

GEOPHYSICAL REPORT  
ON THE ~~78-#35~~-#6630  
CK MINERAL CLAIMS  
128° 23'W 58° 9'N  
LIARD MINING DIVISION

by  
G. Belik

CONWEST EXPLORATION COMPANY LIMITED

August 16 to August 24, 1977

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
<b>6630</b>
NO. _____

20/1/78

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GEOPHYSICAL REPORT  
ON THE  
CK MINERAL CLAIMS

INTRODUCTION

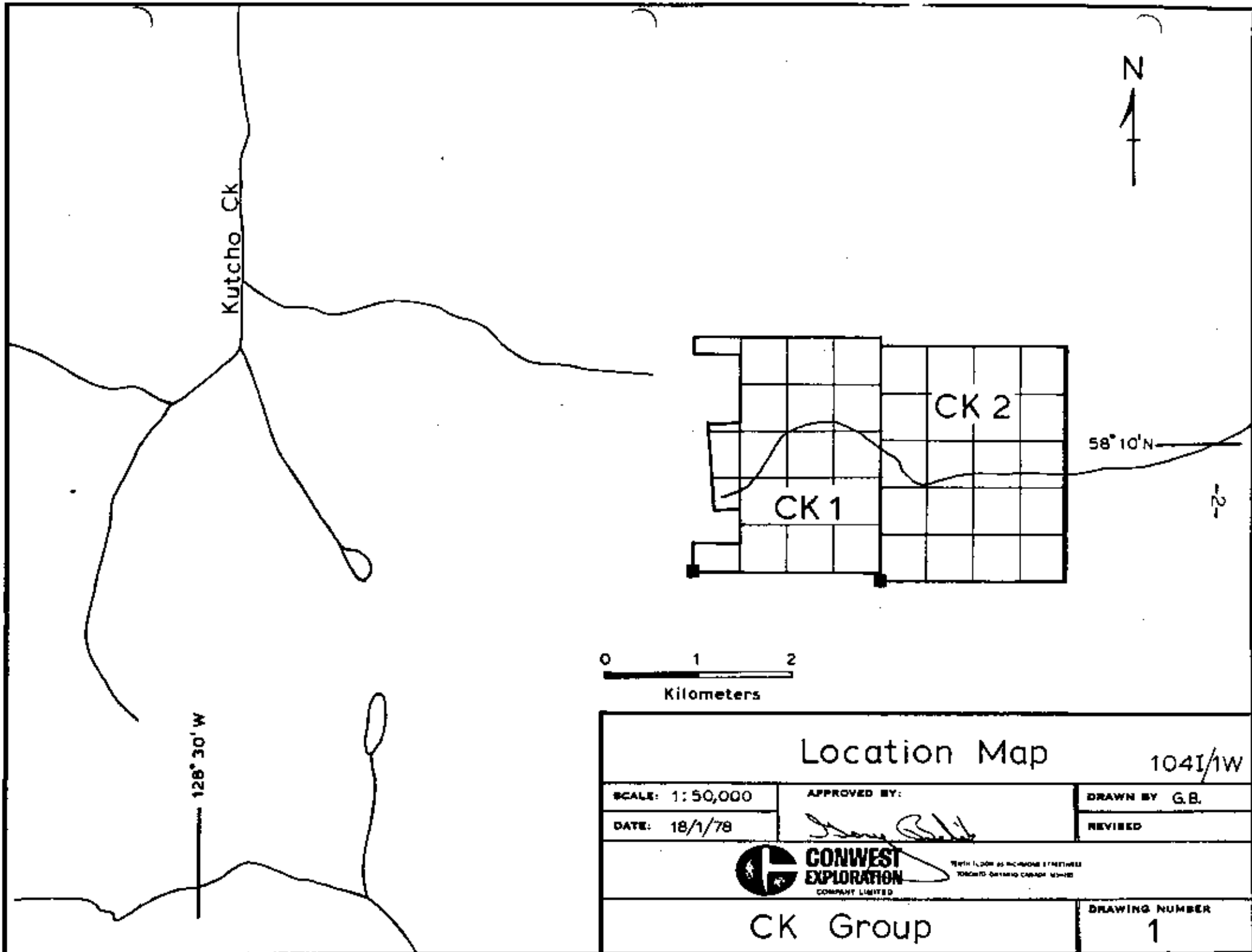
The CK Group, consisting of the CK #1 and CK #2 mineral claims, is underlain by metavolcanic and meta-sedimentary rocks of uncertain age. Within some of the volcanic units, disseminated pyrite, in amounts up to 20 percent by volume, with traces of chalcopyrite and sphalerite occur as tabular- to lenticular-shaped zones. 'Quartz-eye' sericite schist appears to be the best host for sulphide mineralization.

The host rocks are strongly deformed and exhibit a penetrative crenulation foliation which has an average east-west strike and a steep northerly dip.

During the period August 16 to August 24, 1977 part of the CK Group was surveyed with a Maxmin II, horizontal loop, EM system. A total of 13.5 kilometers of picket grid was prepared and surveyed.

Location and Accessibility

The CK claims are located within the Cry Lake Map-Area, northwestern B.C., approximately 24 km south of Rainbow Lakes. The city of Terrace is about 400 km to the south and the settlement of Dease Lake is located some 100 km to the west northwest.



The Stewart-Cassiar Highway provides road access to Dease Lake. Access to the property from Dease Lake is by helicopter.

#### Claims and Ownership

The CK #1 and CK #2 mineral claims, consisting of 20 units each, are owned by Conwest Exploration Company Limited, 85 Richmond St. West, Toronto, Ontario.

#### EM SURVEY

A horizontal loop EM survey using a Apex Parametrics Maxmin II system was undertaken on the CK claims during the period August 16 to August 24, 1977. The survey was carried out by traversing in a north-south direction on picket lines 183 meters apart. Frequencies of 444 Hz and 1777 Hz were utilized during most of the survey with all measurements recorded as percent strength of the primary field. Both quadrature (in-phase) and imaginary (out-of phase) components were measured. A receiver-transmitter separation of 183 meters was used throughout the survey.

The purpose of the survey was to delineate zones of conductivity within areas of inferred favorable geology. Such conductive zones may indicate the presence of sulphide concentrations.

#### Interpretation and Conclusions

None of the EM results are typical of good bedrock conductors such as graphitic zones or, of more particular interest, tabular sulphide-rich bodies. Four possible

weak bedrock conductors have been outlined on Fig 2 but such responses may reflect a thin veneer of weakly conductive overburden over bedrock ridges.

Since overburden generally is less than 5 meters and a large receiver-transmitter separation was used (183 m), it is believed that no significant conductors have been missed within the area surveyed.



Gary Belik

Geologist

CONWEST EXPLORATION COMPANY LIMITED

STATEMENT OF COST

PROJECT: CK

TYPE OF REPORT: GEOPHYSICAL

(a) Wages for period Aug. 16 to Aug. 24, 1977

G. Belik - 9 days at \$75 per day = \$675

F. Hodgkinson - 9 days at \$75 per day = \$675

D. Nadrofsky - 9 days at \$60 per day = \$540

K. Franklin - 9 days at \$25 per day = \$225

Total Wages 2,115.00

(b) Cost of Food and Accomodation

Employees: G. Belik, F. Hodgkinson, D. Nadrofsky  
K. Franklin

Number of days: 9

Dates: Aug. 16 to Aug. 24, 1977

Average cost per day: \$10 per man

Total cost 36 x \$10 360.00

(c) Cost of Support Aircraft

i Helicopter 1,155.00  
6.6 hrs. at \$175/hr.  
Fuel - 80.5 gal. at \$2.50/gal. 201.25

ii Fixed Wing 302.90  
466 mi. at \$0.65/mi.


(d) Cost of Report Preparation 200.00

Total 4,334.15

STATEMENT OF QUALIFICATION

I, Gary Belik of the Town of Smithers,  
Province of British Columbia do certify that:

1. I have been an employee of Conwest Exploration Company Limited since January 1977.
2. I am a graduate of the University of British Columbia with a Bachelor of Science Degree in Geology and a Master of Science Degree in Geology.
3. I am an Associate Fellow of the Geological Association of Canada and a member of the Canadian Institute of Mining and Metallurgy.
4. I have practiced my profession, as a geologist, since May 1970.

  
\_\_\_\_\_  
Gary Belik  
Regional Geologist  
Conwest Exploration  
Company, Limited



CERTIFICATE

I, Frank A. Hodgkinson, hereby certify:

1. That I am a Geological Technician, residing at 221 Audrey Avenue, Scarborough, Ontario.
2. That I received my Diploma in Exploration and Mining Technology from the Haileybury School of Mines, Haileybury, Ontario in 1954.
3. That I have been practicing my profession since 1954 and have been technically involved with Mining Exploration since 1954.
4. That I am a member of the Association of Professional Engineers of the Province of Ontario.
5. That I have been employed with International Mogul Mines Limited and the Conwest Exploration Company Limited, continuously, since 1965.
6. That I personally carried out the Max-Min electromagnetic survey assisted by Gary Belik during the month of August, 1977.

Frank A. Hodgkinson, P.Eng.

I, Caven Kelly O'Connor, hereby certify:

1. That I have known Frank A. Hodgkinson for three years.
2. That I have knowledge of the above and know them to be true.



Exploration and Development.

DATED this 19th day of January, 1978.

CLAIM BOUNDARY

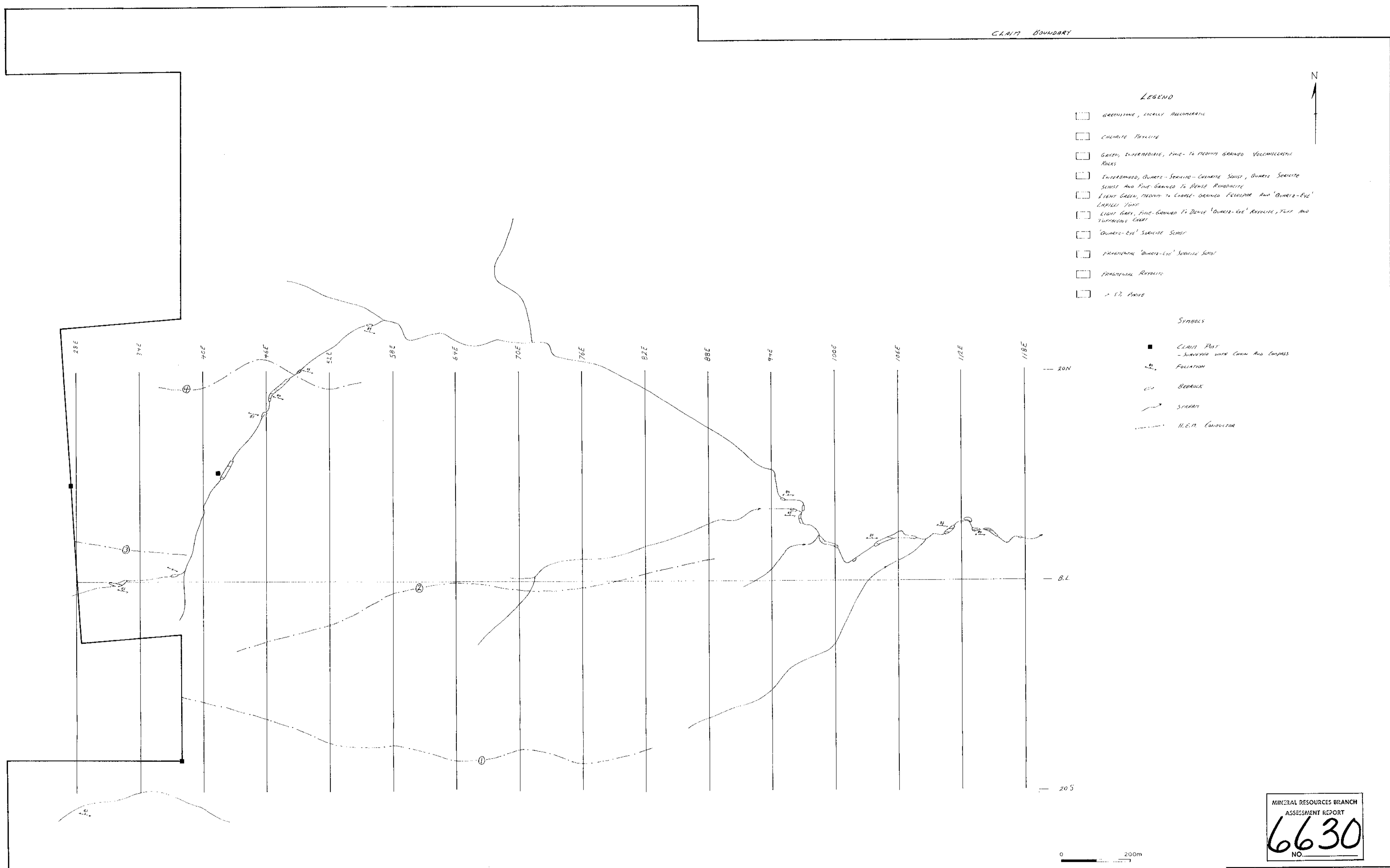


LEGEND

- GREENSTONE, LOCALLY ALGONQUIAN
- CHLORITE PHYLLITE
- GNEISS, INTERMEDIATE, FINE- TO MEDIUM-GRAINED VOLCANICLASTIC ROCKS
- INTERBEDDED, QUARTZ-SERICITE-CHLORITE SCHIST, QUARTZ-SERICITE SCHIST AND FINE-GRAINED TO DENSE AMPHIBOLITE
- LIGHT GREEN, MEDIUM- TO COARSE-GRAINED FELSIC AND 'QUARTZ-EYE' LAPILLI TUFF
- LIGHT GREY, FINE-GRAINED TO DENSE 'QUARTZ-EYE' RHYOLITE, TUFF AND TUFFACEOUS SAND
- 'QUARTZ-EYE' SERICITE SCHIST
- AMPHIBOLITE 'QUARTZ-EYE' SERICITE SCHIST
- PROTEROZOIC RHYOLITE
- S.E. ARROW

SYMBOLS

- CLAIM POST - SURVEYED WITH CHAIN AND COMPASS
- FOLIATION
- BEDROCK
- STREAM
- H.E.M. CONDUCTOR



MINERAL RESOURCES BRANCH  
ASSESSMENT REPORT  
**6630**  
NO.

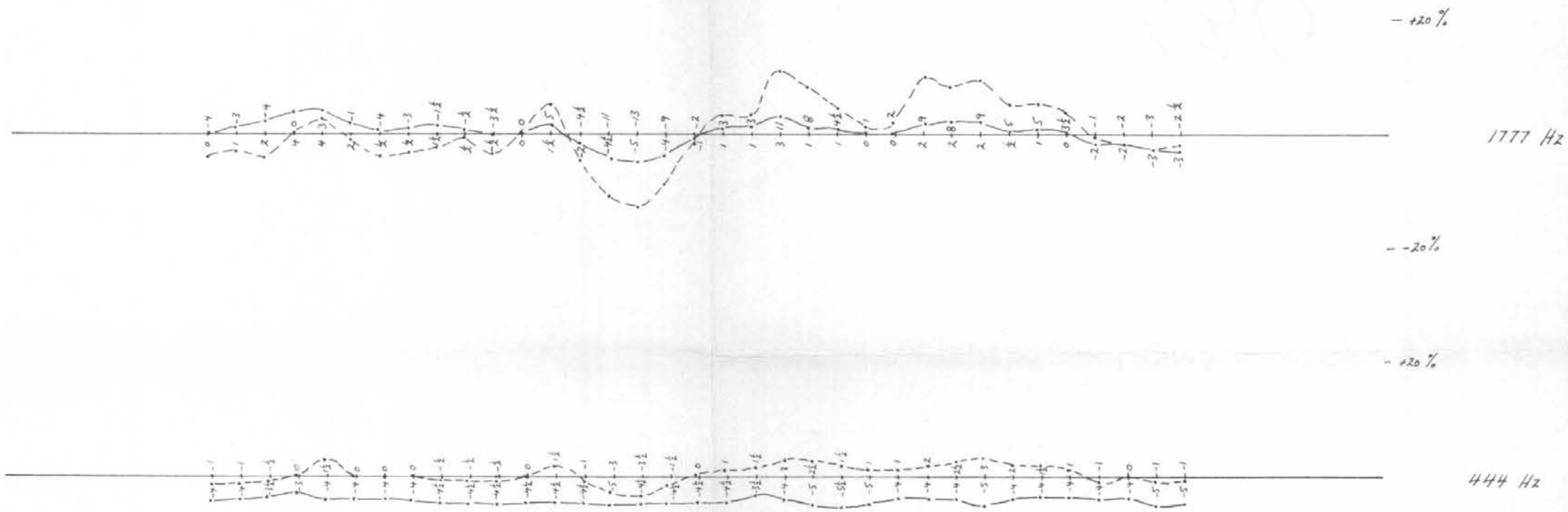
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SCALE: 1" = 400'	APPROVED BY:	DRAWN BY: G.B.	
DATE: 27/8/11		REVISED	
C.K. Group Ltd. GRID PLAN			
			DRAWING NUMBER <b>2</b>

LCP CK #1

CLAIM BOUNDARY

LCP CK #2

20N  
16N  
12N  
8N  
4N  
B.L.  
4S  
8S  
12S  
16S  
20S



+20%  
-20%  
+20%  
-20%

MINERAL RESOURCES BRANCH  
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Rx-Tx 600'

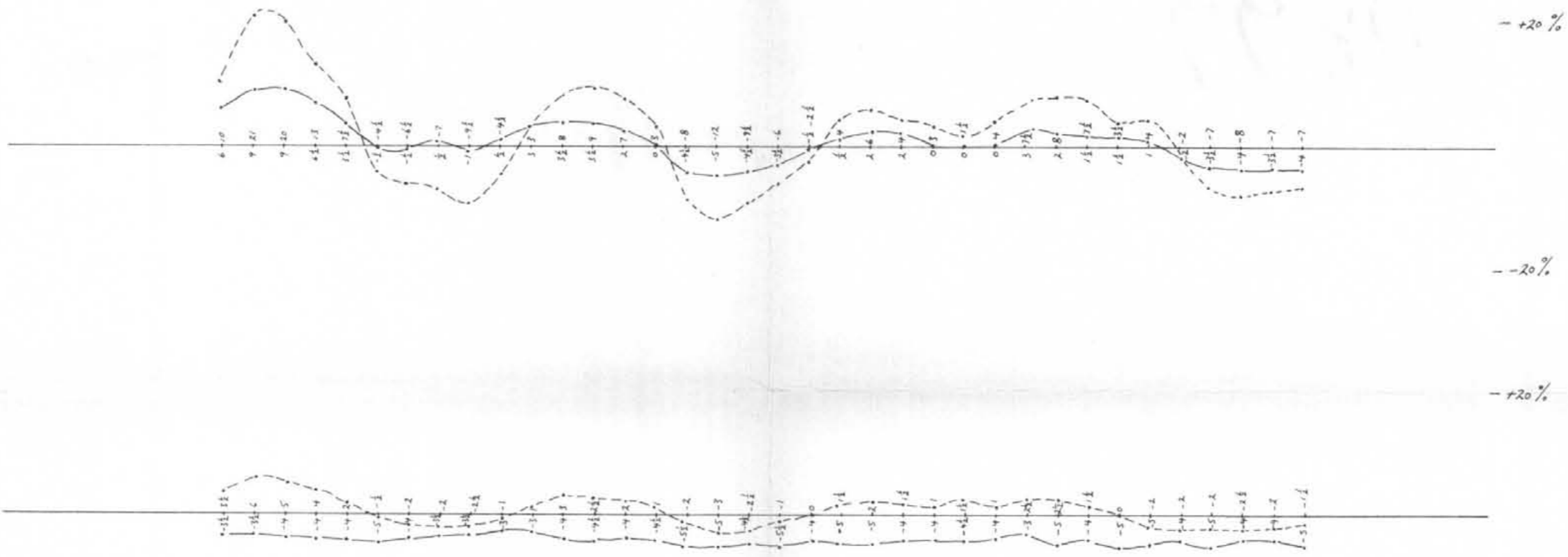
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- - - Q.P. PROFILE  
- - - Q.P. VALUE  
- - - I.P. VALUE



TENTH FLOOR 85 RICHMOND STREET WEST  
TORONTO ONTARIO CANADA M5H 2B1

SCALE: 1" = 400'	APPROVED BY: <i>[Signature]</i>	DRAWN BY G.B.
DATE: 27/8/77		REVISED
C.K. GROUP		H.E.M. SURVEY
LINE 88E		DRAWING NUMBER 3

- 20N  
- 16N  
- 12N  
- 8N  
- 4N  
- B.L.  
- 4S  
- 8S  
- 12S  
- 16S  
- 20S



1777 Hz

444 Hz

MINERAL RESOURCES BRANCH  
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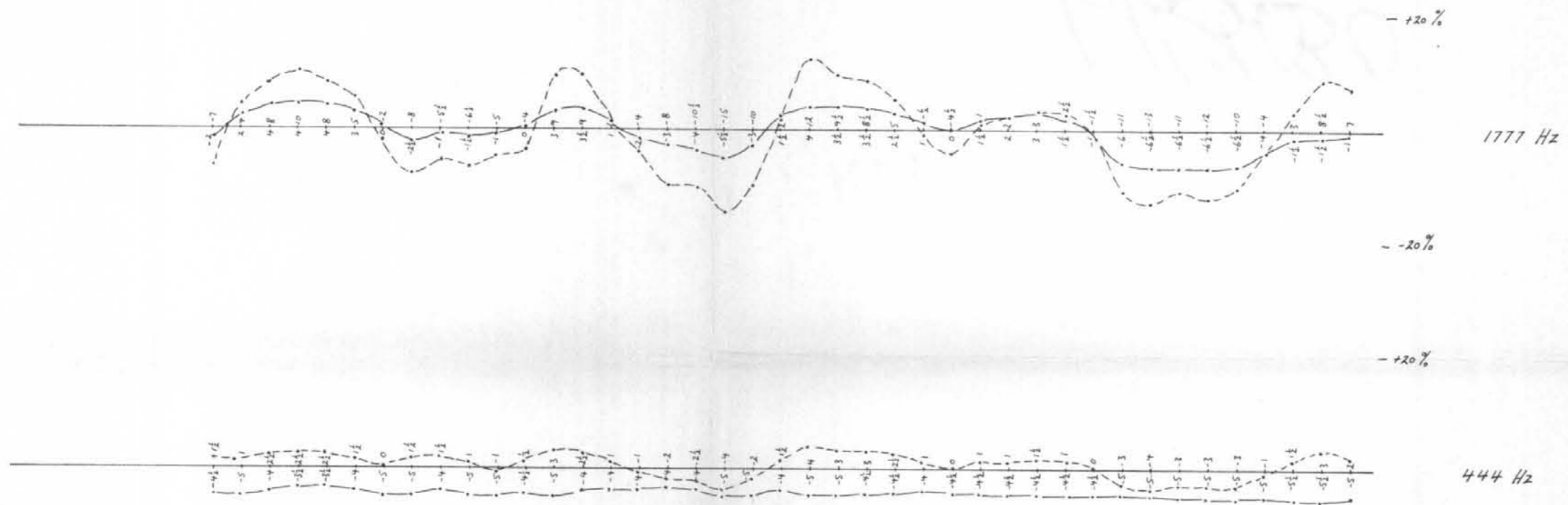


Rx - Tx 600'

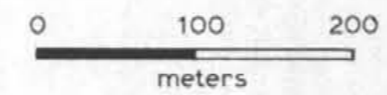
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+ - - - - G.P. VALUE  
- - - - - I.P. VALUE

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		SCALE: 1" = 400' DATE: 29/8/77	APPROVED BY: <i>Henry [Signature]</i>
C.K. GROUP		H.E.M. SURVEY	
LINE 82E		DRAWING NUMBER 4	

- 20N  
- 16N  
- 12N  
- 8N  
- 4N  
- B.L.  
- 4S  
- 8S  
- 12S  
- 16S  
- 20S



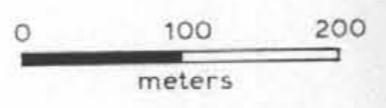
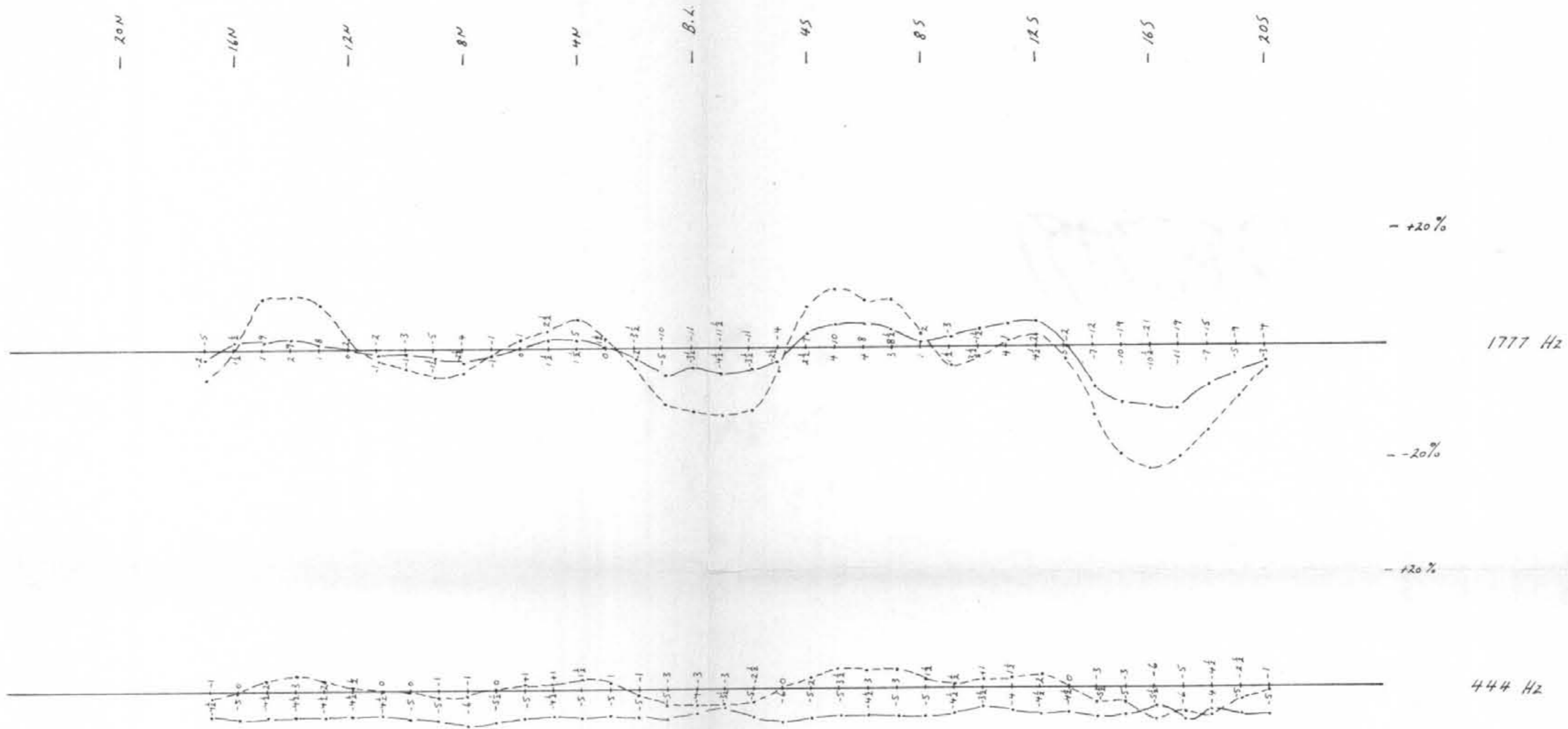
MINERAL RESOURCES BRANCH  
ASSESSMENT REPORT  
**6630**  
NO. \_\_\_\_\_



Rx - Tx 600'

--- I.P. PROFILE  
- - - - - Q.P. PROFILE  
- - - - - Q.P. VALUE  
- - - - - I.P. VALUE

		SEATH FLOOR 86 RICHMOND STREET WEST TORONTO, ONTARIO, CANADA M5H 3H1	
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DATE: 29/8/77		REVISED	
C.K. GROUP H.E.M. SURVEY			
LINE 76 E			DRAWING NUMBER 5



Rx-Tx 600'

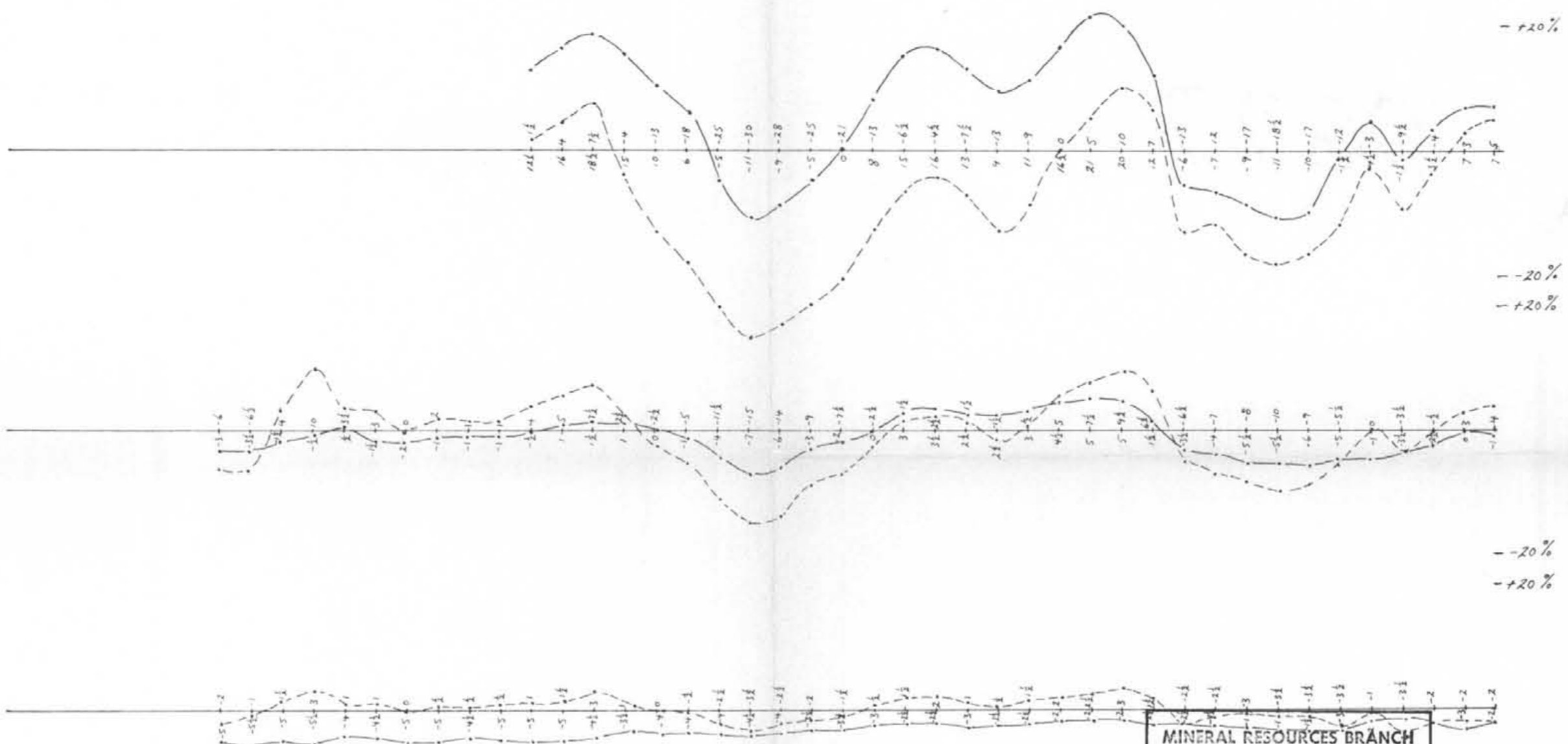
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 - - - - - Q.P. PROFILE

Q.P. VALUE  
 I.P. VALUE

MINERAL RESOURCES BRANCH  
 ASSESSMENT REPORT  
**6630**  
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		<small>TENTH FLOOR 85 RICHMOND STREET WEST          TORONTO, ONTARIO CANADA M5H 2S1</small>	
		SCALE: 1" = 400' DATE: 29/8/77	APPROVED BY: 
C.K. GROUP H.E.M. SURVEY			DRAWING NUMBER <b>6</b>

- 20N  
- 16N  
- 12N  
- 8N  
- 4N  
- B.L.  
- 4S  
- 8S  
- 12S  
- 16S  
- 20S



Rx - Tx 600'

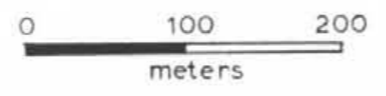
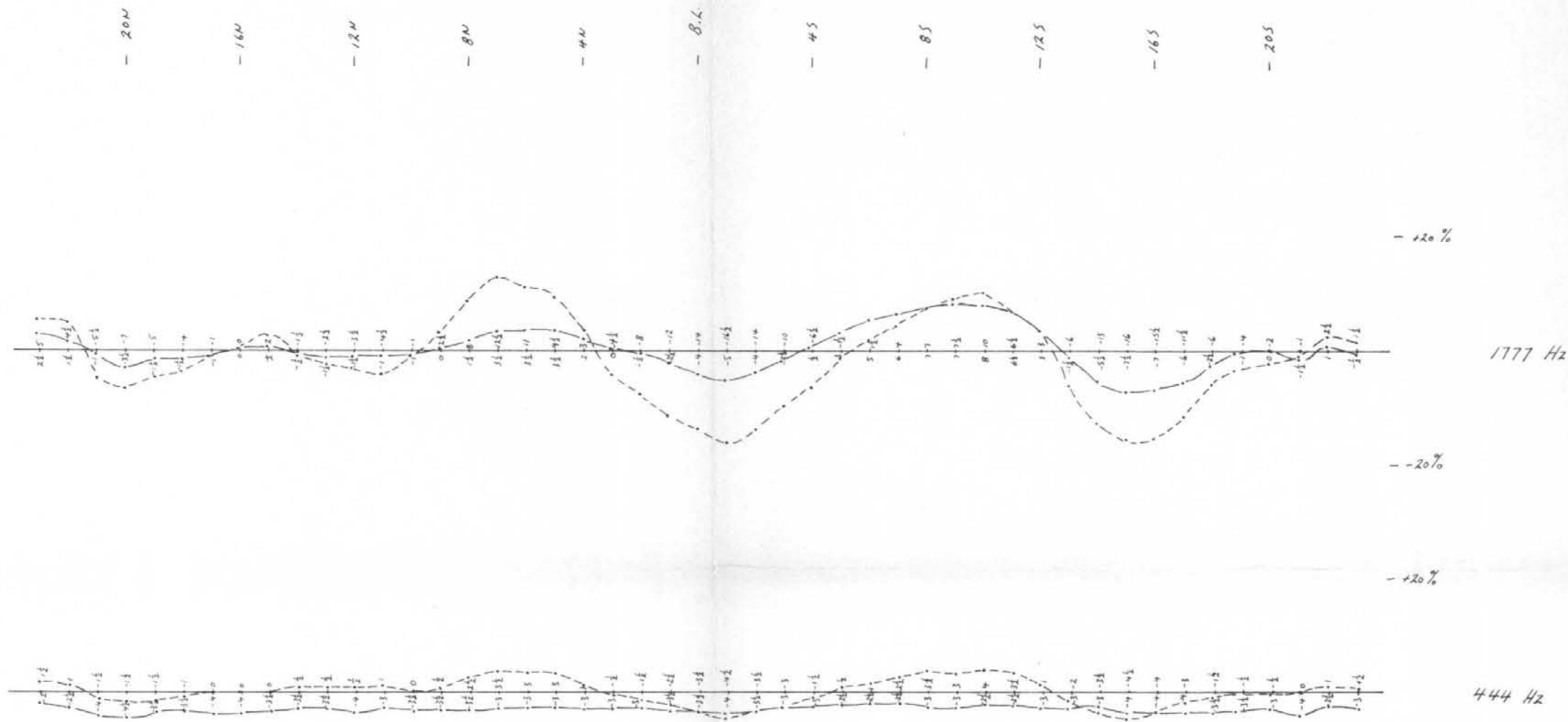
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 ..... Q.P. PROFILE  
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 -5 I.P. VALUE

MINERAL RESOURCES BRANCH  
 ASSESSMENT REPORT  
**6630**  
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TENTH FLOOR 85 RICHMOND STREET WEST  
 TORONTO, ONTARIO CANADA M5H 3D9

SCALE: 1" = 400'	APPROVED BY: <i>Henry Balit</i>	DRAWN BY G.B.
DATE: 29/8/77		REVISED
C.K. GROUP H.E.M. SURVEY		
LINE 64 E		DRAWING NUMBER 7



Rx - Tx 600'

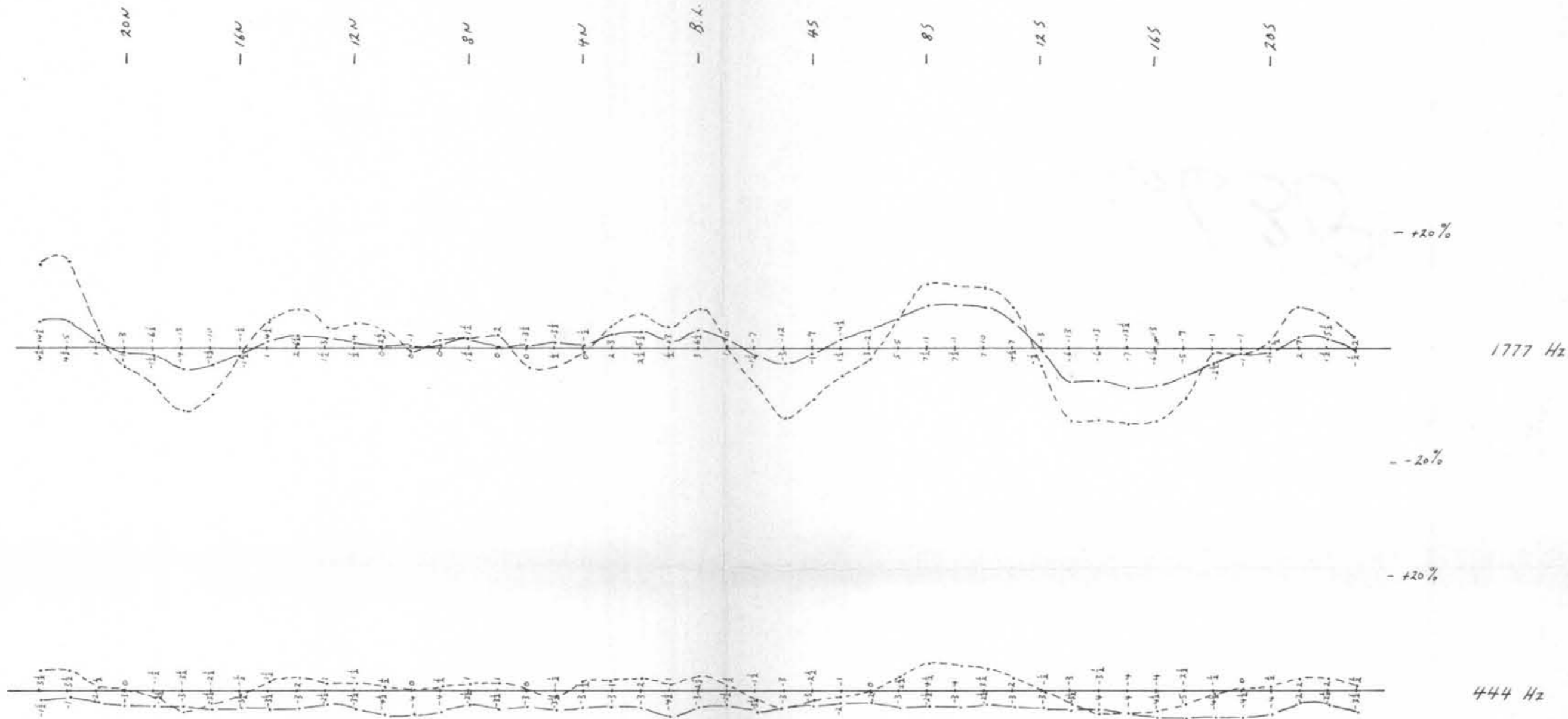
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— Q.P. VALUE  
 - I.P. VALUE

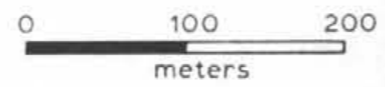
MINERAL RESOURCES BRANCH  
 ASSESSMENT REPORT  
**6630**  
 NO.

		<small>TENTH FLOOR 25 RICHMOND STREET WEST          TORONTO, ONTARIO CANADA M5H 2E1</small>	
		SCALE: 1" = 400' DATE: 29/8/77	APPROVED BY: <i>Henry [Signature]</i>
C.K. GROUP		H.E.M. SURVEY	
LINE 58E		DRAWING NUMBER <b>8</b>	





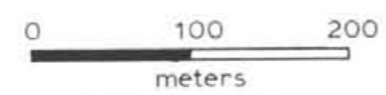
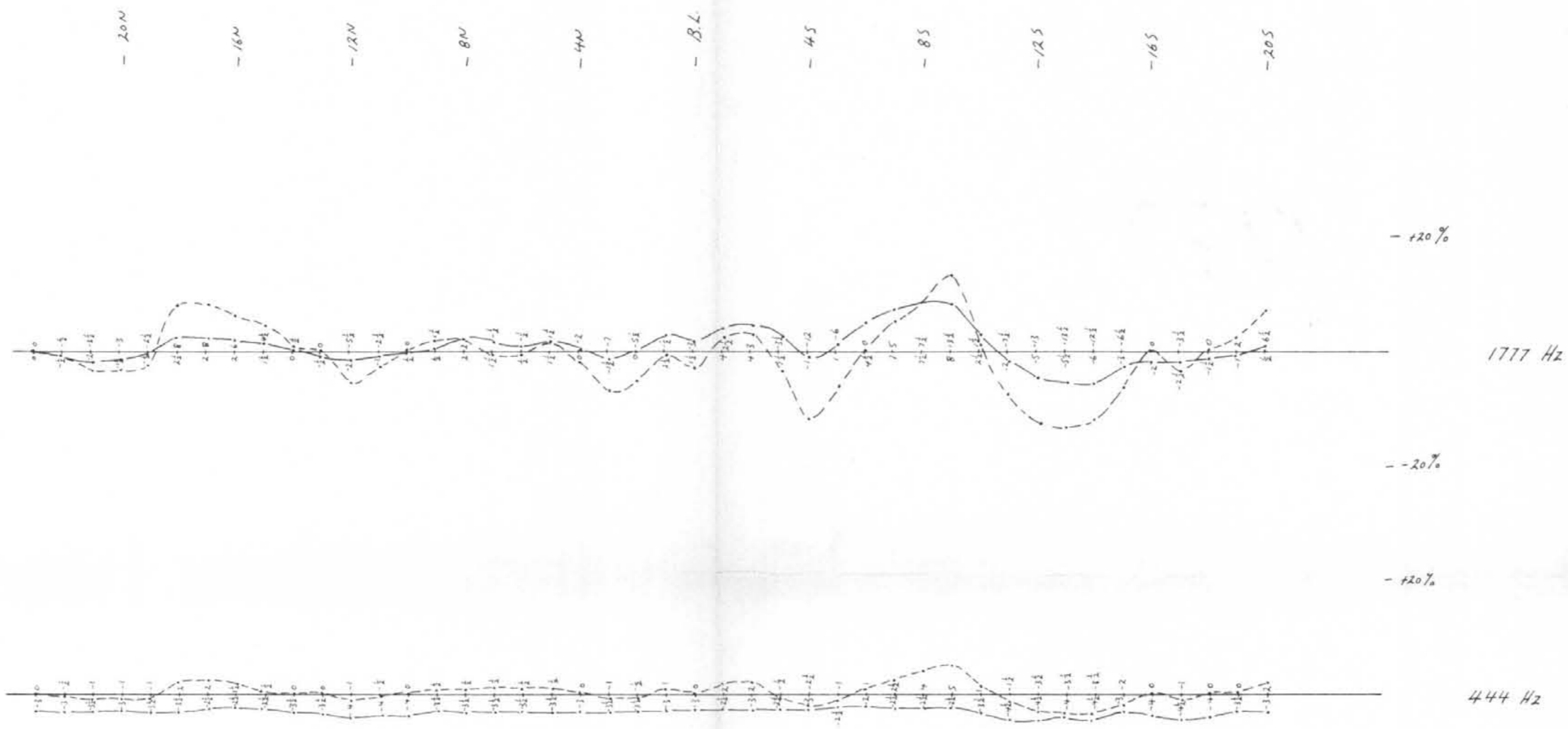
MINERAL RESOURCES BRANCH  
ASSESSMENT REPORT  
**6630**  
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Rx - Tx 600'

----- I.P. PROFILE  
----- Q.P. PROFILE  
0 a.p. VALUE  
5 I.P. VALUE

		<small>TENTH FLOOR, 45 RICHMOND STREET WEST TORONTO, ONTARIO, CANADA, M5H 2D1</small>	
		SCALE: 1" = 400' DATE: 29/8/77	APPROVED BY: <i>Henry Bilik</i>
C.K. GROUP      H.E.M. SURVEY			
LINE 52E			DRAWING NUMBER 9

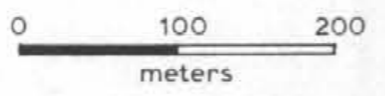
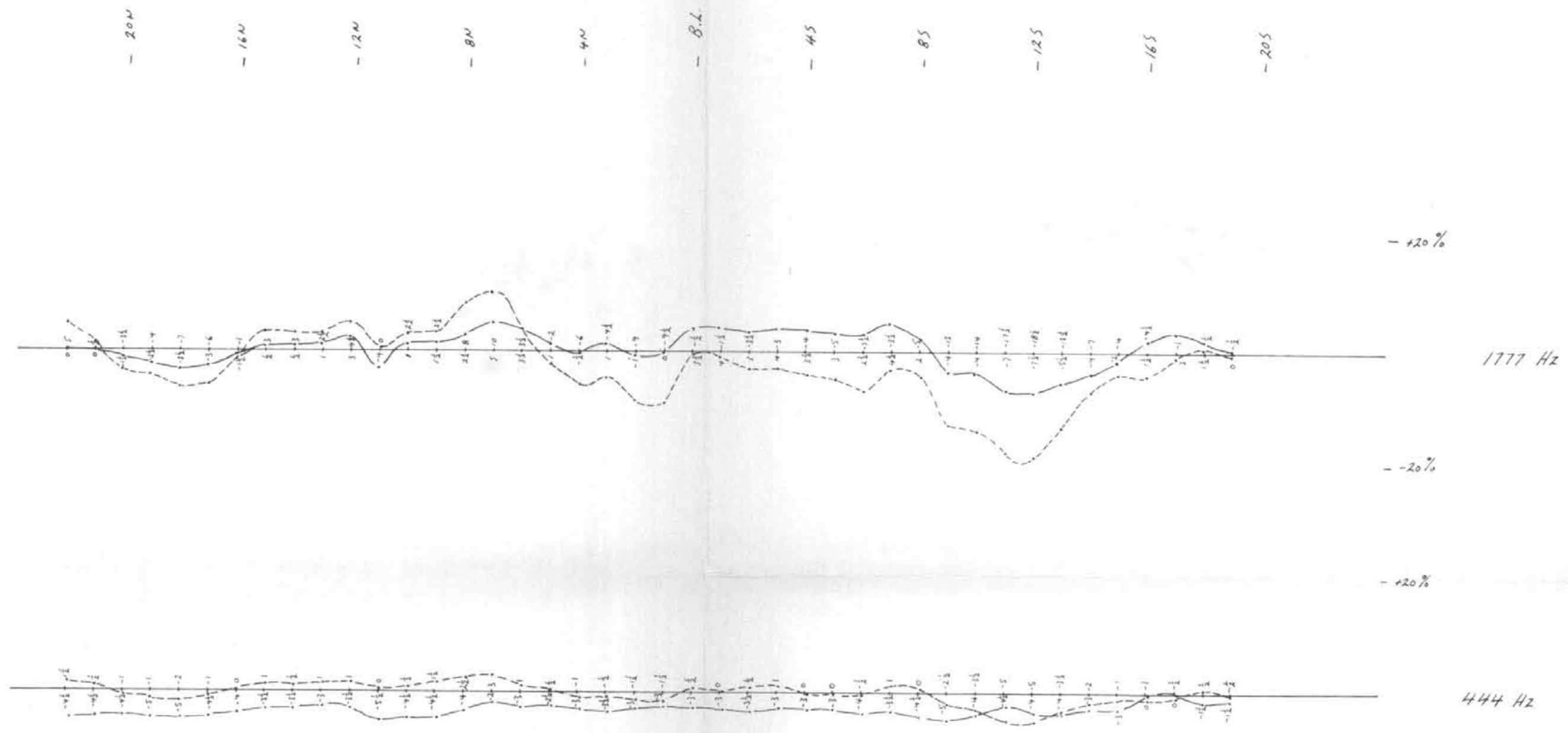


Rx - Tx 600'

- IP PROFILE
- Q.P. PROFILE
- G.P. VALUE
- I.P. VALUE

MINERAL RESOURCES BRANCH  
ASSESSMENT REPORT  
**6630**  
NO.

		TENTH FLOOR 25 RICHMOND STREET WEST TORONTO ONTARIO CANADA M5H 3P9	
SCALE: 1" = 400'	APPROVED BY:	DRAWN BY G.B.	
DATE: 29/8/77	<i>Henry Balch</i>	REVISED	
<b>C.K. GROUP</b>		<b>H.E.M. SURVEY</b>	
LINE 46E		DRAWING NUMBER 10	



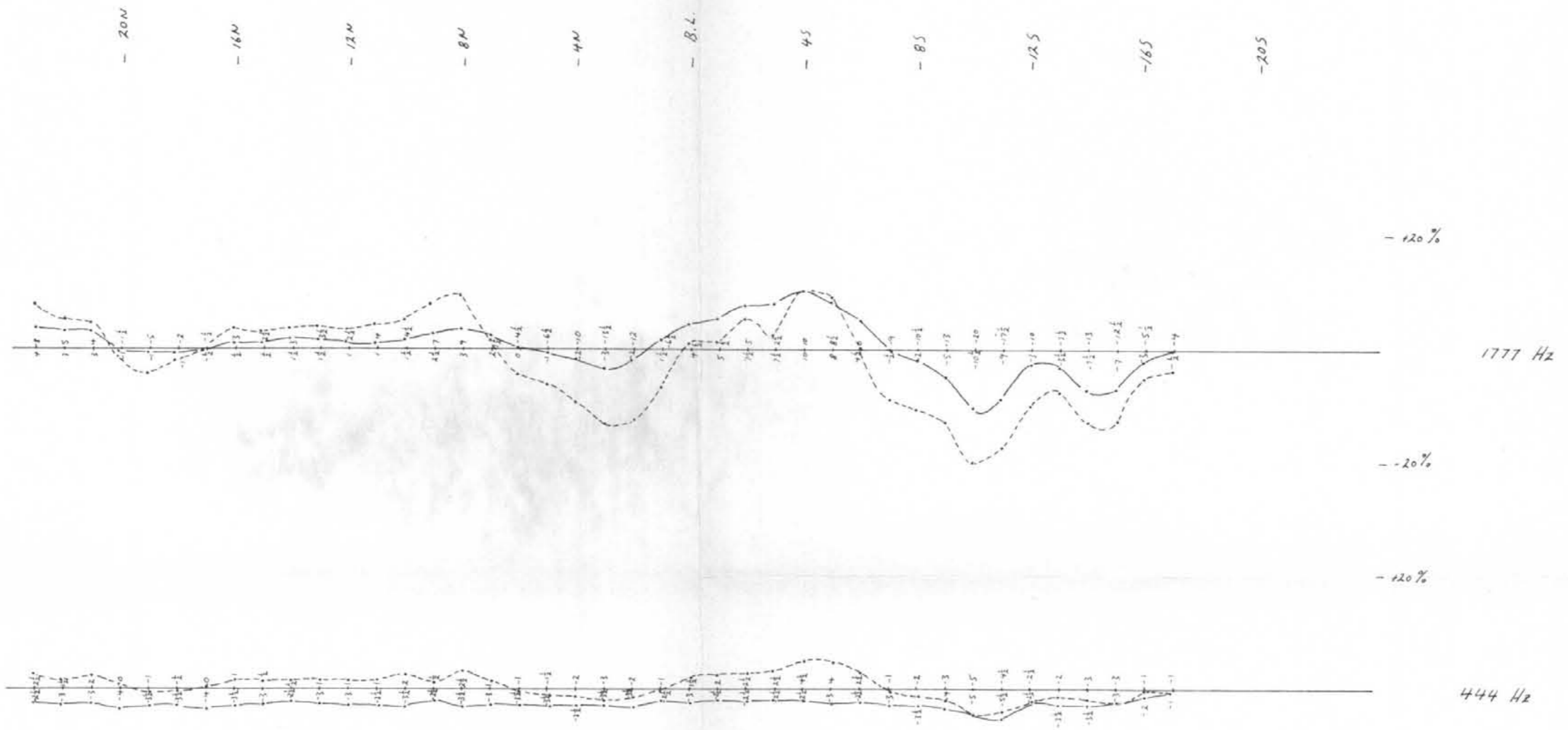
Rx-Tx 600'

..... I.P. PROFILE  
 ..... Q.P. PROFILE

0 Q.P. VALUE  
 1 I.P. VALUE

MINERAL RESOURCES BRANCH  
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		TENTH FLOOR 85 RICHMOND STREET WEST TORONTO, ONTARIO CANADA M5H 3P7	
SCALE: 1" = 400'	APPROVED BY:	DRAWN BY G.B.	
DATE: 29/8/77	<i>Henry Smith</i>	REVISED	
<i>C.K. GROUP</i>		<i>H.E.M. SURVEY</i>	
LINE 40 E		DRAWING NUMBER 11	



MINERAL RESOURCES BRANCH  
ASSESSMENT REPORT  
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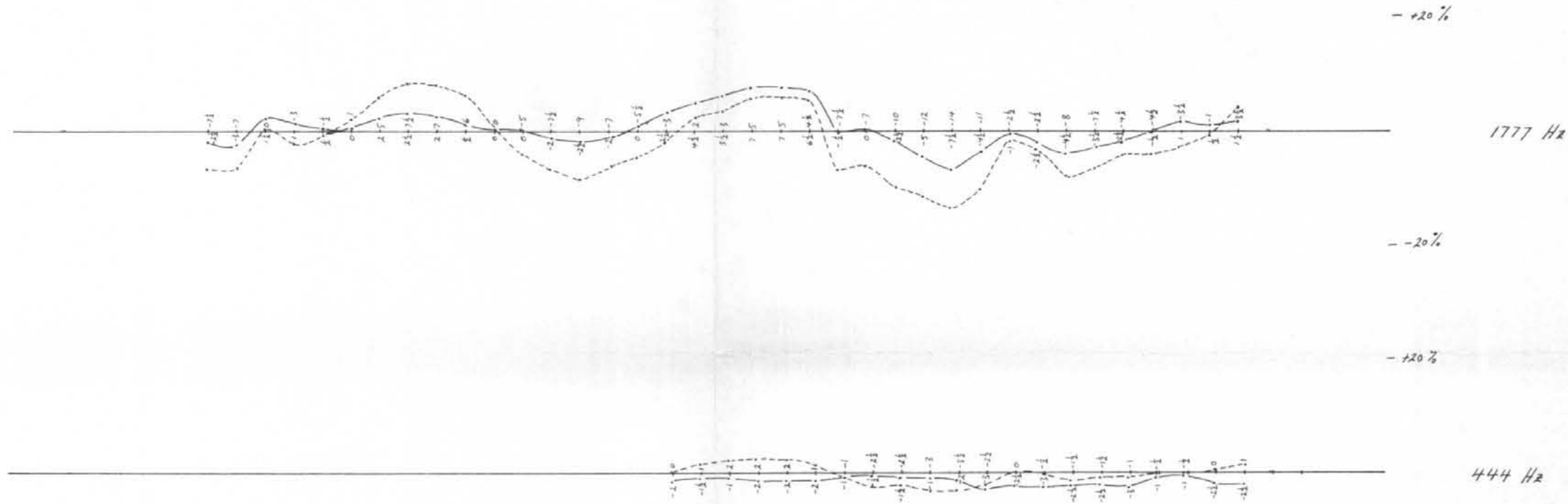
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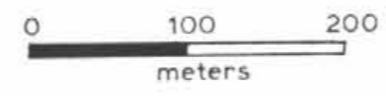
Q.P. VALUE  
I.P. VALUE

		APPROVED BY:	DRAWN BY 6.8.
			REVISED
SCALE: 1" = 400' DATE: 29/8/77		C.K. GROB H.E.M. SURVEY	
LINE 34E		DRAWING NUMBER 12	

- 20N  
- 16N  
- 12N  
- 8N  
- 4N  
- B.L.  
- 4S  
- 8S  
- 12S  
- 16S  
- 20S



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Rx - Tx 600'

--- I.P. PROFILE  
- - - - - Q.P. PROFILE  
+ - - - - O.P. VALUE  
- - - - - I.P. VALUE

		<small>TENTH FLOOR 45 RICHMOND STREET WEST TORONTO, ONTARIO, CANADA M5H 2S1</small>	
		SCALE: 1" = 400' DATE: 29/8/77	APPROVED BY: <i>Jerry Belite</i>
C.K. GROUP H.E.M. SURVEY			
LINE 28E			DRAWING NUMBER 13