



52N02SE0029 OP93-729 DENT

010

O. P. A. P.

FINAL SUBMISSION

#1 - PHILLIP'S CHANNEL GROUP

LOCATION: RED LAKE AREA  
BALL TWP.  
RED LAKE MINING DIV.  
NTS - 52 M/1  
LAT. - 51° 02' W  
LONG. - 94° 06' N

ACCESS: 20 MILES WEST OF THE TOWN OF RED LAKE  
BY WATER / ICE.

WORK PERFORMED + RESULTS

MAGNETOMETER SURVEY:

THE MAG SURVEY TURNED UP SOME INTERESTING RESULTS WHICH IN TURN HELPED LOCATE ANOTHER FIND. TWO GRAB SAMPLES ACQUIRED AT L-0/2<sup>10</sup>N ON THE SHORELINE, AND ASSAYED BY PLACER ASSAY RETURNED .25 OZ/TON AND .17 OZ/TON. AU. THIS IS WITHIN A LOW MAG CONTOUR WHICH REACHES ACROSS THE ENTIRE WIDTH OF THE CLAIM GROUP ON IT'S BOTTOM ROW. THIS ZONE FROM WEST TO EAST TRAVELS ROUGHLY FROM L-5W/1<sup>25</sup>N TO L-7E/1<sup>00</sup>N. AN EARLIER ASSAY OF .28 OZ/TON AU HAD BEEN LOCATED AT 6<sup>70</sup>E/0<sup>70</sup>N.

ANOTHER TREND FROM L-0/5<sup>75</sup>N TO L-4E/5<sup>25</sup>N IS ALSO THE LOCAL FOR ASSAYS OF 0.24 TO 0.27 OZ/TON AU DIAMONDS DRILLED BY COCHENDOUR SEVERAL YEARS PREVIOUS. AND ON L-2E/11<sup>00</sup>N, ANOTHER LOW CONTOUR IS IN

THE IMMEDIATE VICINITY OF A DIAMOND DRILL HOLE  
PUT DOWN FOR SHANE RESOURCES THAT CONTAINED V.G.  
IN A MINERALIZED SECTION OF CORE.

THE HIGH MAG CONTOURS FOLLOW THE MAFIC VOLCANIC  
FLOWS, BUT IN THE SOUTH END OF THE CLAIM BLOCK,  
THERE IS A FELSIC UNIT THAT IS CONTAINED WITHIN  
THAT HIGH CONTOUR.

#### MAX MIN SURVEY:

THE PRIMARY RESULT OF THE MAX MIN SURVEY WAS  
THE LOCATING OF A LOW TO MODERATE CONDUCTIVE ZONE  
FROM L-2W/1+50N TO L-1E/2+50N, AND AS MENTIONED  
EARLIER, THE LOCAL FOR A NEW OCCURRENCE (Au).

THE AREA OF THE ORIGINAL OCCURRENCE SHOWED LITTLE  
RESPONSE.

AT L-0/6+25N TO L-1E/6+25N THERE IS ANOTHER  
LOW CONDUCTIVE ZONE, AND FROM L-0/9+75N TO L-2E/8+25N  
THERE IS A LOW CONDUCTOR CUTTING ACROSS STRIKE.

THE REST OF THE NOISY AREAS COULD POSSIBLY BE  
ATTRIBUTED TO CONDUCTIVE OVERBURDEN.

#### RECOMMENDATIONS:

THE CONDUCTIVE ZONES ON LAND, ESPECIALLY THE  
PRIMARY ONE FROM L-2W/1+50N TO L-1E/2+50N BE FOLLOWED  
UP WITH STRIPPING, TRENCHING, AND ASSAYING.

## #2 - CONFEDERATION GROUP

LOCATION: RED LAKE AREA  
DENT + MITCHELL TWP. 5  
RED LAKE MINING DIV.  
NTS - 52 N/2  
LAT. -  $51^{\circ} 06' 40''$  W  
LONG. -  $92^{\circ} 40' 35''$  N

ACCESS: 144 km. BY ROAD FROM RED LAKE THROUGH  
EAR FALLS DOWN HWY #105, THEN UP SOUTH BAY  
ROAD TO MINING CLAIMS.

GEOLOGY: THE GEOLOGY IS BY FAR PREDOMINATELY  
FELSIC VOLCANICS WITH BEDS OF INTERMEDIATE  
VOLCANICS IN THE NORTH WEST CORNER OF  
THE CLAIM GROUP.

### WORK PERFORMED + RESULTS

#### MAGNETOMETER SURVEY:

THE OVERALL PICTURE OF THE MAGNETOMETER  
SURVEY IS THAT THE CONTOURS IN GAMMAS ~~ARE~~ ARE  
RELATIVELY LOW, WITH NO STRONG FEATURES.

THE ONLY AREA THAT HAD ANY SIGNIFICANT  
RESPONSES WAS THE AREA COVERED BY LINE #4 N,  
FROM 2+00E TO 6+00E; THE HIGH READINGS WERE  
INFLUENCED BY CULTURAL RESPONSES SUCH AS THE  
STEEL RE-INFORCED CONCRETE MILL FOUNDATION, SHAFT,  
AND VENTILATION RAISES. OF THE SOUTH BAY MINE

COMPLEX. AT THE END OF LINE #4 GOING EAST, THE MAG RESPONSE WAS LOWER THAN THE 60,000 GAMMA SETTING AND RELATIVELY CALM. THIS IS ALSO THE LOCATION OF A 9-10 CHANNEL ANOMALY LOCATED BY THE O.G.S. AIRBORNE SURVEY ISSUED IN 1991, MAP # 81635. WITH THIS COMPARISON, AND THAT THE ORE BODY ZONE OF THE SOUTH BAY MINE NOT APPEARING DISTINCTIVELY ON THE MAP, THE GROUND MAG SURVEY RESULTS MUST BE CHECKED FOR SUBTLE VARIATIONS IN CONTOURS AS TO ANY INDICATION COMPARABLE TO THE SOUTH BAY DEPOSIT.

ON AN UNDERGROUND PLAN OF THE SOUTH BAY MINE, THE ORE BODY ON IT'S WESTERN BOUNDARY TURNS FROM A SOUTH WEST DIRECTION TO A SOUTH EAST DIRECTION. ON THE GROUND MAG SURVEY, THERE IS SUCH A TURN IN STRIKE DIRECTION FROM L-0/25E TO L-4S/100W. THIS AREA IS 300m SOUTH-WEST OF NO. #12 ORE ZONE OF THE SOUTH BAY MINE WHICH DISPLAYED SIMILAR CHARACTERISTICS IN STRIKE CHANGE, AND IS ON STRIKE WITH THE ORE ZONE.

THE OTHER MAG FEATURE ON THE PLAN IS A HIGH TREND GOING TO THE SOUTH WEST AT THE WEST END OF LINES 2N AND 3N. THIS (~~could~~) COULD BE ATTRIBUTED TO A CONTACT ZONE BETWEEN INTER-MEDIATE OR MAFIC BEDS WITH THE FELSIC VOLCANICS OF THE PROPERTY.

#### MAX MIN SURVEY:

THE MAX MIN SURVEY ALSO PROVIDED A VERY QUIET PICTURE WITH SOME SUBTLE, BUT POTENTIALLY, VERY IMPORTANT RESULTS. L-4N READINGS WERE PRIMARILY CULTURAL.

THE MOST OBVIOUS IS THE ANOMALOUS ZONE BETWEEN

L-6S/0°50W AND L-7S/0°25W. THIS COULD VERY POSSIBLY BE A MASSIVE SULPHIDE DEPOSIT AT DEPTH PLUNGING TO THE SOUTH FROM THE MAG CONTOUR DESCRIBED PREVIOUSLY, FROM L-0/0°25E TO L-4S/1°00W.

THE OTHER SUBTLE FEATURE OCCURS ON L-4N/0°75E AND PASSES THROUGH L-0/0°75W AND L-1S/1°00W. NORTH OF L-4N/0°75E THE FELSIC ROCKS CONTAIN SULPHIDES, ALONG WITH MAGNETITE IN SMALL AMOUNTS, AND THIS IS THE PROBABLE CAUSE FOR THESE READINGS.

THE TWO LOCALIZED READINGS AT L-1S/2°50E AND L-4S/2°50E WERE POSSIBLY DUE TO WEAK CONDUCTORS AT DEPTH OR CONDUCTIVE OVERBURDEN, AS THE QUADRATURE PHASE READINGS BECAME POSITIVE AND IN PHASE NEGATIVE.

#### RECOMMENDATIONS:

THE BEST, AND ONLY WAY TO TEST THE ANOMALOUS ZONES WOULD BE TO DIAMOND DRILL AS THEY ARE LOCATED UNDER CONFEDERATION LAKE.

AN I.P. SURVEY IS ALSO RECOMMENDED, AND ANOTHER MAX MIN SURVEY WITH LONGER CABLES TO ATTAIN GREATER DEPTH COULD BE HELPFUL.

THIS PROPERTY DEFINATELY HAS A HIGH POTENTIAL FOR A V.M.S. TYPE BASE METAL DEPOSIT, AND DOES DESERVE FURTHER WORK.

AUTHOR OF REPORT

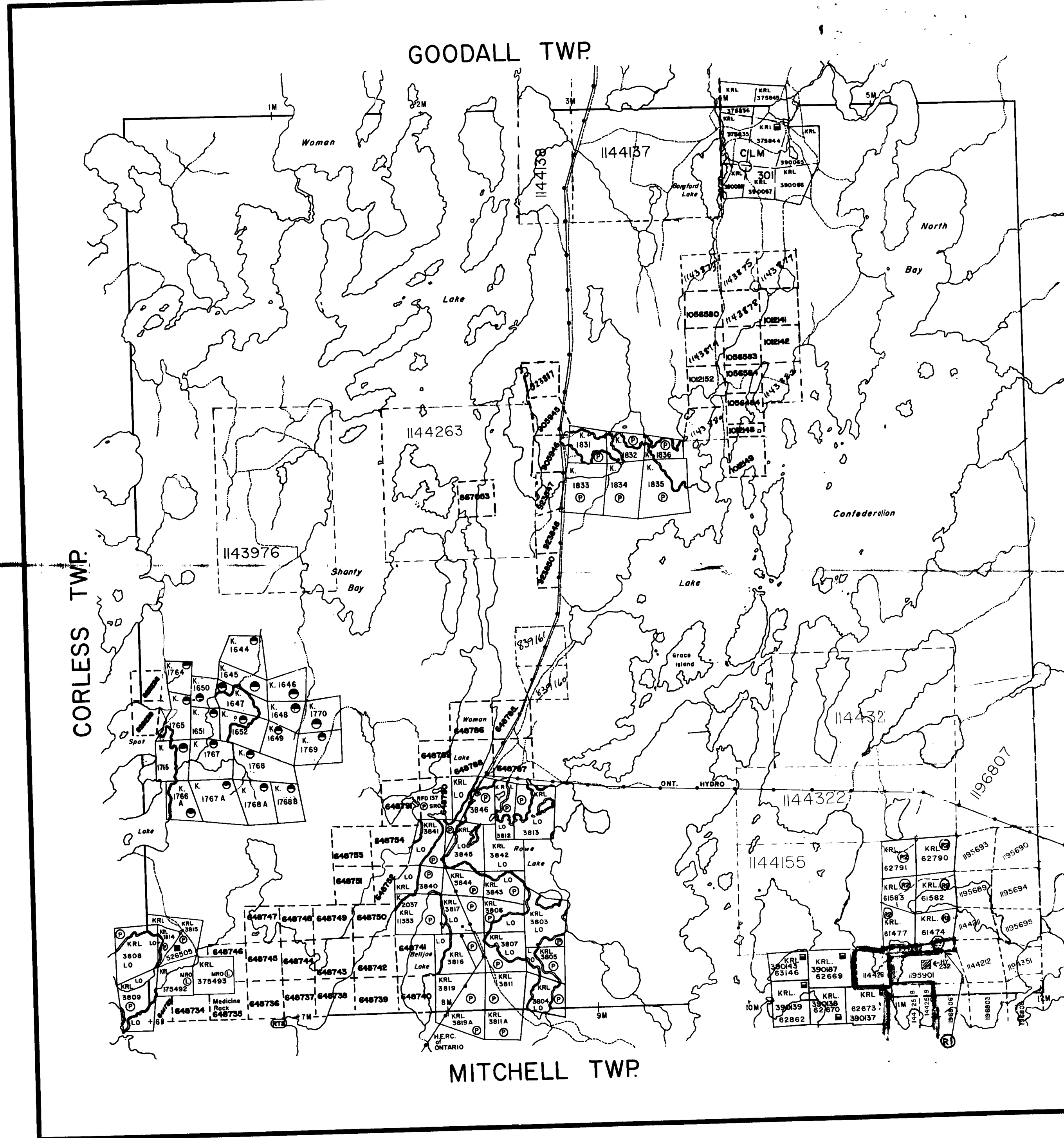


A. J. MACIEJEWSKI.

C-3737

DENT JMB

C-3737



THE TOWNSHIP OF

# DENT

DISTRICT OF  
KENORA  
PATRICIA PORTION

RED LAKE  
MINING DIVISION

SCALE: 1-INCH = 40 CHAINS

### LEGEND

- PATENTED LAND
- CROWN LAND SALE
- LEASES
- LEASES, MINING RIGHTS ONLY
- LICENSE OF OCCUPATION
- MINING RIGHTS ONLY
- SURFACE RIGHTS ONLY
- ROADS
- IMPROVED ROADS
- KING'S HIGHWAYS
- RAILWAYS
- POWER LINES
- MARSH OR MUSKIE
- MINES
- CANCELLED
- PATENTED S.R.O.
- REMOTE TOURISM SITE

### AREAS WITHDRAWN FROM DISPOSITION

- M.R.O. - MINING RIGHTS ONLY
- S.R.O. - SURFACE RIGHTS ONLY
- M.+S. - MINING AND SURFACE RIGHTS

Description	Order No.	Date	Disposition	File
(R1) MNR FUEL CACHE				
(R2) TAILINGS	W-KRL 32/93	93/05/18	M & S RIGHTS	195150 WITHDRAWAL

- (R1) MNR FUEL CACHE
- (R2) TAILINGS W-KRL 32/93 93/05/18 M & S RIGHTS 195150 WITHDRAWAL

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES, FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.



Ministry of  
Natural  
Resources

Ministry of  
Northern Development  
and Mines

AUGUST, 1986

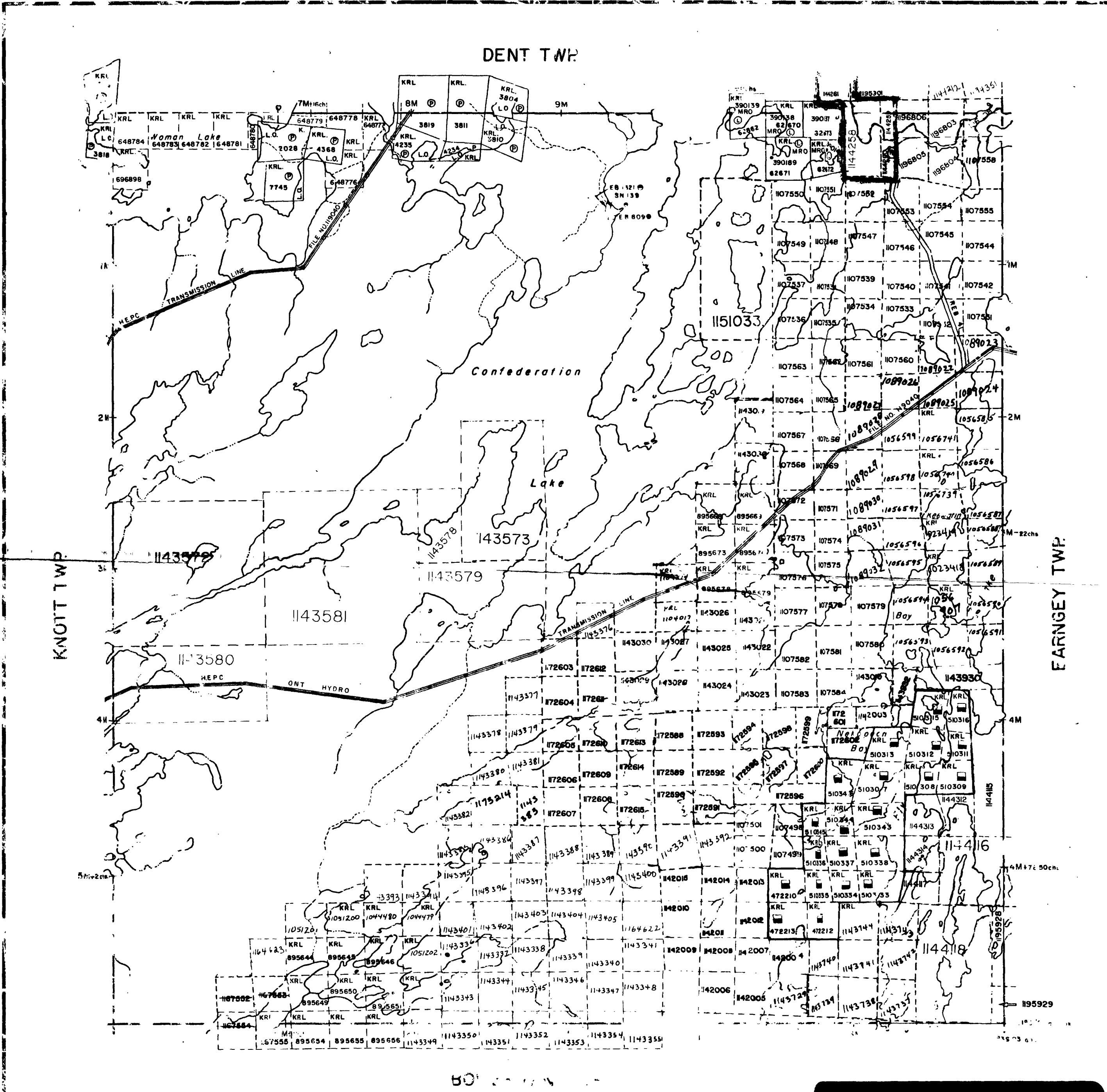
## G-3737



52N025E0029 OP93-729 DENT

DENT JMB

C-3734



AREAS WHICH ARE FROM DEPOSITION

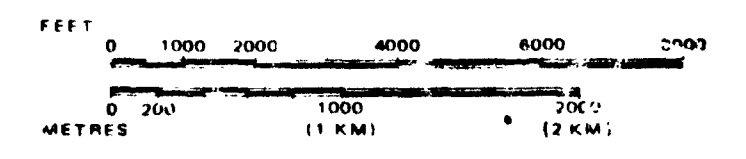
- M.R.O. - MINING RIGHTS ONLY
- S.R.O. - SURFACE RIGHTS ONLY
- M.+S. - MINING AND SURFACE RIGHTS

Deposition Color No. Date Disposition File

**FOREST ACTIVITY INFORMATION**  
 THIS TOWNSHIP/AREA FALLS WITHIN THE  
**TROUT LAKE FOREST**  
 AND MAY BE SUBJECT TO FORESTRY OPERATIONS.  
 THE M.N.R. UNIT FORESTER FOR THIS AREA CAN BE  
 CONTACTED AT:  
 P.O. BOX 5003  
 RED LAKE, ONTARIO P0V 2M0  
 (807) 727-2253

(R) MNR PUBLIC ACCESS POINT

SCALE: 1 INCH = 40 CHAINS



LEGEND

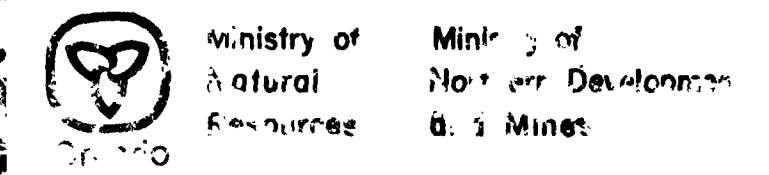
- PATENTED LAND
- PATENTED FOR SURFACE RIGHTS ONLY
- LEASE
- LICENSE OF OCCUPATION
- CROWN LAND SALES
- LOCATED LAND
- CANCELLED
- MINING RIGHTS ONLY
- SURFACE RIGHTS ONLY
- HIGHWAY & ROUTE NO.
- ROADS
- TRAILS
- RAILWAYS
- POWER LINES
- MARSH OR MUSKEG
- MINES

TOWNSHIP OF

**MITCHELL**

DISTRICT OF  
**KENORA**  
PATRICIA PORTION

**RED LAKE**  
MINING DIVISION



1ST 1922

C-3734

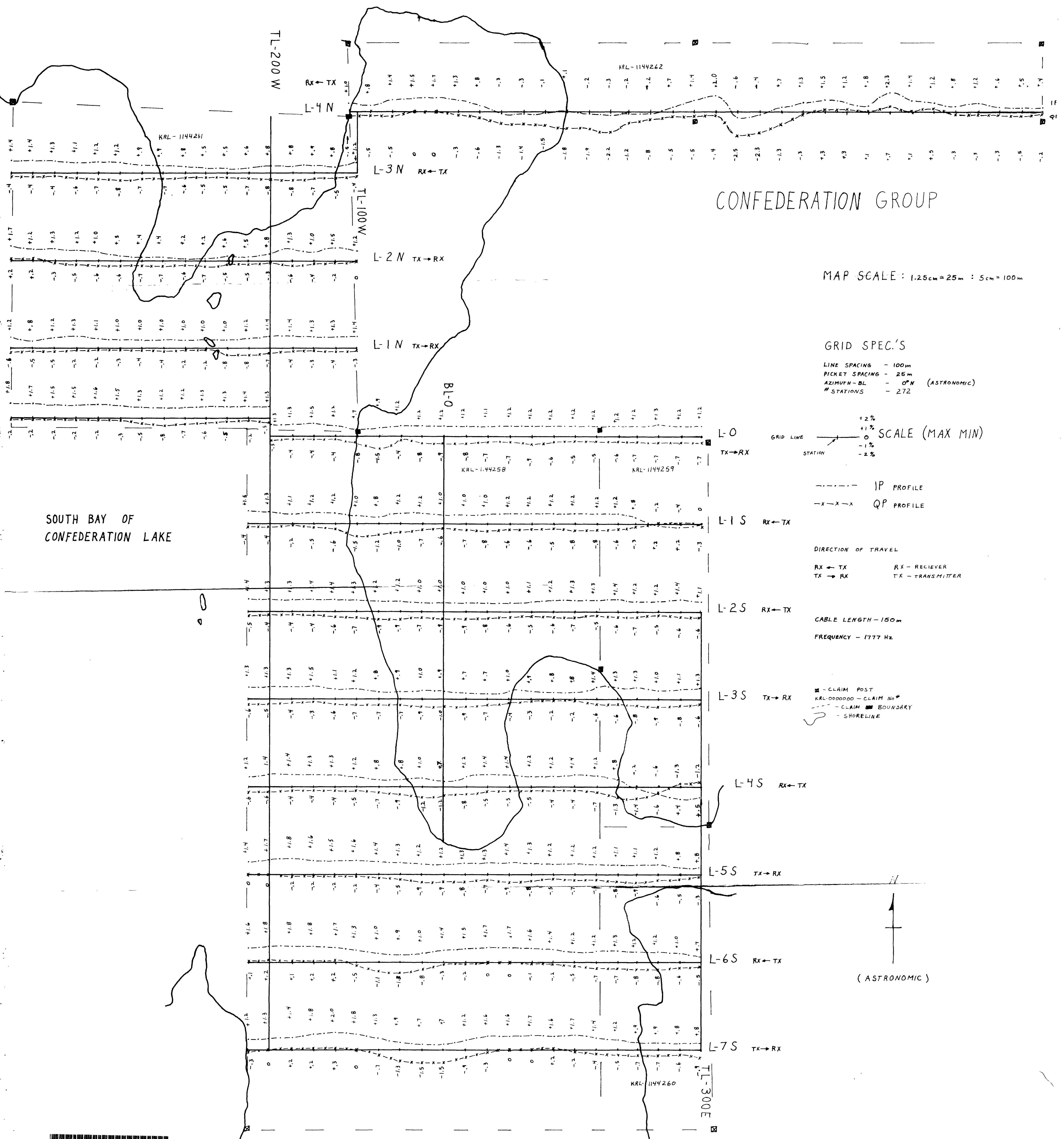
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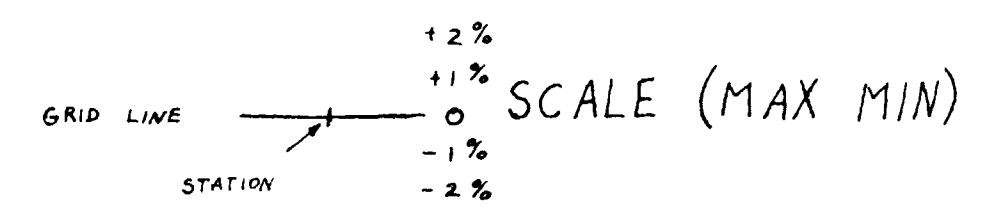


CONFEDERATION GROUP

MAP SCALE : 1.25cm = 25m : 5cm = 100m

GRID SPEC.'S

LINE SPACING - 100m  
 PICKET SPACING - 25m  
 AZIMUTH - BL - 0°N (ASTRONOMIC)  
 # STATIONS - 272

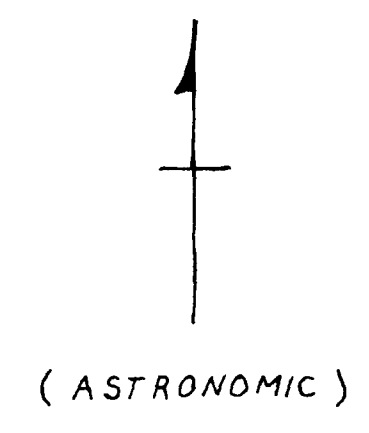


--- IP PROFILE  
 -x-x-x QP PROFILE

DIRECTION OF TRAVEL  
 RX ← TX      RX - RECIEVER  
 TX → RX      TX - TRANSMITTER

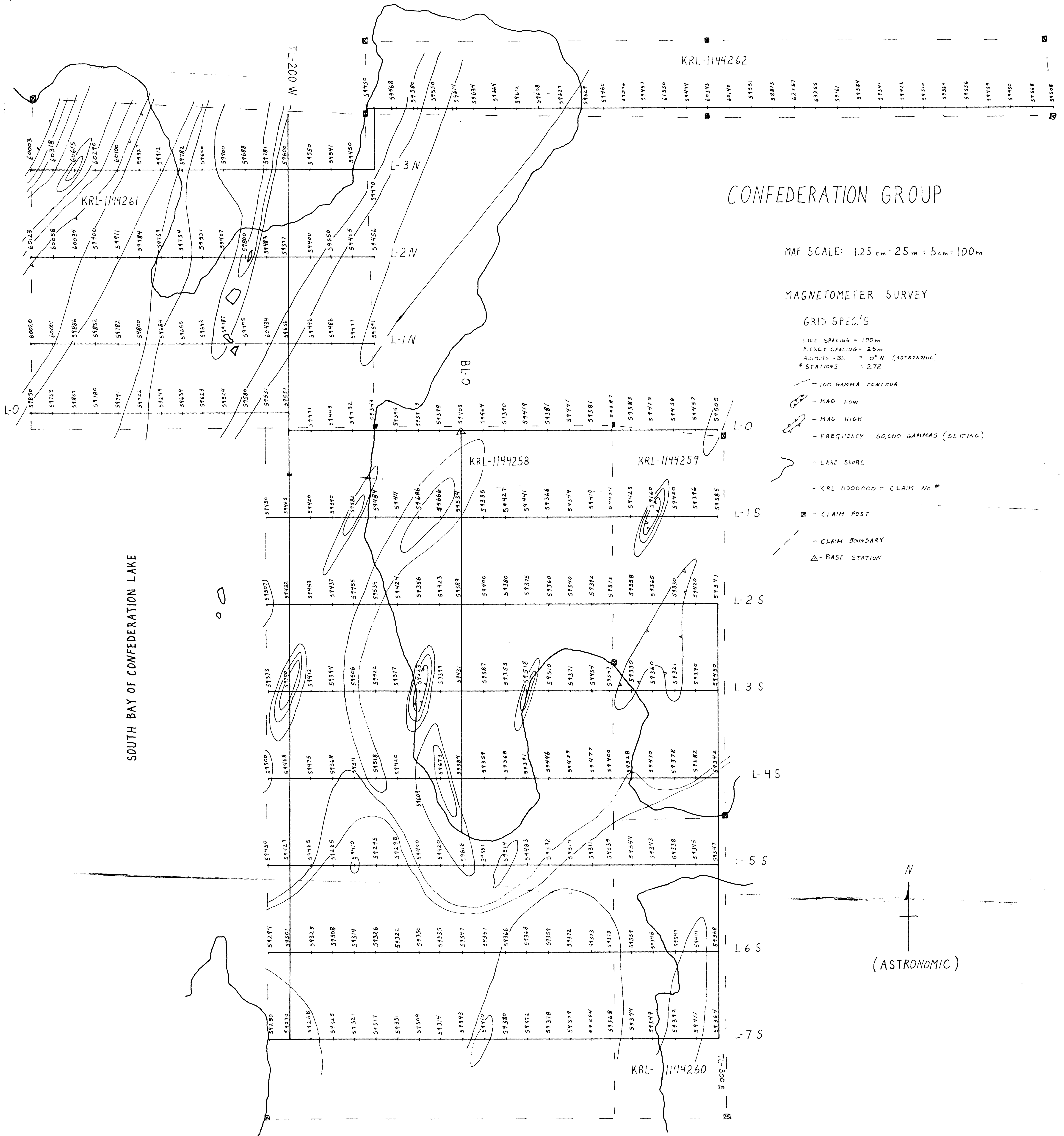
CABLE LENGTH - 150m  
 FREQUENCY - 1777 Hz

■ CLAIM POST  
 KRL-000000 - CLAIM No.  
 --- CLAIM BOUNDARY  
 ~~~~~ SHORELINE



SOUTH BAY OF  
 CONFEDERATION LAKE





# CONFEDERATION GROUP

MAP SCALE: 1.25 cm = 25 m : 5 cm = 100 m

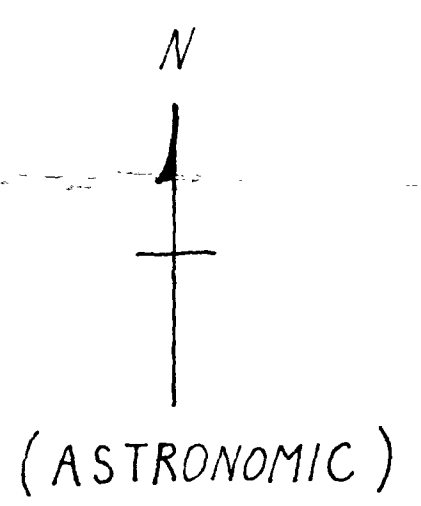
## MAGNETOMETER SURVEY

### GRID SPEC'S

LINE SPACING = 100 m  
 PICKET SPACING = 25 m  
 AZIMUTH - BL = 0° N (ASTRONOMIC)  
 # STATIONS = 272

- 100 GAMMA CONTOUR
- MAG LOW
- MAG HIGH
- FREQUENCY - 60,000 GAMMAS (SETTING)
- LAKE SHORE
- KRL-0000000 = CLAIM No #
- CLAIM POST
- CLAIM BOUNDARY
- BASE STATION

SOUTH BAY OF CONFEDERATION LAKE







PIPESTONE BAY

N

(ASTRONOMIC)

SCALE: 1" = 50 m

LEGEND

- △ - BASE STATION
- - LAKE SHORE
- ⊠ - CLAIM POST
- KRL-0000000 - CLAIM No.#
- - MAG. LOW

MAGNETOMETER SURVEY

LINE SPACING - 100 m

PICKET/STATION - 25 m

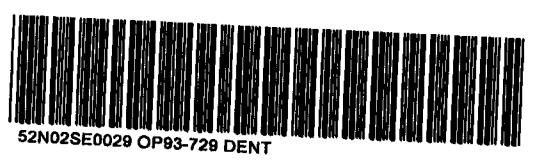
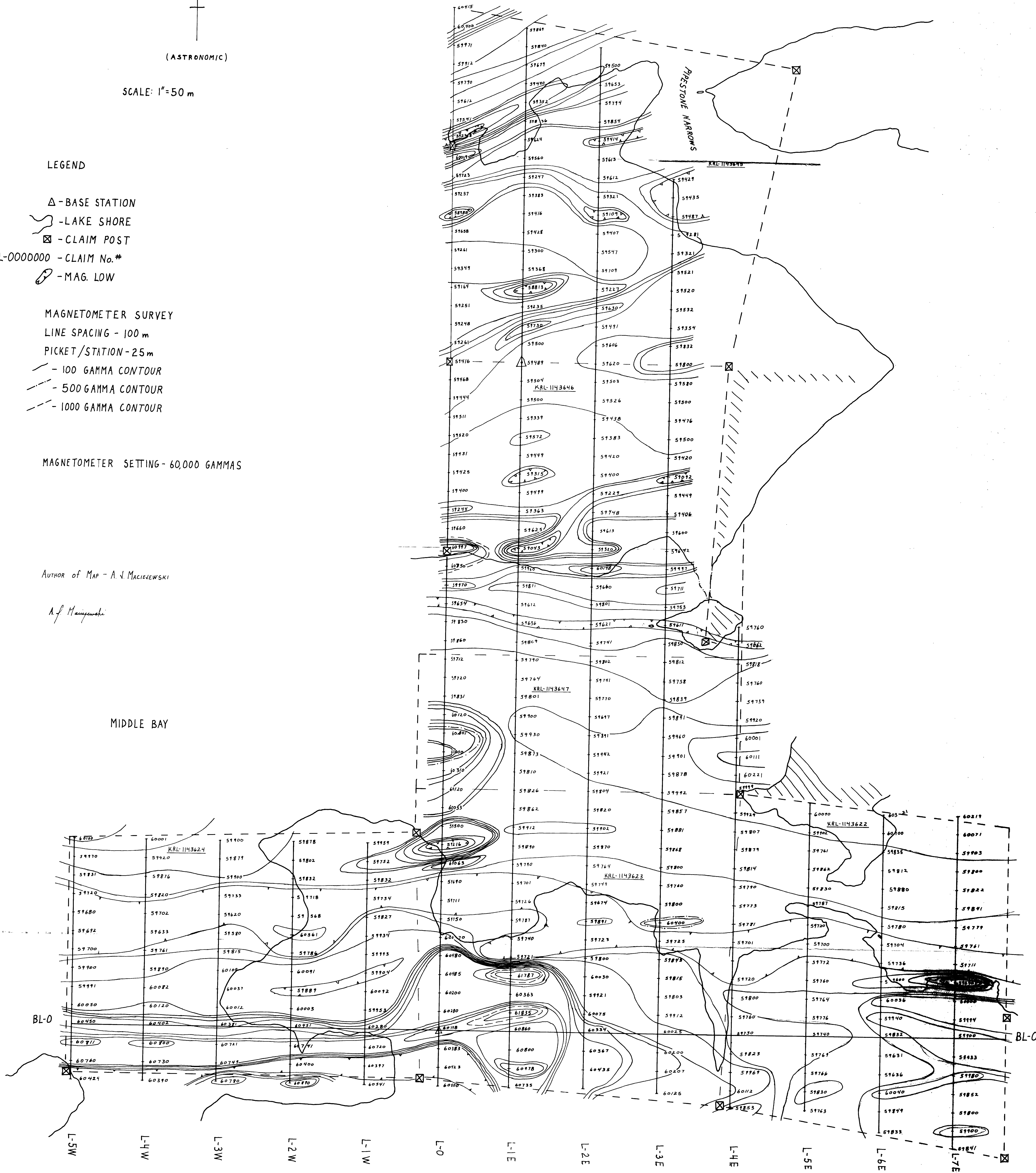
- - 100 GAMMA CONTOUR
- - 500 GAMMA CONTOUR
- - 1000 GAMMA CONTOUR

MAGNETOMETER SETTING - 60,000 GAMMAS

AUTHOR OF MAP - A. J. MACIEJEWSKI

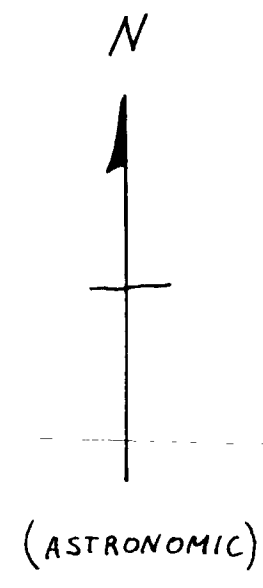
A. J. Maciejewski

MIDDLE BAY



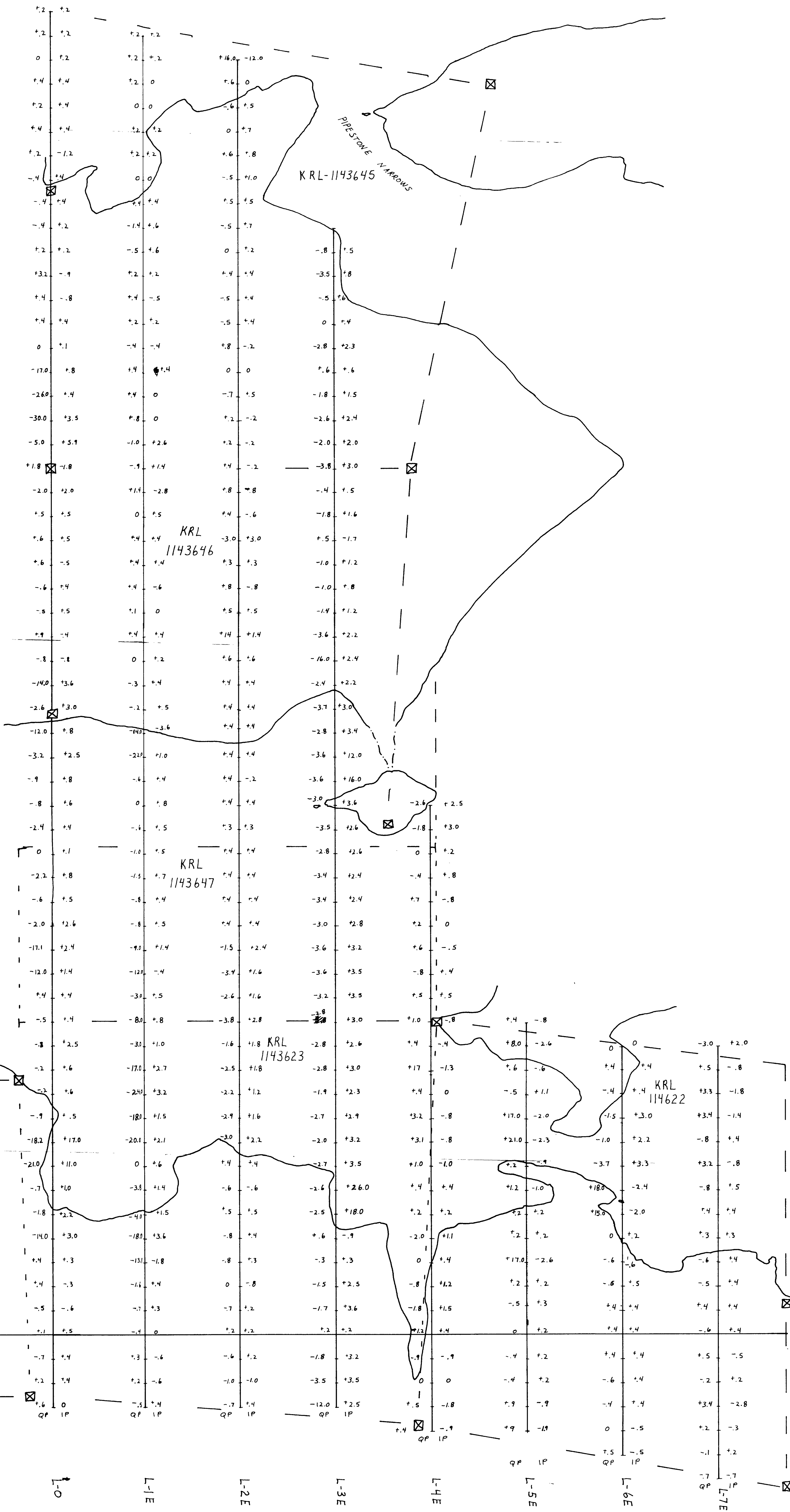
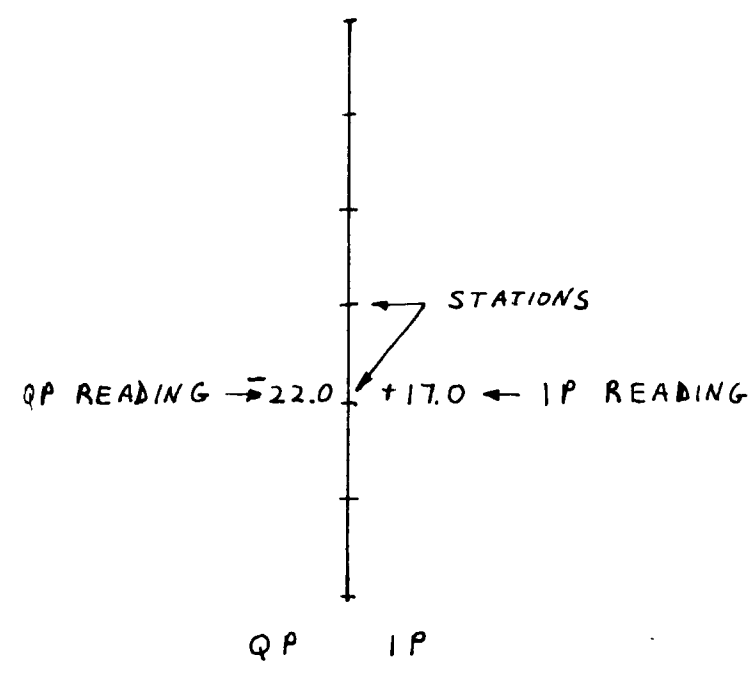
PHILLIP'S CHANNEL GROUP

PIPESTONE BAY



SCALE: 1"=50m

CLAIM NUMBER = KRL-000000  
 CLAIM POST = B  
 GRID SPACING = 100m  
 PICKET/STATION = 2.5m  
 SHORELINE =   
 CLAIM BOUNDARY =



MIDDLE BAY

BL-0

L-5W

L-4W

L-3W

L-2W

L-1W

L-0

L-1E

L-2E

L-3E

L-4E

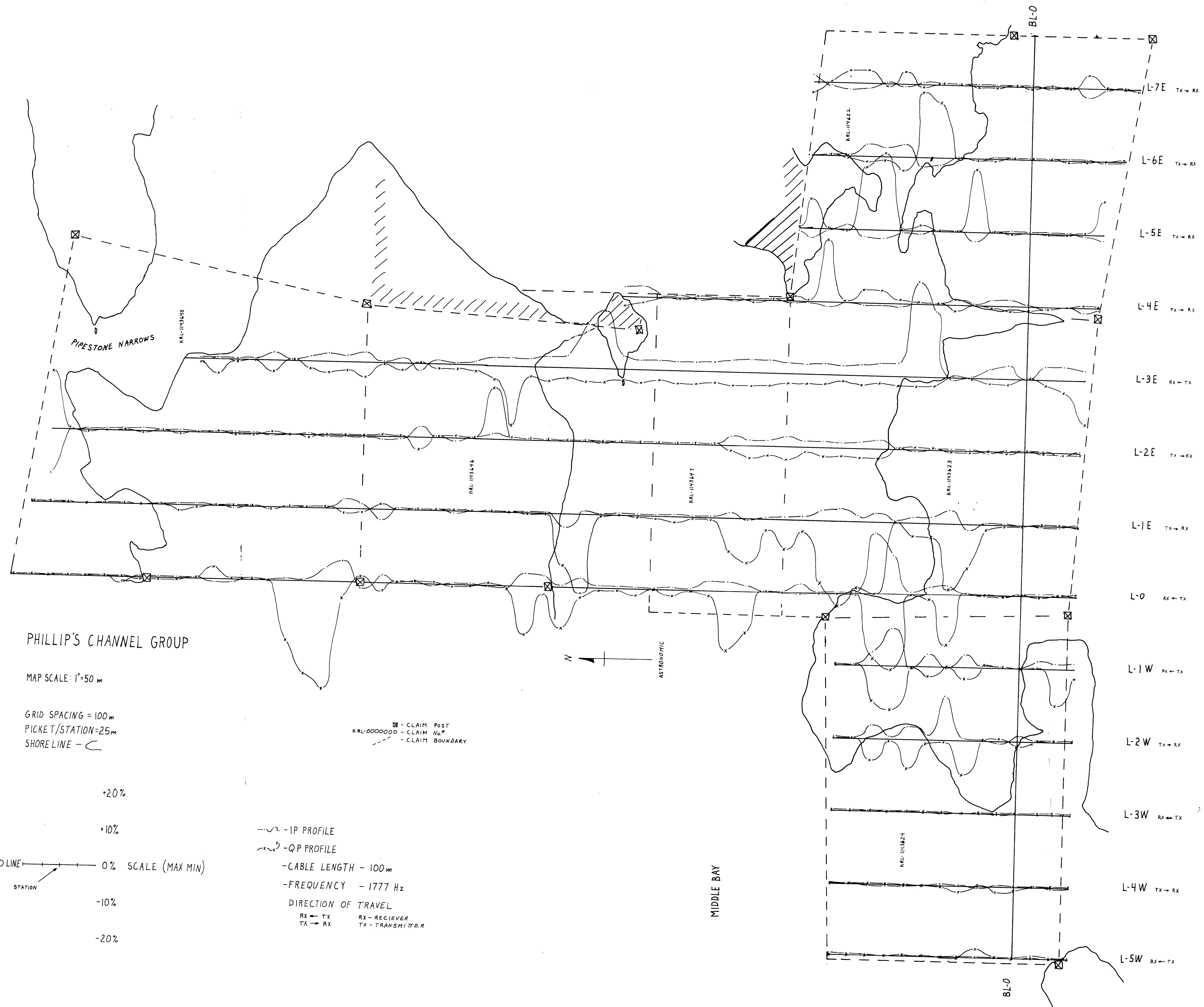
L-5E

L-6E

L-7E



PIPESTONE BAY

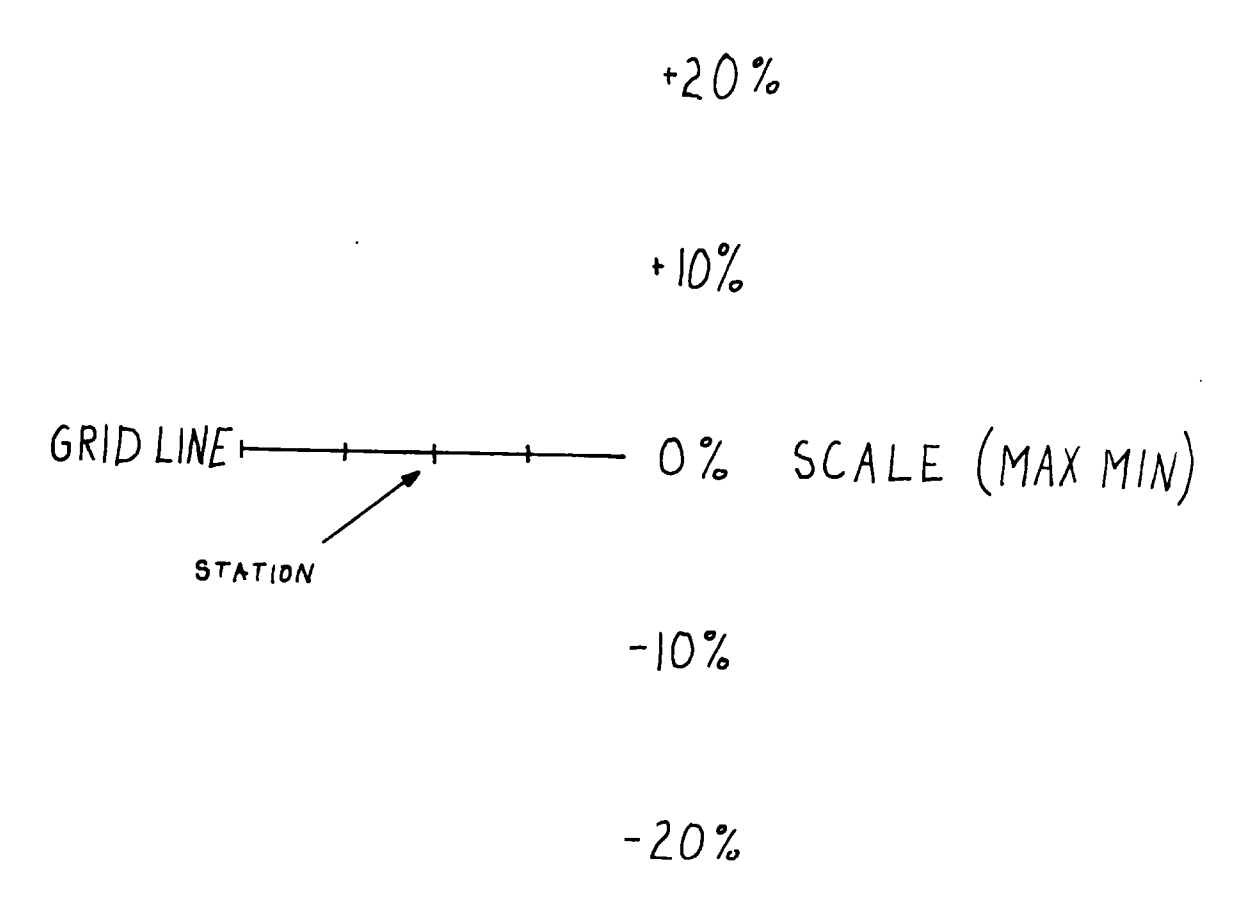


PHILLIP'S CHANNEL GROUP

MAP SCALE: 1"=50 m

GRID SPACING = 100 m  
PICKET/STATION = 25 m  
SHORE LINE - C

☒ - CLAIM POST  
KRL-000000 - CLAIM No.  
- - - CLAIM BOUNDARY



- - - IP PROFILE  
 - - - QP PROFILE  
 - CABLE LENGTH - 100 m  
 - FREQUENCY - 1777 Hz  
 DIRECTION OF TRAVEL  
 RX ← TX    RX - RECEIVER  
 TX → RX    TX - TRANSMITTER

MIDDLE BAY

