

GEOLOGY, GEOPHYSICS AND GEOCHEMISTRY

REPORT MAPS

Volume II of II

LOG NO: 0420	RD.
ACTION:	
FILE NO:	

OPAL LAKE PROPERTY

N.T.S. 104J/13

ATLIN MINING DIVISION

BRITISH COLUMBIA

FOR EQUITY SIVER MINES

#13 - 1155 MELVILLE STREET

VANCOUVER, B.C.

V6E 4C4

BY STETSON RESOURCE MANAGEMENT

#14 - 1155 MELVILLE STREET

VANCOUVER, B.C.

V6E 4C4

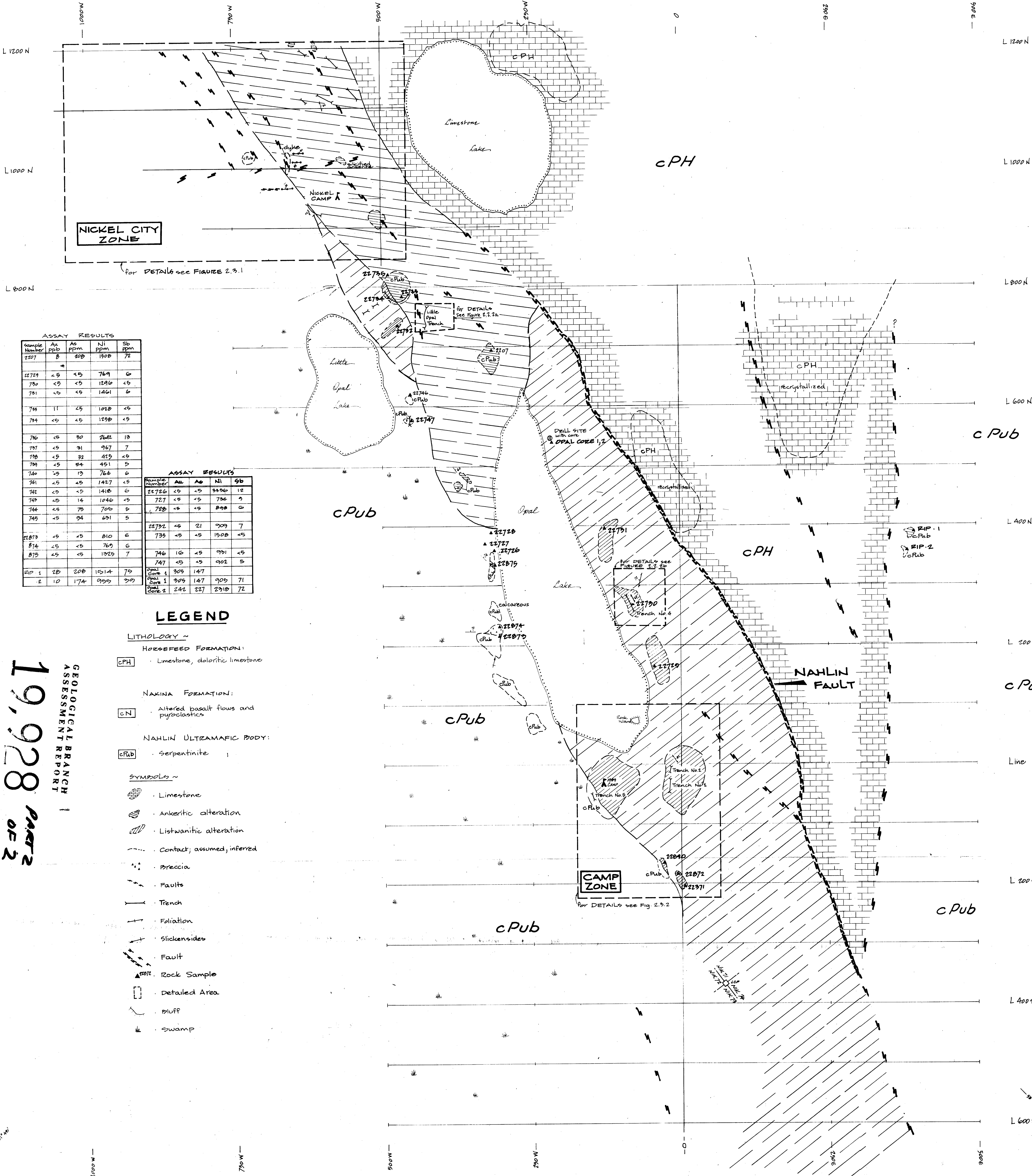
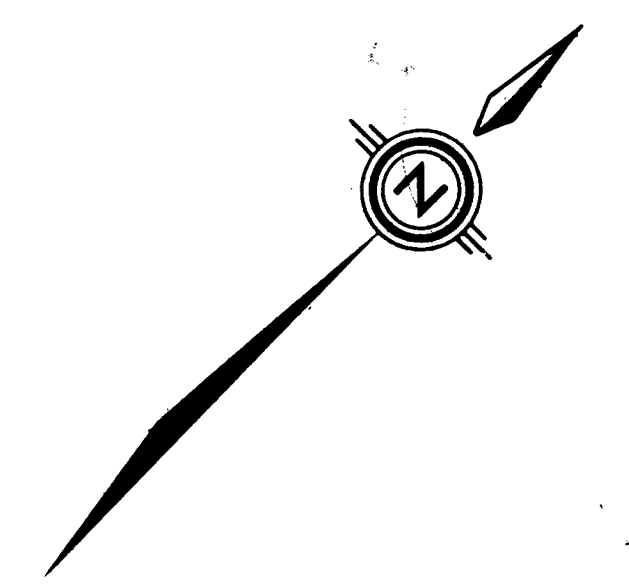
GEOLOGICAL BRANCH  
ASSESSMENT REPORT

19,928

PART 2  
OF 2

J.Wetherill, B.A.Sc.

FEBRUARY 9, 1990



ridge of CN  
Location approximate

**ASSAY RESULTS**

Sample Number	As ppm	Ni ppm	Sb ppm
2207	8	1500	72
22729	<5	15	769
730	<5	<5	1296
731	<5	<5	1461
733	11	<5	1028
734	<5	<5	1298
736	<5	30	2642
737	<5	31	967
738	<5	32	425
739	<5	34	451
740	<5	13	766
741	<5	<5	1427
742	<5	<5	1418
743	<5	14	1046
744	<5	75	705
745	<5	94	631
22873	<5	<5	810
874	<5	<5	769
875	<5	<5	1323
2207	20	1514	79
2	10	174	959

**ASSAY RESULTS**

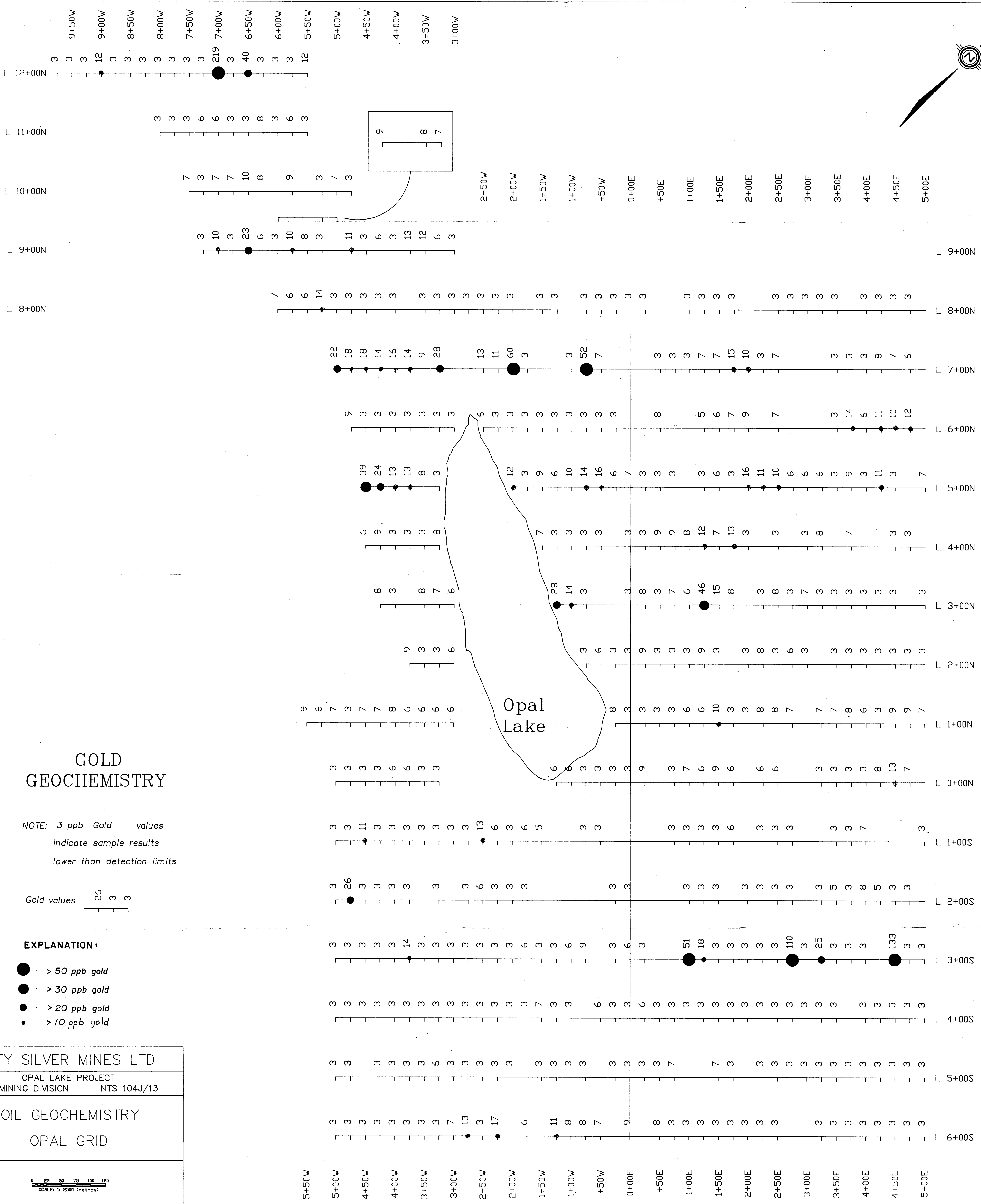
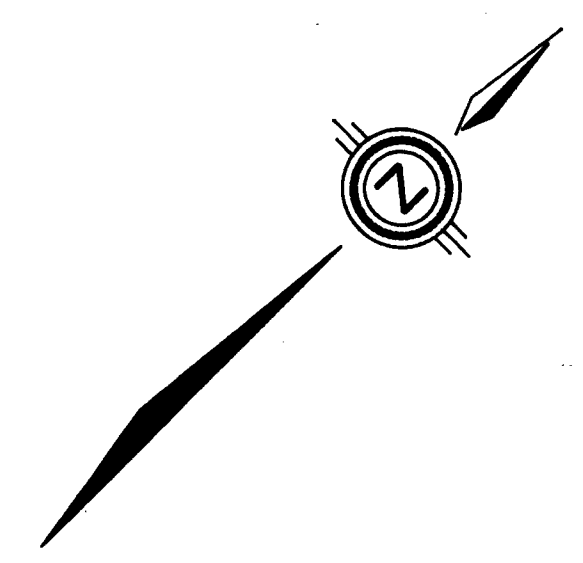
Sample Number	As ppm	Ni ppm	Sb ppm
22726	<5	<5	3350
727	<5	<5	794
728	<5	<5	898
22732	<5	21	909
735	<5	<5	1508
746	16	<5	931
747	<5	<5	902
Opal Core 1	209	147	
Opal Core 2	209	147	909
Opal Core 3	242	227	2318

**LEGEND**

- LITHOLOGY ~**
- Horstfeld Formation:**
    - cPH - Limestone, dolomitic limestone
  - Naxina Formation:**
    - cn - altered basalt flows and pyroclastics
  - NAHLIN ULTRAMAFIC BODY:**
    - cPub - serpentinite
- SYMBOLS ~**
- Limestone
  - Ankeritic alteration
  - Listwanitic alteration
  - Contact; assumed, inferred
  - Breccia
  - Faults
  - Trench
  - Foliation
  - Slickensides
  - Fault
  - Rock Sample
  - Detailed Area
  - Bluff
  - Swamp

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 GEOLOGICAL BRANCH  
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EQUITY SILVER MINES LTD  
 OPAL LAKE GRID  
 ATLIN MINING DISTRICT (124)/12W  
**PROPERTY GEOLOGY**  
 Date: January 1990 Figure No. 2.2.2  
 Drawn by: JW/vh  
 Prepared by: STETSON RESOURCE MGT. CORP.



**GOLD  
GEOCHEMISTRY**

NOTE: 3 ppb Gold values  
indicate sample results  
lower than detection limits

Gold values 26 3 3

**EXPLANATION:**

- > 50 ppb gold
- > 30 ppb gold
- > 20 ppb gold
- > 10 ppb gold

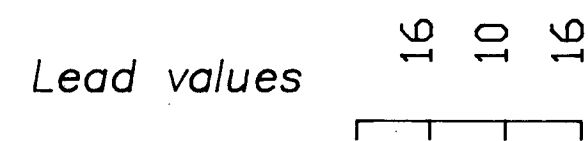
GEOLOGICAL BRANCH  
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EQUITY SILVER MINES LTD	
OPAL LAKE PROJECT	ATLIN MINING DIVISION NTS 104J/13
SOIL GEOCHEMISTRY	
OPAL GRID	
DATED: DECEMBER 27, 1989      FIGURE No. 3.1 DRAWN BY: J. WETHERILL	

# LEAD GEOCHEMISTRY

NOTE: 1 ppm Lead values  
indicate sample results  
lower than detection limits

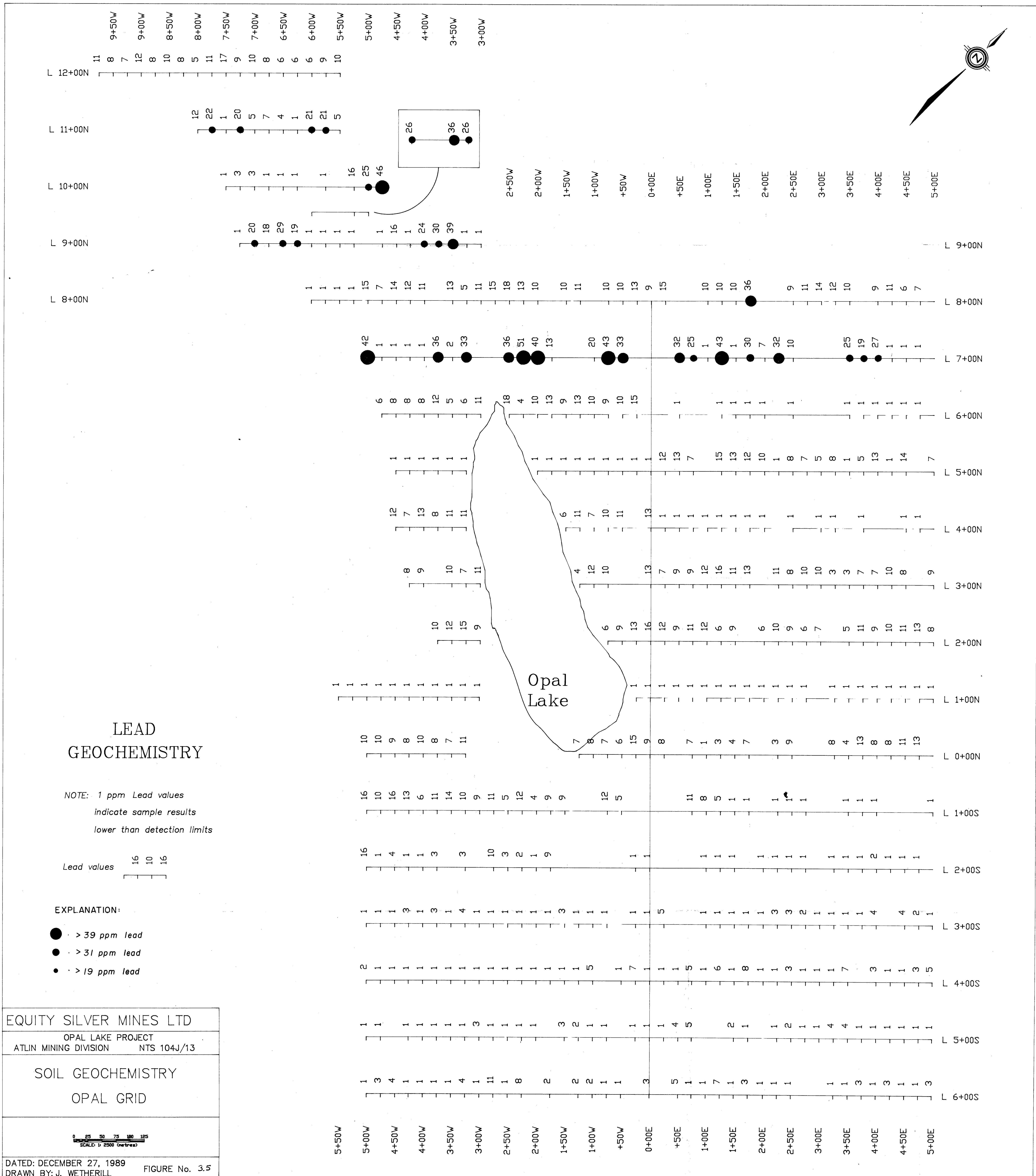


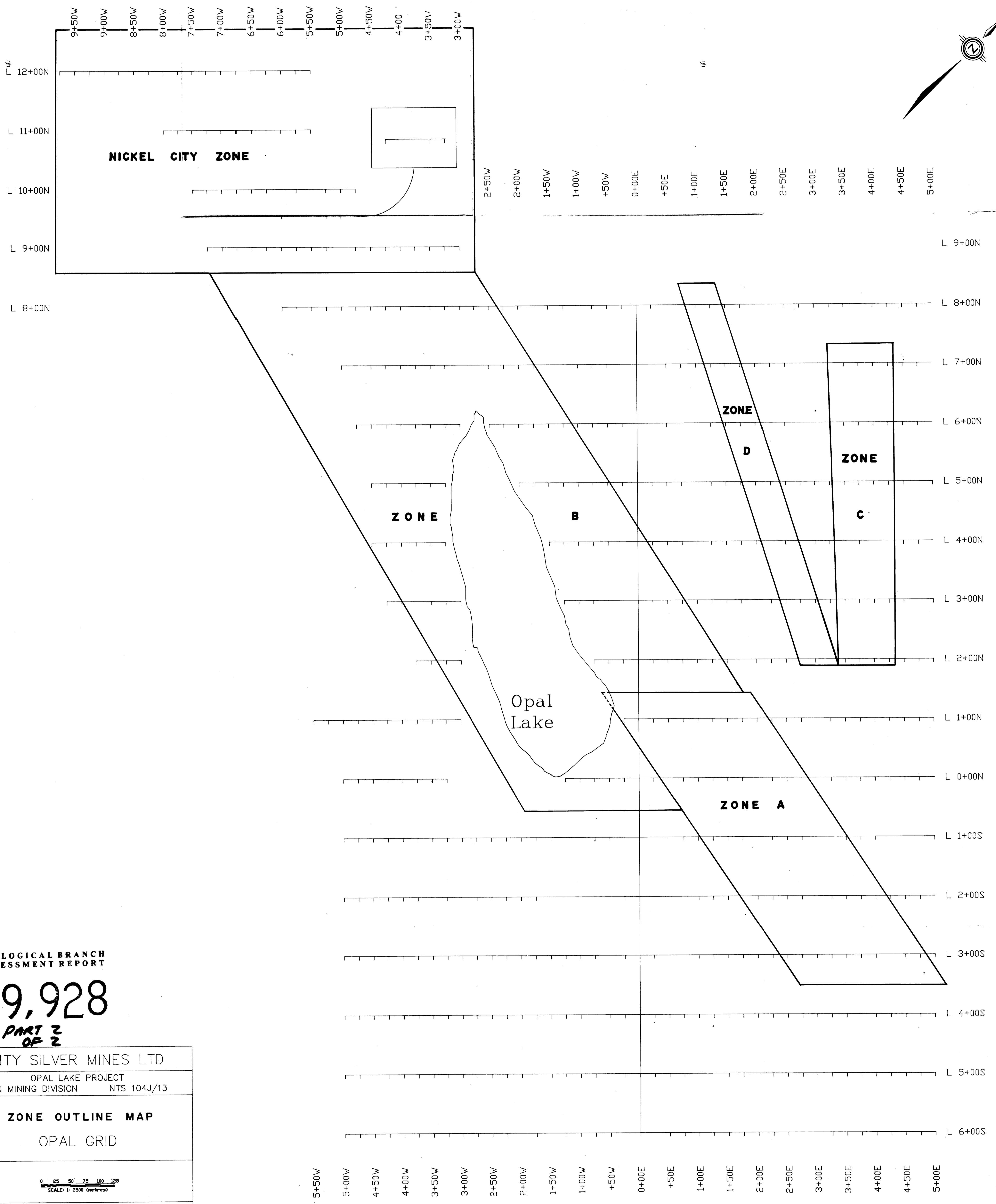
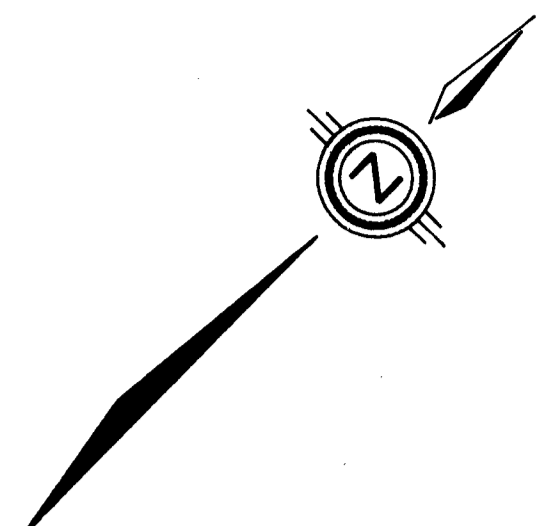
EXPLANATION:

- > 39 ppm lead
- > 31 ppm lead
- > 19 ppm lead

EQUITY SILVER MINES LTD	
OPAL LAKE PROJECT	
ATLIN MINING DIVISION	NTS 104J/13
SOIL GEOCHEMISTRY	
OPAL GRID	
DATED: DECEMBER 27, 1989	FIGURE No. 3.5
DRAWN BY: J. WETHERILL	

Prepared by: STETSON RESOURCE MGMT. CORP.



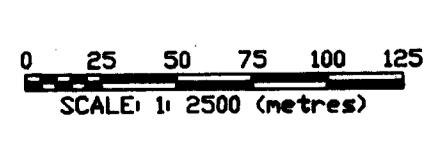


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EQUITY SILVER MINES LTD  
OPAL LAKE PROJECT  
ATLIN MINING DIVISION NTS 104J/13

**ZONE OUTLINE MAP**  
OPAL GRID



DATED: DECEMBER 27, 1989  
DRAWN BY: J. WETHERILL

FIGURE No. 3.0

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EQUITY SILVER MINES LTD  
OPAL LAKE PROJECT  
ATLIN MINING DIVISION NTS 104J/13  
SOIL GEOCHEMISTRY  
OPAL GRID

0 25 50 75 100 125  
SCALE: 1:2500 (metres)

DATED: DECEMBER 27, 1989  
DRAWN BY: J. WETHERILL

FIGURE No. 3.2

Prepared by: STETSON RESOURCE MGMT. CORP.

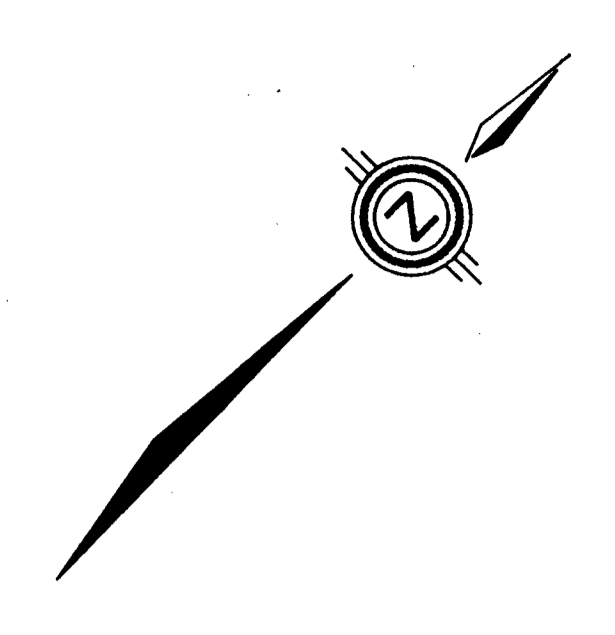
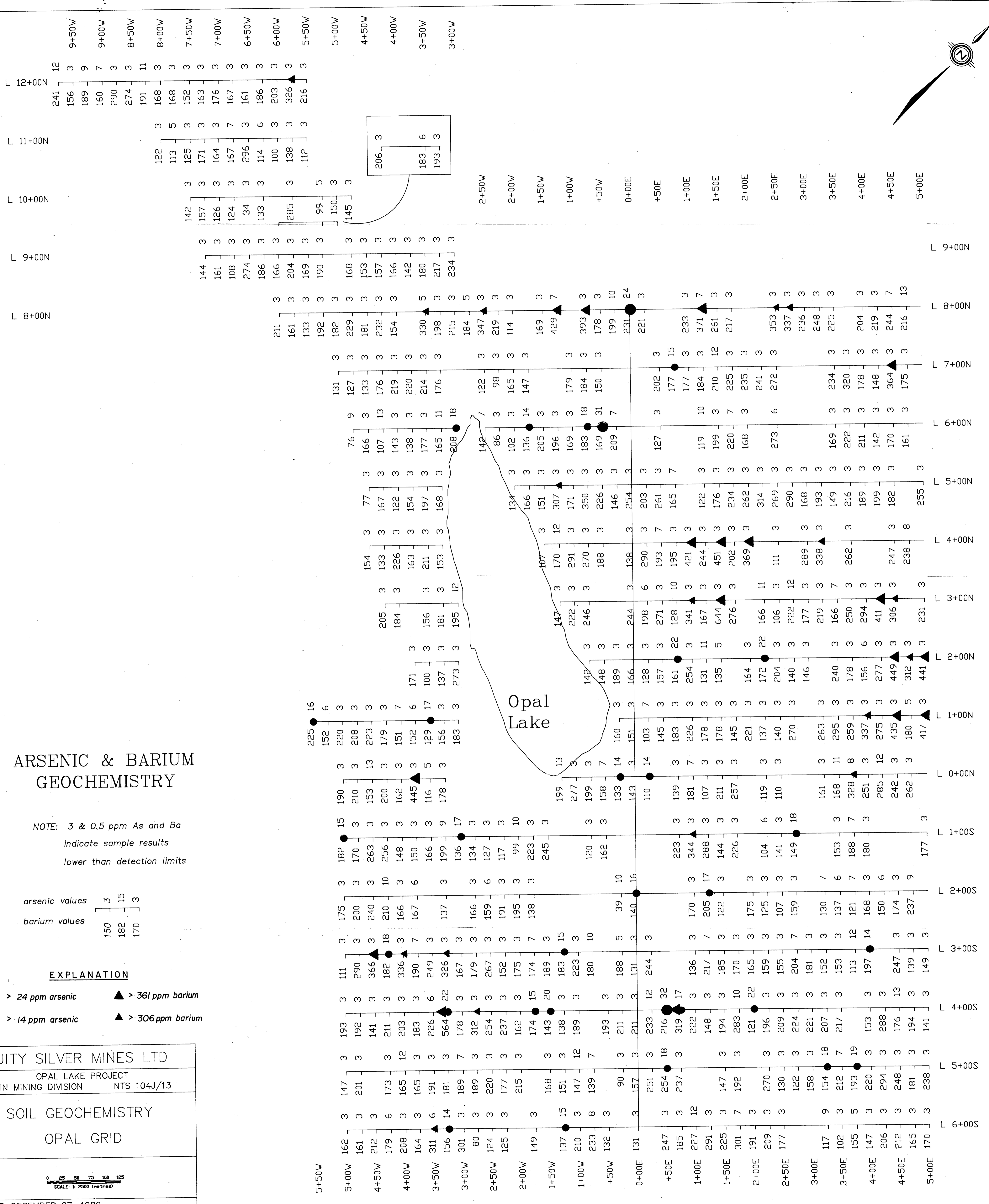
### ARSENIC & BARIUM GEOCHEMISTRY

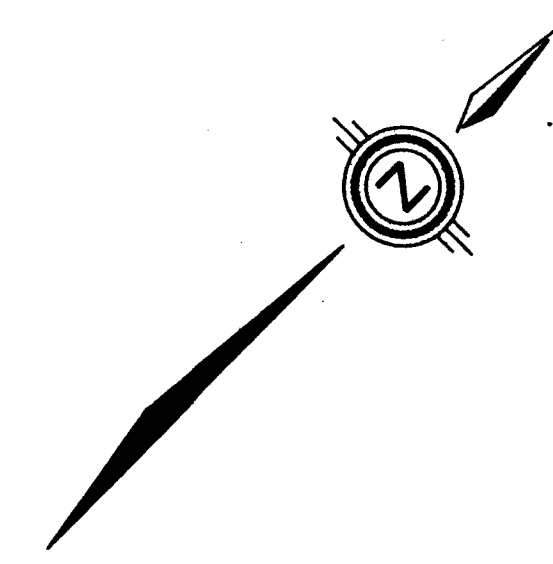
NOTE: 3 & 0.5 ppm As and Ba  
indicate sample results  
lower than detection limits

arsenic values 3 15 3  
barium values 150 182 170

#### EXPLANATION

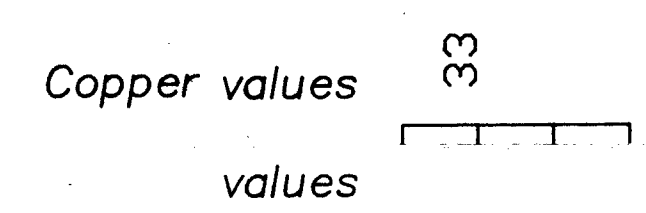
- > 24 ppm arsenic
- > 14 ppm arsenic
- ▲ > 361 ppm barium
- ▲ > 306 ppm barium





# COPPER GEOCHEMISTRY

NOTE: 0.5 ppm Copper values  
indicate sample results  
lower than detection limits



### EXPLANATION:

- > 65 ppm copper
- > 53 ppm copper

# 1926'6T

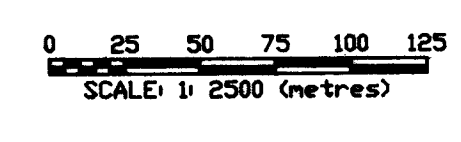
GEOSCIENTIFIC  
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EQUITY SILVER MINES LTD

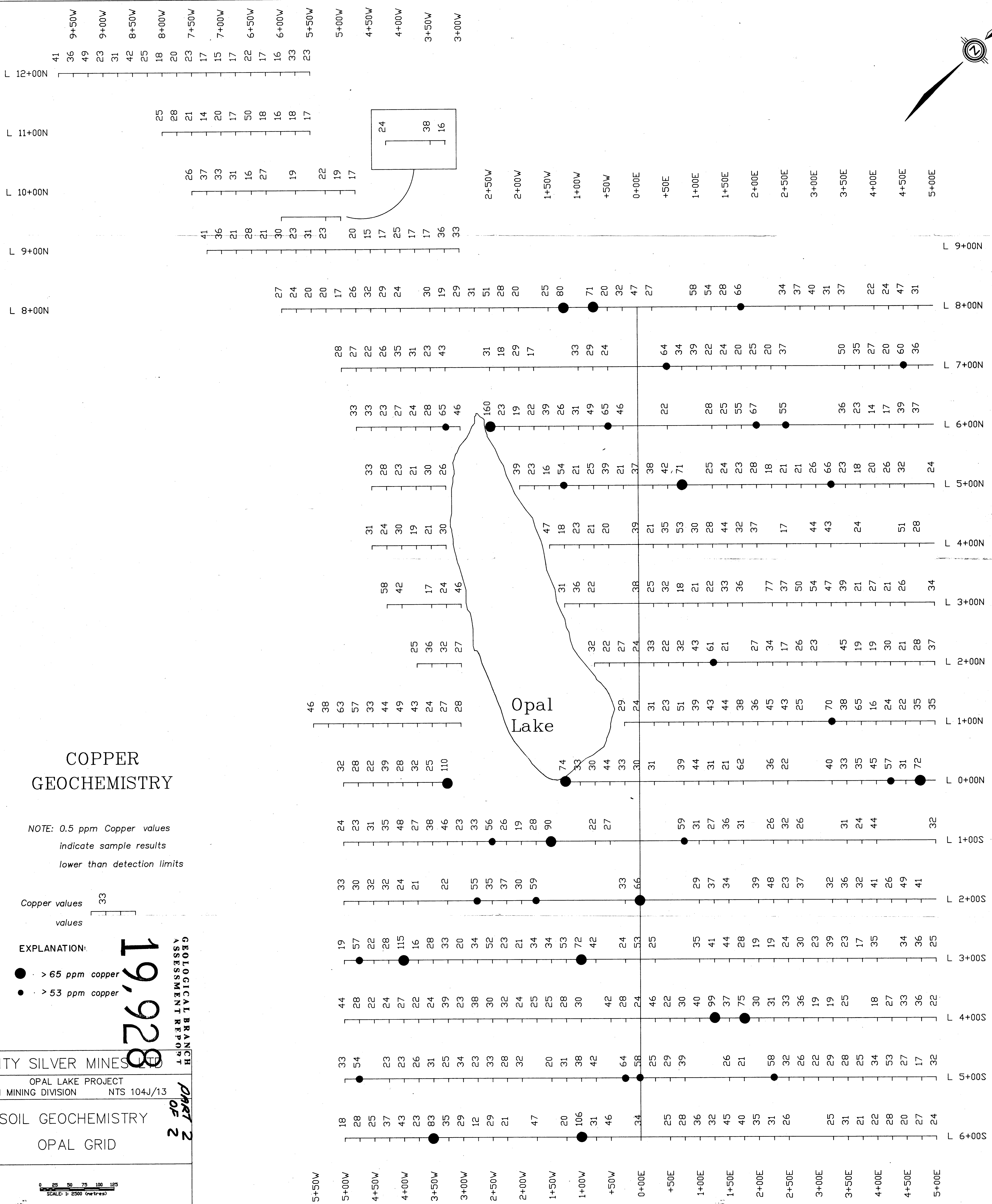
OPAL LAKE PROJECT  
ATLIN MINING DIVISION NTS 104J/13

SOIL GEOCHEMISTRY  
OPAL GRID



DATED: DECEMBER 27, 1989  
DRAWN BY: J. WETHERILL  
FIGURE No. 3.4

Prepared by: STETSON RESOURCE MGMT. CORP.

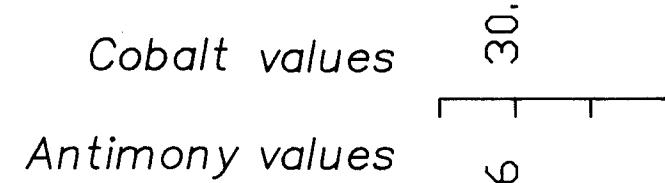


# COBALT & ANTIMONY GEOCHEMISTRY

NOTE: 0.3 ppm Cobalt and 3 ppm Antimony

indicate sample results

lower than detection limits



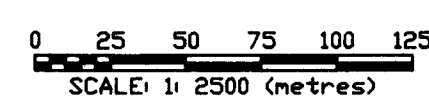
**EXPLANATION:**

- > 90 ppm cobalt    ▲ > 19 ppm antimony
- > 65 ppm cobalt    ▲ > 13 ppm antimony
- > 35 ppm cobalt    ▲ > 12 ppm antimony

EQUITY SILVER MINES LTD

OPAL LAKE PROJECT  
MINING DIVISION    NTS 104J/13

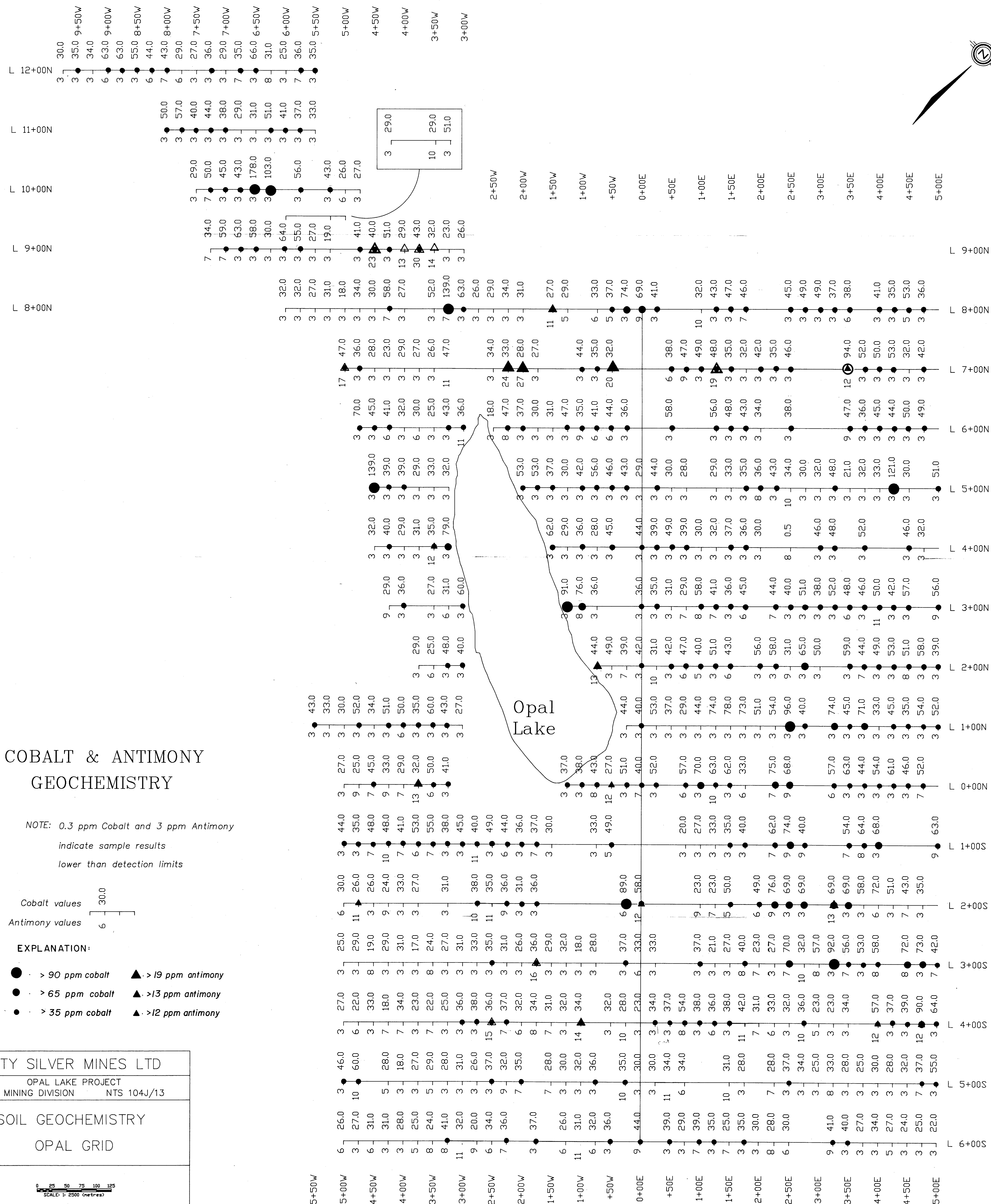
SOIL GEOCHEMISTRY  
OPAL GRID



DATED: DECEMBER 27, 1989  
DRAWN BY: J. WETHERILL

FIGURE No. 3.3

Prepared by: STETSON RESOURCE MGMT. CORP.

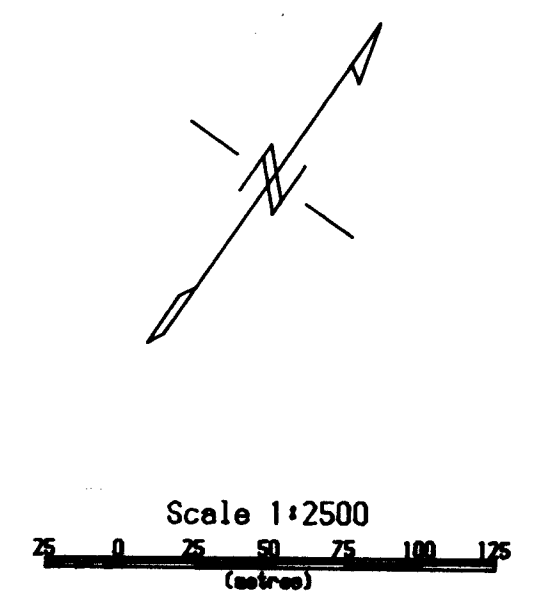
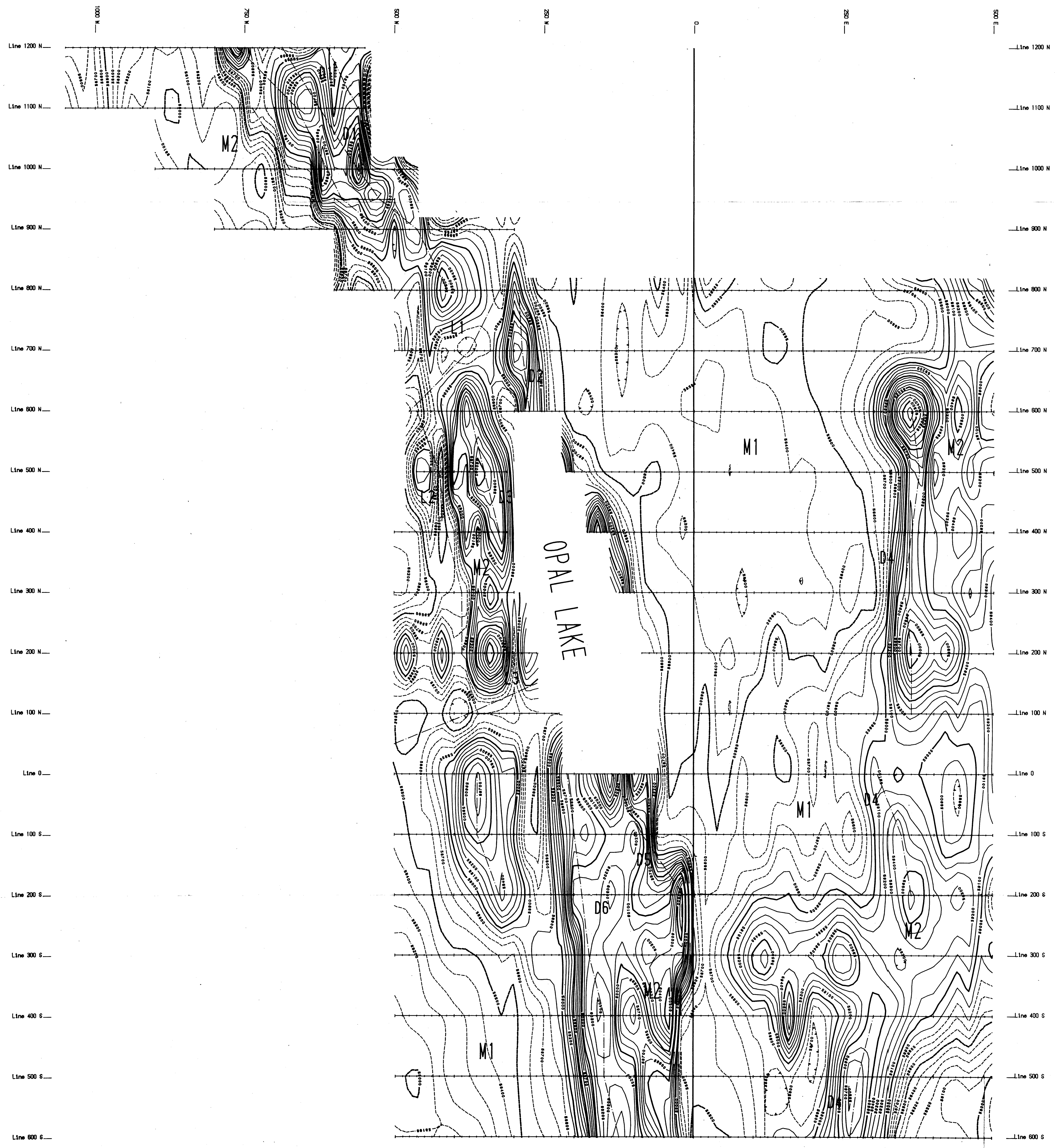


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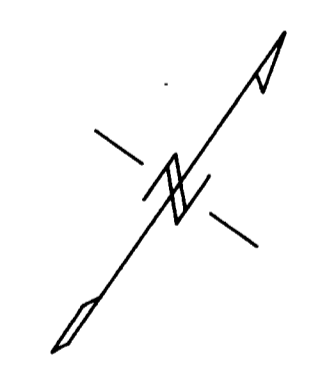
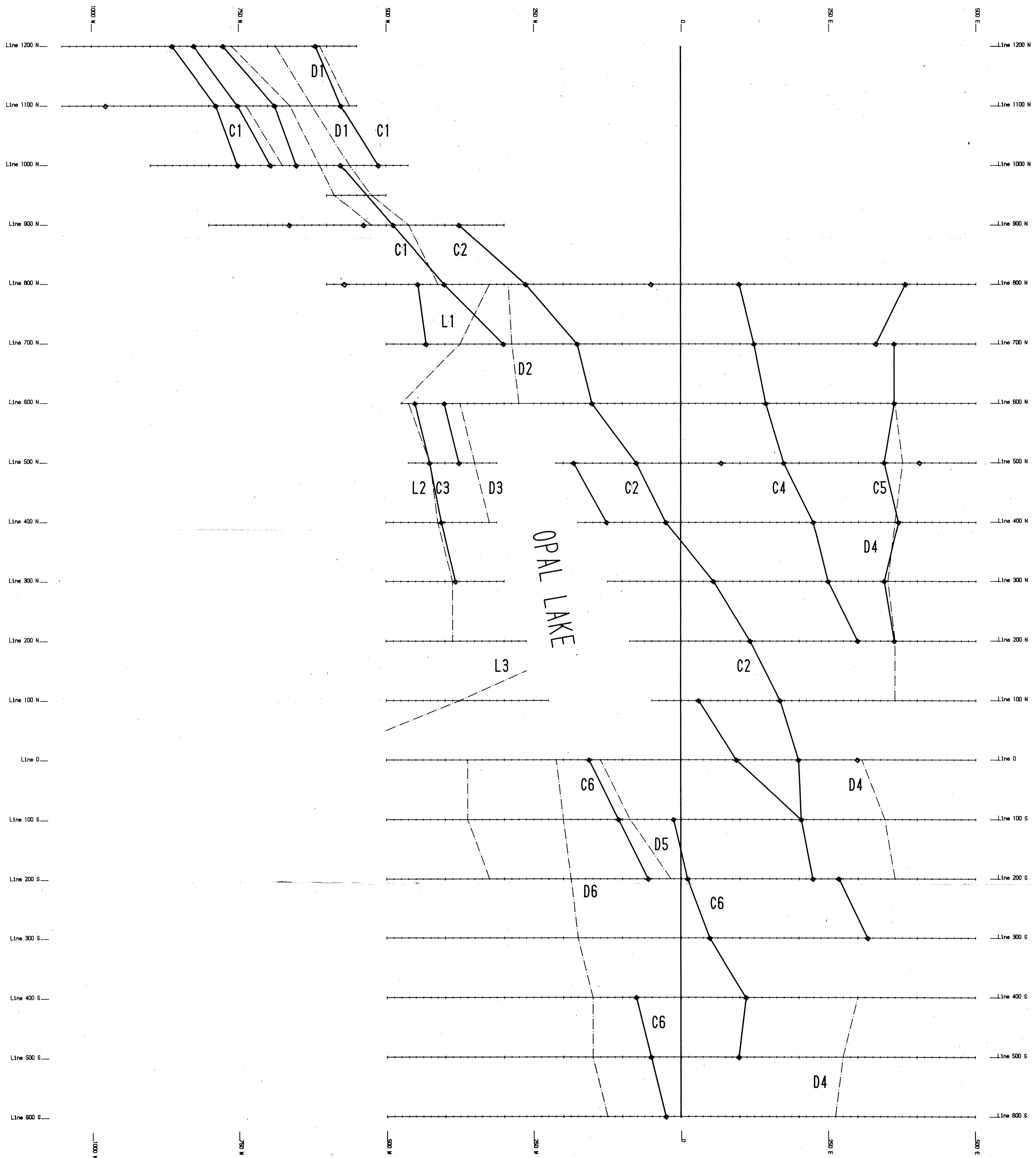




**LEGEND**  
 Contour Interval  
 < 58900 > 58900  
 n1 n1  
 --- 50 n1  
 --- 500  
 M1 M2  
 --- Magnetic  
 --- Geological Branch Assessment Report

**EQUITY SILVER MINES LIMITED**  
 Total Field Magnetic Contours  
**OPAL LAKE GRID**  
 Opal Lake Claims  
 Figure # 6-3 NTS: 104 J/13M  
 Surveyed by Stetson Resource Management Corp.  
 Interpretex Resources Ltd.

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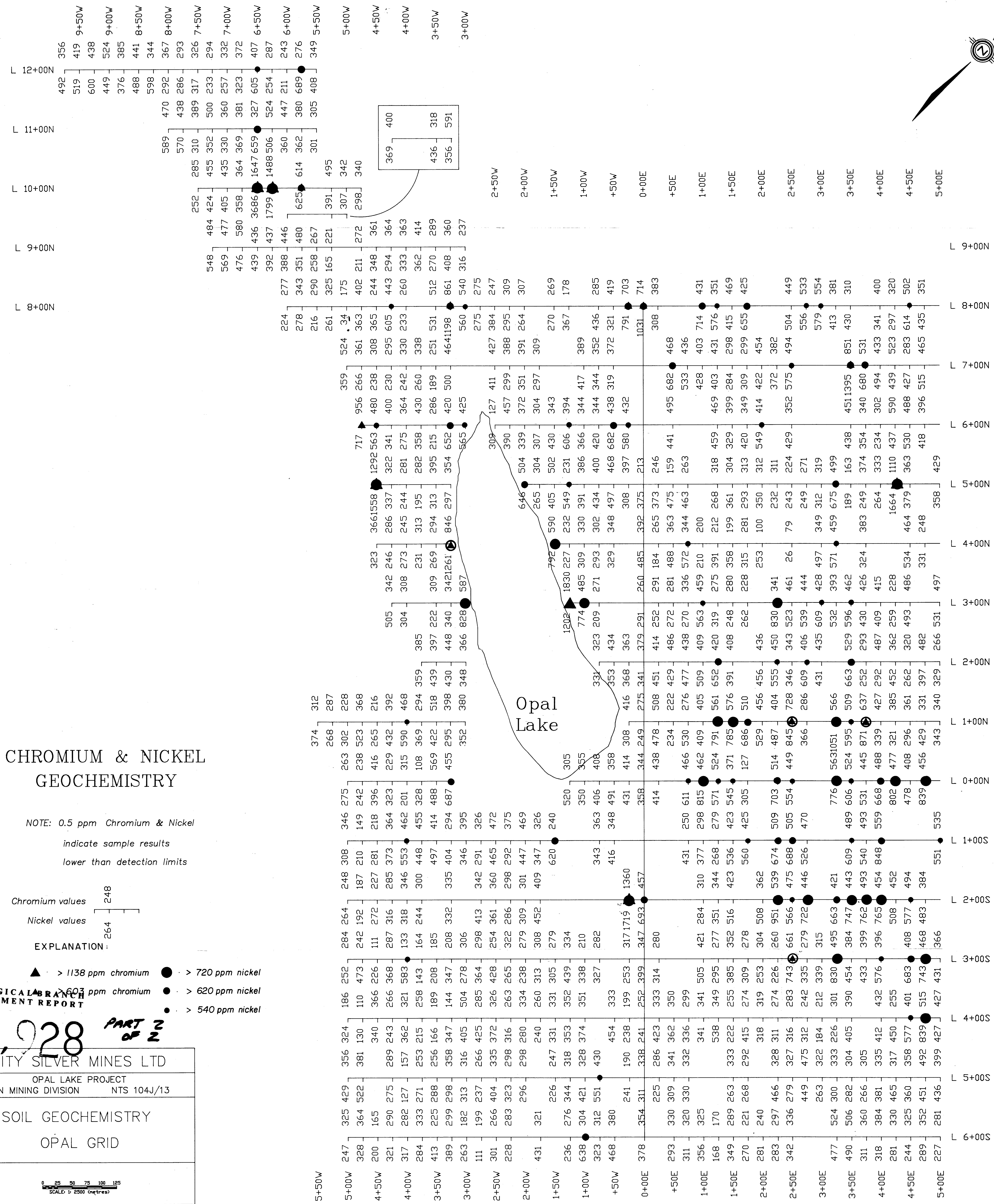
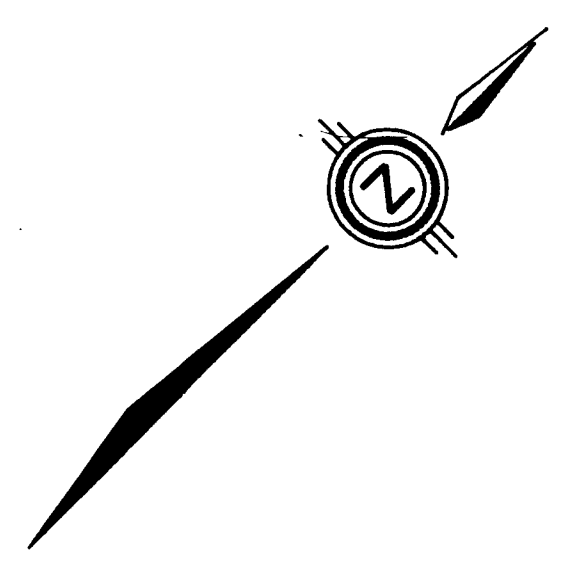
Scale 1:2500  
 0 25 50 75 100 125  
 (metres)

GEOLOGICAL BRANCH  
 ASSESSMENT REPORT

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C6 —◆— VLF-EM Conductor  
 D2, L2 - - - - - Magnetic Lineament

**EQUITY SILVER MINES LIMITED**  
 Geophysical Interpretation Map  
 OPAL LAKE GRID  
 Opal Lake Claims  
 Figure # 6-4 NTS: 104 J/13N  
 Surveyed by Stetson Resource Management Corp.  
 Interpretex Resources Ltd.



**CHROMIUM & NICKEL GEOCHEMISTRY**

NOTE: 0.5 ppm Chromium & Nickel indicate sample results lower than detection limits

Chromium values: 264, 248  
Nickel values: 264

EXPLANATION:  
▲ > 1138 ppm chromium  
● > 720 ppm nickel  
● > 603 ppm chromium  
● > 620 ppm nickel  
● > 540 ppm nickel

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EQUITY SILVER MINES LTD

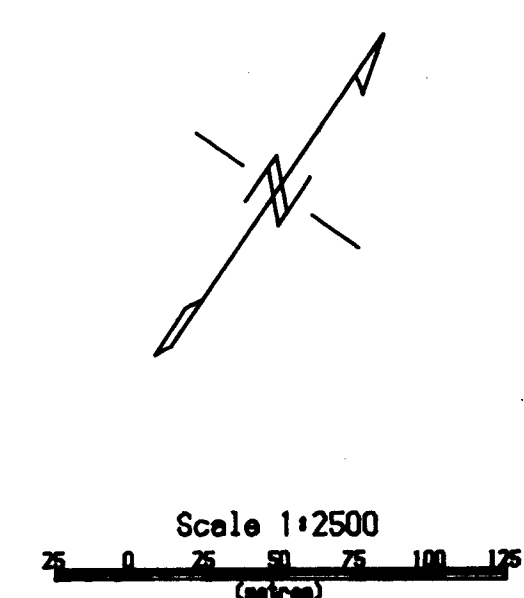
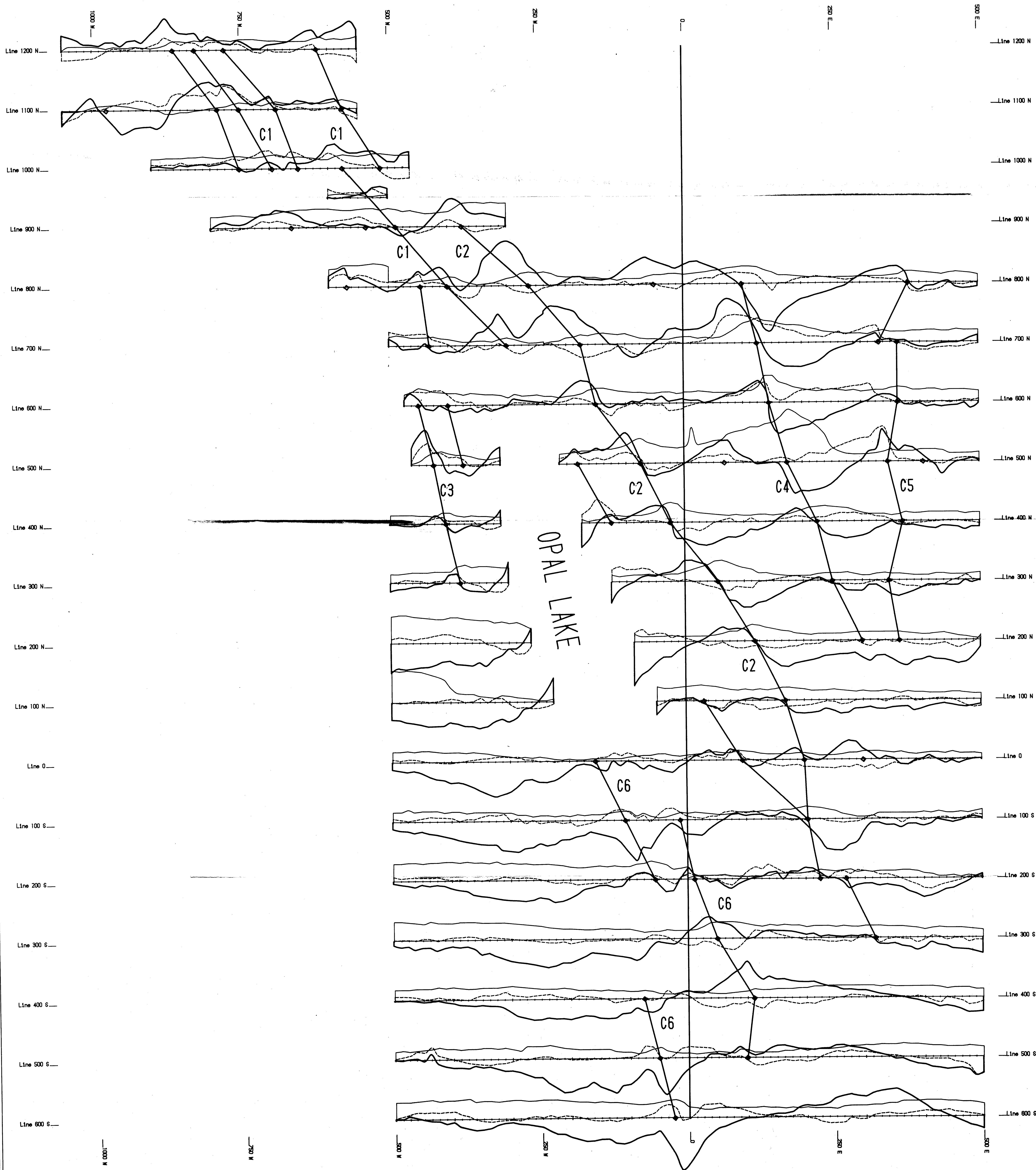
OPAL LAKE PROJECT  
ATLIN MINING DIVISION NTS 104J/13

SOIL GEOCHEMISTRY  
OPAL GRID

SCALE: 1:2500 (metres)

DATED: DECEMBER 27, 1989  
DRAWN BY: J. WETHERILL

FIGURE No. 3.6



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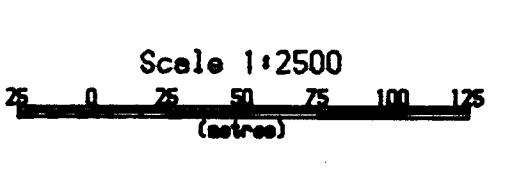
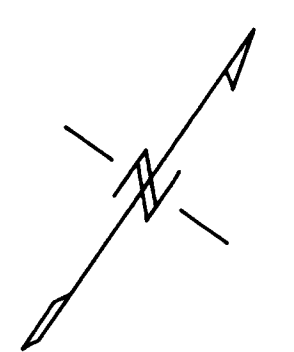
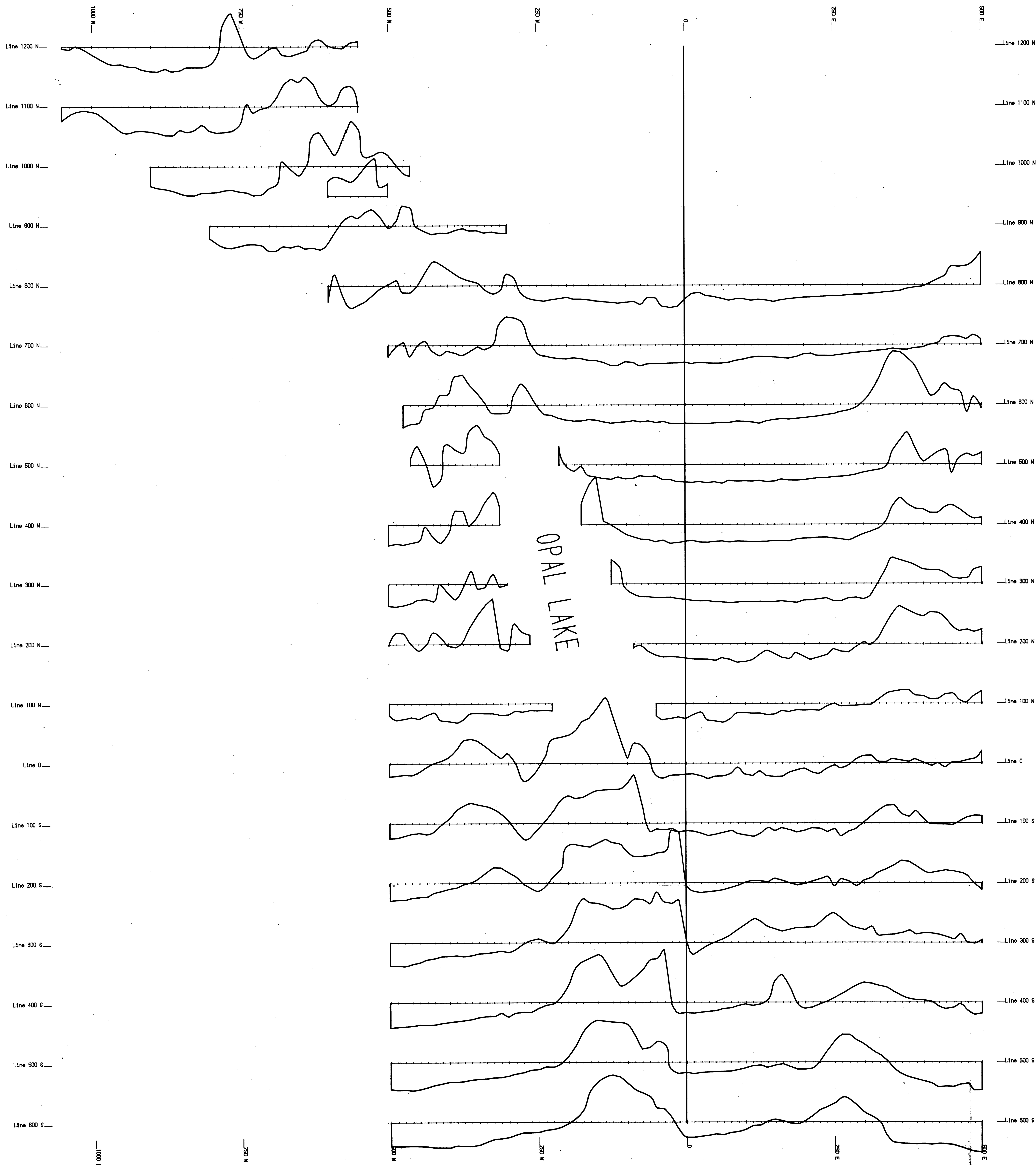
GEOLOGICAL BRANCH  
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**LEGEND**

- Anomalous Inflection (In-Phase)
- In-Phase
- Quadrature
- Field Strength 1 ca. = 2 units
- VLF-EM Conductor

<b>EQUITY SILVER MINES LIMITED</b>	
VLF-EM Profiles NAA, Cutler, Mo.	
<b>OPAL LAKE GRID</b>	
Opal Lake Claims Figure # 6-1 NTS: 104 J/13M Surveyed by Stetson Resource Management Corp.	
Interpretex Resources Ltd.	



**LEGEND**  
 — Total Magnetic Field Strength  
 1 ca. = 500 nT  
 Total Magnetic Field Datum Value = 58900 nT  
**GEOLOGICAL BRANCH**  
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**EQUITY SILVER MINES LIMITED**  
**Total Field Magnetic Profiles**

**OPAL LAKE GRID**  
 Opal Lake Claims  
 Figure # 6-2 NTS: 104 J/13M  
 Surveyed by Stetson Resource Management Corp.  
 Interpretex Resources Ltd.