

REPORT ON THE MAGN
OF THE CLAIMS HELD BY MOU
AND O'BRIEN RIVARD,
RED LAKE, ONTARIO



52M01SE0025 2.3492 HAMMELL LAKE

010

Linecutting and a magnetometer survey were completed in the summer of 1980 as part of an on-going exploration program on the claims.

Location and Access:

The claims are located approximately one mile east of Pipestone Bay (between Pipestone Bay and Golden Arm) of Red Lake. The claims are shown on the Hammell Lake Sheet (M2211) and are located in Todd Township of the Red Lake Mining Division in the District of Kenora, Ontario.

A road from the north-east corner of Pipestone Bay leads to the claims.

The Claims:

There are eleven patented claims held by Mount Jamie Mines Limited and four claims held by O'Brien Rivard.

Mount Jamie Mines Limited Box 47, Commerce Court Toronto, Ontario	Patented claims 10393-10396 10420-10423 11064-11066
O'Brien Rivard Red Lake, Ontario	468157-58 468161 468173

Survey:

The survey was performed by employees of Mount Jamie Mines Limited and is being submitted on behalf of O'Brien Rivard by Mount Jamie Mines Limited.

The linecutting was started June 15, 1980 and the magnetic survey was completed on August 8, 1980.

Geology:

The claims are underlain by Keewatin lavas of basic to intermediate composition and dykes of quartz porphyry, diorite and granodiorite. The greenstones in the shaft area have been altered and are noticeably lighter in colour than the normal rock. The porphyry is light coloured, waxy in appearance and occurs as regular dykes and irregular tongues. A diorite dyke, running in an east-west direction, lies south of the #1 shaft and immediately south of the No. 1 Vein. A breccia-type rock occurs to the south-east of the No. 1 Vein and appears to plunge flatly to the west.

Mineralization:

Gold occurs in quartz veins primarily as free gold.

Exploration and Development:

The claims have a long history of exploration and development starting in the 1930's with underground development in two shafts. In 1976 shaft No. 1 was reopened and a small gold mill was built (100 TPD). The mill has been reactivated in 1980 and stockpiled ore has been processed. The current claim holders are planning further exploration work including diamond drilling and underground development.

Magnetometer Survey:

The survey was carried out utilizing a Scintrex MF-2 magnetometer.

Scintrex MF-2 - \pm 100,000 gammas
 \pm 0.5% full scale

Sensitivity 20 to 2000 gammas
per division

Readings were taken at 50 foot spacing along lines 200 feet apart and along the Base Line.

A base station was established (BL, 5+00N) with the base reading 500 gammas. Diurnal corrections were made to this station with the check readings being taken approximately every hour.

In total, there were some 27 miles of lines cut and chained and approximately 2840 magnetic readings taken.

Results and Conclusions:

The survey showed three areas of magnetic activity running generally N-S with the western two bands possibly representing iron formations that traverse the property from north to south. (Peak readings in excess of 100,000 gammas)

The eastern area of activity is irregular and presumably indicates the Keewatin Lavas and porphyry dykes.

Further geological mapping and diamond drilling is needed to do a proper interpretation of this survey.



Glenn R. Clark

Glenn R. Clark, P.Eng.



Ministry of Natural Resources

GEOPHYSICAL - GEOLOGICAL TECHNICAL DATA



52M01SE0025 2.3492 HAMMELL LAKE

900

OCT - 7 1980

TO BE ATTACHED AS AN APPENDIX TO TECHNICAL REPORT
FACTS SHOWN HERE NEED NOT BE REPEATED IN REPORT
TECHNICAL REPORT MUST CONTAIN INTERPRETATION, CONCLUSIONS ETC.

MINING LANDS SECTION

Type of Survey(s) Magnetic
Township or Area Todd
Claim Holder(s) O'Brien Rivard
Survey Company Mount Jamie Mines Limited
Author of Report Glenn R. Clark
Address of Author Box 47, Commerce Court, Toronto
Covering Dates of Survey June 15 to August 8, 1980
Total Miles of Line Cut 27 miles

MINING CLAIMS TRAVERSED
List numerically

Table with 2 columns: (prefix) and (number). Rows include KRL 10393, 10394, 10395, 10396, 10420, 10421, 10422, 10423, 11064, 11065, 11066, 468157, 468158, 468161, 468173.

If space insufficient, attach list

SPECIAL PROVISIONS
CREDITS REQUESTED

ENTER 40 days (includes line cutting) for first survey.
ENTER 20 days for each additional survey using same grid.

Geophysical
-Electromagnetic
-Magnetometer 40
-Radiometric
-Other
Geological
Geochemical

DAYS per claim

AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)

Magnetometer Electromagnetic Radiometric
(enter days per claim)

DATE: Oct 7/80 SIGNATURE: Glenn R. Clark
Author of Report or Agent

Res. Geol. Qualifications 63,2410

Previous Surveys

Table with 4 columns: File No., Type, Date, Claim Holder. Includes handwritten 'V.D.' in the Claim Holder column.

TOTAL CLAIMS 15

OFFICE USE ONLY

GEOPHYSICAL TECHNICAL DATA

GROUND SURVEYS -- If more than one survey, specify data for each type of survey

Number of Stations 2840 Number of Readings 2840
Station interval 50' Line spacing 200'
Profile scale 1000 gammas/inch
Contour interval

MAGNETIC

Instrument MF-2 Scintrex - MF-2
Accuracy - Scale constant +/- 100,000 Sens 20-2000 gammas/div. reso + 0.5%full scale
Diurnal correction method - equal division on hourly check stations
Base Station check-in interval (hours) hourly
Base Station location and value Base Line, 5N - 500 gammas

~~+ 100,000 , + 0.5% full scale; sensitivity 20 to 2000 per division~~

ELECTROMAGNETIC

Instrument
Coil configuration
Coil separation
Accuracy
Method: [] Fixed transmitter [] Shoot back [] In line [] Parallel line
Frequency (specify V.L.F. station)
Parameters measured

GRAVITY

Instrument
Scale constant
Corrections made
Base station value and location
Elevation accuracy

INDUCED POLARIZATION RESISTIVITY

Instrument
Method [] Time Domain [] Frequency Domain
Parameters - On time Frequency
- Off time Range
- Delay time
- Integration time
Power
Electrode array
Electrode spacing
Type of electrode

L-42N

L-40N

L-38N

KRL 110

L-36N

L-34N

L-32N

L-30N

KRL 10420

L-28N

L-26N

L-24N

L-22N

KRL 1042

L-20N

L-18N

L-16N

KRL 10394

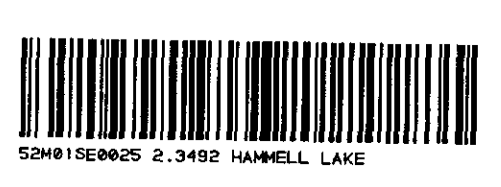
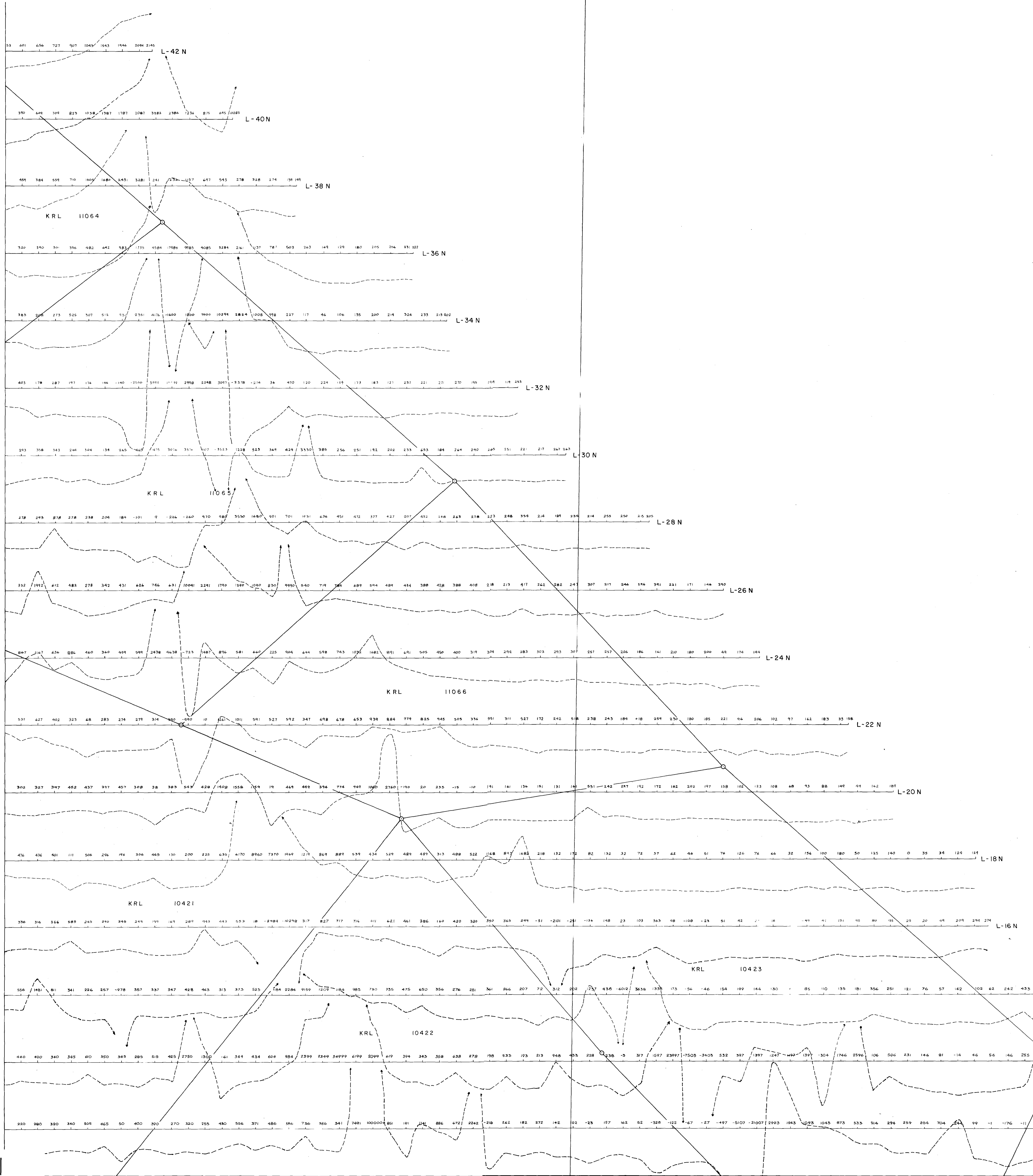
L-14N

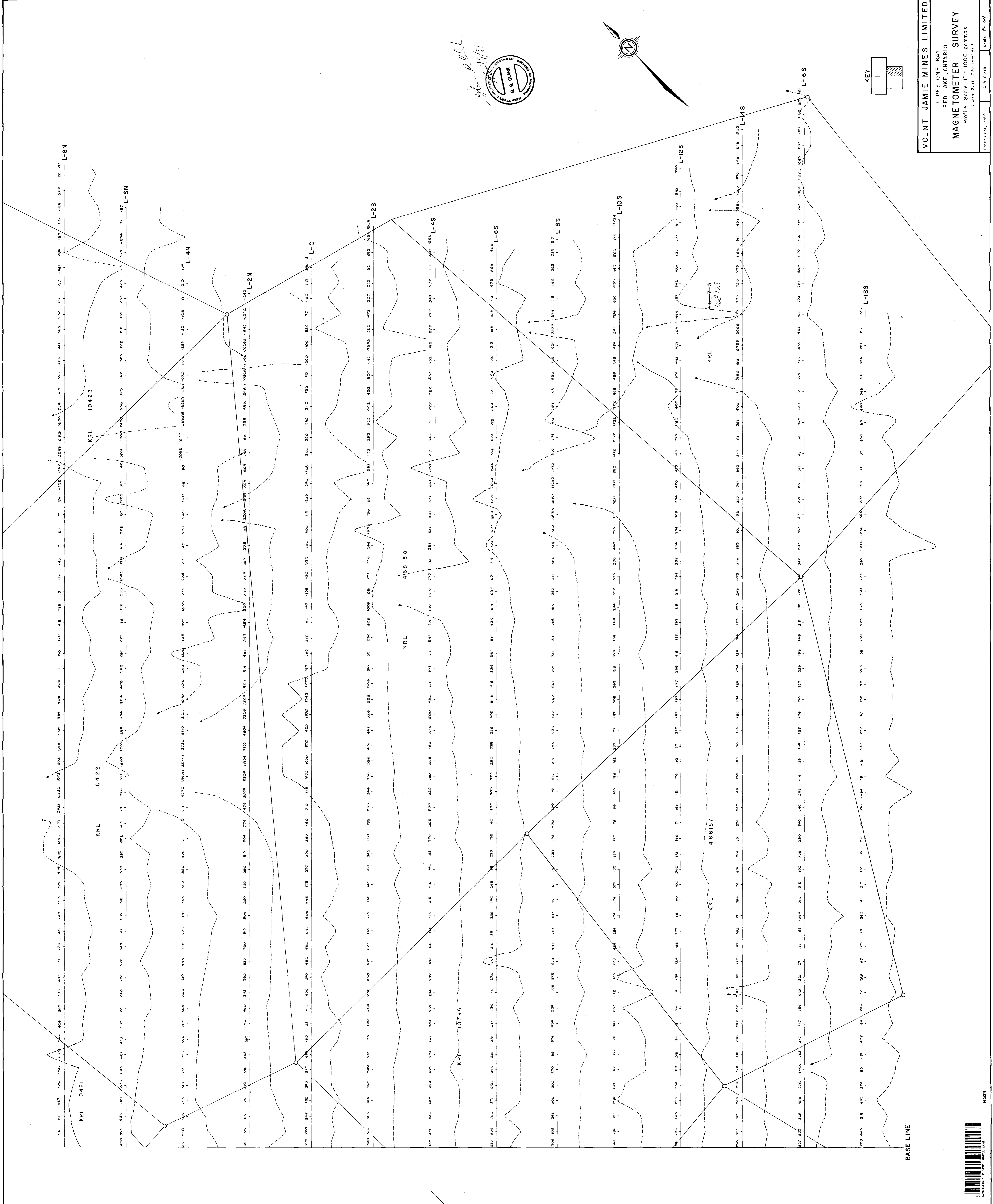
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KRL 10395

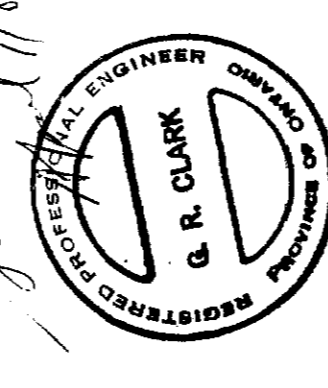
L-10N







John P. Galt
 1981



KRL 10394

KRL 10421

L-BN

L-6N

L-4N

L-2N

L-O

L-2S

L-4S

L-6S

L-8S

L-10S

L-12S

L-14S

L-16S

BASE LINE

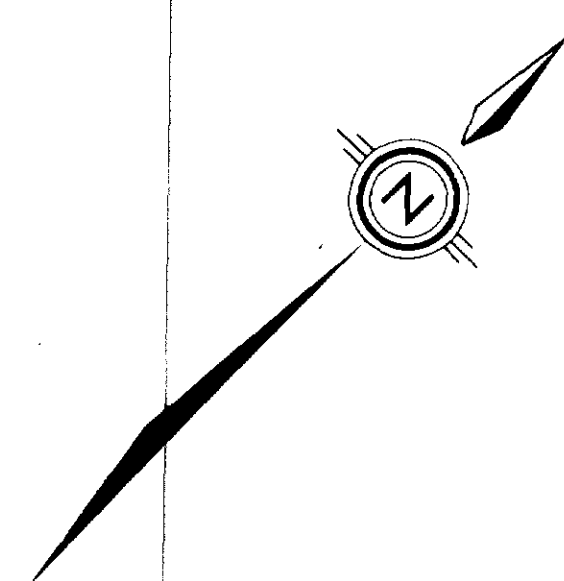
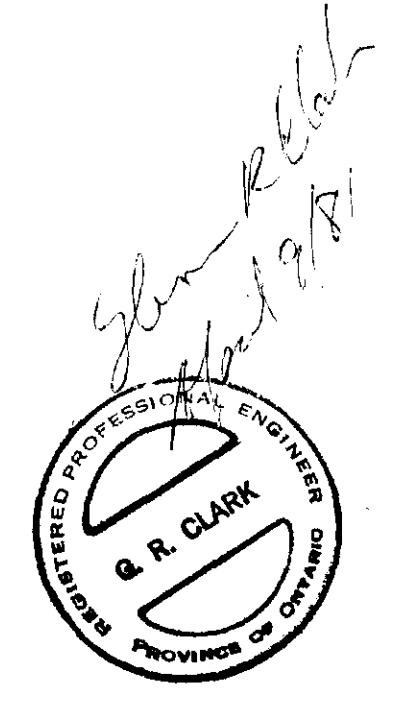
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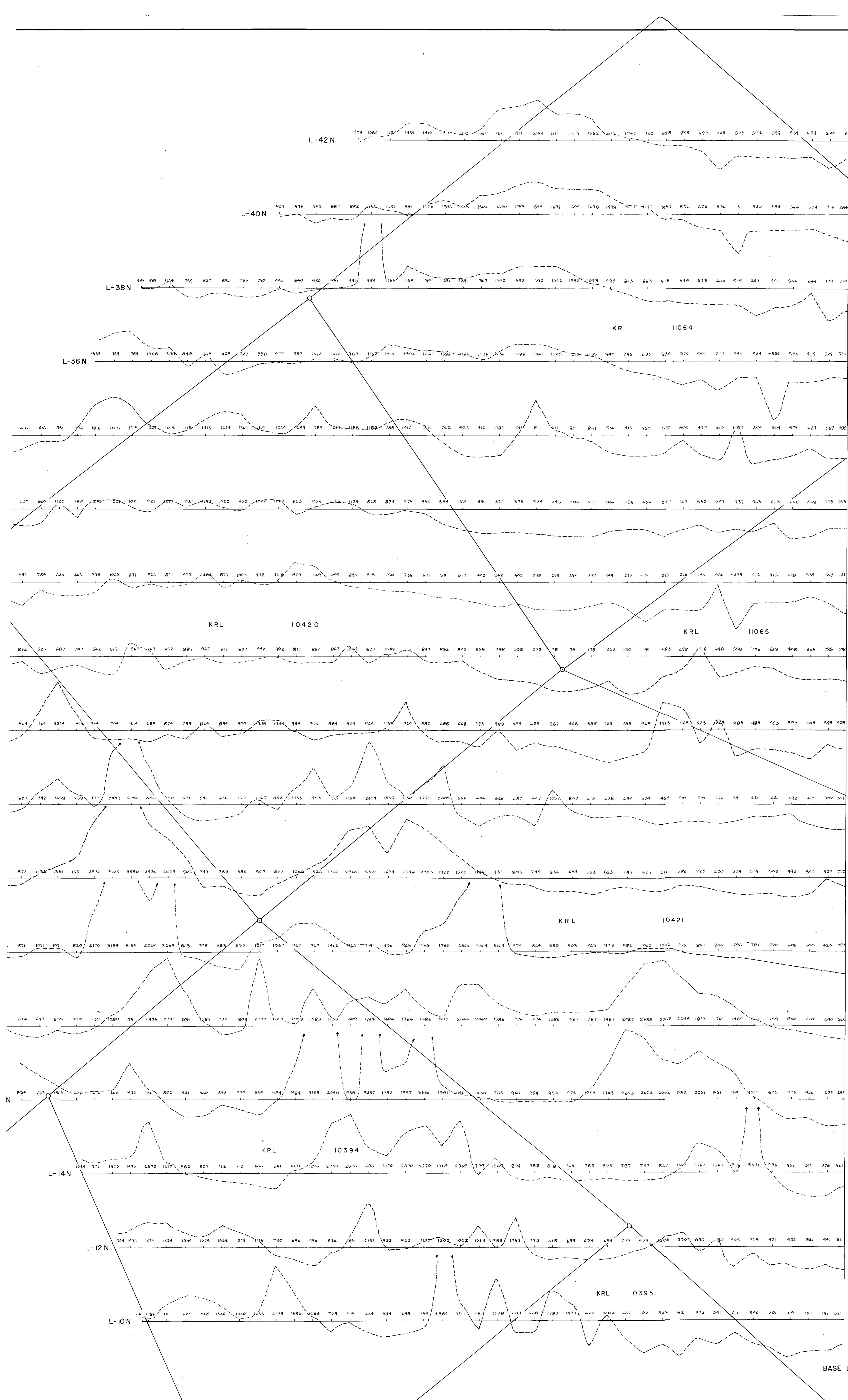
MOUNT JAMIE MINES LIMITED

PIPESTONE BAY
RED LAKE, ONTARIO
MAGNETOMETER SURVEY

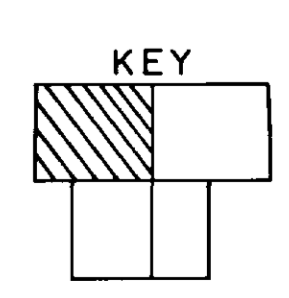
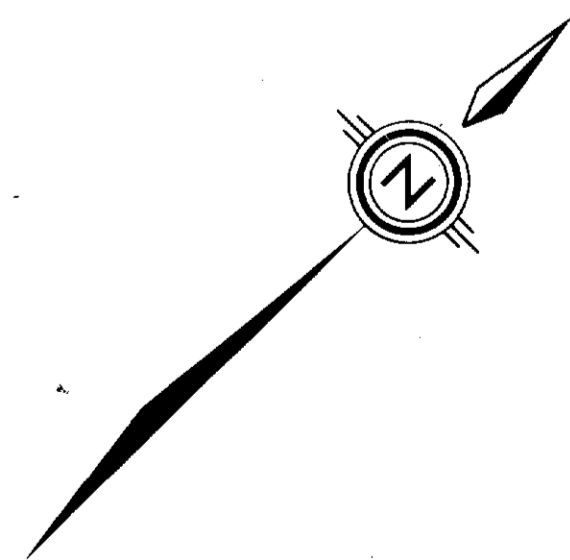
Profile Scale: 1" = 1000 gammas
(Line Base 1000 gammas)

Date: Sept, 1980 G.R. Clark Scale: 1" = 100'





G.R. Clark
 Geophysicist
 Registered Professional Geophysicist
 Ontario



MOUNT JAMIE MINES LIMITED
 PIPESTONE BAY
 RED LAKE, ONTARIO
MAGNETOMETER SURVEY
 Profile Scale: 1" = 1000 gammas
 (Line Base 1000 gammas)

Date: Sept., 1980	G.R. Clark	Scale: 1" = 100'
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206 231 222
L-36 N

214 224 233 213 202
L-34 N

121 231 221 271 270 195 194 118 253
L-32 N

202 233 453 184 214 280 265 251 221 277 227 243
L-30 N

427 207 432 248 263 278 223 248 354 214 189 236 214 255 250 215 205
L-28 N

488 434 388 428 388 408 218 213 417 262 282 247 307 317 244 244 391 231 171 146 240
L-26 N

891 641 505 456 400 319 304 294 283 303 293 307 257 257 206 186 161 210 180 200 49 174 168
L-24 N

KRL 11066

884 779 825 945 505 336 351 311 527 172 242 518 258 245 184 418 259 230 180 185 221 96 206 102 97 162 183 35 158
L-22 N

2760 1190 20 235 -15 -10 141 161 134 151 131 141 531 242 247 182 172 162 202 197 158 102 123 108 48 93 88 149 44 142 189
L-20 N

529 489 489 313 489 522 1168 813 1683 218 132 172 82 132 32 72 57 62 46 51 76 126 76 46 32 156 100 180 50 125 140 0 35 34 124 124
L-18 N

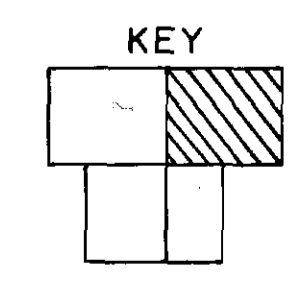
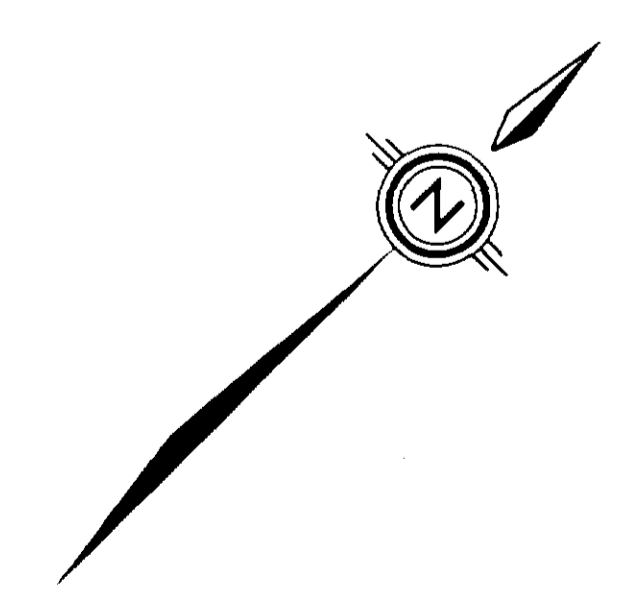
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L-16 N

755 475 650 556 276 281 361 266 207 72 312 202 127 458 -6012 3638 1338 175 -56 -46 154 199 144 180 85 110 135 181 356 251 121 76 57 142 102 62 242 433 93 208 85
L-14 N

10422
619 324 345 358 638 278 198 535 103 213 946 435 228 236 -3 317 1597 23997 17503 3405 532 397 1397 1247 402 1391 304 1746 2596 106 506 231 146 81 -14 46 56 146 255 124 570 775 415 380 220 195 255
L-12 N

851 191 111 684 472 2242 218 262 182 272 142 102 -23 157 162 52 -328 -122 -67 -27 -497 -5107 -21007 2993 1045 1025 1045 873 533 514 294 259 204 704 24 99 -1 -176 -11 134 204 1045 645 855
L-10 N

Glen R. Clark
April 8/8



MOUNT JAMIE MINES LIMITED
PIPESTONE BAY
RED LAKE, ONTARIO
MAGNETOMETER SURVEY
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(Line Base 1000 gammas)
Date: Sept, 1980 G.R. Clark Scale: 1" = 100'