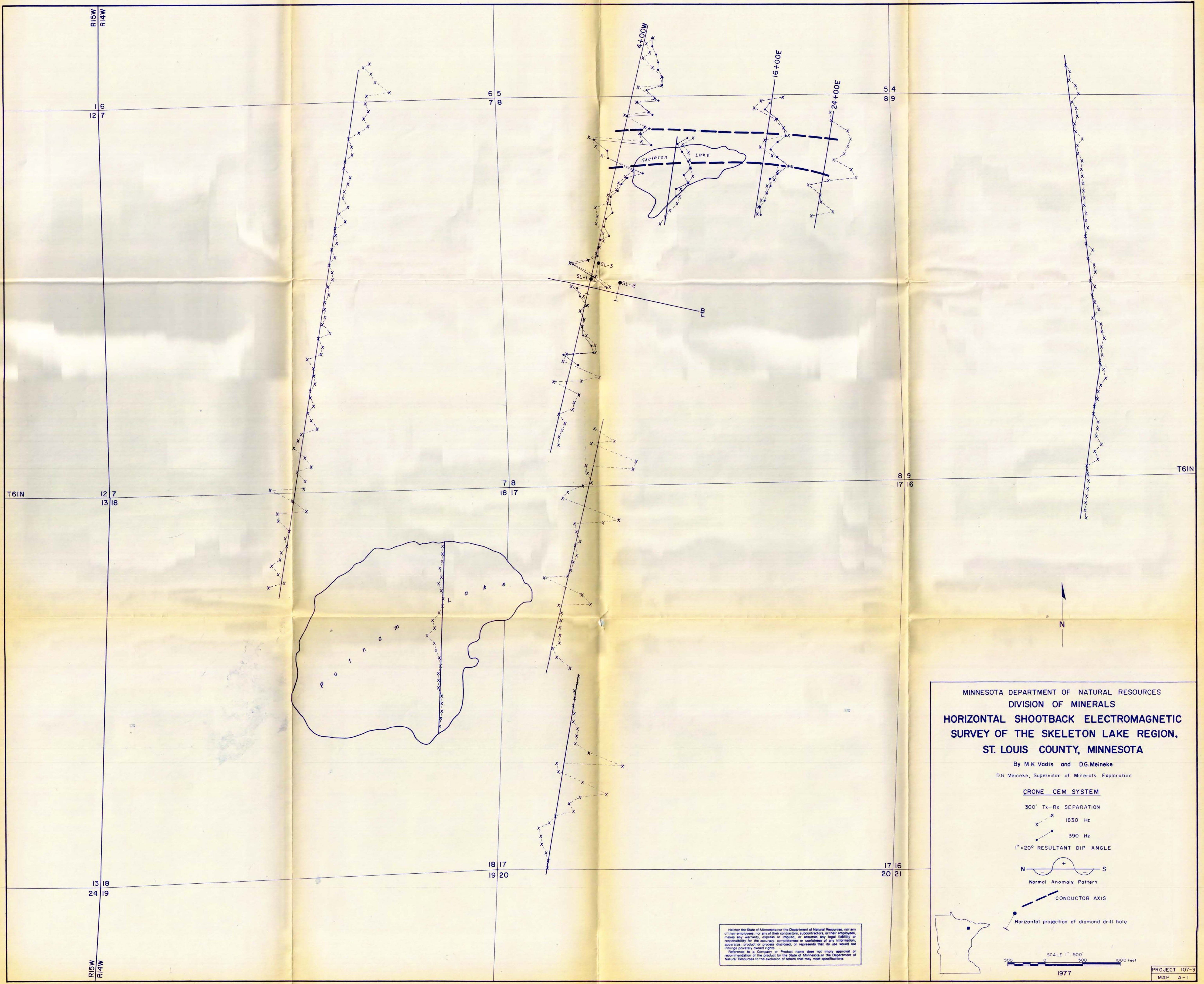




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MINNESOTA DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINERALS
**HORIZONTAL SHOOTBACK ELECTROMAGNETIC
SURVEY OF THE SKELETON LAKE REGION,
ST. LOUIS COUNTY, MINNESOTA**

By M.K. Vadis and D.G. Meineke
D.G. Meineke, Supervisor of Minerals Exploration

CRONE CEM SYSTEM

300' Tx-Rx SEPARATION
1830 Hz
390 Hz
1" = 20° RESULTANT DIP ANGLE

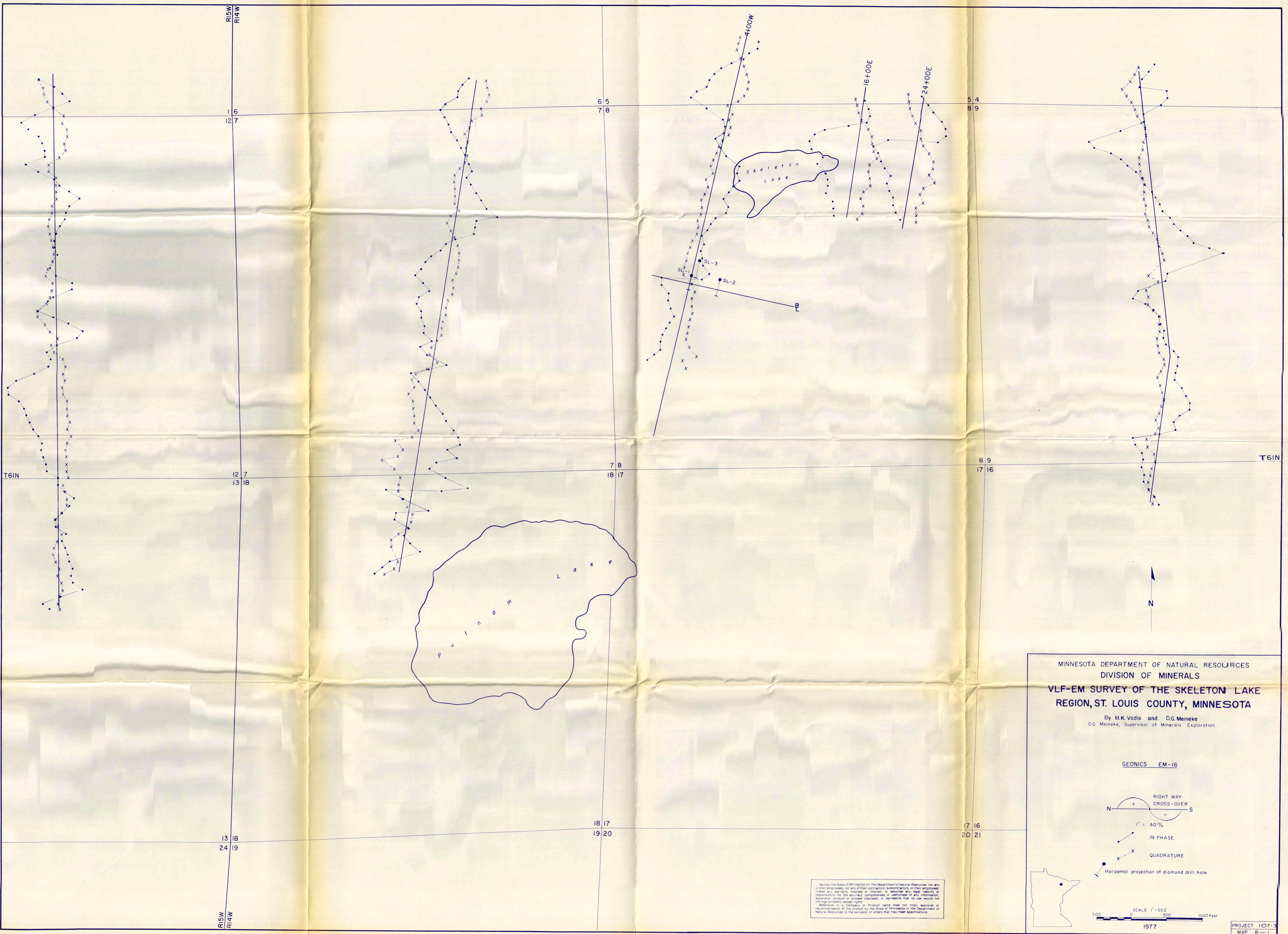
N S
Normal Anomaly Pattern

CONDUCTOR AXIS

Horizontal projection of diamond drill hole

SCALE 1" = 500'
500 0 500 1000 Feet

PROJECT 107-3
MAP A-1



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MINNESOTA DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINERALS
**VLF-EM SURVEY OF THE SKELETON LAKE
REGION, ST. LOUIS COUNTY, MINNESOTA**

By M.K. Vadis and D.G. Meineke
D.G. Meineke, Supervisor of Minerals Exploration

GEONICS EM-16

RIGHT WAY
CROSS-OVER

IN PHASE

QUADRATURE

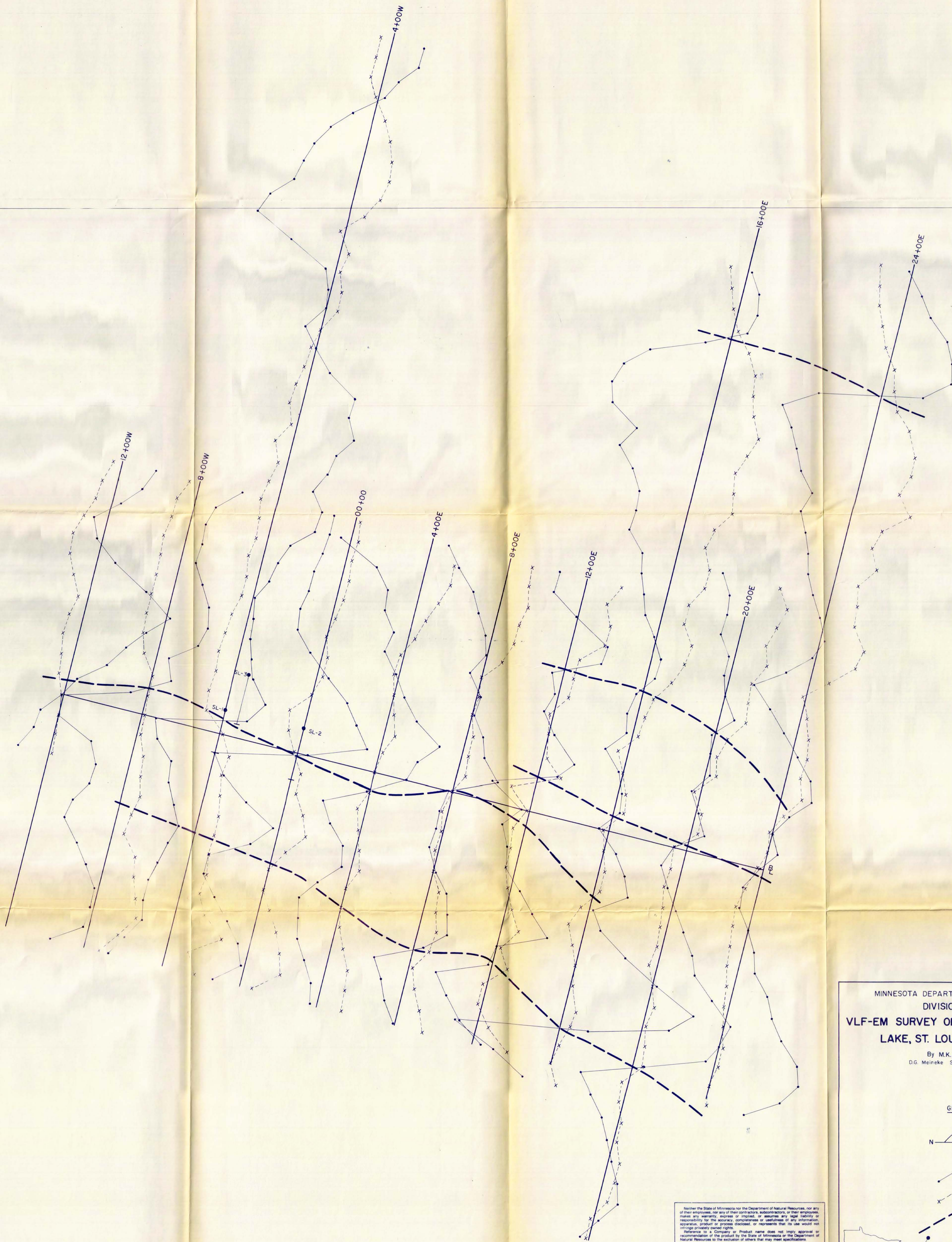
Horizontal projection of diamond drill hole

SCALE 1" = 500'

500 0 500 1000 Feet

1977

PROJECT 107-3
MAP B-1



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MINNESOTA DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINERALS
**VLF-EM SURVEY OF AN AREA NEAR SKELETON
LAKE, ST. LOUIS COUNTY, MINNESOTA**

By M.K. Vadis and D.G. Meineke
D.G. Meineke, Supervisor of Minerals Exploration

GEONICS EM-16

RIGHT WAY
CROSS-OVER

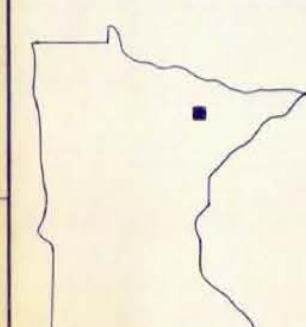
1" = 20%

IN PHASE

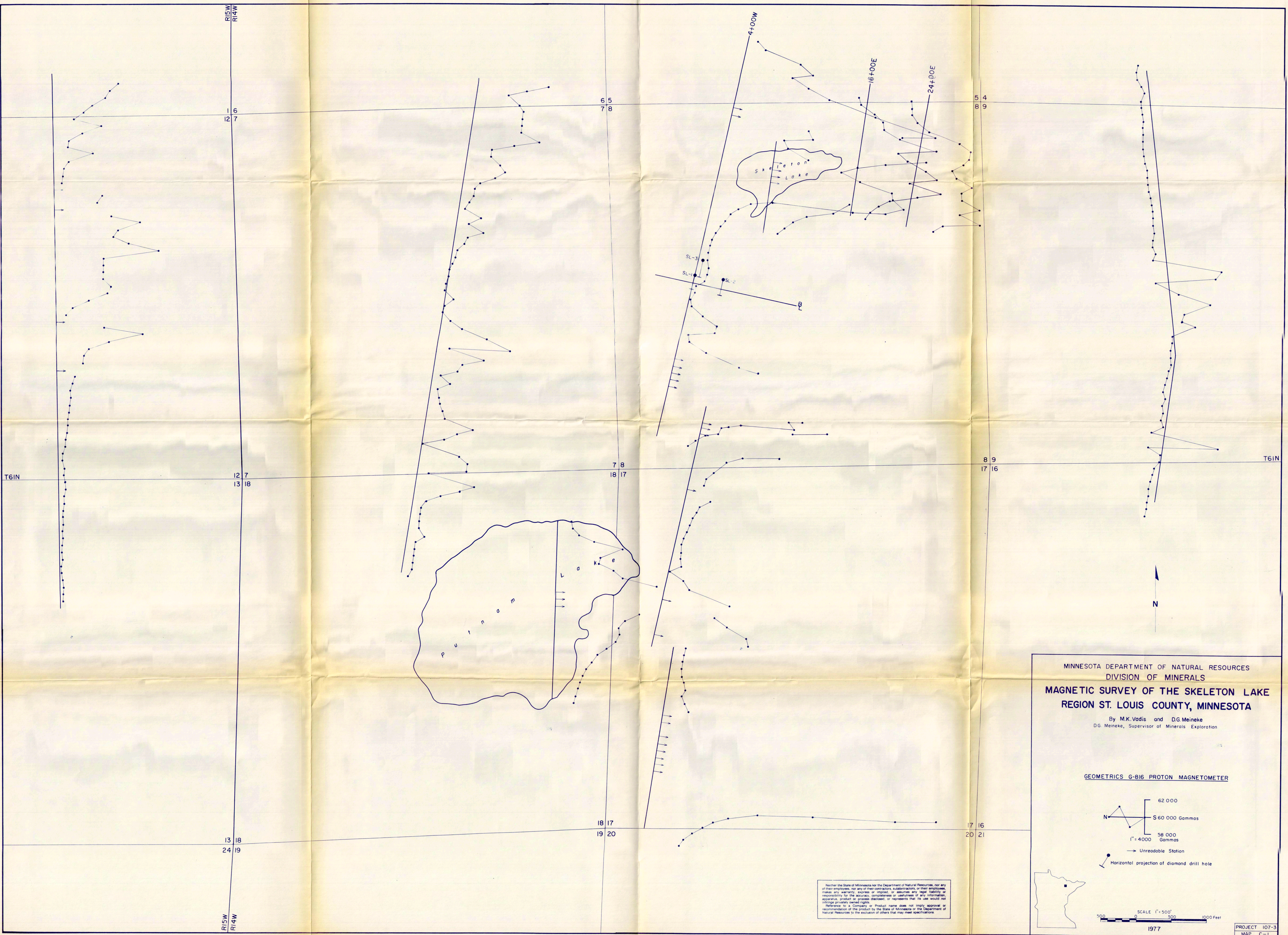
QUADRATURE

CONDUCTOR AXIS

Horizontal projection of diamond drill hole



SCALE 1" = 200'
200 0 200 400 Feet
1977



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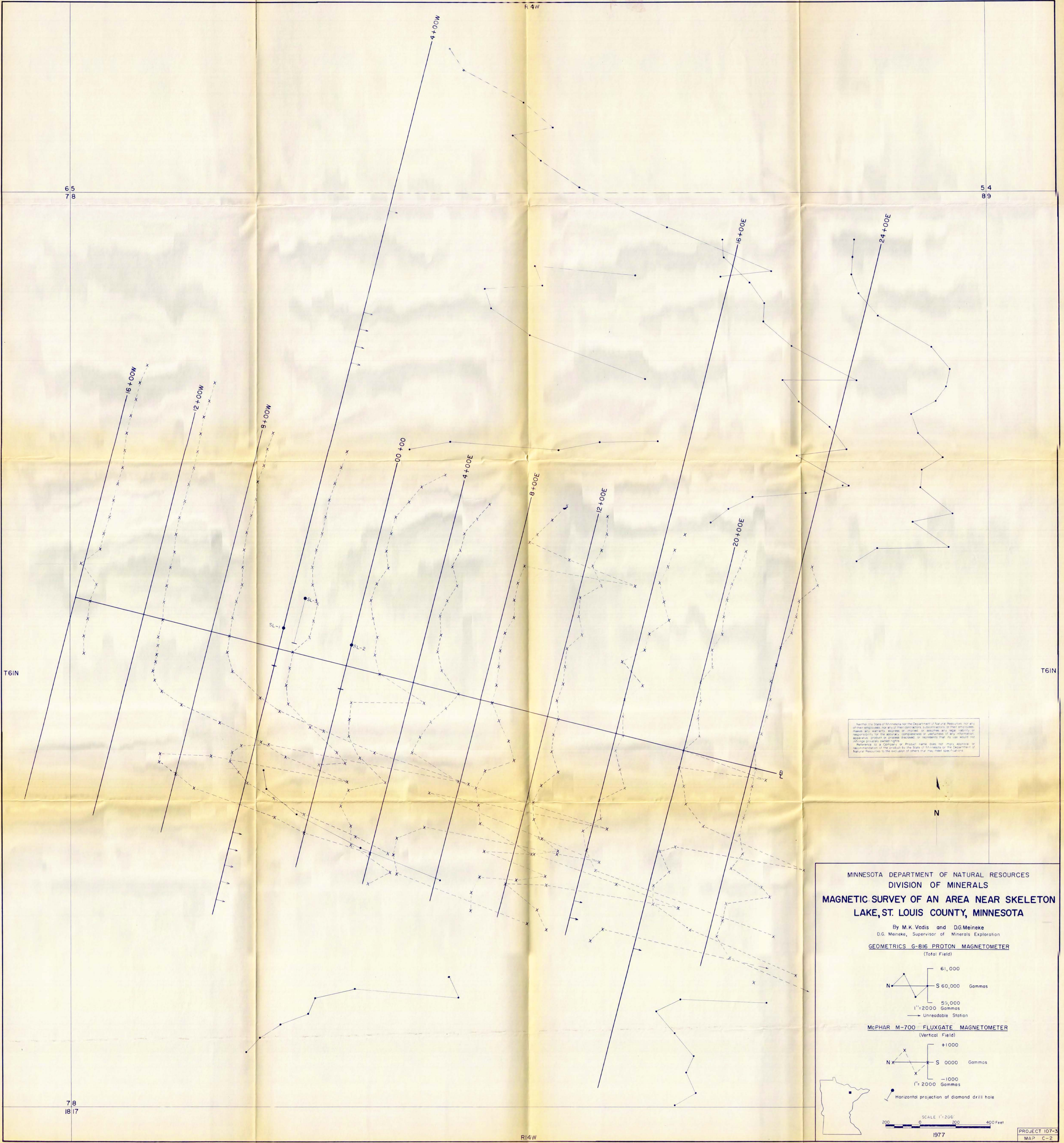
MINNESOTA DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINERALS
**MAGNETIC SURVEY OF THE SKELETON LAKE
REGION ST. LOUIS COUNTY, MINNESOTA**
By M.K. Vadis and D.G. Meineke
D.G. Meineke, Supervisor of Minerals Exploration

GEOMETRICS G-816 PROTON MAGNETOMETER

62 000
S 60 000 Gammas
58 000
40 000
1" = 4000
Unreadable Station
Horizontal projection of diamond drill hole

SCALE 1" = 500'
500 0 500 1000 Feet
1977

PROJECT 107-3
MAP C-1



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MINNESOTA DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINERALS
**MAGNETIC SURVEY OF AN AREA NEAR SKELETON
LAKE, ST. LOUIS COUNTY, MINNESOTA**

By M.K. Vadis and D.G. Meineke
D.G. Meineke, Supervisor of Minerals Exploration

GEOMETRICS G-816 PROTON MAGNETOMETER
(Total Field)

61,000
56,000 Gammas
50,000
1"=2000 Gammas
Unreadable Station

McPHAR M-700 FLUXGATE MAGNETOMETER
(Vertical Field)

+1000
0000 Gammas
-1000
1"=2000 Gammas

Horizontal projection of diamond drill hole

SCALE 1"=200'
0 200 400 Feet

1977

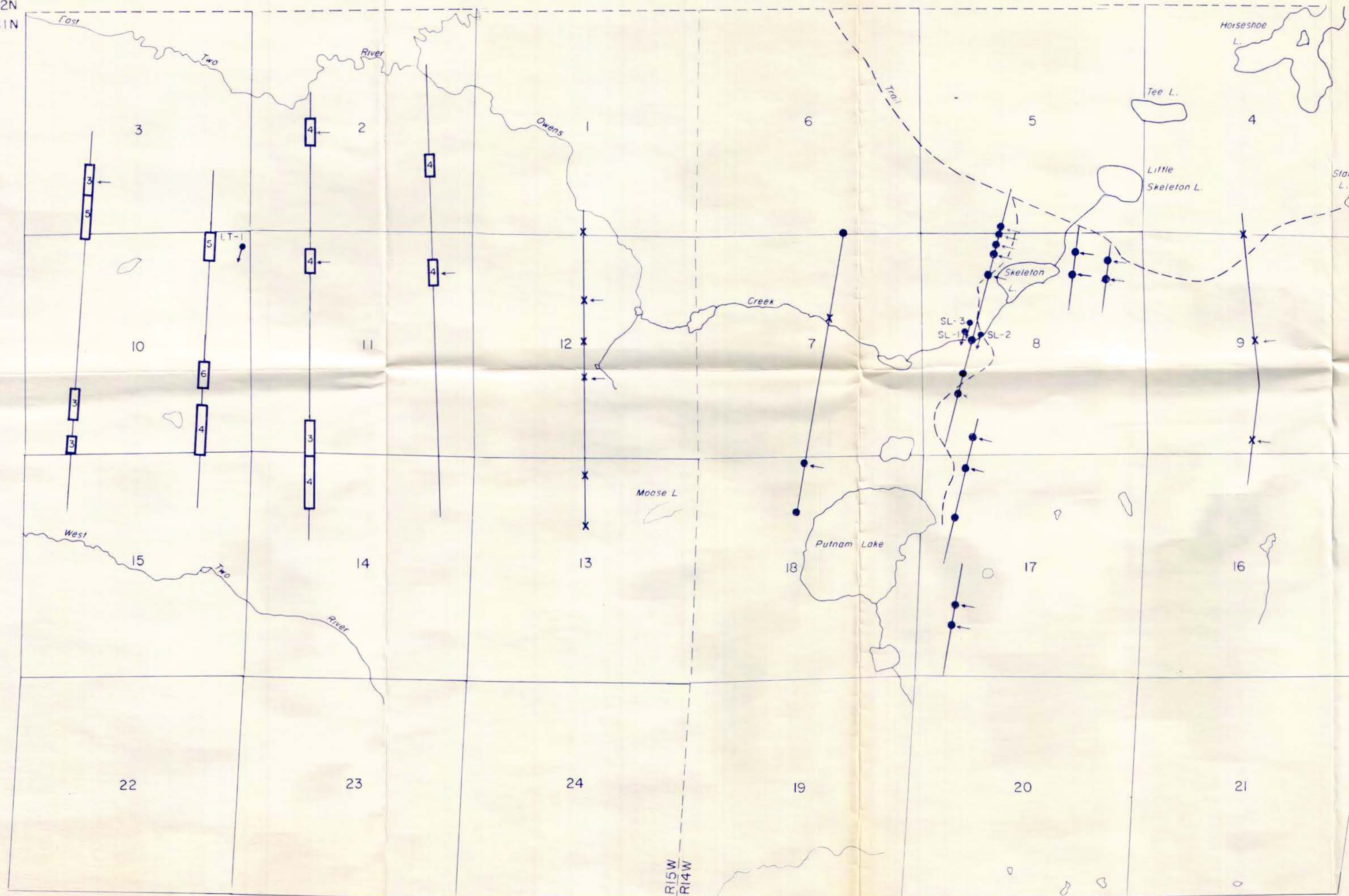
PROJECT 107-3
MAP C-2

T62N
T61N

T62N
T61N

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MINNESOTA DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINERALS
CONDUCTIVE ZONES OF ELECTROMAGNETIC
SURVEYS IN THE SKELETON LAKE REGION,
ST. LOUIS COUNTY, MINNESOTA

By M.K. Vadis and D.G. Meineke
D.G. Meineke, Supervisor of Minerals Exploration

- 3 Input Survey with Channel Response
- ← High Magnetic Response Associated
- X VLF-EM Crossover
- CEM Horizontal Shootback Anomaly
- ◆ Diamond Drill Hole



SCALE 1:24000

1977

PROJECT 107-3
MAP D