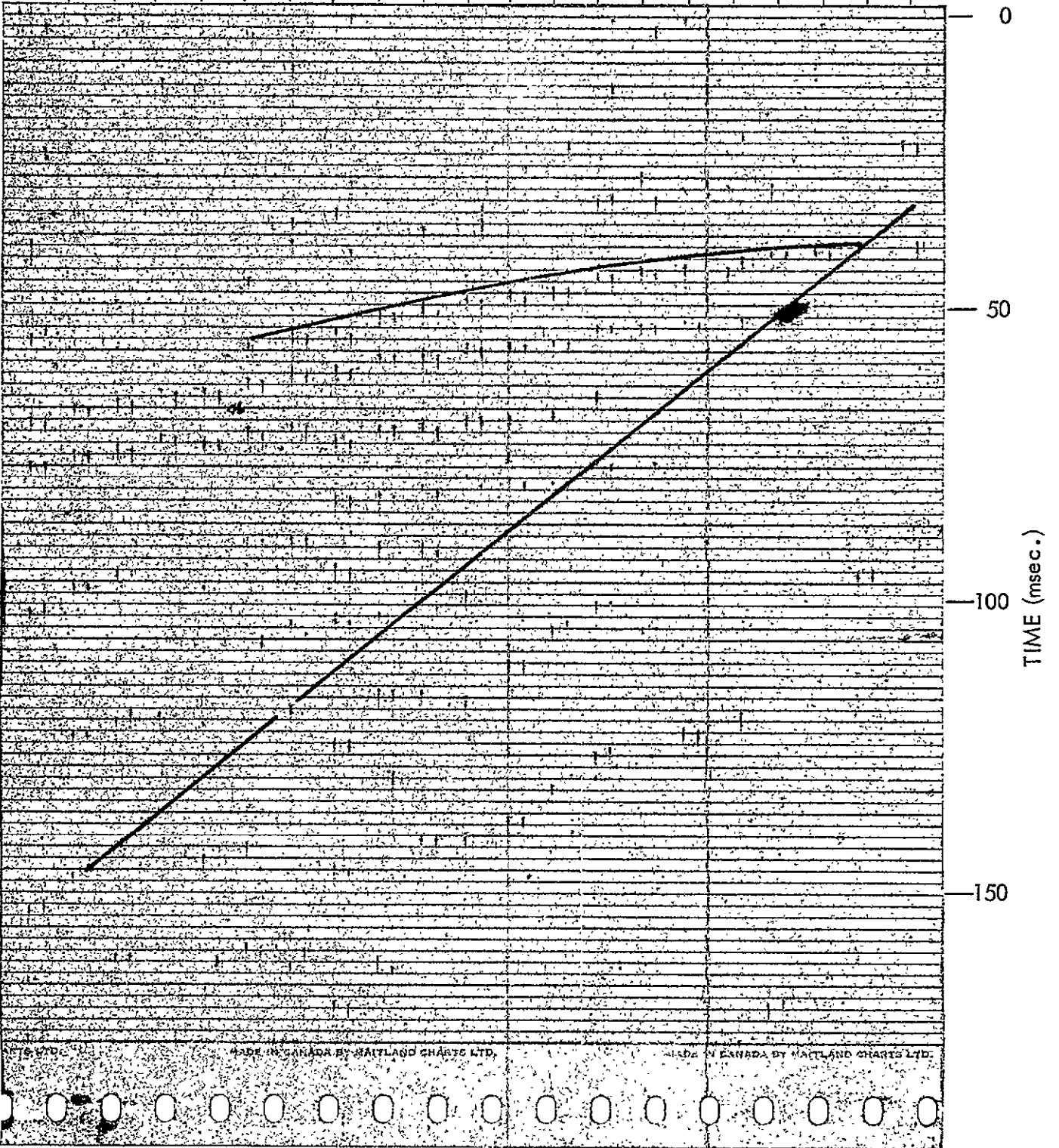


STATION (ft.)

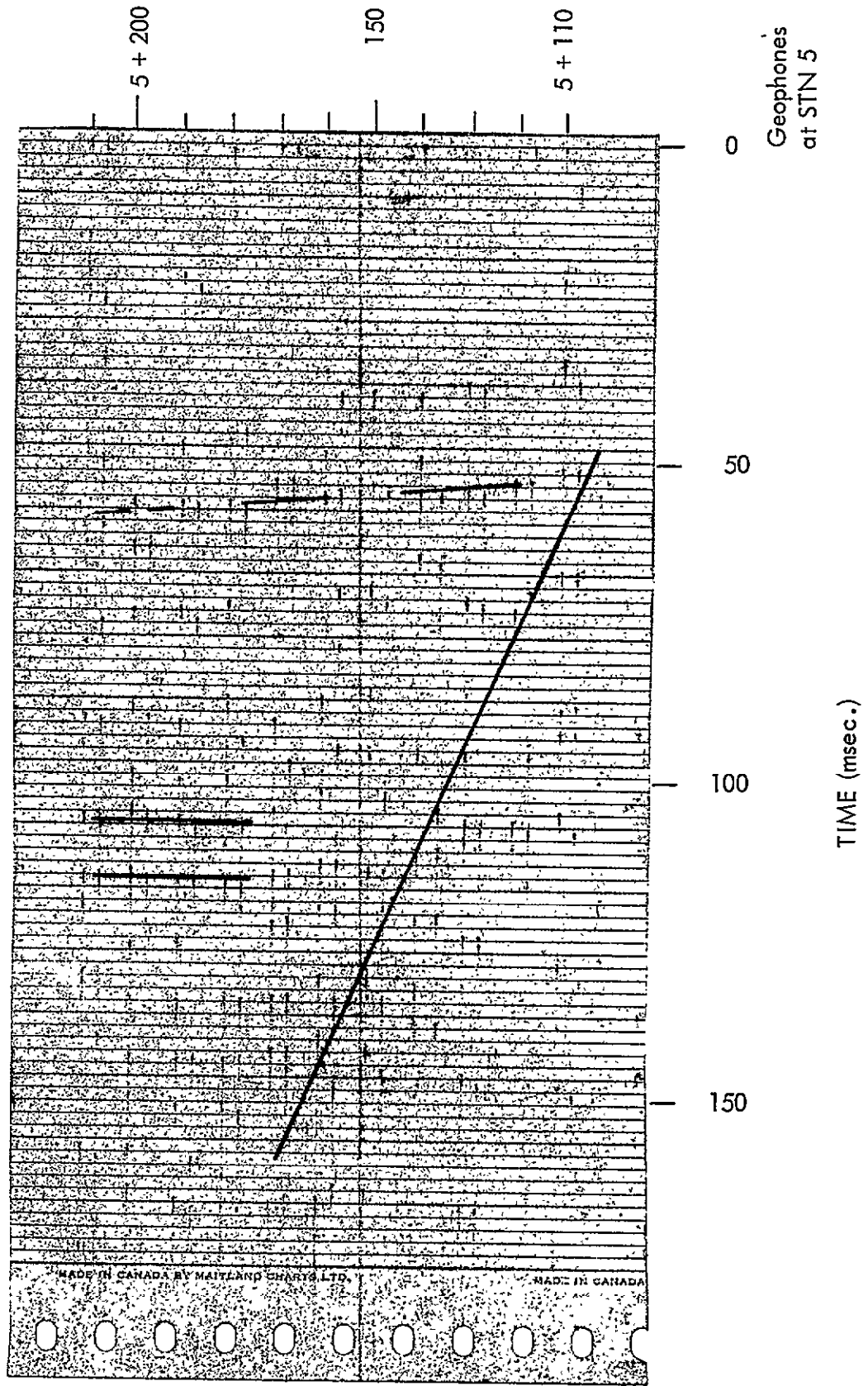
17.

1 + 250 275 1 + 300 325 1 + 350

Geophones
at STN 2

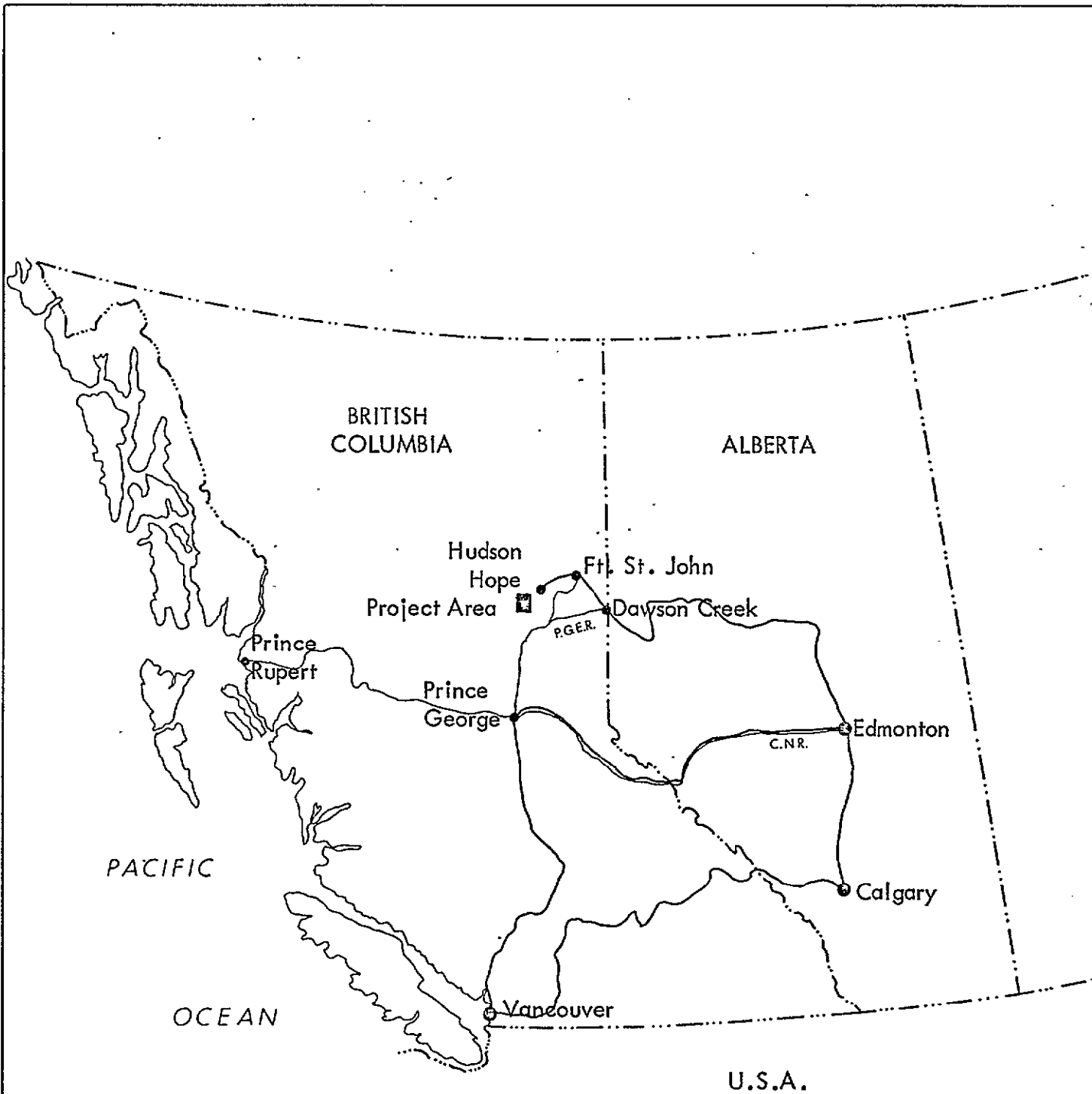


LINE 4
STN 2



APPENDIX 3 : FIELD PERSONNEL

Name	Position	Time on Property 1972
M. Chamberland	Laborer	July 7 - July 21
L. Halferdahl	Geologist	July 3 - July 9
K. Karpiak	Laborer	July 4 - July 21
B. Redpath	Assistant	July 3 - July 22
G. Remfert	Laborer	July 7 - July 21
K. Ridell	Geophysist	July 3 - July 14
G. Van Dyck	Geologist	July 5 - July 22



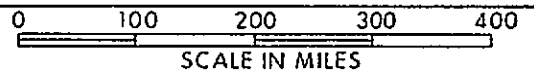
PR-PRC 72(1)B

CINNABAR PEAK MINES LTD.

L.B. HALFERDAHL & ASSOCIATES LTD.
EDMONTON, ALBERTA

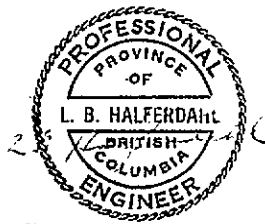
Fig. 1: Location Map

PEACE RIVER CANYON PROPERTIES

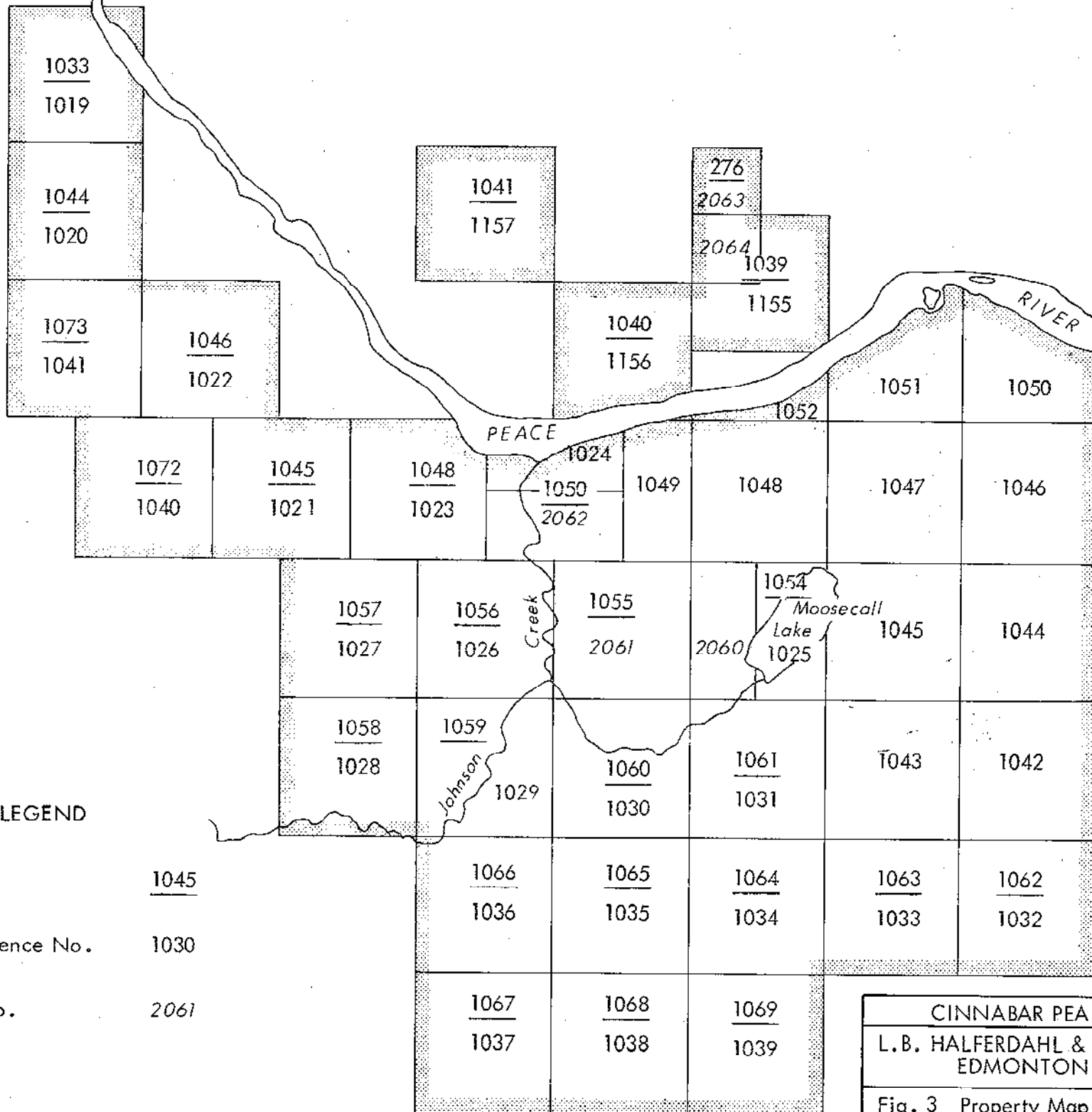


Drawn: LBH

August, 1972



Expiry Date: August 5, 1973



LEGEND

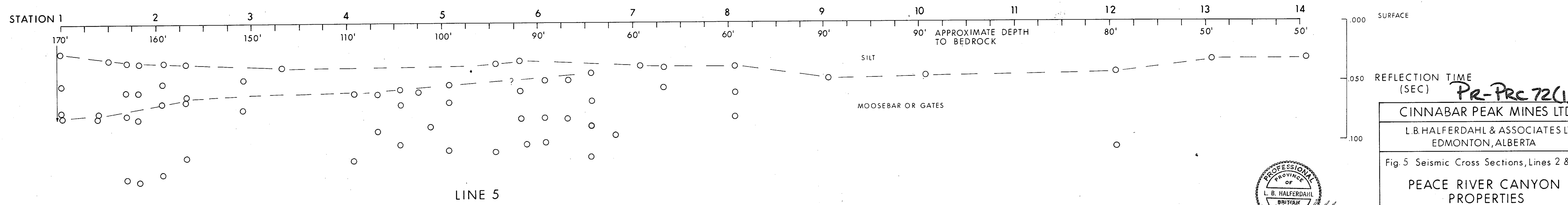
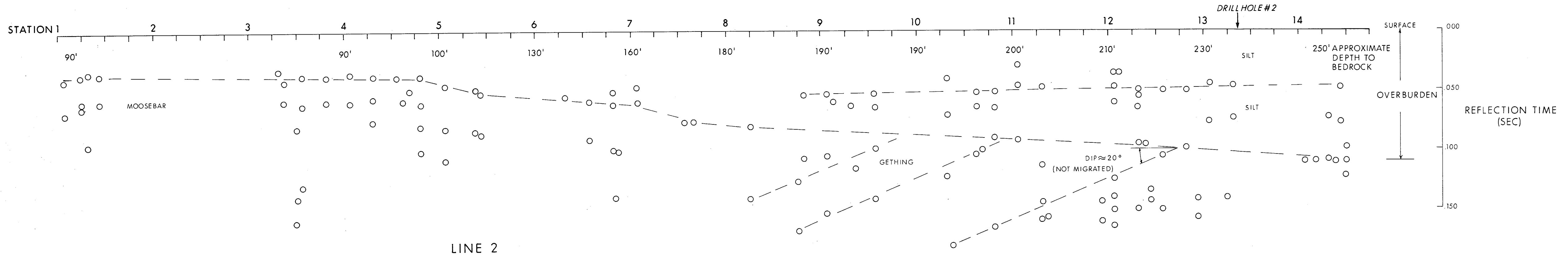
Lot No. 1045
Coal Licence No. 1030
Lease No. 2061



Expiry Date: August 5, 1973

CINNABAR PEAK MINES LTD.	
L. B. HALFERDAHL & ASSOCIATES LTD. EDMONTON, ALBERTA	
Fig. 3 Property Map PEACE RIVER CANYON PROPERTIES	
 SCALE IN MILES	
Drawn: GVD	August, 1972

PR-PRC 72(1) B



Pr-PrC 72(1)B

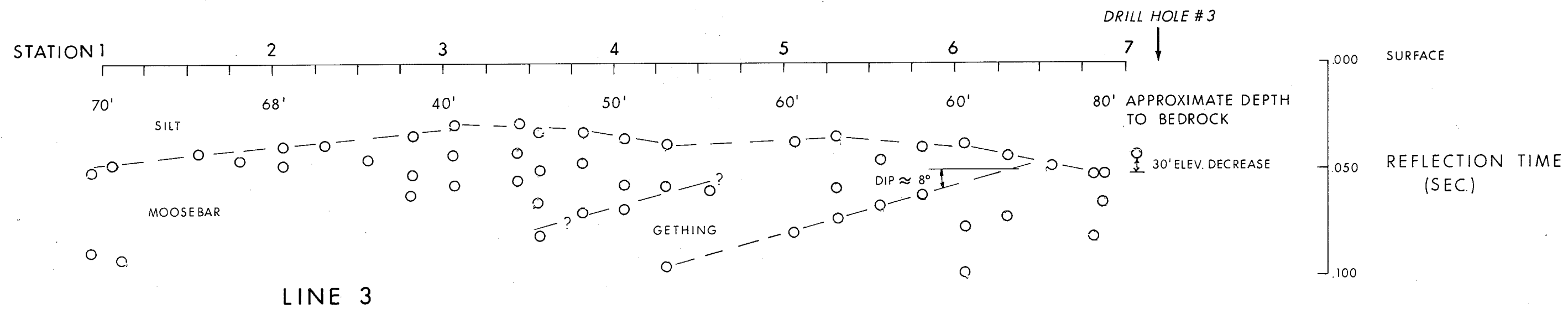
CINNABAR PEAK MINES LTD.
 L.B. HALFERDAHL & ASSOCIATES LTD.
 EDMONTON, ALBERTA

Fig. 5 Seismic Cross Sections, Lines 2 & 5

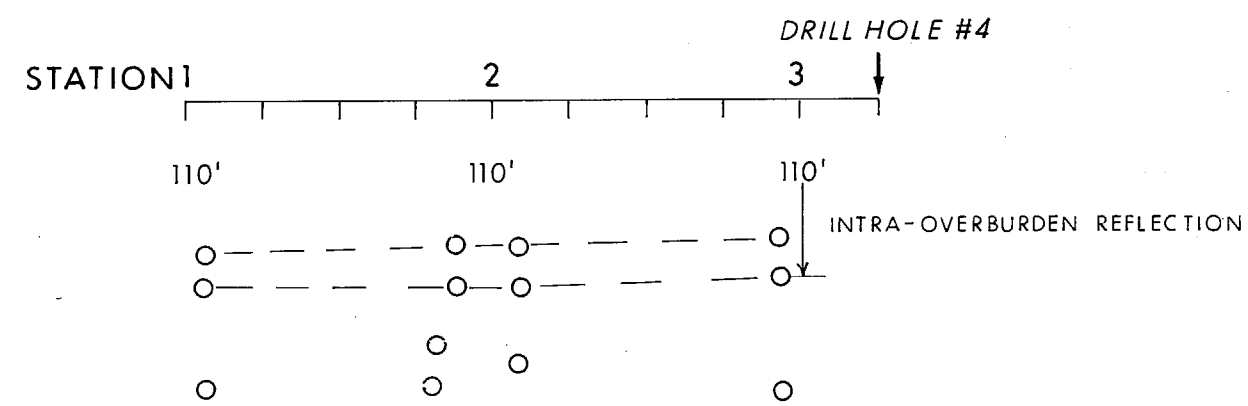
**PEACE RIVER CANYON
 PROPERTIES**

0 250 500 750
 HOR SCALE IN FEET

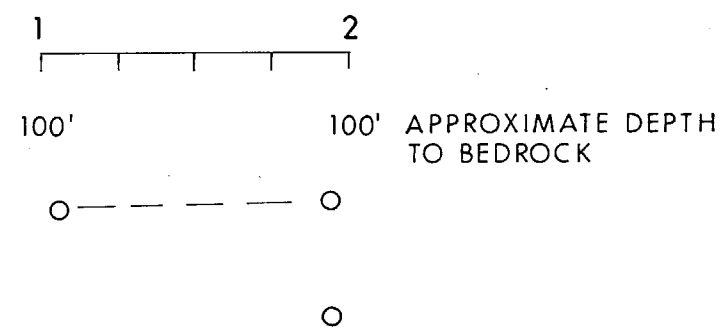
DRAWN: K.R. AUG '72



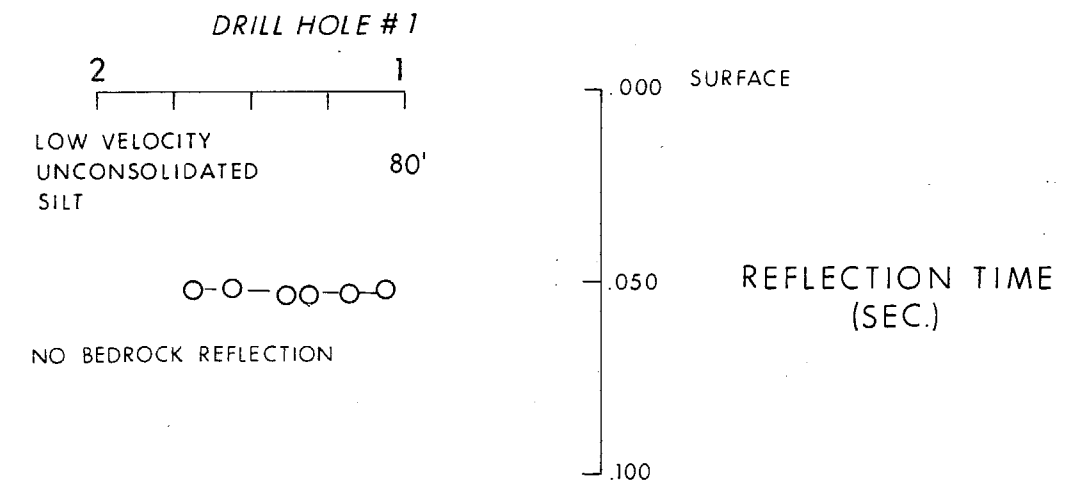
LINE 3



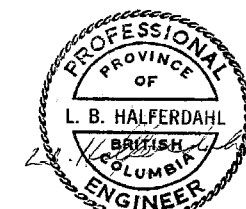
LINE 4



LINE 4A



LINE 1



Expiry Date: August 5, 1973

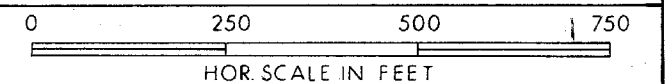
PR-PR 72(1)B

CINNABAR PEAK MINES LTD.

L. B. HALFERDAHL & ASSOCIATES LTD.
EDMONTON, ALBERTA

Fig. 4 Seismic Cross Sections, Lines 1, 3, 4 & 4A

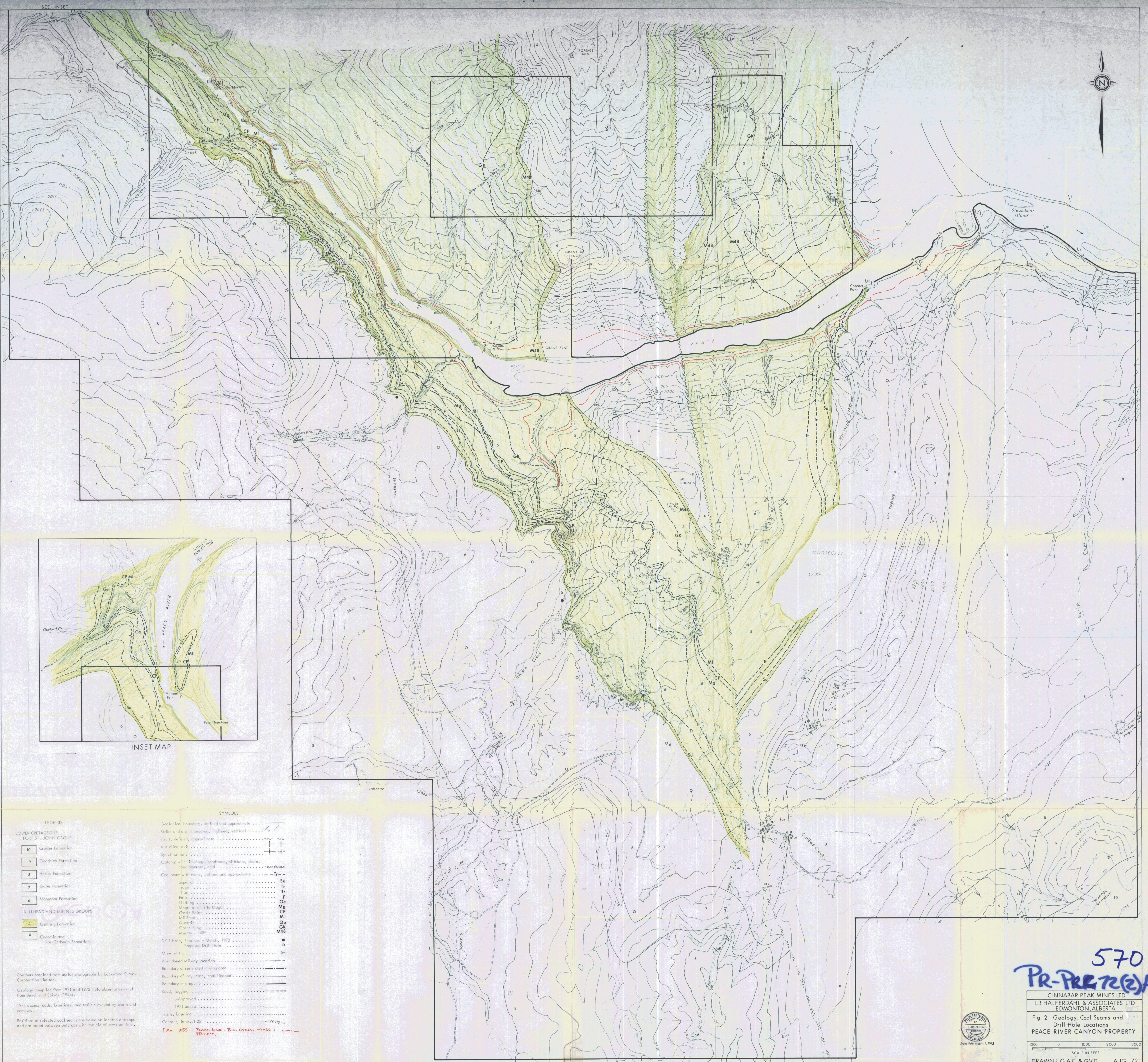
PEACE RIVER CANYON
PROPERTIES



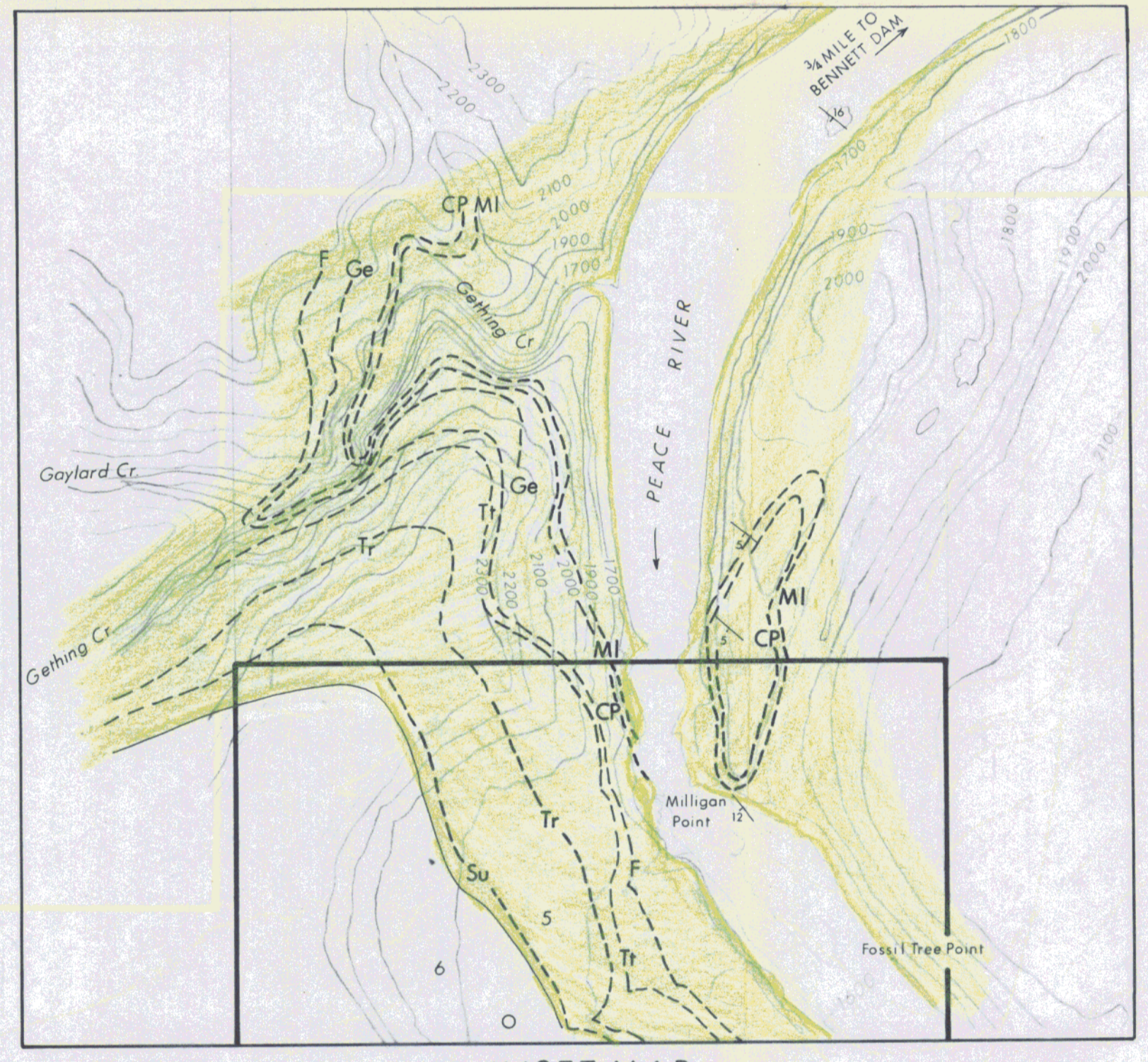
DRAWN: K.R.

AUG '72

PR-PEACE RIVER CANYON 72(2)A
CINNABAR PEAK MINES LTD.



SEE INSET



INSET MAP

- LEGEND**
- LOWER CRETACEOUS**
FORT ST. JOHN GROUP
- 10 Gröser Formation
 - 9 Geordich Formation
 - 8 Haxley Formation
 - 7 Giles Formation
 - 6 Moosebar Formation
- BULLHEAD AND MINNES GROUPS**
- 5 Geffling Formation
 - 4 Cadomin and Pre-Cadomin Formations

- SYMBOLS**
- Geological boundary, defined and approximate
 - Strike and dip of bedding, bedded, vertical
 - Fault, defined, approximate
 - Anticlinal axis
 - Synclinal axis
 - Outcrop with lithology, sandstone, siltstone, shale, conglomerate, coal
 - Coal seam with name, defined and approximate
 - Superior
 - Titan
 - Falls
 - Geffling
 - Mogul and Little Mogul
 - Castle Point
 - Milligan
 - Quentin
 - Grant-King
 - Murray - "48"
 - Drill Hole, February - March, 1972
 - Proposed Drill Hole
 - Mine shaft
 - Abandoned railway location
 - Boundary of restricted mining area
 - Boundary of lot, lease, coal licence
 - Boundary of property
 - Road, logging
 - unimproved
 - 1971 access
 - Trails, baseline
 - Contour, Interval 25'
 - Elev. 1855 - Flood Line - B.C. Hydro Phase 1 Project

Contours obtained from aerial photographs by Lockheed Survey Corporation Limited.

Geology compiled from 1971 and 1972 field observations and from Beach and Spivok (1944).

1971 access roads, baselines, and trails surveyed by chain and compass.

Positions of selected coal seams are based on located outcrops and projected between outcrops with the aid of cross sections.

570
 PR-PR-72(2A)

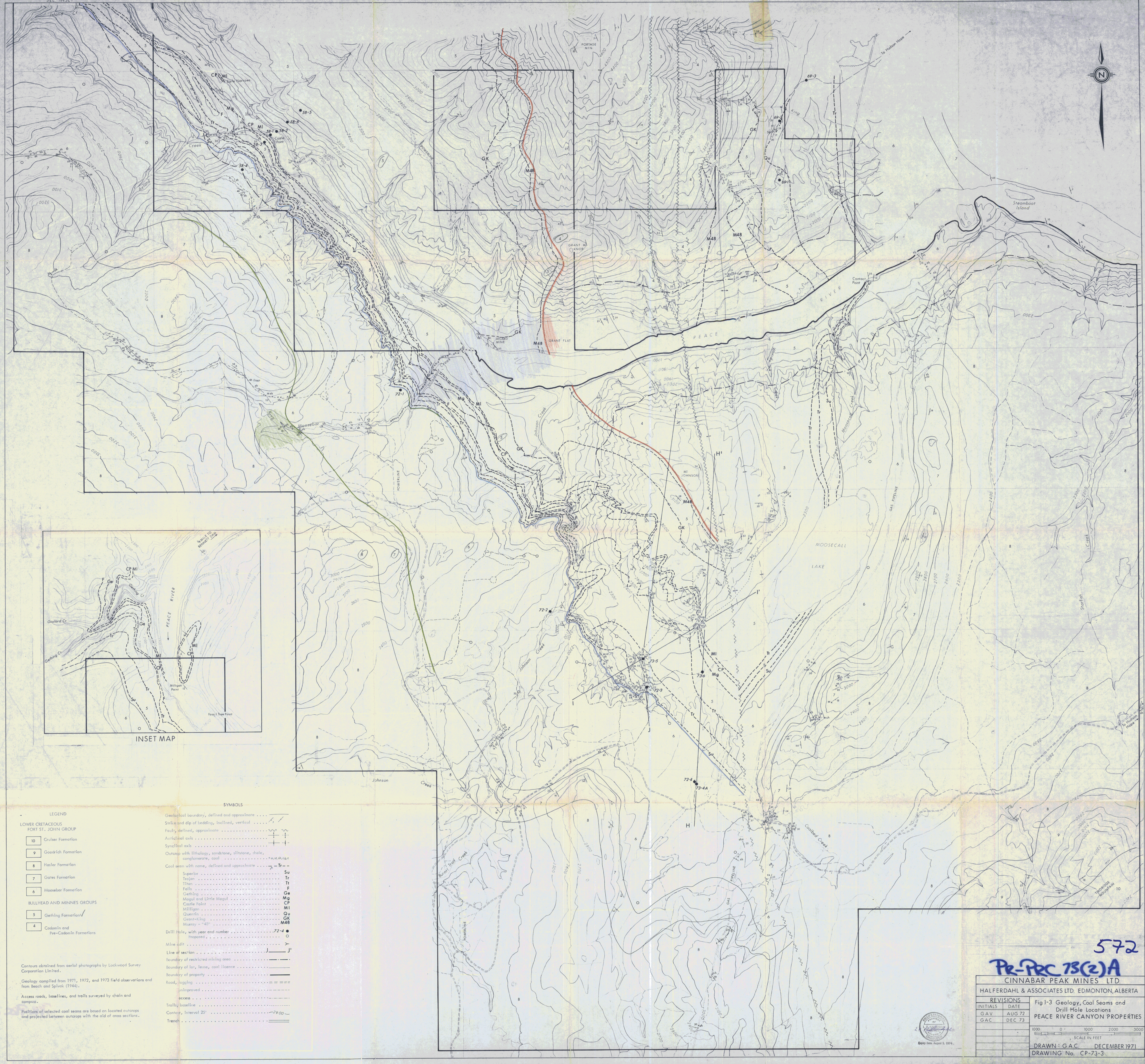
CINNABAR PEAK MINES LTD.
 L.B. HALFERDAHL & ASSOCIATES LTD.
 EDMONTON, ALBERTA

Fig. 2 Geology, Coal Seams and Drill Hole Locations
 PEACE RIVER CANYON PROPERTY

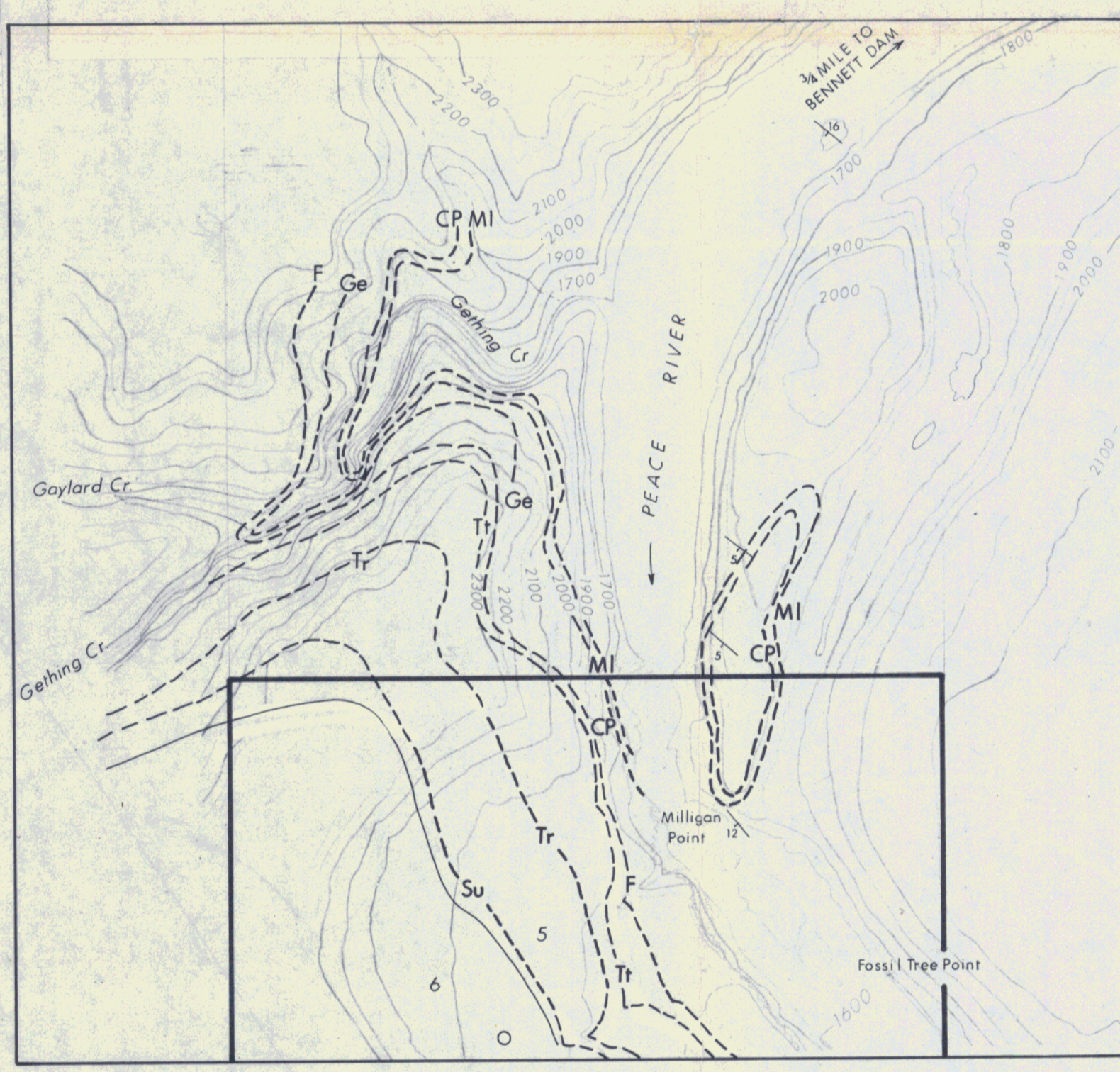
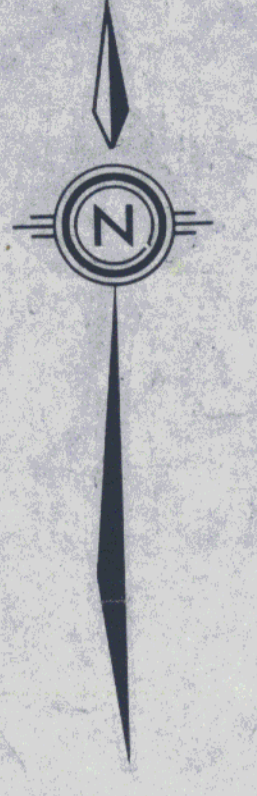
SCALE IN FEET
 0 1000 2000 3000
 DRAWN: G.A.C. & G.W.D. AUG '72



Expire Date August 5, 1972



SEE INSET



INSET MAP

- LEGEND**
- LOWER CRETACEOUS FORT ST. JOHN GROUP**
- 10 Cruiser Formation
 - 9 Goodrich Formation
 - 8 Hasler Formation
 - 7 Gates Formation
- BULLHEAD AND MINNES GROUPS**
- 6 Moosecall Formation
 - 5 Gething Formation
 - 4 Cadomin and Pre-Cadomin Formations

- SYMBOLS**
- Geological boundary, defined and approximate
 - Strike and dip of bedding, inclined, vertical
 - Fault, defined, approximate
 - Artificial axis
 - Synthetic axis
 - Outcrop with lithology, sandstone, siltstone, shale, conglomerate, coal
 - Coal seam with name, defined and approximate
 - Superior
 - Trojan
 - Titan
 - Falls
 - Gething
 - Mogul and Little Mogul
 - Castle Point
 - Milligan
 - Quamish
 - Granting
 - Murray - "48"
 - Drill hole, with year and number proposed
 - Mine adit
 - Line of section
 - Boundary of restricted mining area
 - Boundary of lot, lease, coal licence
 - Boundary of property
 - Road, logging
 - unimproved
 - access
 - Trails, baseline
 - Contour, Interval 25'
 - Trench

Contours obtained from aerial photographs by Lockwood Survey Corporation Limited.

Geology compiled from 1971, 1972, and 1973 field observations and from Beach and Spivak (1944).

Access roads, baselines, and trails surveyed by chain and compass.

Positions of selected coal seams are based on located outcrops and projected between outcrops with the aid of cross sections.

572

PR-PRC 73(2)A

CINNABAR PEAK MINES LTD.

HALFERDAHL & ASSOCIATES LTD. EDMONTON, ALBERTA

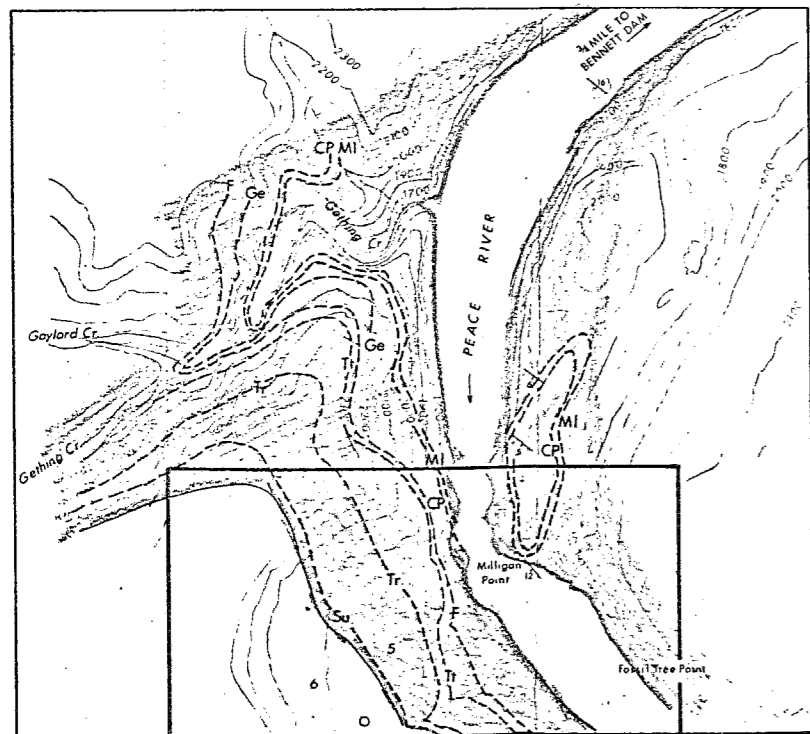
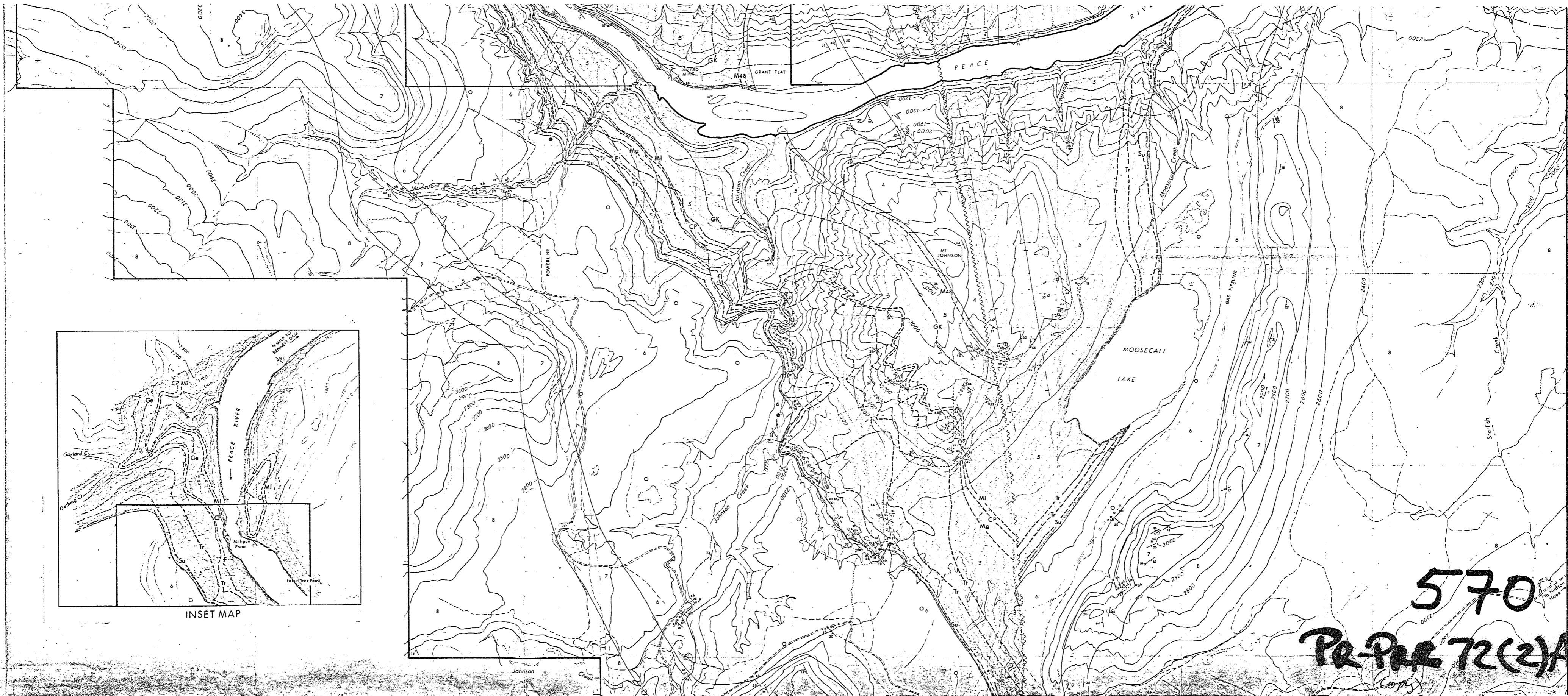
REVISIONS	
INITIALS	DATE
GAV	AUG 72
GAC	DEC 73

Fig 1-3 Geology, Coal Seams and Drill Hole Locations
PEACE RIVER CANYON PROPERTIES

1000 0 1000 2000 3000
SCALE IN FEET

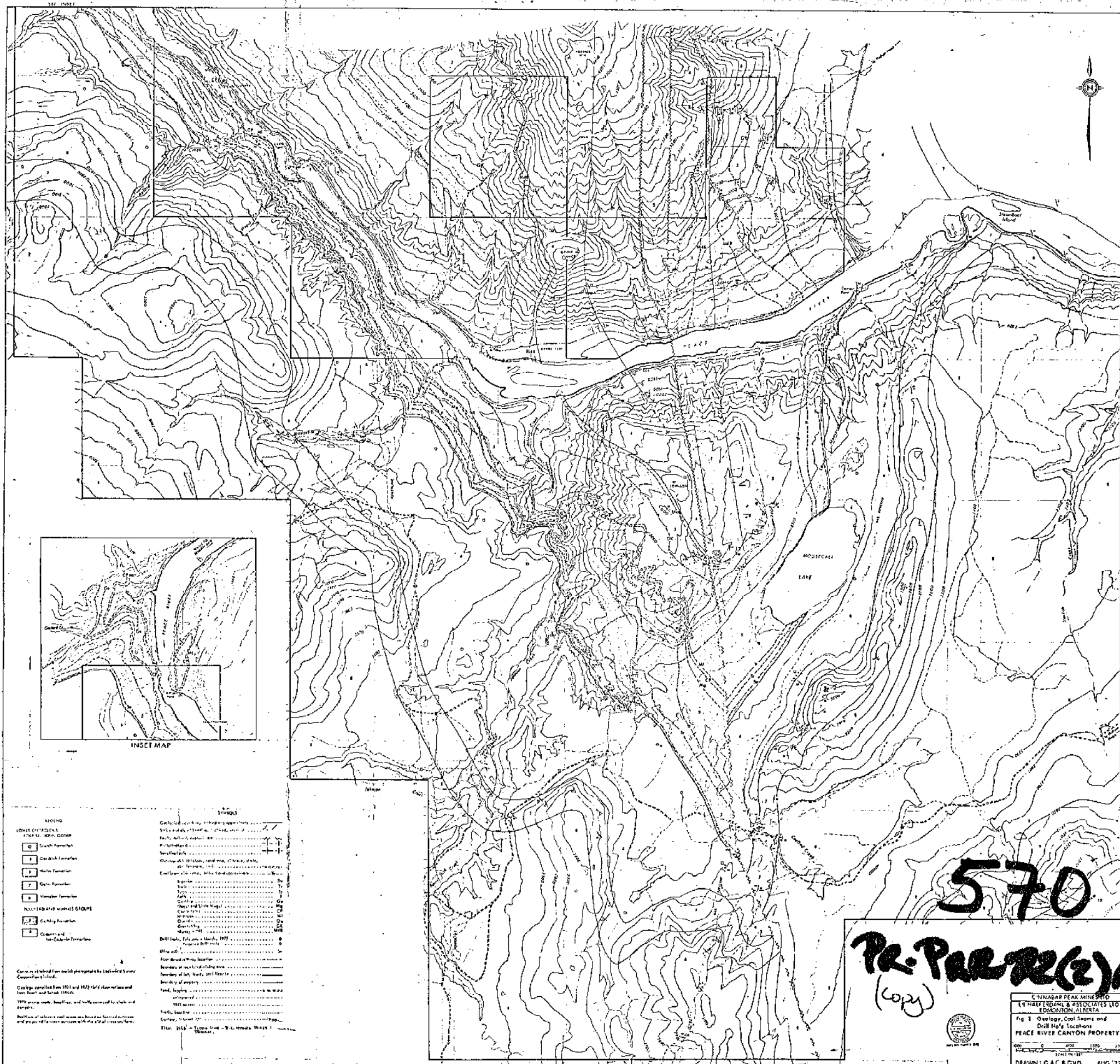
DRAWN: G.A.C. DECEMBER 1971
DRAWING No. CP-73-3

Empty Date August 9, 1974.



INSET MAP

570
PR-PAR 72(2)A
copy



- LEGEND**
- LOWER CRETACEOUS
- 101-102 1011, 1012, 1013
 - 103 1031 Formation
 - 104 1041 Formation
 - 105 1051 Formation
 - 106 1061 Formation
 - 107 1071 Formation
 - 108 1081 Formation
 - 109 1091 Formation
- 110-119 (110-119) (110-119) (110-119) (110-119) (110-119) (110-119) (110-119) (110-119) (110-119) (110-119)
- 120 1201 Formation
 - 121 1211 Formation

- SYMBOLS**
- Contour lines, including approximate
 - Spot heights, contours, etc.
 - Boundary of town, village, etc.
 - Boundary of property
 - Peak, height
 - Trail, location
 - Corridor, location
 - Flow, 1:12.5 - 1:25000

Contours obtained from aerial photographs by the United States Geological Survey, Columbia, S.C.

Geology compiled from 1911 and 1912 field observations and from 1913 and 1914 maps.

1913 aerial photo, location, and scale corrected by field and maps.

Position of surface and subsurface features based on field notes and previous to these surveys with a 1:25000 scale.

570

PR-PART 2 (2)A

(copy)



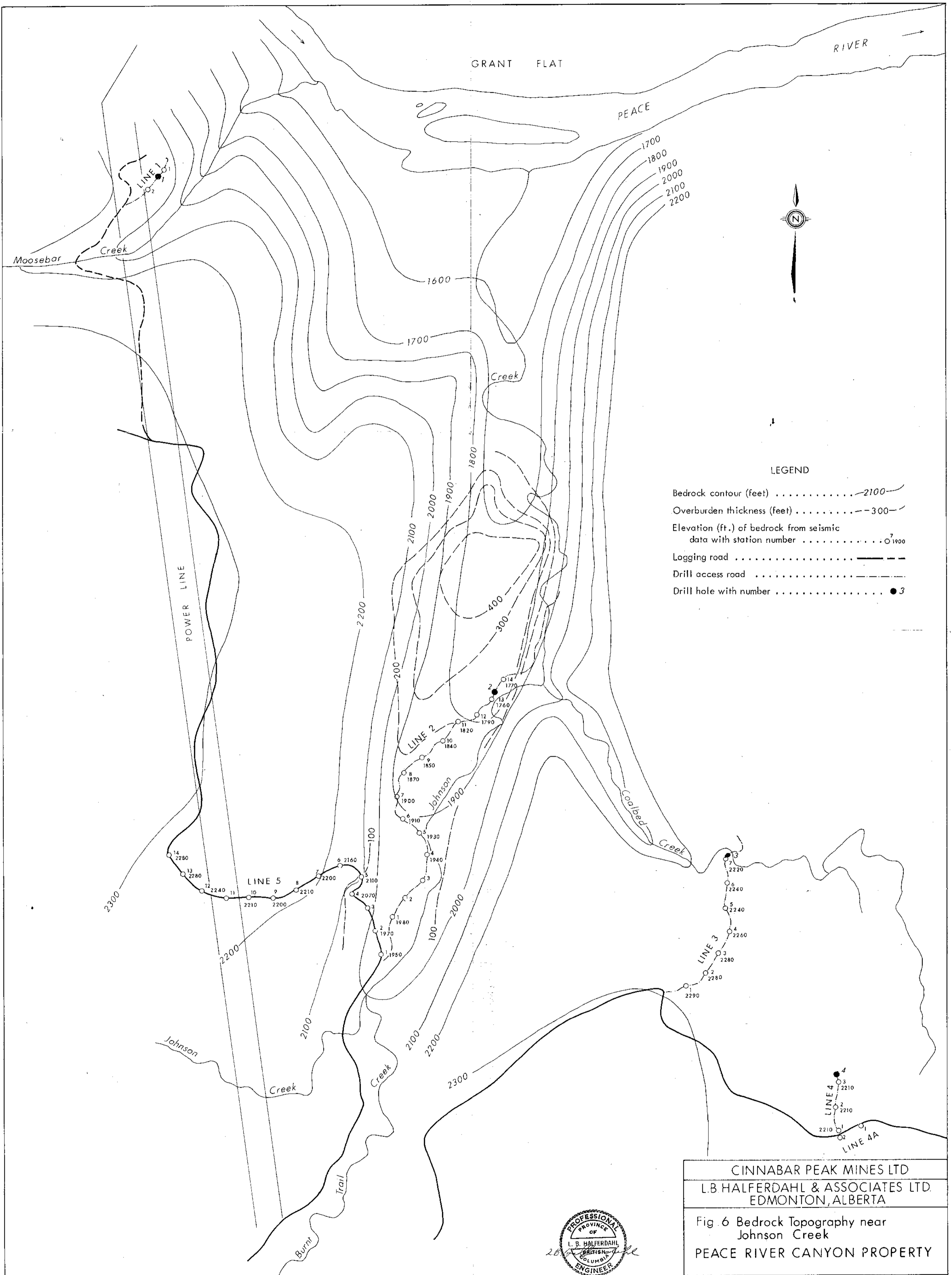
CINNABAR PEAK MINES LTD
 10 HALE ROAD & ASSOCIATES LTD
 EDMONTON, ALBERTA

Fig. 1 Geology, Coal Seams and
 Drill Hole Locations
 PEACE RIVER CANYON PROPERTY

SCALE 1:25000

DATE 1972

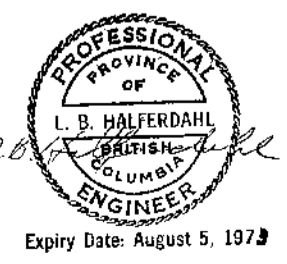
DRAWN: G.A.C. & G.V.D. AUG '72



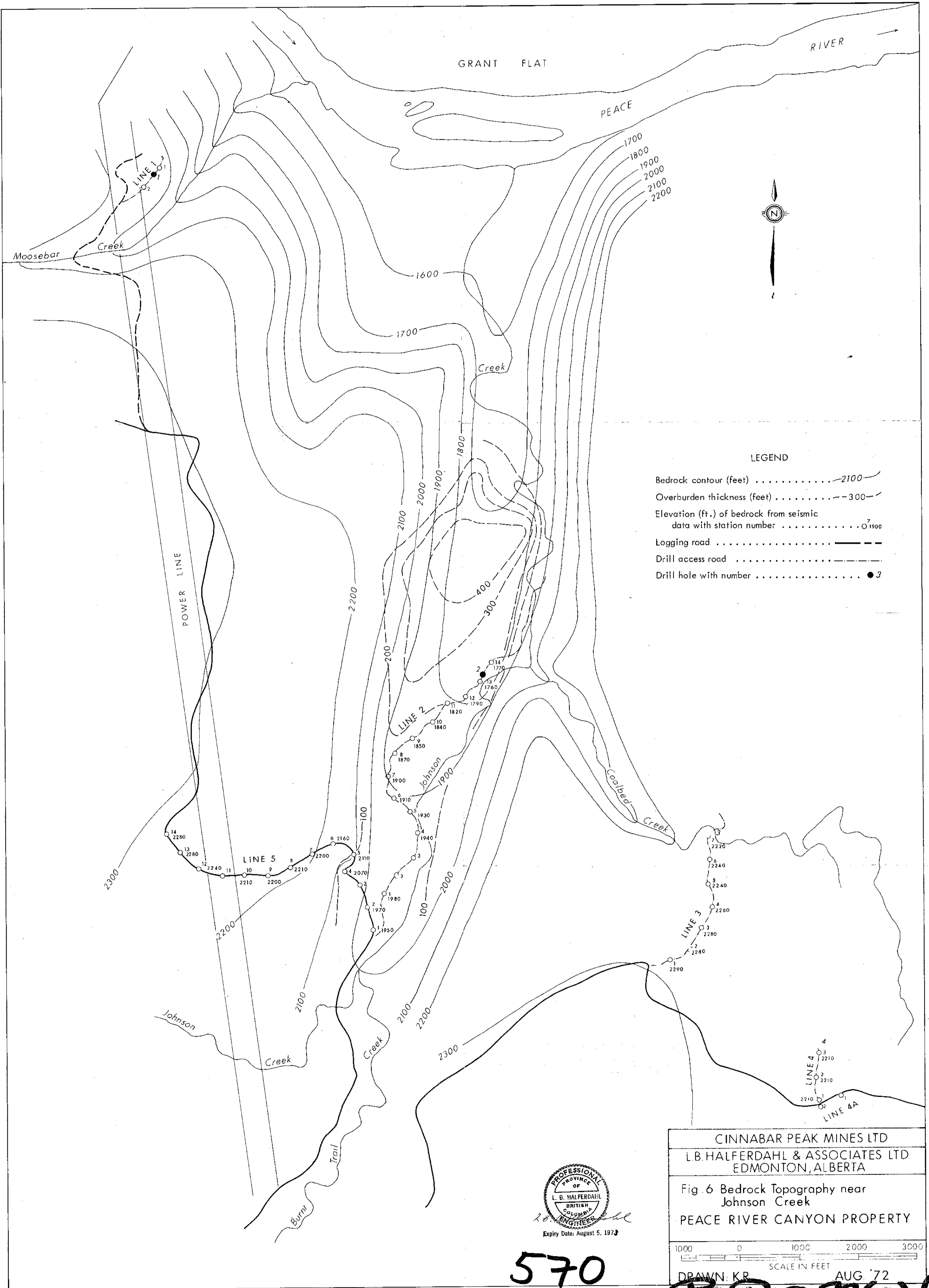
LEGEND

- Bedrock contour (feet) 2100
- Overburden thickness (feet) 300
- Elevation (ft.) of bedrock from seismic data with station number 7 1900
- Logging road - - - - -
- Drill access road - - - - -
- Drill hole with number ● 3

CINNABAR PEAK MINES LTD	
L.B HALFERDAHL & ASSOCIATES LTD. EDMONTON, ALBERTA	
Fig 6 Bedrock Topography near Johnson Creek PEACE RIVER CANYON PROPERTY	
<p>SCALE IN FEET</p>	
DRAWN: K.R.	AUG. '72



570



LEGEND

- Bedrock contour (feet) 2100
- Overburden thickness (feet) 300
- Elevation (ft.) of bedrock from seismic data with station number 7 1900
- Logging road ———
- Drill access road - - - - -
- Drill hole with number ● 3

CINNABAR PEAK MINES LTD	
L.B. HALFERDAHL & ASSOCIATES LTD EDMONTON, ALBERTA	
Fig. 6 Bedrock Topography near Johnson Creek	
PEACE RIVER CANYON PROPERTY	
1000 0 1000 2000 3000	SCALE IN FEET
DRAWN: K.R.	AUG '72



570

TR-PRR 72(2)A

PR - PEACE RIVER CANYON 72(4)A

COAL ANALYSIS

CONFIDENTIAL

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

00-570

FR - Peace River Canyon 72(17A)

CINNABAR PEAK MINES LTD.

1972 WINTER DRILLING PROJECT

ON

PEACE RIVER CANYON COAL PROPERTIES

NORTHEASTERN BRITISH COLUMBIA

Geographic Coordinates

55° 56' N

122° 8' W

NTS Sheet 93O/16E

CONFIDENTIAL

by

G. A. VAN DYCK, B.Sc.

May 17, 1972

L.B. Halferdahl & Associates Ltd.
401 - 10049 Jasper Avenue
Edmonton, Alberta
T5J 1T7

Analyses of Coal

The samples of coal obtained for analyses consisted of cuttings from some seams and cores from others. As the coal cuttings were contaminated with rock cuttings, they were separated at a specific gravity of 1.50 with only the floats being analyzed for inherent moisture, ash, and free swelling index (Table 4). Core samples were crushed and sized into +100 mesh and -100 mesh fractions, which were then analyzed (Table 2). A composite sample of the +100 mesh fractions from the three benches of the Trojan Seam at Coalbed Creek, fractions from this composite sample separated at three specific gravities, and gravity fractions of the +100 mesh size fraction of the Superior Seam at Moosebar Creek were similarly analyzed (Table 3).

The analytical results show that the free swelling indexes of the +100 mesh fractions of the raw coal from the three benches of the Trojan Seam at the Coalbed Creek drill site range from 4 for the top to 8 for the two lower benches, similar to results obtained for the upper and lower benches at the outcrop of the Trojan Seam $\frac{1}{2}$ mile northwest. The free swelling index for the +100 mesh fractions of a composite sample of the three benches improves from $4\frac{1}{2}$ for the raw coal to $6\frac{1}{2}$ or 7 depending on the specific gravity of the fraction analyzed. Faulting of the Trojan Seam at Moosebar Creek is believed responsible for its low free swelling index and high ash content there. Sink-float tests on the composite sample of the Trojan Seam at the Coalbed Creek drill hole show yields from 80 to 87 per cent on the parts of the seam analyzed but calculations show these are reduced to 59 to 64 per cent when the partings are included. The ash content on the composite sample ranges from 3.7 to 5.3 per cent with sulfur in the range 0.43 to 0.67 per cent.

The +100 mesh fraction of the Superior Seam at Moosebar Creek has a free swelling index of $4\frac{1}{2}$ and an ash content of 34.6 per cent. The free swelling index is improved to $6\frac{1}{2}$ and the ash reduced to 6.0 per cent in the float fraction at a specific gravity of 1.50.

TABLE 2: ANALYSES OF RAW COAL FROM DRILL CORES

	Footage (stratigraphic)	Sampled Interval (inches)	Size Fraction	Weight %	Ash	F.S.I.
<u>Moosebar Creek</u>						
Superior Seam	179.8 - 183.3	42	+100	90.09	34.56	4½
			-100	9.91	52.98	2
Trojan Seam	262.8 - 285.2	43	+100	90.62	73.77	N.A.
			-100	9.38	62.72	1
15 Feet Below Trojan Seam	282.0 - 285.2	38½	+100	91.50	72.43	N.A.*
			-100	8.50	77.09	N.A.*
<u>Coalbed Creek, Trojan Seam</u>						
Top Bench	110.8 - 115.7	57	+100	95.05	15.45	4
			-100	4.95	28.89	2½
Middle Bench	116.2 - 117.9	20	+100	93.23	3.69	8
			-100	6.77	31.86	5
Bottom Bench	119.3 - 121.6	28	+100	92.74	17.67	8
			-100	7.26	26.97	6½

+100 MESH FRACTIONS

	Footage (stratigraphic)	Residual Moisture	Volatile Matter	Fixed Carbon	S	B.T.U. per lb.
<u>Moosebar Creek</u>						
Superior Seam	179.8 - 183.3	0.54	30.94	33.96	0.46	8,800
<u>Coalbed Creek, Trojan Seam</u>						
Top Bench	110.8 - 115.7	0.68	24.05	59.82	0.45	12,480
Middle Bench	116.2 - 117.9	0.62	31.44	64.25	0.43	14,890
Bottom Bench	119.3 - 121.6	0.59	26.81	54.93	0.67	12,550

*Cuttings

TABLE 3: ANALYSES OF +100 MESH SPECIFIC GRAVITY FRACTIONS
FROM DRILL CORES

Sp. Gr.	Yield	Ash	Volatile Matter	Residual Moisture	F.S.I.
<u>Trojan Seam, Coalbed Creek Drill Hole, Composite Sample *</u>					
-1.40	59.58	3.69	27.82	0.60	7
-1.50	62.97	4.58	27.55	0.60	7
-1.60	64.70	5.27	27.37	0.60	6½
+1.60	100.00	35.82	25.83	0.59	4½
<u>Superior Seam, Moosebar Creek Drill Hole</u>					
-1.50	54.06	6.04	29.24	0.60	6½
+1.50	45.94	67.47	32.89	0.57	-
Total	100.00	34.26	30.94		

* Total seam thickness is 129½ inches. The values herein have been calculated from the analytical reports to include a 6-inch parting between the upper and middle benches and a 16-inch parting between the middle and lower benches. Both partings were not included in the analyzed material. The calculations were based on an average specific gravity of 1.44 for the coal and 2.40 for the partings. The percentages in each row apply to all the material at the specific gravity in that row.

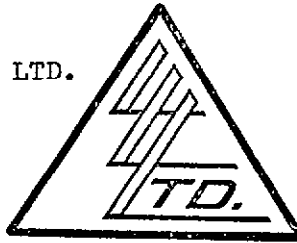
TABLE 4: ANALYSES OF +1.50 SPECIFIC GRAVITY FRACTIONS
FROM DRILL CUTTINGS

	Footage (stratigraphic)	Sampled Interval (inches)	Inherent Moisture	Ash	F.S.I.
<u>Moosebar Creek</u>					
Titan Seam	391.9 - 397.5	67	0.80	15.54	$\frac{1}{2}$
Falls Seam	439.4 - 441.7	$27\frac{1}{2}$	0.68	16.02	$\frac{1}{2}$
25 Feet Below Falls Seam	467.1 - 468.0	11	0.61	17.31	-
75 Feet Below Falls Seam	515.4 - 517.9	30	0.65	15.96	8
99 Feet Below Falls Seam	541.0 - 541.7	$8\frac{1}{2}$	0.51	11.80	8
<u>Coalbed Creek</u>					
46 Feet Below Moosebar Formation	24.0 - 24.7	$8\frac{1}{2}$	0.64	2.48	$5\frac{1}{2}^*$
$55\frac{1}{2}$ Feet Below Moosebar Formation	33.3 - 34.5	$9\frac{1}{2}$	0.66	11.09	9
63 Feet Below Moosebar Formation	40.7 - 41.9	14	0.61	12.23	8
78 Feet Below Moosebar Formation	55.5 - 56.6	$12\frac{1}{2}$	0.57	7.16	$8\frac{1}{2}$

* Core sample

Four seams, none of which exceeded 14 inches in thickness were intersected above the Trojan Seam at Coalbed Creek (Table 4) and have free swelling indexes ranging from $5\frac{1}{2}$ to 9. Two seams below the Falls Seam at Moosebar Creek have free swelling indexes of 8 (Table 4). Although 30 inches were sampled in one of these, the seam contains only $13\frac{1}{2}$ inches of coal (Fig. 4).

APPENDIX 2: REPORTS OF COAL ANALYSES

To: L. B. HALFERDAHL & ASSOCIATES LTD.401 Northgate Building10049 Jasper AvenueEdmonton, AlbertaFile No. 5233Date April 26, 1972Samples Coal

Certificate of
ASSAY of
LORING LABORATORIES LTD.

SAMPLE No.

SINK FLOAT ANALYSIS @ S.G. 1.50% FLOAT% SINK

	<u>% FLOAT</u>	<u>% SINK</u>
151	73.1	26.9
152	18.1	81.9
153	33.1	66.9
154	38.7	61.3
162	6.3	93.7
163	2.1	97.9
164	0.3	99.7
166	0.4	99.6
167	0.5	99.5

NOT SUFFICIENT SAMPLE FOR NO'S 159, 165

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

Rejects Retained one month.
Pulps Retained one month
unless specific arrangements
made in advance.

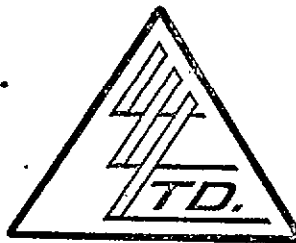
Licensed Assayer of British Columbia

To: L. B. HALFERDAHL & ASSOCIATES LTD.

401 Northgate Building

10049 - Jasper Avenue

Edmonton, Alberta



File No. 5233

Date April 26, 1972

Samples Coal

Certificate of
ASSAY of

LORING LABORATORIES LTD.

SAMPLE No.	INHERENT H ₂ O %	% ASH	F.S.I.
<u>ANALYSIS OF FLOATS</u>			
151	.64	2.48	5½
152	.66	11.09	9
153	.61	12.23	8
154	.57	7.16	8½
162	.80	15.54	½
163	.68	16.02	1½
164	.61	17.31	Not enough Float for FSI
166	.65	15.96	8
167	.51	11.80	8
<p>I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES</p>			

Rejects Retained one month.

Pulps Retained one month
unless specific arrangements
made in advance.

Licensed Assayer of British Columbia

L.B. Halferdahl & Associates Ltd.

Upper Trojan Seam, Coal Bed Creek
Tag #155 (114.4' - 119.3')

	<u>+ 100 Mesh</u>	<u>- 100 Mesh</u>
Weight, %	95.05	4.95
Ash, %	15.45	28.89
Volatile Matter, %	24.05	
Residual Moisture, %	0.68	
Fixed Carbon, %	59.82	
Free Swelling Index	4	2½
B.T.U./lb.	12,480	
Sulphur, %	0.45	

April 21, 1972

C.E.S. Sample #8

CYCLONE ENGINEERING SALES LTD.
Edmonton, Alberta, Canada

L.B. Halferdahl & Associates Ltd.

Middle Trojan Seam, Coal Bed Creek
Tag # 156 (119.85' - 121.5')

	<u>+ 100 Mesh</u>	<u>- 100 Mesh</u>
Weight, %	93.23	6.77
Ash, %	3.69	31.86
Volatile Matter, %	31.44	
Residual Moisture, %	0.62	
Fixed Carbon, %	64.25	
Free Swelling Index	8	5
B.T.U./lb.	14,890	
Sulphur, %	0.43	

April 21, 1972

C.E.S. Sample #9

CYCLONE ENGINEERING SALES LTD.
Edmonton, Alberta, Canada

L.B. Halferdahl & Associates Ltd.

Lower Trojan Seam, Coal Bed Creek
Tag #157 (123' - 125.4')

	<u>+ 100 Mesh</u>	<u>- 100 Mesh</u>
Weight, %	92.74	7.26
Ash, %	17.67	26.97
Volatile Matter, %	26.81	
Residual Moisture, %	0.59	
Fixed Carbon, %	54.93	
Free Swelling Index	8	6½
B.T.U./lb.	12,550	
Sulphur, %	0.67	

April 21, 1972

C.E.S. Sample #10

CYCLONE ENGINEERING SALES LTD.
Edmonton, Alberta, Canada

H.B. Halferdahl & Associates Ltd.

Trojan Seam, Coal Bed Creek
Composite of Tags #155; #156 and #157

	<u>+ 100 Mesh</u>
Ash, %	13.88
Volatile Matter, %	26.05
Residual Moisture, %	0.61
Fixed Carbon, %	59.46
Free Swelling Index	4½

Float-Sink Analysis of + 100 Mesh.

Sp. Gr.	Wt. %	Ash %	V.M. %	R.M. %	Cum. F.S.I.
- 1.40	80.52	3.69	27.82	0.60	7
1.40 - 1.50	4.58	20.26	22.88	0.62	7
1.50 - 1.60	2.34	30.21	20.81	0.74	6½
+ 1.60	12.56	68.90	15.06	0.56	
Total	100.00	13.26	25.83		4½

April 21, 1972

C.E.S. Sample # 14

CYCLONE ENGINEERING SALES LTD.
Edmonton, Alberta, Canada

L.B. Halferdahl & Associates Ltd.

Superior Seam, Moose Bar Creek
Tag #158 (182' - 185.4')

	<u>+ 100 Mesh</u>	<u>- 100 Mesh</u>
Weight, %	90.09	9.91
Ash, %	34.56	52.98
Volatile Matter, %	30.94	
Residual Moisture, %	0.54	
Fixed Carbon, %	33.96	
Free Swelling Index	4½	2
B.T.U./lb.	8,800	
Sulphur, %	0.46	

Float-Sink Analysis of + 100 Mesh.

<u>Sp. Gr.</u>	<u>Wt. %</u>	<u>Ash %</u>	<u>V.M. %</u>	<u>R.M. %</u>	<u>F.S.I.</u>
- 1.50	54.06	6.04	29.24	0.60	6½
+ 1.50	45.94	67.47	32.89	0.57	
Total	100.00	34.26	30.92		

April 21, 1972

C.E.S. Sample #11

CYCLONE ENGINEERING SALES LTD.
Edmonton, Alberta, Canada

L.B. Halferdahl & Associates Ltd.

Trojan Seam, Moose Bar Creek
Tag #160 (247.2' - 249')

	<u>+ 100 Mesh</u>	<u>- 100 Mesh</u>
Weight, %	90.62	9.38
Ash, %	73.77	62.72
Free Swelling Index	N.A.	1

April 21, 1972

C.E.S. Sample #12

CYCLONE ENGINEERING SALES LTD.
Edmonton, Alberta, Canada

L.B. Halferdahl & Associates Ltd.

Coal Cuttings

Tag #161 (290.7' - 294')

	<u>+ 100 Mesh</u>	<u>- 100 Mesh</u>
Weight %	91.50	8.50
Ash, %	72.43	77.09
Free Swelling Index	N.A.	N.A.

April 21, 1972

C.E.S. Sample #13

CYCLONE ENGINEERING SALES LTD.
Edmonton, Alberta, Canada