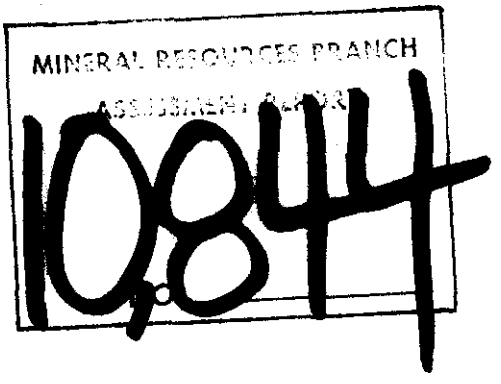
82-#770B #-10844

ASSESSMENT REPORT

GRID LOCATION
SOIL GEOCHEMICAL SURVEY
CAT TRAIL CONSTRUCTION

at Mohawk Creek, B. C.

50°46'N, 118°36'W



Claims: Mohawk 1, 8 Fr, 9 Fr, 10 Fr.
Hawk 2, 3
Pool 3, 5 Fr
Fiver 2, and
Crown granted claims: Lot 4500, 4572, 4573,
4763, 5170, 5675, 5677, 9137, 15779-15781

Revelstoke Mining Division
N.T.S.: 82K/13

by P.J. Wojdak

November 12, 1982

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INTRODUCTION

The Hawk, Pool, Fiver 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 1982 soil sampling was on steep, generally heavily forested (cedar, fir and hemlock) slopes between 3,000 and 6,000 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. An option agreement with Wiltshire Industries was concluded by Westmin on Crown granted claims Lot 4500 (Moscow), Lot 4572 (Fresno), Lot 4573 (Bluebird #2), Lot 4763 (Excelsior), Lot 5170 (Eclipse), Lot 5675 (St. Joe), Lot 5677 (Conmore), Lot 9137 (Emerald), Lot 15779 (Pipestem), Lot 15780 (B and J) and Lot 15781 (W.V. Fraction). 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 and again in 1982. New grids were established on the Crown granted claims north of Poole Creek. Field work was carried out between July 25 and August 19, 1982 and comprised 2.1 km of baseline preparation, collection of 374 soil samples and building a cat trail to soil anomalies found in 1981 on Hawk 2 and Hawk 3.

REGIONAL SETTING

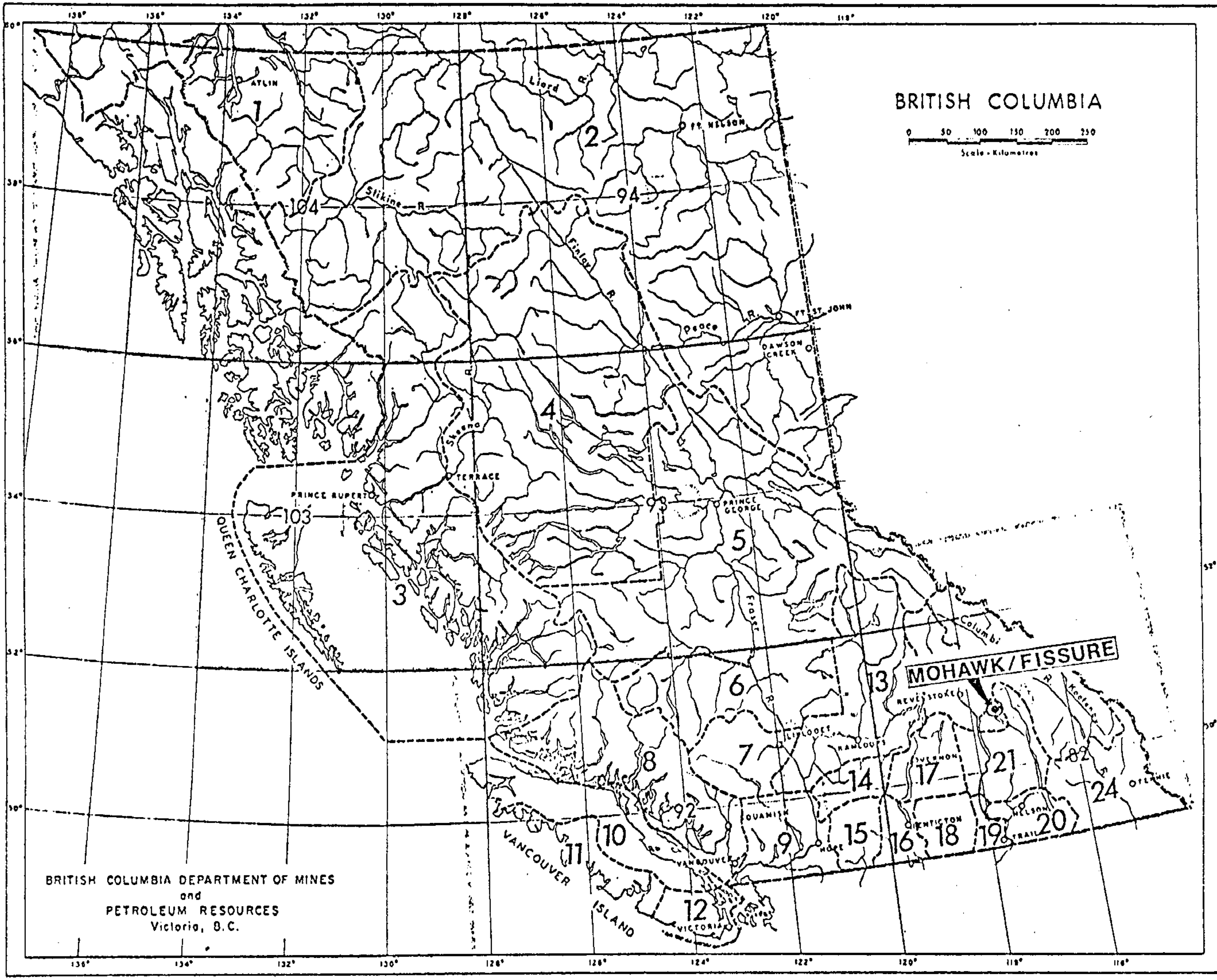
The area is underlain by the lower Paleozoic Lardeau Group (Read and Wheeler, 1976). The mafic volcanic Jowett Formation is overlain by the clastic sedimentary Broadview Formation. These are tightly folded about gently southeast or northwest dipping fold axes and the Mohawk area lies near the crest of 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 chalcopyrite.

GRID PREPARATION

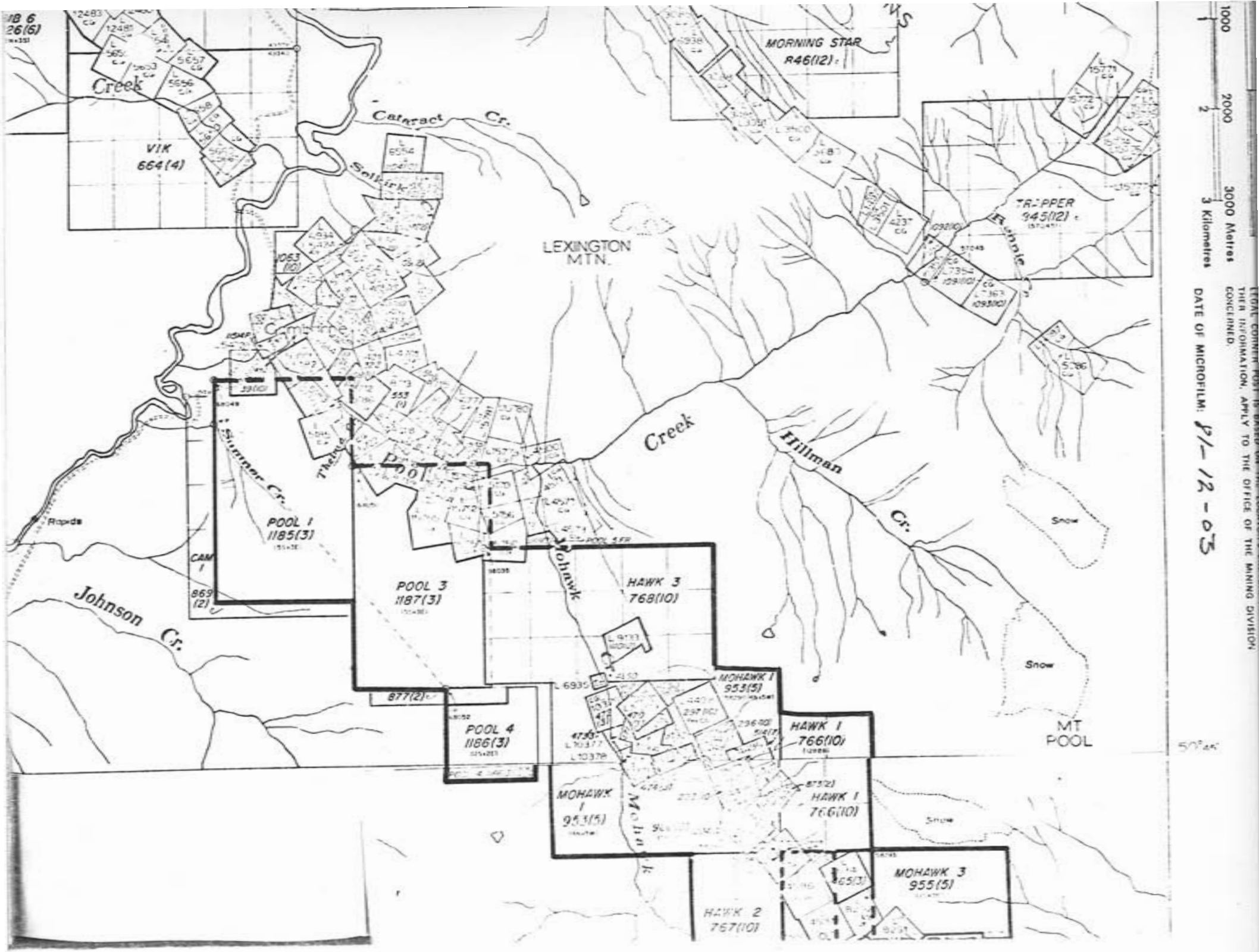
The 6.4 km long Mohawk baseline was extended 300 m further on Pool 3 at 315° and soil lines from it extended to Sunshine Columbia's Crown granted claims (Lot 15755 in particular). Soil sampling was carried out on lines 115 to 121 on Mohawk 1, west of the Mohawk baseline. The East Mohawk baseline was extended 200 m at 070°, east of Mohawk Creek on Hawk 3, and new lines were run at 3, 5, 7 and 8+00E.

Three new baselines were established. The small Eclipse grid with a 200 m long baseline that trends 000° is centred on the Eclipse vein on Lot 5170 near Poole Creek. The Moscow baseline originates on Lot 15779 directly across Poole Creek from the Eclipse grid. It extends 600 m at 000°. The Red Horse baseline also lies north of Poole Creek and extends 800 m at 010°.

Soil samples were collected from the B-horizon in mattock-dug holes from sites 25 m or 50 m apart (as indicated on the maps) on lines spaced 100 m apart. All samples were analyzed by Chemex Labs using standard total extractable metal techniques and atomic absorption.



MOHAWK/FISSURE LOCATION MAP



LEGAL COMMENT POST IS BASED ON THE
THEIR INFORMATION, APPLY TO THE OFFICE OF THE MINING DIVISION
CONCERNED.

DATE OF MICROFILM: 21-12-05

SOIL GEOCHEMISTRY

(a) Mohawk Grid, Lines 115-121

The geochemical expression is very subdued. A modest anomaly at 120+50 on the baseline was not extended by the 1982 sampling.

(b) Mohawk Grid, Lines 145-147

Here too, soil values are fairly flat. Encouraging silver values on line 143 were not extended.

(c) East Mohawk

The 1982 results limit considerably the Pb, Zn, Ag anomaly found in 1981 in the central area of the grid. Lines 5 and 7 respectively below and above the 1981 anomaly gave lower soil values. The Pb response is tightly focused on lines 5 and 6E at 8+50N, peak value of 270 ppm. Zinc is coincident (340 ppm peak value) with lead but silver is rather diffuse and the best response (2.8 ppm from a 1981 site) is displaced downslope and may not be directly related to the Pb/Zn anomaly.

An incompletely defined Pb/Zn anomaly at the northwest margin of the 1981 survey, near Mohawk Creek, is confirmed by the 1982 survey but is still broad and open. Values are up to 300 ppm Pb and 750 ppm Zn. Surprisingly Zn is displaced upslope from Pb. There are no significant associated Ag values. The copper response is subdued over the entire grid.

(d) Mohawk, Red Horse, Eclipse Grids

Results from initial sampling in this area are distinctly disappointing, considering that several mineralized vines are known. Copper, lead and silver do not exceed background values. A few high zinc values occur along or close to the Moscow baseline.

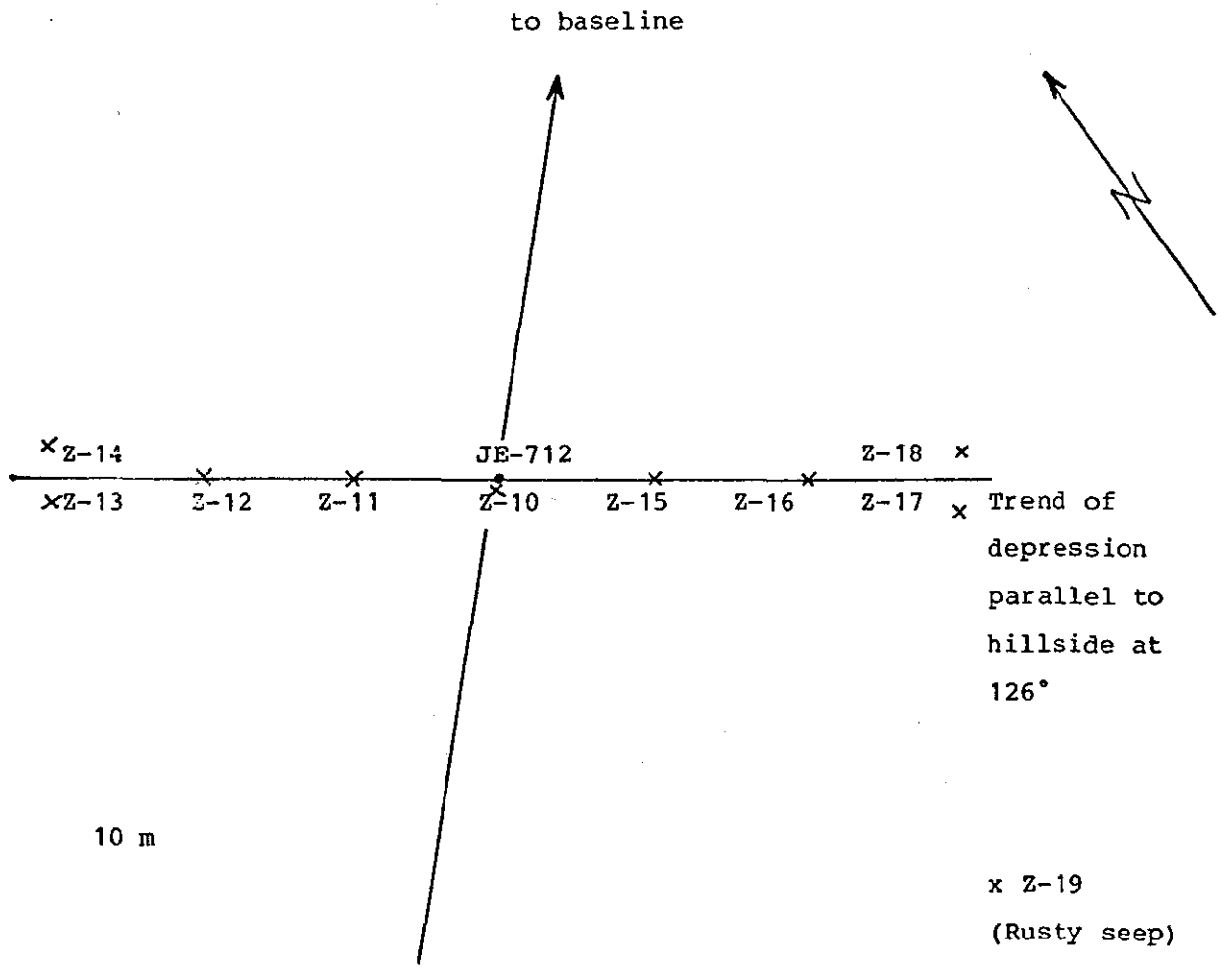
CAT TRAIL AND SOIL ANOMALY FOLLOW-UP

Two soil anomalies located by the 1981 survey were investigated by building a cat trail to the site to provide access and rock exposure. One anomaly is located on line 99 NW at 2+00SW at an elevation of 6,500 feet. It is a single sample site anomaly in Cu, Pb and Ag with more extensive Zn, the values reported are 550 ppm Cu, 130 ppm Pb, 980 ppm Zn, 2.9 ppm Ag. The cat trail to the site was built with a D-6 cat and is about 1.5 km long, extending northwesterly from the Mohawk Creek/Beatrice Mine road. Local bedrock comprises phyllitic to schistose argillites and siltstones that are strongly foliated and crenulated by a second deformation. The style of minor folds is tight isoclinal with sheared hinges. There are numerous dilational quartz veins, some with minor pyrite. A rusty seep and ferricrete deposit were noted near the anomalous soil site. A depression parallel to the hill, trending at 126° was investigated as a possible mineralized structure but nothing significant was found. Resampling the 1981 soil site produced lower but still anomalous values that drop off markedly within 10 m. Results of follow-up sampling are shown on the sketch overleaf.

The second soil anomaly that was examined lies on lines 127 to 129 on the Mohawk grid at sites JE 586, 588, 589 and 608. About 300 m of cat trail was built to the area from the Mohawk Creek road at an elevation of about 4,500 feet. Only dark argillaceous phyllites were found and no further sampling was done.

ECLIPSE TRENCHING

The Eclipse vein outcrops on the south side of Poole Creek 550 m below the Mohawk Creek junction. Hand trenching, drilling with a gas drill, blasting and mucking, were carried out to achieve better exposure. The vein is localized on a sheared contact between black graphitic phyllite and greenstone. Vein orientation varies from 000° to 020° and dips 70° east. In the trench the vein is 5 m wide with several bands of coarse massive pyrite and minor coarse sphalerite and galena. Some 15,000 tons of the Spider Mine's 139,000 production tonnage came from the Eclipse vein.



	Cu	Pb	Zn	Ag
Z-10	340	76	275	0.7
Z-11	61	37	94	.5
Z-12	19	22	40	.2
Z-13	25	23	51	.7
Z-14	28	30	53	.1
Z-15	27	31	44	.3
Z-16	22	24	33	.5
Z-17	57	32	67	1.3
Z-18	61	18	176	.5
Z-19	20	3	435	.6

CONCLUSIONS

Effectiveness of soil geochemistry to locate polymetallic veins in the Mohawk area is in question. An area north of Poole Creek, largely underlain by mafic volcanic rocks but including the Conmore and Moscow veins and possible extension of several other veins, gave very minimal geochemical response. The single exception is a linear zinc anomaly along the Mohawk baseline that corresponds to the trend of several known veins. Furthermore, follow-up of 1981 soil anomalies did not locate evidence of mineralization. Instead the source appears to be high background argillaceous metasedimentary rocks.

APPENDIX 1

STATEMENT OF EXPENDITURES
on
Mohawk 1, 8 Fr, 9 Fr, 10 Fr,
Hawk 2, 3,
Pool 3, 5 Fr,
Fiver 2,
Lot 4500, 4572, 4573, 4763, 5170, 5675, 5677, 9137, 15779-15781

Work Period: July 25 - August 19, 1982

SALARIES:	
Don Dudek (project organization, road location, soil anomaly follow-up)	
11 days @ $100	$ 1,100.00
Doug Vanhelden (soil sampling, grid preparation, road location)	
15 days @ $63	945.00
Pat Meade (grid preparation, soil sampling, mucking trench)	
9 days @ $61	549.00
Jim Eenkooren (grid preparation, soil sampling, mucking trench)	
11 days @ $56	616.00
Harlan Meade (supervision)	
2 days @ $125	250.00
FIELD EQUIPMENT:	549.98

SOIL GEOCHEMISTRY:

374 soil samples @ $5.085 for Ag, Cu, Pb, Zn analyses (Chemex Labs, North Vancouver)	$ 1,901.79
Sample shipping	58.80

TRANSPORTATION:

Truck (4 x 4) and trailer rental	1,601.73
Fuel	457.08

ROAD CONSTRUCTION:

Contracted to J & E Logging of Nakusp:	
Hauling equipment, 6 hrs. @ $55	330.00
D-6 cat, 60 hrs. @ $46.75	2,805.00

CAMP COSTS:

Groceries, travel costs	1,349.08
Camp equipment	480.00

REPORT PREPARATION:

Drating, 9 days @ $160	1,440.00
Writing, typing	500.00
	$14,933.46

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 1982.

Dated this 12 day of November 1982 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.

L E G E N D

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

MINERAL RESOURCES BRANCH ASSESSMENT REPORT NO. 10,844

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: 2

L E G E N D

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

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
10,844

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: 3

L E G E N D

Corner post and Claim boundary

Legal Corner Post

Sample Stations

Sample number Pb, Zn

HAWK 2, L8292 Claim name or number.

Assay Information

Pb,Zn - order of appearance

Pb in ppm

Zn in ppm

Contour Interval

Pb

30 - 40

40 - 60

60 - 80

>80

MINERAL RESOURCES BRANCH ASSESSMENT REPORT

10,844

WESTMIN RESOURCES LIMITED

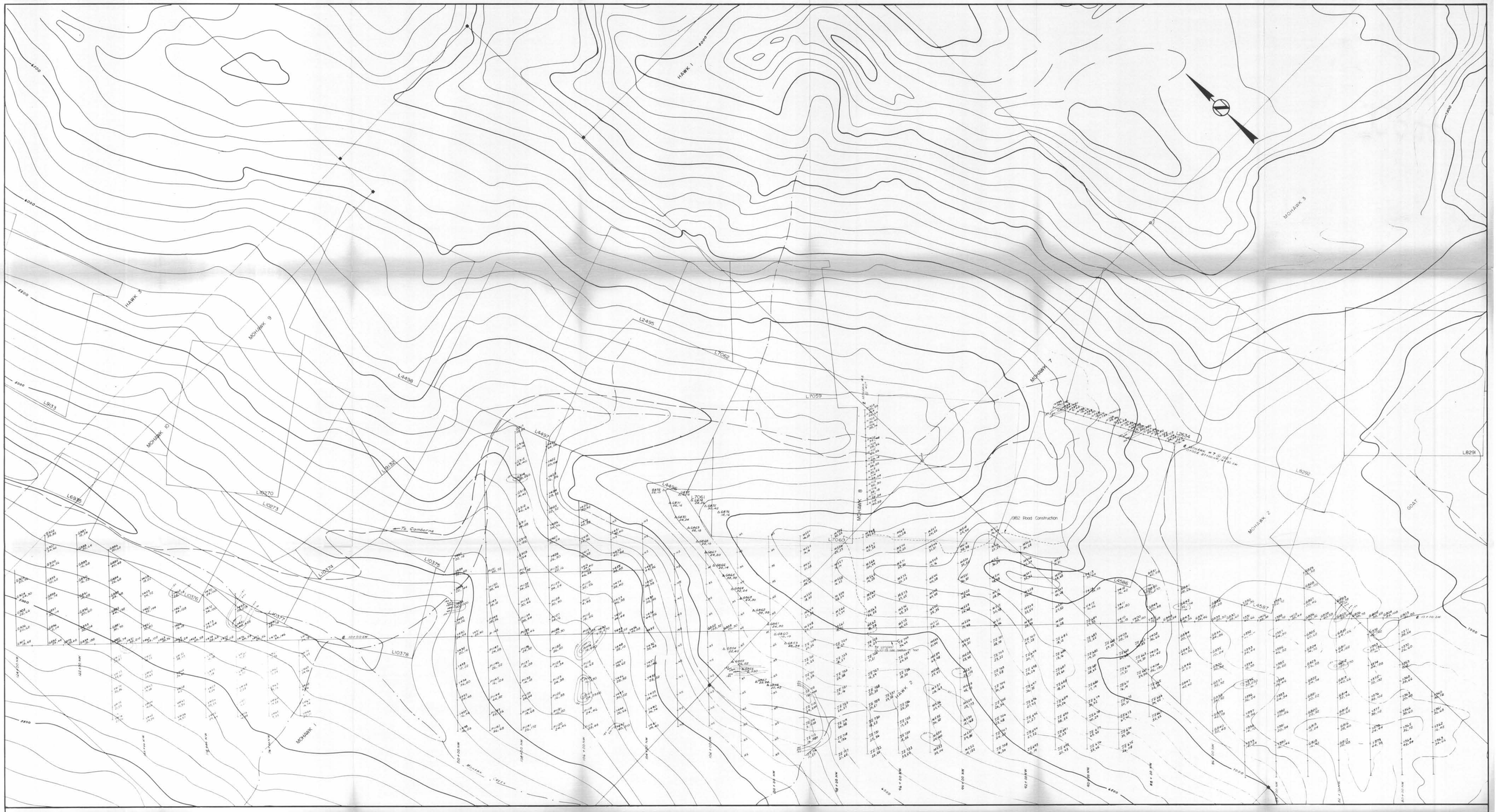
MOHAWK PROJECT

LEAD SOIL GEOCHEMISTRY
MOHAWK GRID

0 50 100 150 200 metres

Scale 1 : 4,000

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



L E G E N D

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

MINERAL RESOURCES BRANCH
Assessment Report
10,844

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: 5

LEGEND

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

Claim Boundary & Legal Corner Post

Road

Creek

Contour Interval (feet)

N.S. No Sample

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ASSESSMENT REPORT
10,844

Contour Interval
Ag
0.4-0.99 ppm
1.0-1.99 ppm
≥ 2.0 ppm

WESTMIN RESOURCES LTD.

MOHAWK PROJECT

SILVER SOIL GEOCHEMISTRY
(Northwest Area)

80 40 0 80 160 240 metres
Scale 1:4,000

Date	Drafted By	Drawn By	Revised	N.T.S. No.	Figure
Nov. 1982	R. Ivany	D. Dudek		82 K/13	6

LEGEND

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

Claim Boundary & Legal Corner Post

Road

Creek

Contour Interval (feet)

N.S. No Sample

MINERAL RESOURCES

10,844

Contour Interval

Cu

40 - 69 ppm
70 - 99 ppm
≥ 100 ppm

WESTMIN RESOURCES LTD.

MOHAWK PROJECT

COPPER SOIL GEOCHEMISTRY
(Northwest Area)

80 40 0 80 160 240 metres

Scale 1:4,000

Date	Drafted By	Drawn By	Revised	N.T.S. No.	Figure
Nov. 1982	R. Ivany	D. Dudek		82 K/13	7

LEGEND

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

Claim Boundary & Legal Corner Post

Road

Creek

Contour Interval (feet)

N.S. No Sample

Contour Interval
Pb

40-59 ppm
60-79 ppm
≥ 80 ppm

WESTMIN RESOURCES LTD.

MOHAWK PROJECT

LEAD SOIL GEOCHEMISTRY
(Northwest Area)

Scale 1:4,000

Date	Drafted By	Drawn By	Revised	N.T.S. No.	Figure
Nov. 1982	R. Ivany	D. Dudek		82 K/13	8

MOSCOW GRID
RED HORSE GRID
ECLISPE GRID
EAST MOHAWK GRID
MOHAWK GRID
(NW Extension)
FIVER 2
HAWK 3
POOL 1
POOL 3
POOL 4
POOL 5
FIVER FR.
FIVER
MOHAWK 1
MOHAWK 10
Mohawk
Creek
1982 Road Construction
1982 Extension
L4500
L4571
L4572
L4573
L5156
10146K
L5170
10145K
L15780
L15781
L5677
L8715
L8713
L5675
L8714
L8718
L8719
L9137
L9138
L9140
L4763
L15756
L15757
L15753
L15752
L15754
L15755
L15750
L15751
L15779
L5722
L5185
L9133
L6935
L10270
L10376
10100 SW
LEGEND
Sample Number & Result (Ag, Cu, Pb, Zn (ppm))
Claim Boundary & Legal Corner Post
Road
Creek
Contour Interval (feet)
N.S. No Sample
MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
10,844
Contour Interval
Zn
150-199 ppm
200-299 ppm
≥ 300 ppm
WESTMIN RESOURCES LTD.
MOHAWK PROJECT
ZINC SOIL GEOCHEMISTRY
(Northwest Area)
Scale 1:4,000
Date Nov. 1982
Drafted By R. Nany
Drawn By D. Dudek
Revised
N.T.S. No. 82 K/13
Figure 9