81-#1049 - 9814

ASSESSMENT REPORT

GRID LOCATION

AND

SOIL GEOCHEMICAL SURVEY

At Mohawk Creek, B.C.
50°46'N 118°36'W

Claims:	Mohawk	1, 2, 3, 7Fr, 8Fr, 9Fr, 10Fr
	Hawk	1, 2, 3
	Pool	1, 3, 4, 5Fr

Owner / operator: Westmin Resources Ltd.

Mining Division: Revelstoke

NTS: 82K/13

P. Wojdak December, 1981

part 2 of 2

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INTRODUCTION

The Hawk, Pool and Mohawk claims are located 50 km southeast of Revelstoke, B.C. and 6 km east of the north end of Upper Arrow Lake (Figure 1). The claims extend southeast from the former community of Camborne, B.C. along Mohawk Creek. Access is by paved highway and gravel road south from Revelstoke. The area is within the rugged Selkirk Mountains and elevations range from 1,700 feet at Camborne to peaks in excess of 8,000 feet. The 1981 soil sampling was on steep, generally heavily forested (cedar, fir and hemlock) slopes between 4,000 and 7,000 feet.

Prospectors located numerous high grade vein occurrences on Poole and Mohawk Creeks by 1900. These include the Beatrice, Silver Dollar, Gillman, Spider, Eclipse, Mohawk, Moscow, Conmore and other veins. These are held by a patchwork of crown granted claims and bordered by the Westmin-owned Mohawk Group. The Spider Mine was the only significant producer; operated by Newmont, it produced 138,475 tons between 1949 - 1958 with a recovery grade of 0.086 oz Au/ton, 12.2 oz Ag/ton, 8.60 percent Pb, 9.14 percent Zn.

A soil geochemical survey begun in 1980, was extended in 1981. Field work was carried out between August 7 and September 8, 1981 and comprised 2.6 km of baseline preparation and collection of 1,006 soil samples.

REGIONAL SETTING

The area is underlain by the lower Paleozoic Lardeau Group (Read and Wheeler, 1976). The mafic volcanic Jowett Formation is overlain by the clastic sedimentary Broadview Formation. These are tightly folded about gently south-east or northwest dipping fold axes and the Mohawk area lies near the crest of the Silvercup Anticline. Silvercup Fault is a regionally extensive feature apparently produced by shear on the northeast limb of the anticline. Vein structures may be subsidiary features related to development of the Silvercup Anticline and Fault. The quartz veins are mineralogically simple. Galena, sphalerite and pyrite are the principal sulphides with variable tetrahedrite, arsenopyrite and chalcophyrite.

MOHAWK/FISSURE LOCATION MAP

GRID PREPARATION

A 4.4 km baseline at 315° was established on the Hawk and Mohawk claims in 1980. In 1981, it was extended 2,000 m northwesterly onto the Pool Claims. Soil samples were collected at 50 m intervals on 100 m spaced cross lines both on the NW extension and on a central portion of the 1980 grid that was not sampled last year. Finally, a baseline was run at 070° directly uphill on the east side of Mohawk Creek from an old mine site located 200 - 300 metres downstream from the Mohawk Creek ford. The grid locations are shown on a 1:10,000 map (Figure 2). The number of samples collected are: NW extension, 752; Hawk Fill-in, 155; East Mohawk, 99.

SOIL GEOCHEMISTRY

a) Mohawk Grid (Fill-in) (Figures 3 - 6)

The data is presented with the 1980 results. The new data is on lines 88 + 00 N to 99 + 00 N (all JE and PM series samples). The silver map shows several fairly strong single-sample anomalies. The one at 99 + 00 N 200 W corresponds to strong Cu, Pb and Zn anomalies. Maximum values are 2.9 ppm Ag, 550 ppm Cu, 130 ppm Pb, 980 ppm Zn. Predictably, zinc exhibits the greatest dispersion.

A Ag anomaly at 95 + 00 N, 100 W corresponds to a modest Pb anomaly, but a Ag anomaly at 92 + 00 N, 250 W does not correlate with Cu, Pb, or Zn. Except for the coincident Ag, Cu, Pb, Zn anomaly described above the zinc map is flat and copper and lead are fairly subdued. There is a single sample Pb anomaly on line 97 + 00 N but there is no correlation with Ag, Cu or Zn.

b) NW Extension (Figures 7 - 10)

The silver, copper, lead and zinc maps are all rather disappointingly flat except for scattered spot highs. The grid is on a steep northerly facing slope with extensive, but thin overburden cover. The depth of overburden is not likely to be sufficient to mask bedrock response. The silver map shows three spot highs (greater than 2 ppm) in the northwestern area of the grid. Unfortunately these do not correlate with Pb, Zn or Cu. The three base metal maps show a series of spot (single sample) highs near the northeast margin of the grid, just upslope from the road. These highs correlate moderately with each other and are linked by a narrow, 1,300 m long 40 ppm copper contour.

c) East Mohawk (Figures 11 - 14)

This grid is on a very steep slope, consequently the grid was oriented so that lines ran parallel to contours. The data has been coutoured to reflect strong downslope dispersion. Overburden is thin and outcrops are common. The copper map is flat. The silver map shows four values greater than 2.0 ppm, all on line 4 + 00 E. One of these, at 10 + 00 N corresponds to high Pb and Zn values (in the 200 and 400 ppm range respectively). The lead anomaly also occurs upslope on line 6 + 00 E where it extends from 8 + 00 to 9 + 00 E. The zinc anomaly is broader and extends further downslope reflecting zinc's greater mobility. In addition, there is coincident Pb and Zn anomaly at the northwest margin of the survey area that is incompletely defined. It is a lower magnitude anomaly than at 10 + 00 E.

CONCLUSIONS

A soil geochemical approach appears to be an effective technique to search for new lead - zinc - silver veins on the Mohawk claims. Several anomalies warrant geological and prospecting follow-up. The best two are:

1) The coincident Ag, Cu, Pb, Zn anomaly on line 99 + 00 N of the Mohawk (Fill-in) grid.

2) A coincident Ag, Pb, Zn anomaly at 4 + 00 E, 10 + 00 N on the East Mohawk grid.

The incompletely defined Pb, Zn anomaly on the northwest margin of the East Mohawk grid should be investigated by extending the soil lines. The high Ag values (without corresponding high Cu, Pb, Zn) at the northwest margin of the NW Extension grid also warrant follow-up because of their proximity to mineralized veins on adjacent claims.

P. Wojdak

Paul Wojdak
Project Geologist

APPENDIX 1

STATEMENT OF EXPENDITURES

ON

MOHAWK 1, 2, 3, 7Fr, 8Fr, 9Fr, 10Fr, HAWK 1, 2, 3, POOL 1, 3, 4 and 5Fr

Work Period

August 7 - September 8, 1981

Salaries:	
Don Dudek (grid location) 1 day @ $68	$ 68.00
Jim Eenkooren (soil sampling) 24 days @ $43	1,032.00
Alex Marr (supervision) 2 days @ $71	142.00
Pat Meade (soil sampling) 16 days @ $45	720.00
Field Equipment:	
Flagging, hip chain string, sample bags, etc.	175.00
Analyses:	
1006 soil samples @ $4.14 for Ag, Cu, Pb, Zn analyses (Chemex Labs, North Vancouver)	4,164.84
Sample Shipping:	200.00
Transportation:	
Four wheel drive truck, gas, repairs	700.16
Camp Costs:	
Groceries: 43 man days @ $16	688.00
Camp equipment (pro-rated)	575.00
Drafting:	
4 days @ $70	280.00
Report Writing:	200.00
	$8,945.00

APPENDIX 2

STATEMENT OF QUALIFICATIONS

I, PAUL J. WOJDAK of the Municipality of Delta, Province of British Columbia, hereby certify:

1. That I am a geologist residing at 11405 85th Avenue, Delta, British Columbia with a business address at Suite 904, 1055 Dunsmuir Street, P.O. Box 49066, Four Bentall Centre, Vancouver, British Columbia V7X 1C4.
2. That I graduated with a B.Sc. (Honours) in Geology and Chemistry from McMaster University, Hamilton, Ontario in 1971 and with a M.Sc. in Geology from the University of British Columbia in 1974.
3. That I am a member of the Geological Association of Canada.
4. That I have practised geology with Cominco Limited and Westmin Resources Limited from 1974 to 1981.

Dated this 11 day of December 1981 at Vancouver, British Columbia.

Signed P J Wojdak

P. J. Wojdak, M.Sc.

BIBLIOGRAPHY

READ, P.B. & WHEELER, J.O. (1976) Geology of Lardeau West-Half, B.C.; G.S.C. Open File 432

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
9814

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WESTMIN RESOURCES LTD.

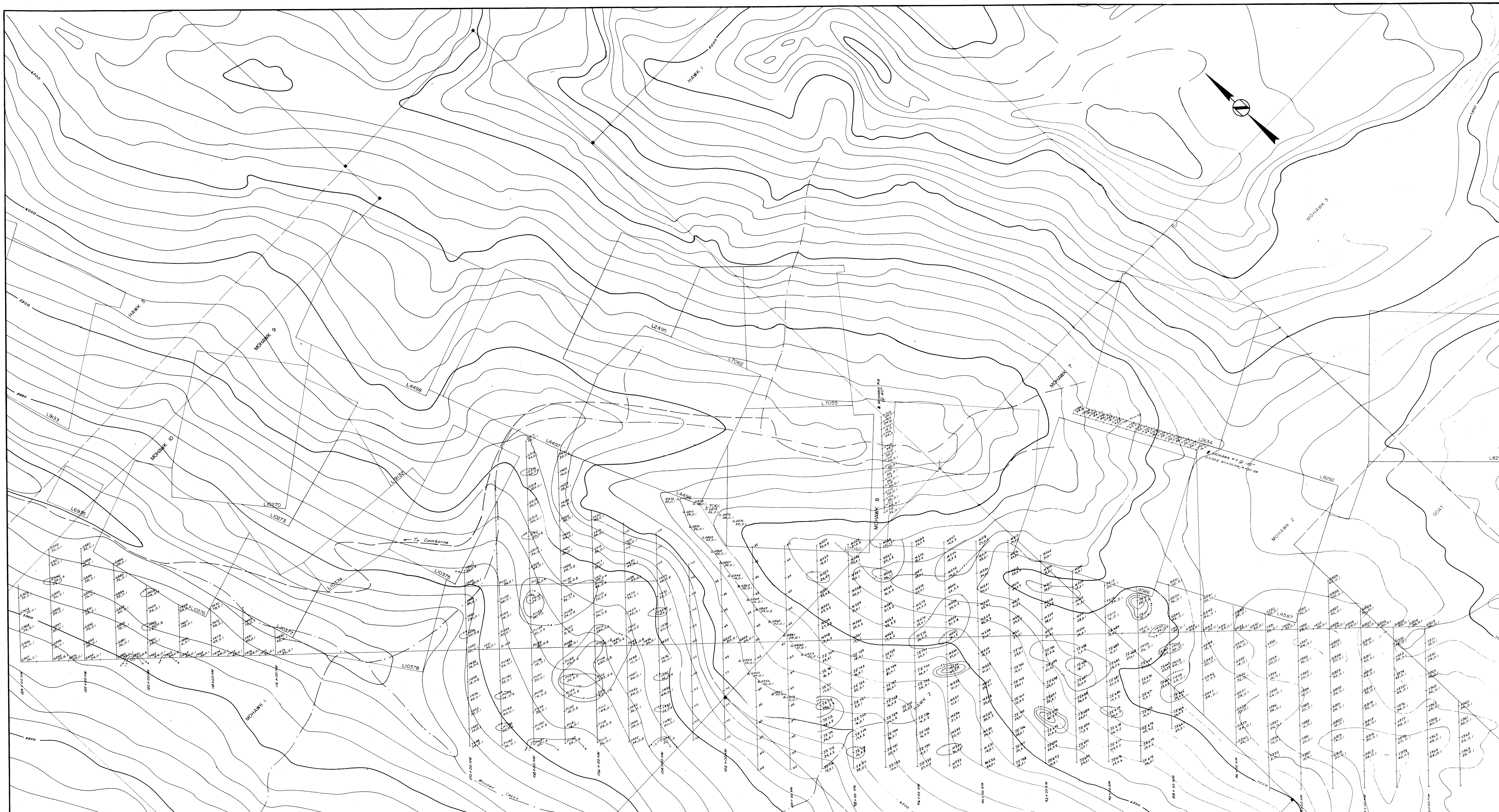
MOHAWK PROJECT

CLAIM AND GRID LOCATION

200 100 0 200 400 600 metres

Scale 1:10,000

Date: Nov. 1981	Drawn By: R. Ivany	FIGURE: 2



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of 2

LEGEND

	Assay Information	Contour Interval
Corner Post and Claim Boundary	Cu, Ag-order of appearance	Ag
Legal Corner Post	Cu in ppm	0.4 - 1.0
Sample Stations	Ag in ppm	1.0 - 2.0
Sample Number Cu, Ag		>2.0
HAWK 2, L 8292 Claim Name or number.		

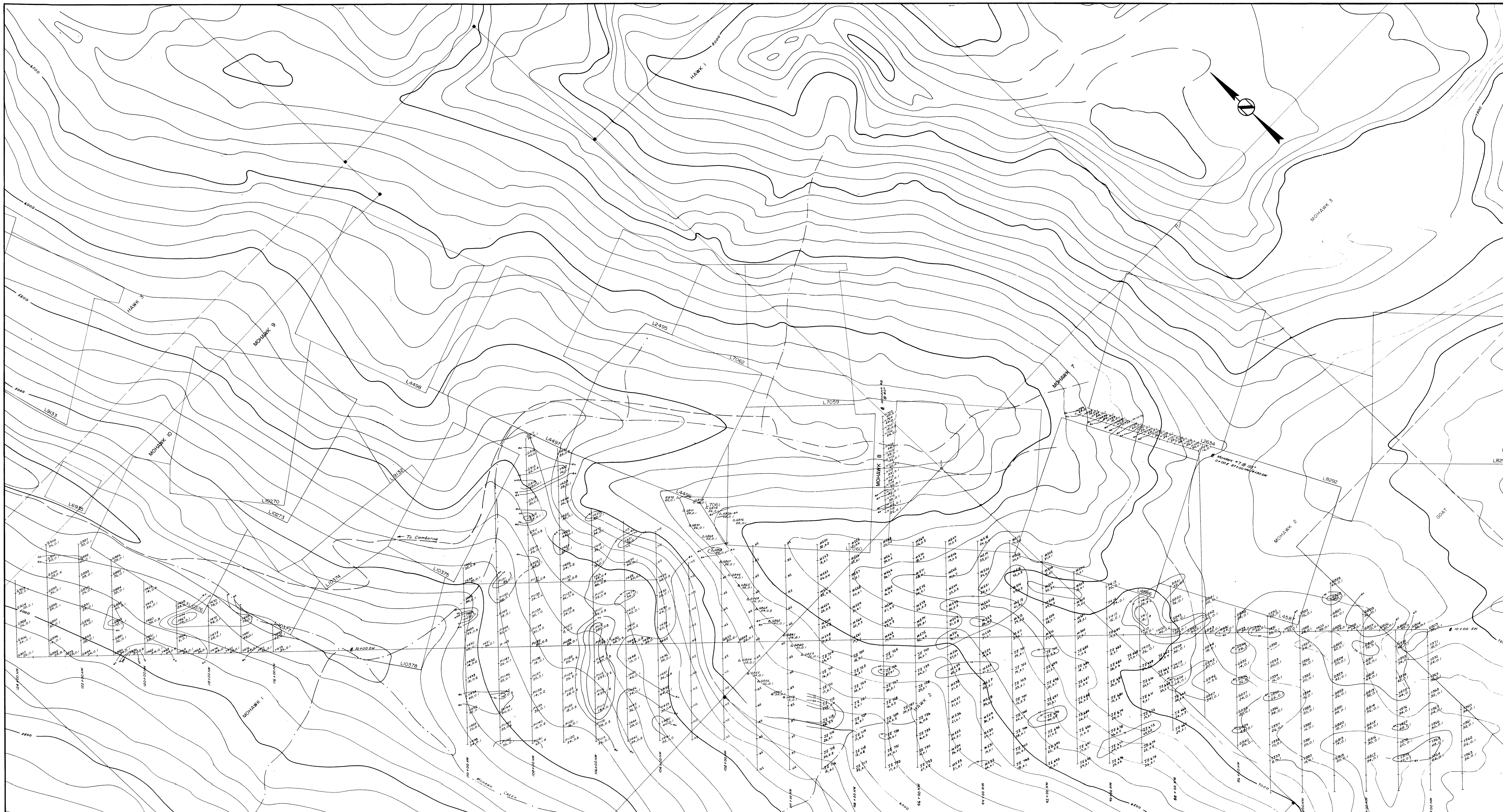
WESTMIN RESOURCES LIMITED

MOHAWK PROJECT

SILVER SOIL GEOCHEMISTRY
MOHAWK GRID

0 50 100 150 200 metres
Scale 1: 4,000

Date March, 1981 | Drawn by: L. Connor | FIGURE: 3



part 2
of 2

LEGEND

Corner Post and Claim Boundary	**Assay Information**	**Contour Interval**
Legal Corner Post	Cu, Ag-order of appearance	Cu
Sample Stations	Cu in ppm	40 - 70
Sample Number Cu, Ag	Ag in ppm	70 - 100
HAWK 2, L 8292 Claim Name or number.		>100

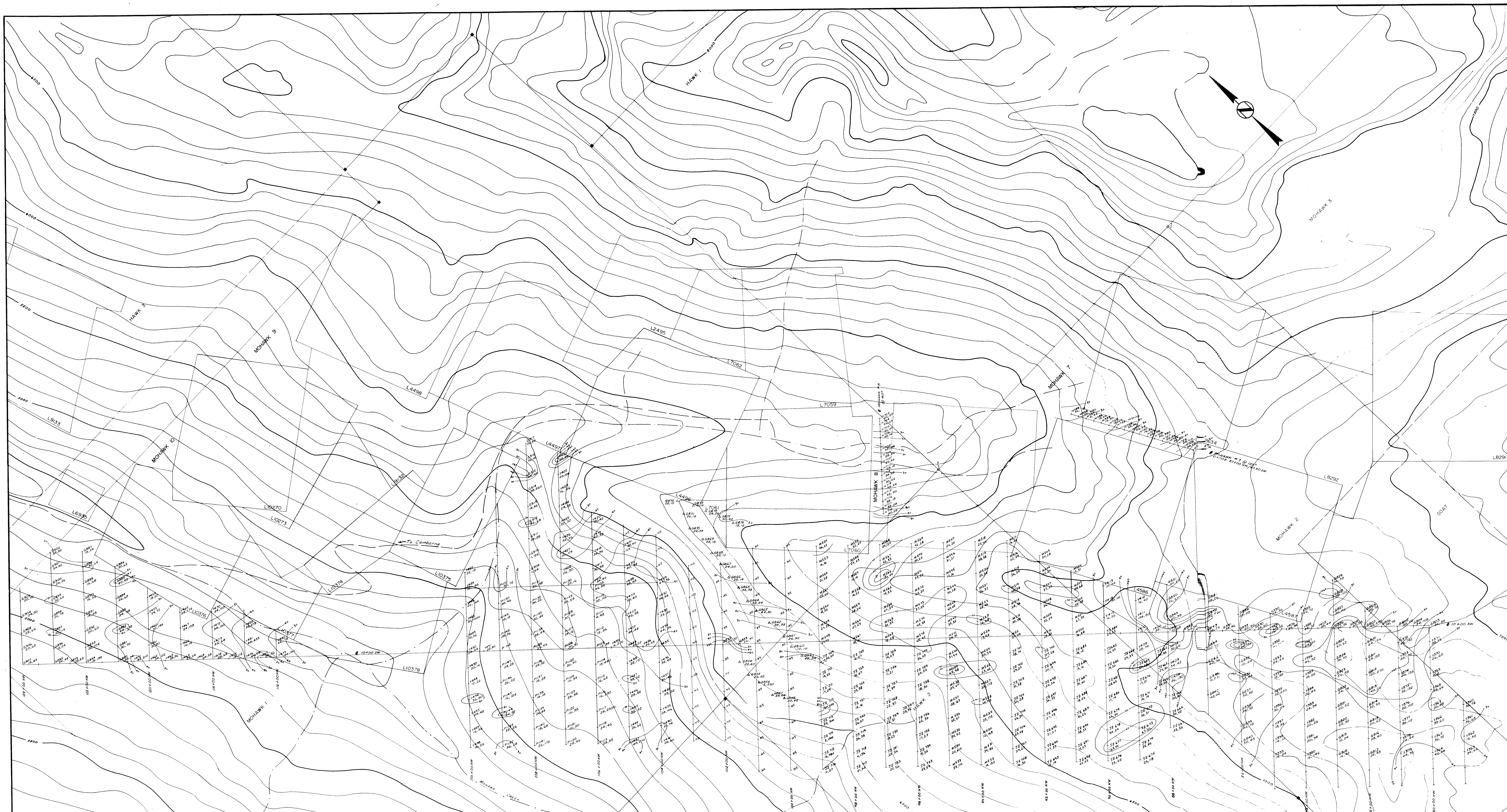
WESTMIN RESOURCES LIMITED

MOHAWK PROJECT

COPPER SOIL GEOCHEMISTRY
MOHAWK GRID

0 50 100 150 200 metres
Scale 1: 4,000

Date: March, 1981 | Drawn by: L. Connor | FIGURE 4



part 2 of 2

L E G E N D

	Assay Information	Contour Interval
Corner post and Claim boundary	Pb,Zn - order of appearance	Pb
Legal Corner Post	Pb in ppm	30 - 40
Sample Stations	Zn in ppm	40 - 60
Sample number Pb, Zn		60 - 80
HAWK 2, L8292 Claim name or number.		>80

WESTMIN RESOURCES LIMITED

MOHAWK PROJECT

LEAD SOIL GEOCHEMISTRY
MOHAWK GRID

0 50 100 150 200 metres
Scale 1: 4,000

Date March, 1981 | Drawn by L. Connor | FIGURE: 5

L E G E N D

	Assay Information	Contour Interval
Corner post and Claim boundary	Pb,Zn -order of appearance	Zn
Legal Corner Post	Pb in ppm	150 - 200
Sample Stations	Zn in ppm	200 - 300
Sample number Pb, Zn		>300
HAWK 2, L8292 Claim name or number.		

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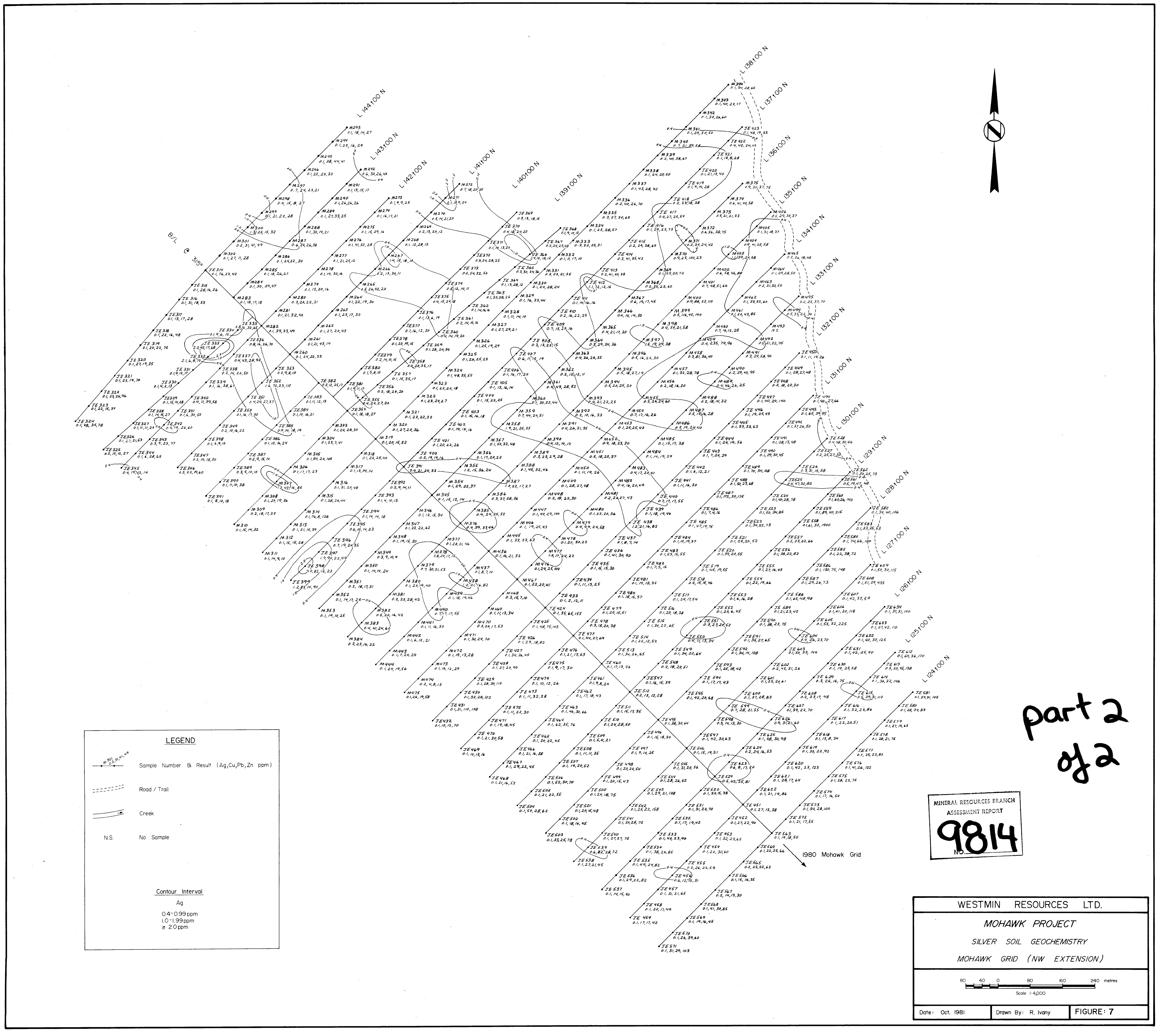
WESTMIN RESOURCES LIMITED

MOHAWK PROJECT

ZINC SOIL GEOCHEMISTRY
MOHAWK GRID

0 50 100 150 200 metres
Scale 1 4,000

Date March, 1981 | Drawn by L. Connor | FIGURE: 6



L 144100 N
L 143100 N
L 142100 N
L 141100 N
L 140100 N
L 139100 N
L 138100 N
L 137100 N
L 136100 N
L 135100 N
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L 133100 N
L 132100 N
L 131100 N
L 130100 N
L 129100 N
L 128100 N
L 127100 N
L 126100 N
L 125100 N
L 124100 N
B/L @ 315°
1980 Mohawk Grid
N
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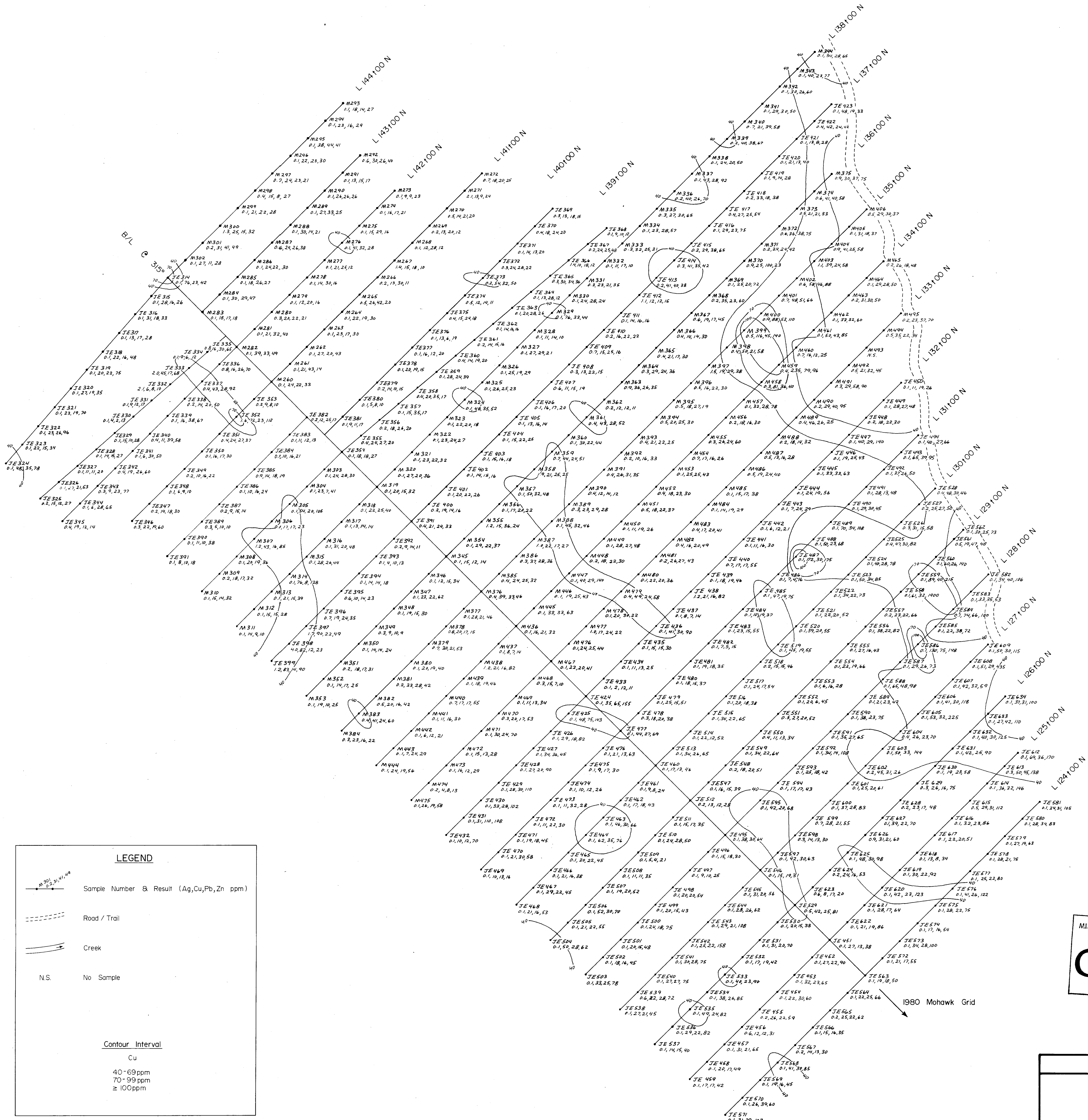
NO. 9814
LEGEND
Sample Number & Result (Ag, Cu, Pb, Zn ppm)
Road / Trail
Creek
N.S. No Sample
Contour Interval
Ag
0.4-0.99 ppm
1.0-1.99 ppm
≥ 2.0 ppm
WESTMIN RESOURCES LTD.
MOHAWK PROJECT
SILVER SOIL GEOCHEMISTRY
MOHAWK GRID (NW EXTENSION)
80 40 0 80 160 240 metres
Scale 1:4,000
Date: Oct. 1981
Drawn By: R. Ivany
FIGURE: 7



LEGEND

Sample Number & Result (Ag,Cu,Pb,Zn ppm)

Road / Trail

Creek

N.S. No Sample

Contour Interval

Cu

40-69ppm
70-99ppm
≥100ppm

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WESTMIN RESOURCES LTD.

MOHAWK PROJECT

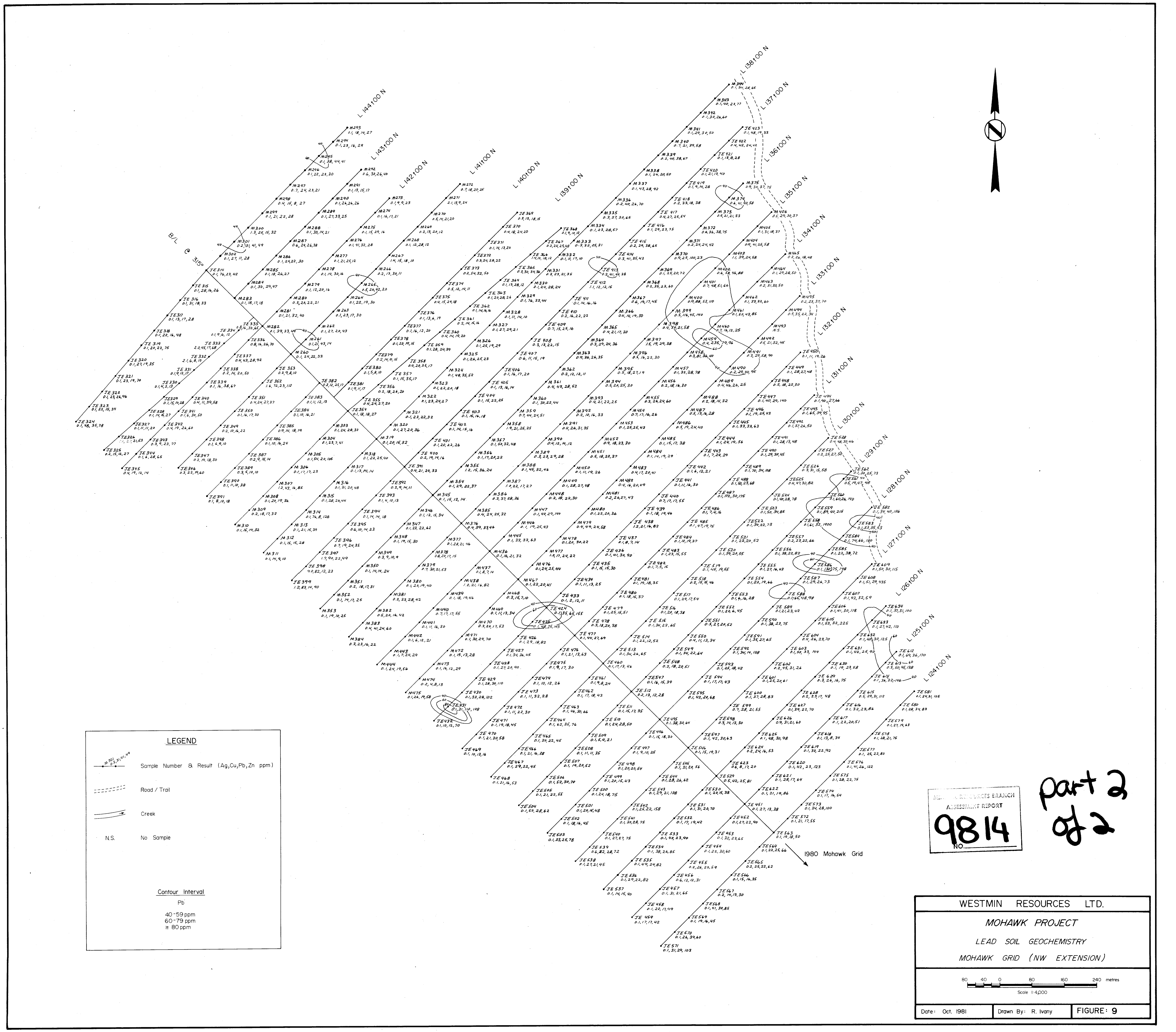
COPPER SOIL GEOCHEMISTRY

MOHAWK GRID (NW EXTENSION)

80 40 0 80 160 240 metres

Scale 1:4,000

Date: Oct. 1981	Drawn By: R. Ivany	FIGURE: 8



L 144+00 N
L 143+00 N
L 142+00 N
L 141+00 N
L 140+00 N
L 139+00 N
L 138+00 N
L 137+00 N
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L 135+00 N
L 134+00 N
L 133+00 N
L 132+00 N
L 131+00 N
L 130+00 N
L 129+00 N
L 128+00 N
L 127+00 N
L 126+00 N
L 125+00 N
L 124+00 N
B/L @ 315°
1980 Mohawk Grid
LEGEND
Sample Number & Result (Ag,Cu,Pb,Zn ppm)
Road / Trail
Creek
N.S. No Sample
Contour Interval
Pb
40-59 ppm
60-79 ppm
≥ 80 ppm
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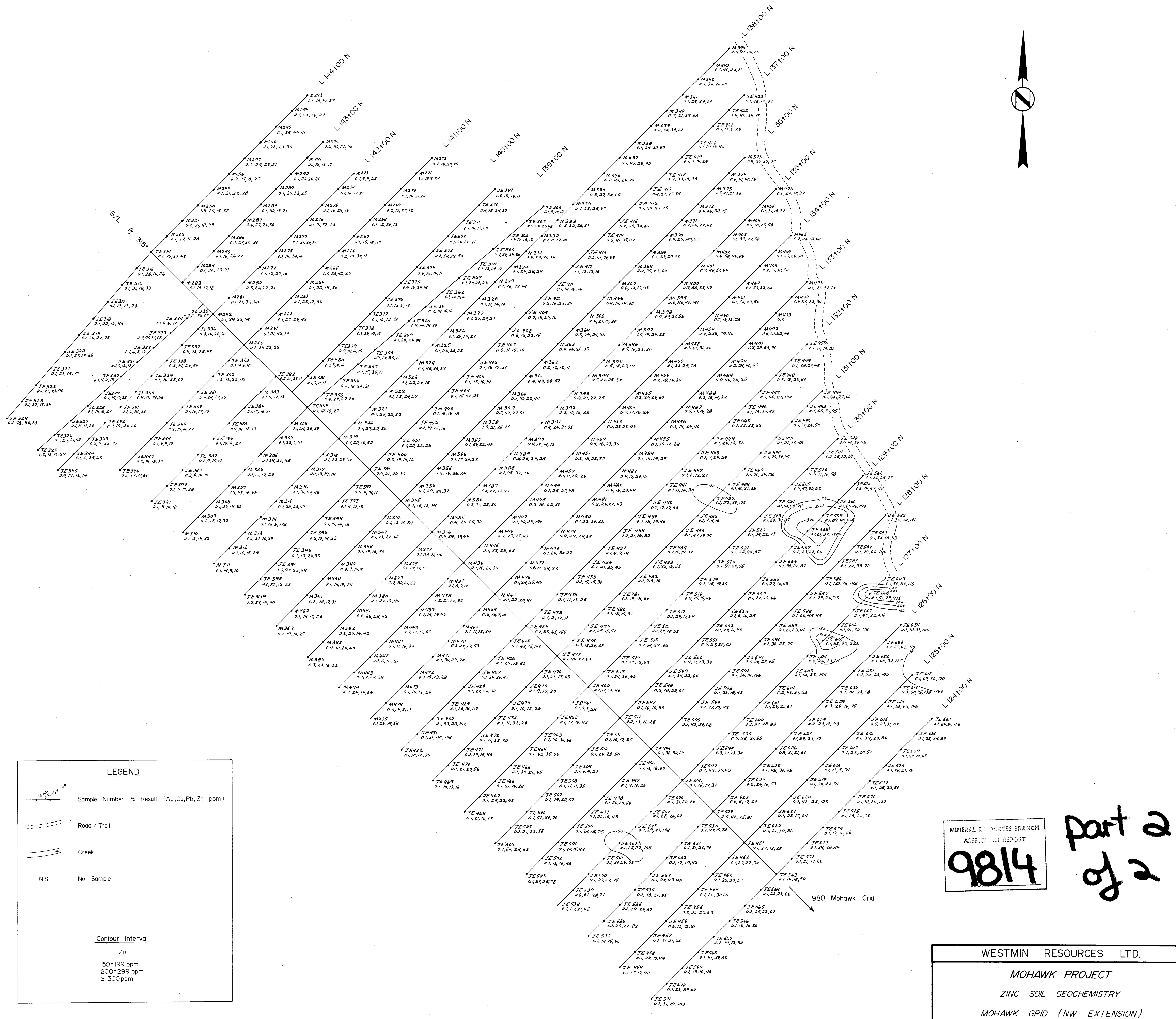
WESTMIN RESOURCES LTD.
MOHAWK PROJECT
LEAD SOIL GEOCHEMISTRY
MOHAWK GRID (NW EXTENSION)
80 40 0 80 160 240 metres
Scale 1:4,000
Date: Oct. 1981
Drawn By: R. Ivany
FIGURE: 9



LEGEND

Sample Number & Result (Ag,Cu,Pb,Zn ppm)

Road / Trail

Creek

N.S. No Sample

Contour Interval

Zn

150 - 199 ppm
200 - 299 ppm
≥ 300 ppm

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WESTMIN RESOURCES LTD.

MOHAWK PROJECT

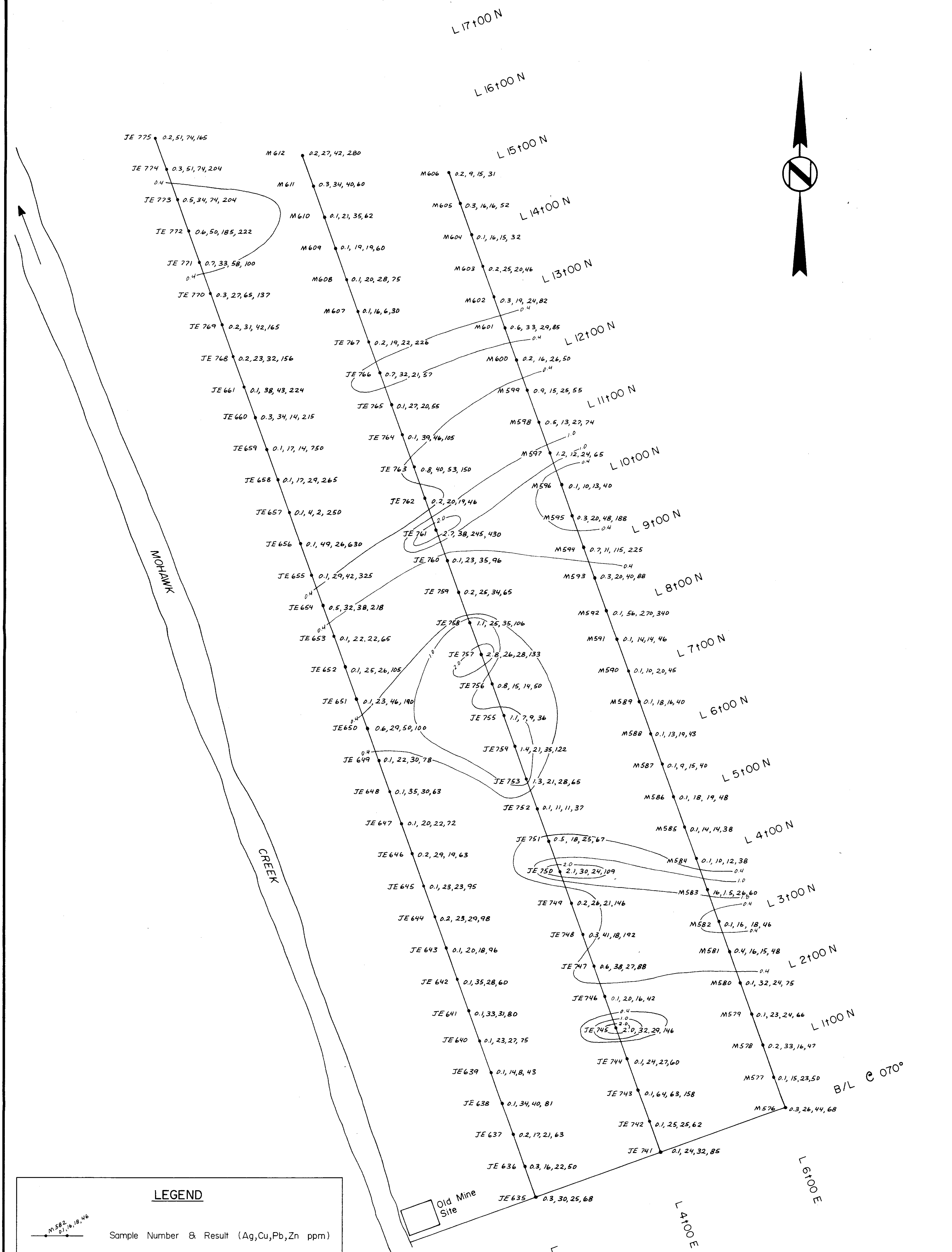
ZINC SOIL GEOCHEMISTRY

MOHAWK GRID (NW EXTENSION)

80 40 0 80 160 240 metres

Scale 1:4,000

Date: Oct. 1981 | Drawn By: R. Ivany | FIGURE: 10



LEGEND

M.582 0.1, 16, 18, 46 — Sample Number & Result (Ag, Cu, Pb, Zn ppm)

Road / Trail

Creek

N.S. — No Sample

Contour Interval

Ag

0.4 - 0.99 ppm
1.0 - 1.99 ppm
≥ 2.0 ppm

WESTMIN RESOURCES LTD.

MOHAWK PROJECT

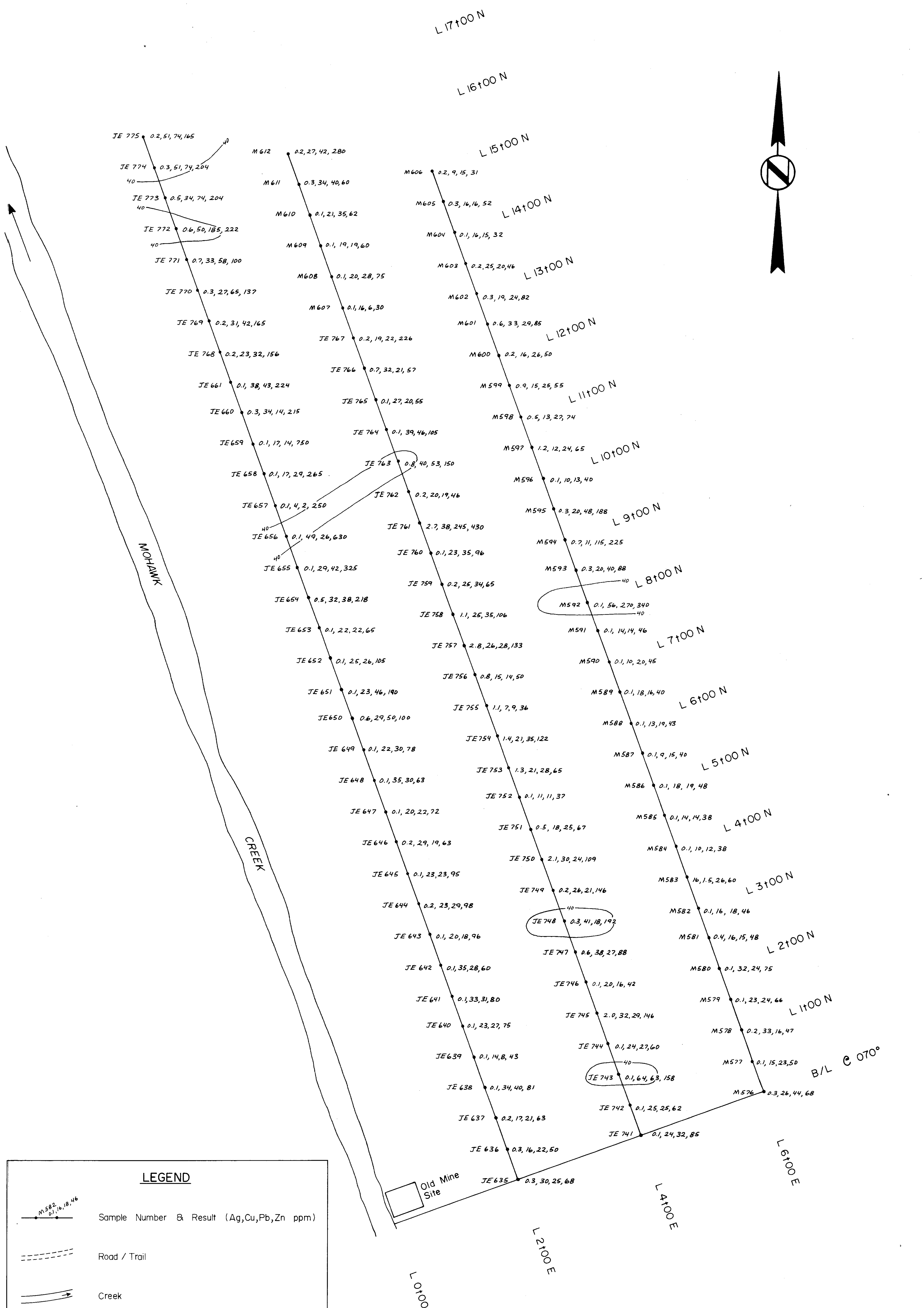
SILVER SOIL GEOCHEMISTRY

EAST MOHAWK GRID

80 40 0 80 160 240 metres

Scale 1:4,000

Date: Oct. 1981	Drawn By: R. Ivany	FIGURE: 11



LEGEND

M582 0.1, 16, 18, 46	Sample Number & Result (Ag, Cu, Pb, Zn ppm)
	Road / Trail
	Creek
N.S.	No Sample

Contour Interval

Cu

40-69 ppm
70-99 ppm
≥ 100 ppm

WESTMIN RESOURCES LTD.

MOHAWK PROJECT

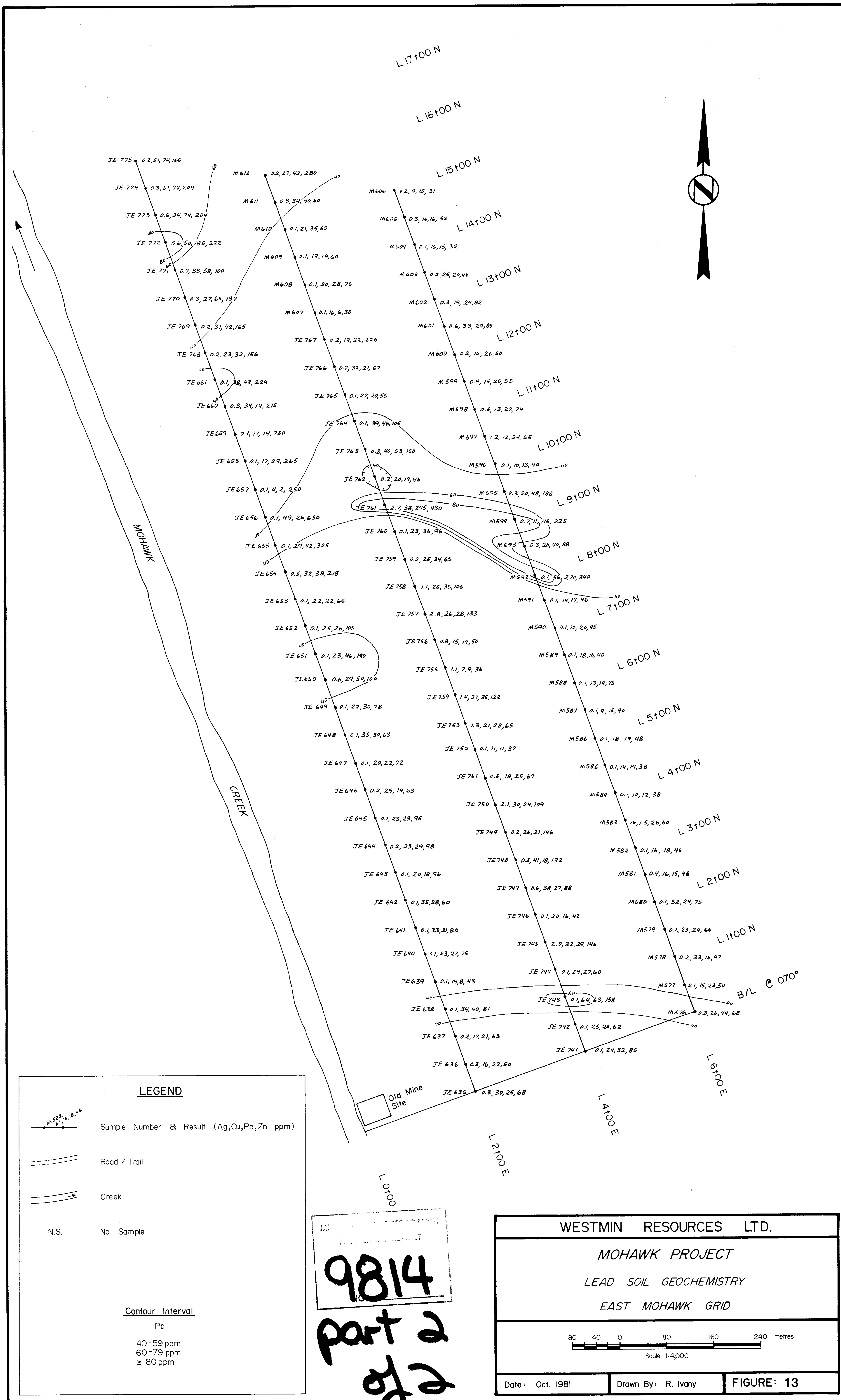
COPPER SOIL GEOCHEMISTRY

EAST MOHAWK GRID

80 40 0 80 160 240 metres

Scale 1:4,000

Date: Oct. 1981	Drawn By: R. Ivany	FIGURE: 12



LEGEND

M582 0.1, 16, 18, 46 — Sample Number & Result (Ag, Cu, Pb, Zn ppm)

Road / Trail

Creek

N.S. — No Sample

Contour Interval

Pb

40 - 59 ppm
60 - 79 ppm
≥ 80 ppm

WESTMIN RESOURCES LTD.

MOHAWK PROJECT

LEAD SOIL GEOCHEMISTRY

EAST MOHAWK GRID

80 40 0 80 160 240 metres

Scale 1:4,000

Date: Oct. 1981 | Drawn By: R. Ivany | FIGURE: 13

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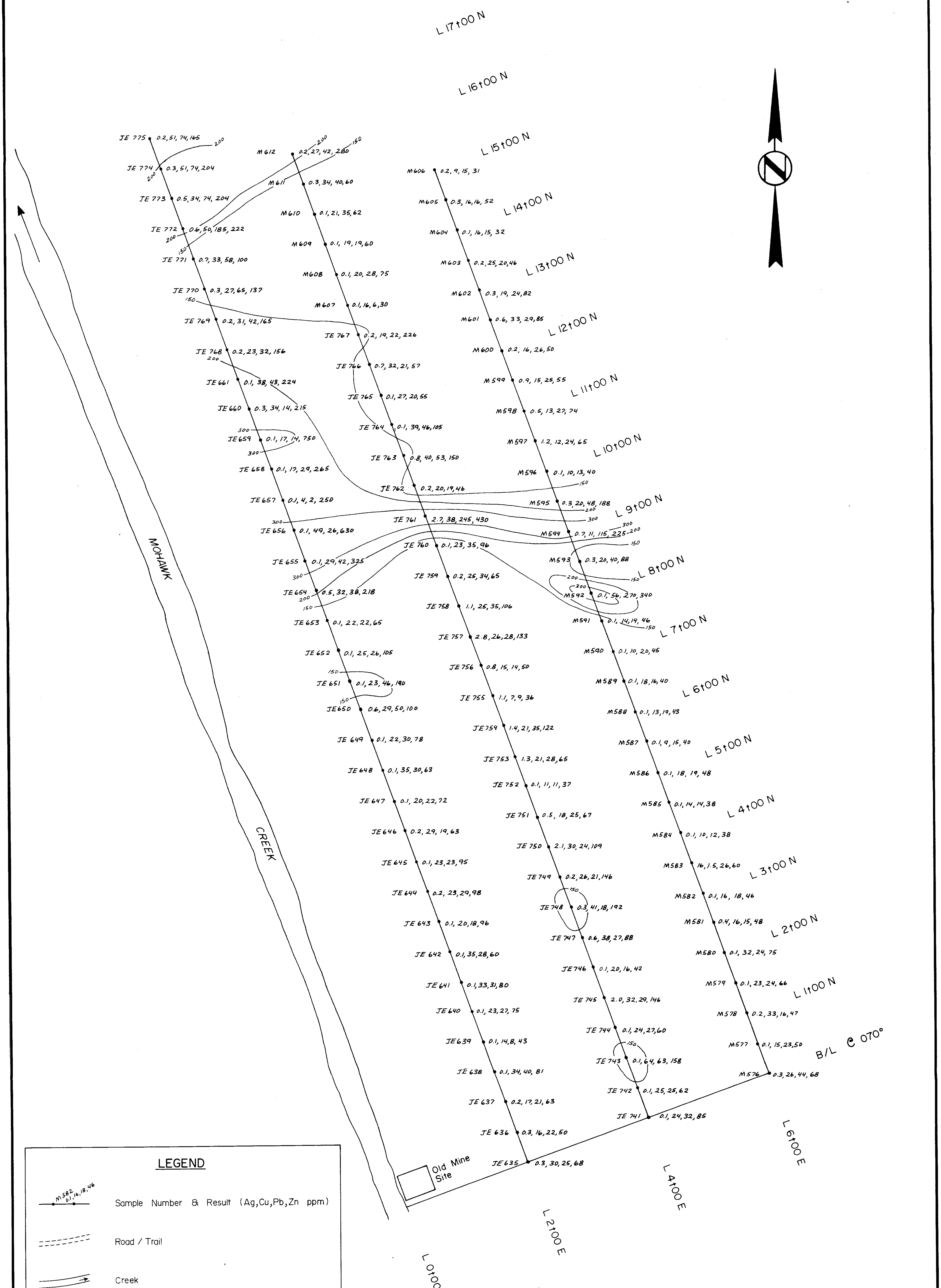

LEGEND

M582 0.1, 16, 18, 46 — Sample Number & Result (Ag, Cu, Pb, Zn ppm)

Road / Trail

Creek

N.S. — No Sample

Contour Interval

Zn

150-199 ppm
200-299 ppm
≥ 300 ppm

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WESTMIN RESOURCES LTD.

MOHAWK PROJECT

ZINC SOIL GEOCHEMISTRY

EAST MOHAWK GRID

80 40 0 80 160 240 metres

Scale 1:4,000

Date: Oct. 1981 | Drawn By: R. Ivany | FIGURE: 14