

DEKALB MINING CORPORATION

Geochemical, Geophysical, Geological,
Prospecting and Trenching report on the
April 1, April 2, and April 3 claim group
(52 units)

WILD HORSE RIVER PROJECT
FORT STEELE MINING DIVISION

NTS: 82 G13, 14
Latitude: 49° 50' N
Longitude: 115° 30' W

Project No.: 4454048

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

11,078

By: W.H. Thompson

March 09, 1983

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Map 2 Soil Geochemistry 1981

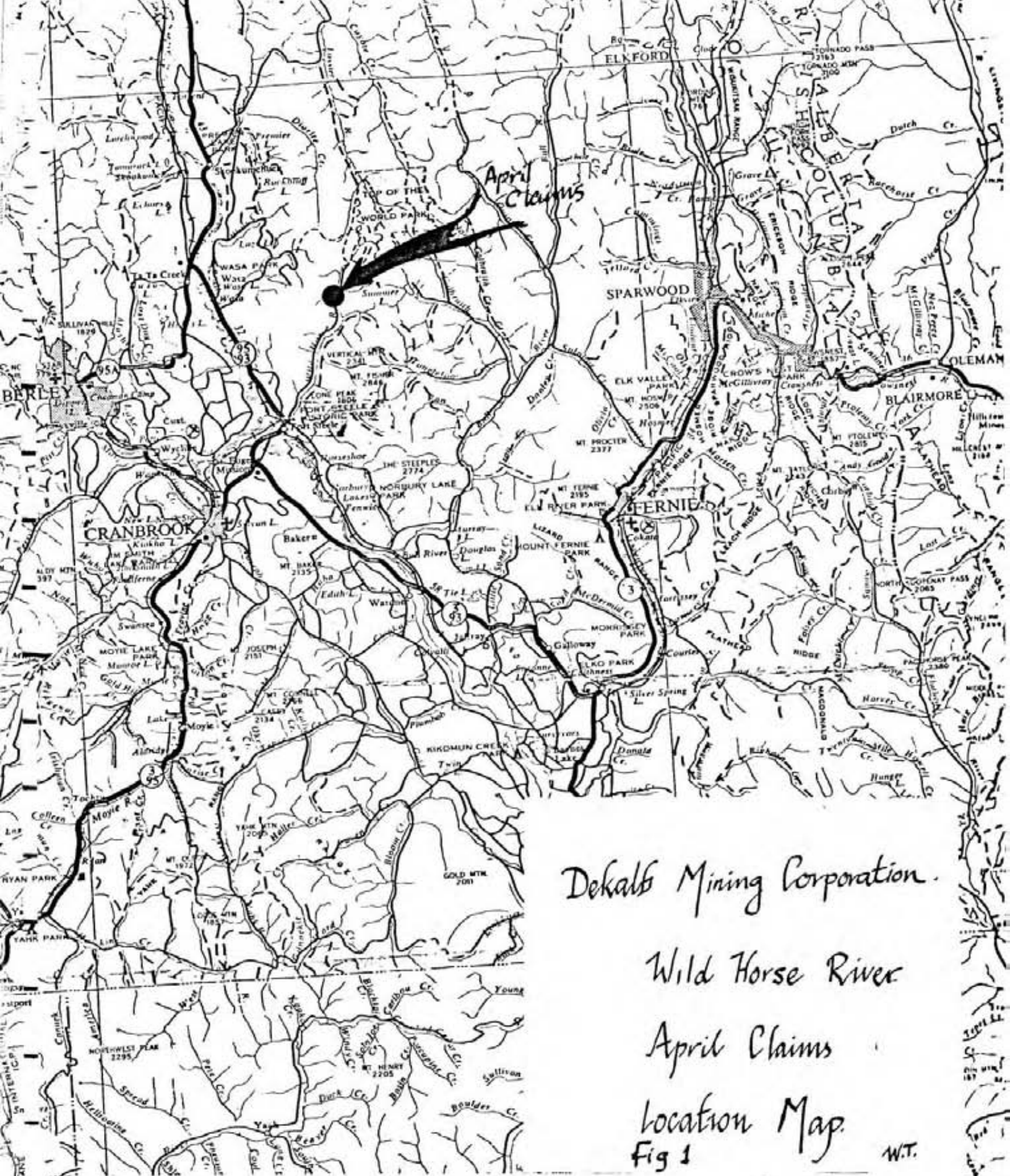
Map 3 Trenching and Soil Check Samples 1982

Map 4 VLF II E.M. Geophysical Survey 1982

1. SUMMARY

The property is located near the headwaters of the Wild Horse River, 40 km northeast of Cranbrook in Southeastern British Columbia. The claims were staked for DeKalb Mining Corporation in 1979 and 1980. Exploration to date on the property has consisted of geochemical surveys, geophysical surveys, geological mapping, prospecting and trenching.

Rocks on the property consist of northerly striking, steeply dipping proterozoic carbonate and clastic sediments, and a unit of mafic flows unconformably overlain to the east by Cambrian carbonates and fine clastics intruded in the northeast by an alkali feldspar porphyritic syenite rock. In the periphery of the stock the sediments have been contact metamorphosed to marbles, hornfels and skarns and locally have had low grade sporadic copper mineralization introduced along fractures and joint surfaces.



Dekalb Mining Corporation.

Wild Horse River

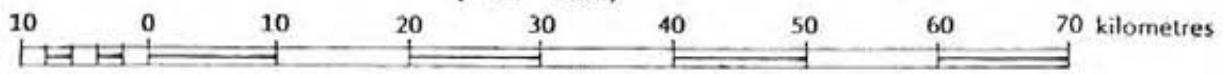
April Claims

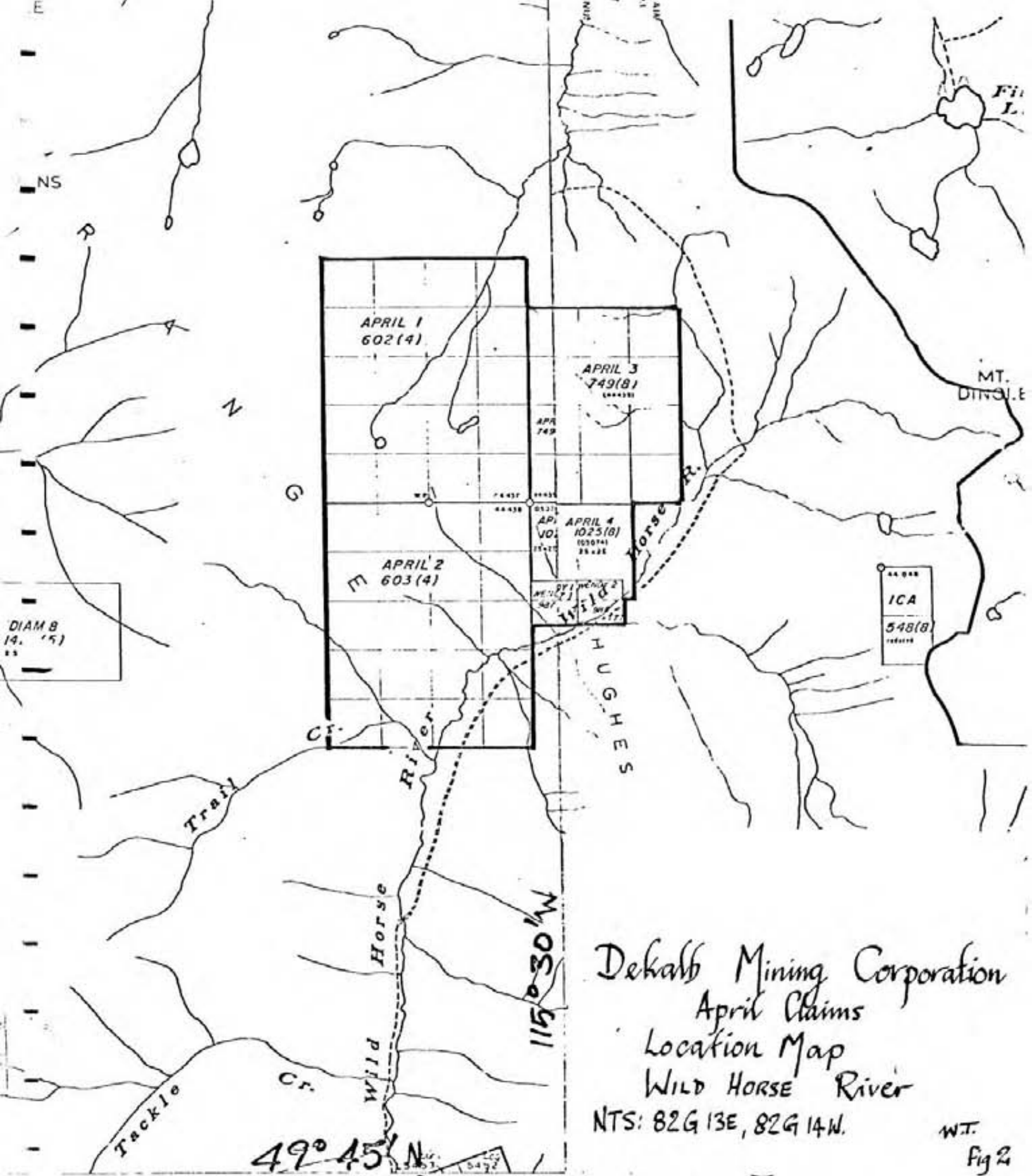
Location Map

Fig 1

W.T.

Scale - 1 : 600 000
(1 cm = 6km)



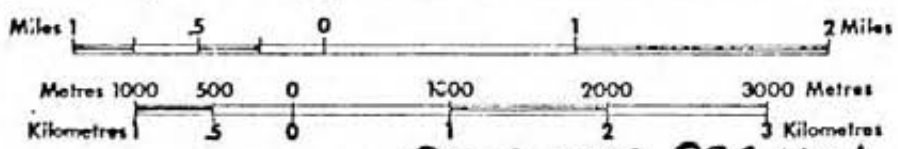


DeKalb Mining Corporation
 April Claims
 Location Map
 WILD HORSE RIVER
 NTS: 82G 13E, 82G 14W.

W.T.
 Fig 2

WILDHORSE (APRIL, WENDY).

- LEGEND**
- CROWN-GRANTED MINERAL CLAIM
 - REVERTED C.G. MINERAL CLAIM
 - FORFEITED MINERAL CLAIM
 - VERIFIED LEGAL CORNER POST
 - LEGAL SURVEY
 - LEGAL CORNER POST & TAG NUMBER 01244



Province of British Columbia
 Ministry of Energy, Mines and Petroleum Resources

DEC 00 1981 82G 13E 82G 14W

2. INTRODUCTION

(i) Property Definition

The claims are located near the headwaters of the Wild Horse River approximately 40 km northeast of Cranbrook (Figure 1). Access is by gravel road from Fort Steele about 27 km along the west side of the Wild Horse River. The property was staked for DeKalb in 1979 and 1980. Presently, two groups of claims are held. The first group consists of the April #1, April #2 and April #3 claims that contain 52 modified grid units. The second group is made up of the April #4, Wendy #1 and Wendy #2. This group contains four modified grid units and two 2 post claims. Thus the property in total, contains 56 modified grid units and two 2 post claims.

(ii) Previous Work

The first claims were staked by DeKalb Mining Corporation in 1979, subsequently claims were staked in 1980. Grid lines were cut on the property in 1979, 1980 and 1981. Soil sampling was done with a minimum spacing of 100 meters. Geological mapping was conducted over most of the property on a scale of 1:5000. The results from these programs indicated several geochemically anomalous zones in favourable geologic formations for porphyry and vein copper, lead, zinc and possibly gold deposits.

(iii) Summary of Work Done

(a) Geochemistry

The initial geochemical surveys included one thousand six hundred soil samples that were analyzed for Cu, Pb, Zn, and Ag.

(b) The follow-up 1982 geochemical surveys included an additional 13 soil samples and 49 rock samples that were analyzed for copper, silver, gold and tungsten. Some of these samples were taken from trenches cut in 1982.

(iv) Geophysics

A geophysical survey was conducted in 1982 over some of the more anomalous geochemical areas, and a total of 13.85 km of Phoenix VLF II E.M. Survey was done.

(v) Geology

Geological prospecting in 1982 was limited to the anomalous geochemical areas. This was combined with chip sampling and mapping trenches.

2. INTRODUCTION (Cont'd)

(vi) Trenching

Two trenches were cut in the most favourable accessible area. Both trenches were sampled. Several anomalous assays were recovered but no economic mineralization was identified.

3. GEOCHEMISTRY

From 1979-1981 most of the property had been covered by a geochemical silt and soil surveys. The soil samples were taken from the 'B' horizon (See Maps: 1, 2, 3 and Appendix I and IV for the locations of the samples). The samples were largely taken at 50 metre stations on picket and flagged lines that run east-west across the property. Some resampling and check samples were taken to verify results.

The 1982 program consisted of a follow-up program consisting mainly of checking previous results, and by doing soil profiles. These profiles were compared to rock chip samples from trenches. It seems that the soil samples provided higher copper values generally than samples obtained from the rock in the same area. The silver values in the rock and soil samples were comparable, and the gold values seemed to be a little higher in the rock samples. Not enough samples were taken to draw any specific conclusions. The analytical procedures are appended in Appendix II.

4. GEOPHYSICS

A phoenix VLF II E.M. unit was used to do 13.85 km of geophysical surveys in three geochemically anomalous areas. Seattle, Washington was the transmitter station used in the survey. Dip angles were plotted and interpreted by the geologist in the field (See Map 4). Readings were taken on the east-west grid lines at 50 metre intervals. The results indicate no strong VLF conductors are present in the three main soil anomaly areas.

5. GEOLOGY

The area is underlain by sedimentary and volcanic rocks of proterozoic and paleozoic ages. These have been intruded by a cretaceous syenite stock. The sedimentary rocks are generally northerly striking and dip steeply to the east or west. The oldest rocks occur on the western boundary and consist of helikian quartzites and siltstones of the Creston Formation. These are succeeded to the east by dolomites and thinly laminated siltstones of the Kitchener-Siyeh Formation with an upper unit of mafic, quartz amygdaloidal flows of the purcell lavas. Unconformably overlying these rocks is a thick unit of massive white limestone of cambrian age belonging to the Elko Formation, which is in turn overlain to the east by siltstones and argillites with intercalated carbonate beds.

5. GEOLOGY (Cont'd)

In the northeastern portion of the claims, the sediments have been intruded by a large irregular shaped syenite stock with abundant coarse-grained k-spar phenocrysts. Sedimentary rocks on the periphery of the stock have been contact metamorphosed to marbles, hornfels and impure carbonates were altered to garnet bearing skarns.

6. ECONOMIC GEOLOGY

The soil geochemistry has indicated several fairly extensive areas with anomalous copper values in the halo zone around the syenite stock. Prospecting of the outcrops in these areas has revealed sporadic low grade copper mineralization as disseminated chalcopyrite in fractures and quartz veins as well as malachite staining along joint surfaces. One of the anomalies in the northwestern portion of the claims was bulldozer trenched along two lines BLI, L9+00N and L10+00N. The outcrop exposed in these trenches were examined and only very minor chalcopyrite was observed. Chip sampling of these outcrops revealed high background values of copper in an altered diorite exposed at the west end of the trench on line 9+00N (See Appendix I assay numbers 14143 to 14150). These values are anomalous (up to 915 ppm Cu) and thus help explain the source of the copper soil anomaly in this area but as was the case in the other anomalous areas, the mineralization is very low grade.

7. PROSPECTING

The area of anomalous copper-in-soils were prospected to evaluate the extent and nature of mineralization present in these areas to attempt to explain the soil anomalies.

8. TRENCHING

Two bulldozer trenches were put in across a northwesterly trending copper-in-soil anomaly in the northwestern portion of the claims. The anomaly extends from line 12+00N 1+50W to 8+00N 0+00W and is up to 250 metres wide with values up to 1500 ppm Cu. The first trench was put in on line 9+00N from 0+50E to 1+20W, and the second trench was put in as line 10+00N from 0+50W to 1+30W. Bedrock is intermittently exposed, it was chip sampled at a maximum of 5 metre intervals. Chip samples were submitted to Min-En Laboratories, Vancouver, for rock geochemical analysis for Cu, W, Ag, Au. The results of those analyses are tabulated in Appendix I. (Assay No. 14134 to 14156).

9. CONCLUSIONS & RECOMMENDATIONS

To date only subeconomic mineralization has been encountered in exploration on the April claim group. Mineralization occurs principally as finely disseminated chalcopyrite and malachite in widely spaced fractures and along joint surfaces. The most probable explanation of the anomalous soil samples is a bedrock source of low grade copper mineralization related to the intrusion of a syenite stock.

Significantly, the geochemical anomalous zones are fairly large and the lack of specific targets has resulted in trenching one of the three main anomalies. Future exploration should consider induced polarization or another geophysical tool to more appropriately define either trenching or diamond drill hole targets, before the prospect is dropped. When and if these surveys are conducted, possible transportation of the anomalies due to the terrain should be taken into account when the areas to be surveyed are selected.

10. DIARY OF EVENTS: JULY 19 to AUGUST 10, 1982

- July 19 Robertson & Irwin - set up camp.
20 Robertson & Irwin - set up camp.
21 Robertson & Irwin - set up camp.
22 Robertson & Irwin - set up camp.
23 Robertson & Irwin - set up camp.) reconnaissance prospecting
24 Robertson & Irwin - set up camp.) line locations.
25 J. Ayer & Irwin - Geology & VLF survey
26 J. Ayer & Irwin - Geology & VLF survey
27 J. Ayer & Irwin - Geology & VLF survey
28 J. Ayer & Irwin - Geology & VLF survey
29 J. Ayer & Irwin - Geology & VLF survey
30 J. Ayer & Irwin & Robertson - Geology/Prospecting & VLF
31 J. Ayer & Irwin & Robertson - Trenching
August 1 J. Ayer & Irwin & Robertson - Trenching
2 J. Ayer & Irwin & Robertson - Trenching & VLF
3 J. Ayer & Irwin & Robertson - Trenching only
4 J. Ayer & Irwin & Robertson - Trenching only
5 M. Cowan, J. Ayer, Irwin, Robertson - Geology & cleaning trenches
6 J. Ayer, Irwin, Robertson - Trenching
7 J. Ayer, Irwin, Robertson - Trenching
8 J. Ayer, Irwin, Robertson - Trenching
9 J. Ayer, Irwin, Robertson - Trenching
10 J. Ayer, Irwin, Robertson - Trenching
11 J. Ayer, Irwin, Robertson - Packing - Demobilize - Vancouver.

11. BREAKDOWN OF COSTS

(i) TRENCHING

D-8 cat 27 hours + mob/demob	\$ 3,877.60
Equipment & food	855.17
Bronco 4 x 4 rental	400.00
Personnel - salaries	
J. Ayer \$150/day x 8	1,200.00
Irwin & Robertson - 16 man days x \$65/day	<u>1,040.00</u>
<u>TOTAL</u>	<u>\$ 7,372.77</u>

(ii) GEOCHEMISTRY

Geological checking of previous mapping was done simultaneously with geochemical sampling

Assays	\$ 515.40
Shipping	8.50
Bronco rental	496.50
Printing	314.20
J. Ayer \$150/day x 7	1,050.00
Camp costs 4 man days @ \$65/man day	260.00
M. Cowan - consultant 1 day @ \$300/day	300.00
Air fare	<u>222.50</u>
<u>TOTAL</u>	<u>\$ 3,167.10</u>

(iii) GEOPHYSICS

VLF II rental 7 days @ \$21.00/day	\$ 147.00
7 days VLF survey x \$65/man day	455.00
Camp demob & misc. plotting 8 man days @ \$65/day	<u>520.00</u>
<u>TOTAL</u>	<u>\$ 1,122.00</u>
Trenching, Geochemistry Geophysics - <u>SUB TOTAL</u>	<u>\$11,661.87</u>
Report preparation 4 days @ \$225/day	<u>\$ 900.00</u>
<u>GRAND TOTAL</u>	<u>\$12,561.87</u>

12. PERSONNEL

Geological mapping and prospecting was conducted by J. Ayer. The VLF Survey, trench cleaning and drip sampling by S. Irwin and J. Robertson. The above work was conducted during the period July 19 to August 10, 1982.

Qualifications of J. Ayer

A. I, John Ayer, am by profession a geologist.

B. I graduated in 1976 from Carlton University, Ottawa, Ontario with an Honours B.Sc. in geology and in 1979 with an M.Sc. in geology from the same institution.

I have been employed full time in exploration and mining geology since graduation.

J. Ayer, B.Sc., M.Sc.

This report was largely produced by J. Ayer but was compiled and submitted by W. Thompson in Mr. Ayer's absence.

13. QUALIFICATIONS OF AUTHOR

NAME: WILLIAM HENRY THOMPSON

EDUCATION:

I have completed four years of full time geological studies at the Universities of Victoria and Saskatchewan (Saskatoon Campus).

EXPERIENCE:

I have been employed as a geologist since 1972 with the following companies:

- 1) Consolidated Churchill Copper Corporation
(Mine Geologist)
- 2) Dumbarton Mines Ltd.
(Mine Geologist)
- 3) International Minerals & Chemical Corp.
(Mine Geologist, Exploration Geologist)
- 4) United States Steel Corporation
(Exploration Geological Consultant)
- 5) DeKalb Mining Corporation
(Exploration Geologist, Mine Geologist)

PROFESSIONAL ASSOCIATION:

I am an Associate Member of the Geological Association of Canada, and a member of the Prospectors and Developers Association.



W.H. Thompson

14. REFERENCES

- 1982 In house report by J. Ayer August 1982
on the Wild Horse River April Claims.
- 1981 In house June, July report by A.J. Morris
on the April Claims, Wild Horse River
- 1981 August report by A.J. Morris
- 1981 East Wild Horse Creek report by R. Buckley
- 1979 Geological Report - East Wild Horse Creek by R. Buckley

APPENDIX I

1982 ROCK AND SOIL

GEOCHEMICAL DATA

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ROCK AND SOIL GEOCHEMICAL SAMPLES

ASSAY NO.	SAMPLE LOCATION	DESCRIPTION
14107	BL11 11+00N 10+75W	Tremolitic marble.
08	" 19+25N 0+25W	Pyritic quartz vein.
09	" 20+25N 5+00W	Porphyritic syenite.
10	" 20+00N 5+50W ✓	Porphyritic syenite.
11	" 20+00N 6+50W ✓	Rusty syenite.
12	" 20+00N 8+50W ✓	Porphyritic syenite.
13	" 19+00N 8+50W ✓	Garnet skarn.
14	" 19+50N 9+00W ✓	Syenite with Cu staining.
15	" 19+50N 9+00W ✓	Syenite with diss. Cpy.
16	" 18+00N 7+75W	Garnet skarn.
17	" 18+00N 7+75W	Quartz vein with diss. Cpy.
18	" 17+00N 4+50W	Garnet skarn.
19	" 17+00N 4+50W	Hornfelsed siltstone.
20	" 17+00N 4+50W	Syenite dyke.
21	" 17+15N 6+50W	Rusty hornfelsed siliceous siltstone.
22	" 17+10N 6+75W ✓	Aplite dyke with diss. Cpy.
23	" 1+50N 12+00W	Skarn.
24	" 1+50N 11+00W	Calcite marble.
25	" 1+00N 10+50W	Porphyritic syenite.
26	" 1+00N 12+00W	Porphyritic syenite.
27	" 1+00N 12+50W	Porphyritic syenite.
28	" 5+00N 13+00W ✓	Marble with diss. Cpy. in fractures
29	" 5+00N 13+00W ✓	Rusty monzonite dyke.
30	BL1 3+75N 2+00W ✓	Rusty siltstone.
31	" 3+75N 2+50W ✓	Rusty siltstone.
32	" 2+00S 3+50E ✓	Green & pink banded argillite.
33	" 2+00S 2+00E ✓	Amygdaloidal basalt.
34	" 10+00N 1+25-1+30W	Chip sample-spotted hornfels.
35	" 10+00N 1+20-1+25W	Chip sample-spotted hornfels.
36	" 10+00N 1+15-1+20W	Chip sample-spotted hornfels.
37	" 10+00N 1+10-1+15W	Chip sample-spotted hornfels.
38	" 10+00N 1+00-1+05W	Chip sample-spotted hornfels.
39	" 10+00N 1+97-1+00W	Chip sample-metabasalt.
40	" 10+00N 0+90-0+94W	Chip sample-metabasalt.
41	" 10+00N 0+85-0+90W	Chip sample-metabasalt cut by monzonite dyke.
42	" 10+00N 0+80-0+84W	Chip sample-metabasalt.

...

ASSAY NO.	SAMPLE LOCATION	DESCRIPTION
14143	BL1 9+00N 1+0.75-1+12.5W	Chip sample-altered diorite.
44	" 9+00N 1+07.5-1+12.5W	Chip sample-altered diorite.
45	" 9+00N 0+97.5-1+02.5W	Chip sample-altered diorite.
46	" 9+00N 0+92.5-0+97.5W	Chip sample-altered diorite.
47	" 9+00N 0-87.5-0+92.5W	Chip sample-altered diorite.
48	" 9+00N 0+82.5-0+87.5W	Chip sample-altered diorite.
49	" 9+00N 0+82.5-0+86.5W	Chip sample-altered diorite.
50	" 9+00N 0+75.5-0+82.5W	Chip sample-altered diorite. Cut by granodiorite dykes.
51	" 9+00N 0+65.0-0+70.0W	Chip sample-granodiorite.
52	" 9+00N 0+61.5-0+65.0W	Chip sample-granodiorite.
53	" 9+00N 0+40.0-0+45.5W	Chip sample-granodiorite.
54	" 9+00N 0+35.0-0+40.0W	Chip sample-granodiorite.
55	" 9+00N 0+13.0-0+16.0W	Chip sample-granodiorite.
56	" 9+00N 0+20.0-0+14.0E	Chip sample-granodiorite.
S9	BL11 1+00N 10+50W ✓	Soil sample-B horizon.
S10	" 19+50N 9+00W ✓	Soil sample-B horizon.
S11	" 3+00S 1+50E	Soil sample-B horizon.
S12	" 2+00S 3+50E	Soil sample-B horizon.
S13	" 2+00S 2+00E	Soil sample-B horizon.
S14	" 9+00N 1+00W ✓	Soil profile sample-2 ft.
S15	" 9+00N 1+00W	Soil profile sample-4 ft.
S16	" 9+00N 1+00W	Soil profile sample-6 ft.
S17	" 9+00N 1+00W	Soil profile sample-8 ft.
S18	" 9+00N 1+00W	Soil profile sample-10 ft.
S19	" 10+00N 1+00W	Soil profile sample-1 ft.
S20	" 10+00N 1+00W	Soil profile sample-3 ft.
S21	" 10+00N 1+00W	Soil profile sample-5ft.

MIN-EN Laboratories Ltd.

705 WEST 15th STREET,
NORTH VANCOUVER, B.C., CANADA V7M 1T2
TELEPHONE (604) 980-5814

ANALYTICAL REPORT

Project 4454048 Date of report Aug. 20/82

File No. 2-515 Date samples received Aug. 16/82

Samples submitted by:

Company: Dekalb Mining Corp.

Report on: 13 soils, 49 rocks Geochem samples

..... Assay samples

Copies sent to:

1. Dekalb Mining, Vancouver, B.C.

2.

3.

Samples: Sieved to mesh -80 soil Ground to mesh -80 rock

Prepared samples stored discarded

rejects stored discarded

Methods of analysis: Cu, Ag-nitric, perchloric digestion, A.A.,

..... Au-Aqua Regia, A.A., W-Fusion-Colorimetric.

Remarks:

SPECIALISTS IN MINERAL ENVIRONMENTS

COMPAN Wald Mining

GEOCHEMICAL ANALYSIS DATA SHEET

-5-

PROJECT No.: 4454048

MIN - EN Laboratories Ltd.

DATE: Aug. 20

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5814

1982.

ATTENTION: J. Aye

Sample Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb	W ppm	75	80	
81	86	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160
14107		8					0.8					1.0	<2	JA82R67		
08		63					0.4					2.0	3		6.8	
09		14					0.3					5	<2		6.9	
10		15					0.5					5	<2		7.0	
11		149					0.4					1.0	<2		7.1	
12		118					0.4					5	<2		7.2	
13		14					1.0					5	<2		7.3	
14		4190					0.6					1.0	<2		7.4A	
15		8300					4.2					1.0	2		7.4B	
16		63					1.2					5	<2		7.5A	
17		590					1.4					5	12		7.5B	
18		43					0.6					5	<2		7.6A	
19		130					0.5					1.0	<2		7.6B	
20		185					0.3					5	<2		7.6C	
21		492					1.0					5	4		7.7	
22		1325					0.6					5	9		7.8	
23		10					1.5					5	<2		7.9	
24		6					0.8					5	<2		8.0	
25		245					1.5					1.0	<2		8.1	
26		15					0.4					5	<2		8.2	
27		6					0.3					5	<2		8.3	
28		3620					2.2					5	<2		8.4	
29		465					0.3					5	<2		8.5	
30		23					0.4					5	<2		8.6	
31		114					0.5					5	<2		8.7	
32		6					0.2					5	<2		8.8	
33		6					1.1					5	<2		8.9	
34		113					0.6					5	<2		9.0	
35		40					0.3					1.0			9.1	
14136		41					0.4					1.0			9.2	

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JA82R92

APPENDIX II

ANALYTICAL PROCEDURES

GEOCHEMICAL PREPARATION
AND
ANALYTICAL PROCEDURES

GROUP A PERCHLORIC-NITRIC ACID EXTRACTION

1. Geochemical samples (soils, silts) are dried at 80°C for a period of 12 to 24 hours. The dried sample is sieved to -80 mesh fraction through a nylon and stainless steel sieve. Rock geochemical materials are crushed, dried and pulverized to -100 mesh.
2. A 1.00 gram portion of the sample is weighed into a calibrated test tube. The sample is digested using hot 70% HClO₄ and concentrated HNO₃. Digestion time = 2 hours.
3. Sample volume is adjusted to 25 mls. using demineralized water. Sample solutions are homogenized and allowed to settle before being analyzed by atomic absorption procedures.
4. Detection limits using Techtron A.A. 5 atomic absorption unit.

Copper	- 1 ppm
Molybdenum	- 1 ppm
Zinc	- 1 ppm
* Silver	- 0.2 ppm
* Lead	- 1 ppm
* Nickel	- 1 ppm
* Chromium	- 5 ppm
* Cobalt	- 1 ppm
Manganese	- 5 ppm
Iron	- 2 ppm

* Ag, Pb, Co and Ni are corrected for background absorption.

5. Elements present in concentrations below the detection limits are reported as one half the detection limit, i.e. Ag - 0.1 ppm.

GROUP B ELEMENTS REQUIRING INDIVIDUAL AND SPECIFIC EXTRACTION TECHNIQUES

1. PPM Arsenic:

A 1.0 gram sample is digested with a mixture of perchloric and nitric acid to strong fumes of perchloric acid. The digested solution is diluted to volume and mixed. An aliquot of the digest is acidified, reduced with KI and mixed. A portion of the reduced solution is converted to arsine with NaBH_4 and the arsenic content determined using flameless atomic absorption.

Detection limit: 1 ppm

2. PPB Gold:

5 gm samples ashed @ 800°C for one hour, digested with aqua regia - twice to dryness - taken up in 25% HCl -, the gold then extracted as the bromide complex into MIBK and analyzed via A.A.

Detection limit: 10 ppb

3. PPM Tungsten:

0.50 gm sample is fused with potassium bisulfate and leached with hydrochloric acid. The reduced form of tungsten is complexed with toluene 3,4 dithiol and extracted into an organic phase. The resulting color is visually compared to similarly prepared standards.

Detection limit: 2 ppm W

4. PPM Tin:

1.00 gm of sample is sintered with ammonium iodide. The resulting tin iodide is leached with a dilute HCL - ascorbic acid solution. The TOPO complex is then extracted with MIBK and analyzed via A.A.

Detection limit: 1 ppm Sn

GEOCHEMICAL ANALYSES

Soil, sediment and biogeochemical materials.

INSTRUMENTAL AND CHEMICAL ANALYSES

Element	Detection Limit	Price
Group A — Perchloric-nitric acid extraction *		
Copper	1 ppm	1st element — \$1.75/sample Each additional element — \$0.75/sample
Molybdenum	1 ppm	
*Lead	1 ppm	*Background correction applied at no additional cost.
Zinc	1 ppm	
*Silver	0.1 ppm	
*Cadmium	0.1 ppm	
*Nickel	1 ppm	
*Cobalt	1 ppm	
Iron	2 ppm	
Manganese	5 ppm	
Chromium	1 ppm	

*Other extraction techniques by request

Group B — Elements requiring individual and specific extraction techniques.

*Antimony	0.2 ppm	\$3.75
Arsenic	1 ppm	3.25
Beryllium	0.2 ppm	4.00
*Bismuth	0.2 ppm	3.75
Fluorine	20 ppm	3.75
Gold — A.A.	10 ppb	4.50
Gold — F.A. & A.A.	.5 ppb	5.50
Gold — F.A. & N.A.A.	1 ppb	5.75
L.O.I.	0.1 %	2.50
Mercury	5 ppb	3.50
Palladium — F.A. & A.A.	5 ppb	15.00
pH	0.1 pH unit	2.00
Phosphorus	5 ppm	3.50
Platinum — F.A. & A.A.	20 ppb	15.00
Platinum & Palladium — F.A. & A.A.		20.00
Selenium	1 ppm	5.00
Sulfur	20 ppm	5.00
Tantalum — Neutron Activation	1 ppm	6.00
Tellurium	0.1 ppm	5.00
Thorium — Neutron Activation	1 ppm	6.00
Tin	2 ppm	3.75
Tungsten	2 ppm	3.75
Uranium — Fluorometric	0.5 ppm	3.00
Uranium — Neutron Activation	0.5 ppm	3.00

*Background correction applied

Group C — Perchloric-nitric-hydrofluoric acid extraction

Aluminum	10 ppm	1st element — \$3.75/sample Each additional element — \$2.00/sample
Barium	10 ppm	
Calcium	10 ppm	Note: Upper limit for Group C elements — 10000 ppm.
Lithium	5 ppm	
Magnesium	10 ppm	
Potassium	10 ppm	
Rubidium	10 ppm	
Sodium	10 ppm	
Strontium	10 ppm	
Vanadium	5 ppm	

LAB PREPARATION OF GEOLOGICAL, GEOCHEMICAL AND BIOLOGICAL MATERIALS

Sample handling and preparation procedures are as important as field sampling techniques. A poorly prepared sample is neither representative of the material obtained in the field nor can it be analysed with any degree of confidence. For this reason we spend considerable time studying handling and preparation procedures for each project. The quality of our analytical services depends on the care we take with your sample materials.

Prep. Code*	Sample Type	Description Prep. Procedure	Price/Sample
201	Soil or Sediment	Dry, sieve through an ASTM 80 mesh screen (0.18mm).	\$ 0.60
203	Soil or Sediment	Dry, sieve through an ASTM 35 mesh screen (0.50mm). The -35 mesh fraction is pulverized and homogenized in a ring grinder to approx. -100 mesh.	\$ 1.50
204	Soil or Sediment	Dry, sieve through an ASTM 80 mesh screen. The -80 mesh fraction is pulverized and homogenized in a ring grinder to approx. -100 mesh.	\$ 1.25
205	Rock chips (geochem analysis)	Crush entire sample. Subsample if necessary. Pulverize in a ring grinder to approximately -100 mesh (0.15mm).	\$ 2.00
206	Lake bottom sediment	Dry, pulverize in a ring grinder to homogenize sample and reduce particle size to approximately -200 mesh (0.075mm).	\$ 2.00
207	Drill core, Rock chips (assay)	Assay Prep. — Primary and secondary jaw crushing, tertiary cone crushing. Pulverize approx. 250 gm subsample in a rotary pulverizer. Pulps for precious metals are screened to -100 mesh (0.15mm) and examined for 'metallics'.	\$ 3.50
208	Drill core, Rock chips (assay)	Assay Prep. — Primary and secondary jaw crushing, tertiary cone crushing. Pulverize approx. 200 gm. subsample in a ring grinder.	\$ 3.00
209	Drill core, Rock chips (assay)	Assay Prep. — For High Grade Materials. Preparation same as 208 except pulp is screened to -100 mesh.	\$ 3.50
210	Vegetation	Dry, chop in a cutter mill to pass a -20 mesh (0.84mm) screen.	\$ 4.00
213	Stream sediments Pan concentrates	Separation of Heavy Minerals having a specific gravity greater than 2.96.	\$12.00
214	Pulp	As received (dry and -100 mesh)	\$ N/C
251	Drill core, Rock chips (geochem analysis)	Overweight charge on excess weight over 10 lbs. on drill core samples and over 2 lbs. on rock chip samples.	\$ 0.25/lb
261	Sample Pulps	Compositing charge	\$ 0.75 per included sample

CRUSHED SAMPLE REJECT STORAGE CHARGE — By Quotation

* Occurs in the first column of each certificate.

No need to copy.

-T.K.

APPENDIX III

COPIES OF NOTICE TO GROUP



MINERAL ACT

FORM I

RECEIVED
MAR 20 1980 5.01
R.H. 1335/66

NOTICE TO GROUP

GOLD COMMISSIONER
FORT STEELE MINING DIVISION
CRANBROOK, B.G.

Mining Division Fort Steele

Location: Wild Horse River

Name of group April Group

Map No. 82 G 12

We, the undersigned owners* of the following adjoining mineral claims, desire to group them according to the provisions of the *Mineral Act*:—

NAME OF CLAIM	No. of Units	Record No. or Lot No.	Month of Record	SIGNATURE OF OWNER*	Free Miner's Certificate No.
April #1	20	602	Apr.	R.A. Buckley Agent	R.A. Buckley-18763
April #2	20	603	Apr.	for DeKalb Mining	DeKalb-187631
April #3	12	749	Aug.	Corporation	<i>R.A. Buckley</i>

INVALID - Mine files AD sent - [unclear]

2086



MINERAL ACT

FORM I

SUPPLEMENTARY

NOTICE TO GROUP

Mining Division Fort Steele Location Wild Horse River

Name of group April Group Map No. 82 G 12

We, the undersigned owners* of the following adjoining mineral claims, desire to group them according to the provisions of the Mineral Act:—

Table with 6 columns: NAME OF CLAIM, No. of Units, Record No. or Lot No., Month of Record, SIGNATURE OF OWNER*, Free Miner's Certificate No. Rows include April #4, Wendy #1, Wendy #2, and a handwritten signature for William H. Thompson.

APPENDIX IV

1981 & 1982 GEOCHEMICAL ANALYSES



CALGARY

100 - 2021 - 41 AVENUE N.E.
CALGARY, ALBERTA, CANADA T2E 6P2
TELEPHONE (403) 276-9627 TELEX 038-25541

EDMONTON

8764 - 50th AVENUE
EDMONTON, ALBERTA, CANADA T6E 5K8
TELEPHONE (403) 465-9877

GRANDE PRAIRIE

8504-112 STREET
GRANDE PRAIRIE, ALBERTA, CANADA T8V 5X4
TELEPHONE (403) 532-0227

CERTIFICATE OF ANALYSIS

• MINERAL • GAS • WATER • OIL • SOILS • VEGETATION • ENVIRONMENTAL ANALYSIS

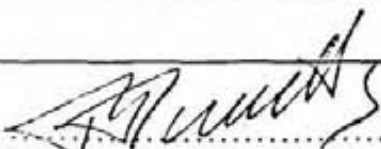
DEKALB MINING CORPORATION

DATE JUNE 17, 1982

PROJECT NO. 82-147-1-0021

LOCATION	AU PPB
B.L. II	
15 + OON/1 + 50 AW	<10
15 + OON/1 + 50 BW	<10
15 + OON/2 + 00 W	<10
15 + OON/2 + 50 W	<10
15 + OON/3 + 00 W	<10
15 + OON/3 + 50 W	<10
15 + OON/4 + 00 W	<10
15 + OON/4 + 50 W	<10
15 + OON/5 + 00 W	<10
15 + OON/5 + 50 W	<10
15 + OON/6 + 00 W	<10
15 + OON/6 + 50 W	<10
15 + OON/7 + 00 W	<10
15 + OON/7 + 50 W	<10
15 + OON/8 + 00 W	<10
15 + OON/8 + 50 W	<10
15 + OON/9 + 00 W	<10
15 + OON/9 + 50 W	<10
15 + OON/10 + 00 W	<10
15 + OON/10 + 50 W	<10
15 + OON/11 + 00 W	<10
15 + OON/11 + 50 W	<10
15 + OON/12 + 00 W	<10
17 + OON/0 + 00 W	<10
17 + OON/0 + 50 W	<10
17 + OON/1 + 00 W	<10
17 + OON/1 + 50 W	<10
17 + OON/2 + 00 W	<10
17 + OON/2 + 50 W	<10
17 + OON/3 + 00 W	<10
17 + OON/3 + 50 W	<10
17 + OON/4 + 00 W	<10
17 + OON/5 + 50 W	<10
17 + OON/5 + 00 W	<10
17 + OON/5 + 50 W	<10
17 + OON/6 + 00 W	<10
17 + OON/6 + 50 W	<10



Certified by 



CALGARY: # 100 - 2021 - 41 AVENUE N.E.
 CALGARY, ALBERTA, CANADA T2E 6P2
 TELEPHONE (403) 276-9627 TELEX 038-25541

EDMONTON 8764 - 50th AVENUE
 EDMONTON, ALBERTA, CANADA T6E 5K8
 TELEPHONE (403) 465-9877

GRANDE PRAIRIE 8504-112 STREET
 GRANDE PRAIRIE, ALBERTA, CANADA T8V 5X4
 TELEPHONE (403) 532-0227

CERTIFICATE OF ANALYSIS

• MINERAL • GAS • WATER • OIL • SOILS • VEGETATION • ENVIRONMENTAL ANALYSIS

DEKALB MINING CORPORATION

DATE JUNE 17, 1982

PROJECT NO.82-147-1-0021

LOCATION	AU PPB	LOCATION	AU PPB
B.L. II		B.L. II	
17 + OCN/7 + 00 W	<10	20 + OCN/8 + 00 W	<10
17 + OCN/7 + 50 W	<10	20 + OCN/8 + 50 W	<10
17 + OCN/8 + 00 W	<10	20 + OCN/9 + 00 W	<10
17 + OCN/8 + 50 W	<10		
17 + OCN/9 + 00 W	<10		
17 + OCN/9 + 50 W	<10		
17 + OCN/10 + 00 W	<10		
17 + OCN/10 + 50 W	<10		
17 + OCN/11 + 00 W	<10		
17 + OCN/11 + 50 W	<10		
17 + OCN/12 + 00 W	<10		
19 + OCN/0 + 00 W	<10		
19 + OCN/0 + 50 W	<10		
19 + OCN/1 + 00 W	<10		
19 + OCN/1 + 50 W	<10		
19 + OCN/2 + 00 W	<10		
19 + OCN/2 + 50 W	<10		
19 + OCN/3 + 00 W	<10		
19 + OCN/3 + 50 W	<10		
19 + OCN/4 + 00 W	<10		
19 + OCN/4 + 50 W	<10		
19 + OCN/5 + 00 W	<10		
19 + OCN/5 + 50 W	<10		
20 + OCN/0 + 00 W	<10		
20 + OCN/0 + 50 W	<10		
20 + OCN/1 + 00 W	<10		
20 + OCN/1 + 50 W	<10		
20 + OCN/2 + 00 W	<10		
20 + OCN/2 + 50 W	<10		
20 + OCN/3 + 00 W	<10		
20 + OCN/3 + 50 W	<10		
20 + OCN/4 + 00 W	<10		
20 + OCN/4 + 50 W	<10		
20 + OCN/5 + 00 W	<10		
20 + OCN/6 + 00 W	<10		
20 + OCN/6 + 50 W	<10		
20 + OCN/7 + 00 W	<10		
20 + OCN/7 + 50 W	<10		



Certified by

[Handwritten Signature]

CERTIFICATE OF ANALYSIS

GENERAL • GAS • WATER • OIL • SOILS • VEGETATION • ENVIRONMENTAL ANALYSIS

DEKALB MINING CORPORATION

DATE JULY 17, 1981

GEOCHEMICAL ANALYSES

PROJECT NO. 0147-1-4253

LOCATION	CU PPM	PB PPM	AG PPM	W PPM
5+00S III B.L.	30.0	25.0	0.7	-2.0
0+50E	89.0	32.0	0.2	-2.0
1+00E	45.0	21.0	0.5	-2.0
1+50E	146.0	37.0	0.1	-2.0
2+00E	66.0	29.0	0.4	-2.0
0+50W	116.0	46.0	0.4	-2.0
1+00W	121.0	45.0	-0.1	-2.0
1+50W	26.0	24.0	0.6	-2.0
2+00W	105.0	101.0	0.2	-2.0
2+50W	73.0	64.0	0.2	-2.0
3+00W	113.0	85.0	0.4	-2.0
50W	61.0	49.0	0.4	-2.0
4+00W	74.0	49.0	0.3	-2.0
4+50W	49.0	23.0	0.5	-2.0
5+00W	119.0	29.0	0.2	-2.0
5+50W	57.0	30.0	0.3	-2.0
6+00W	131.0	45.0	0.2	-2.0
6+50W	36.0	28.0	0.1	-2.0
7+00W	27.0	23.0	0.2	-2.0
7+50W	28.0	18.0	0.1	-2.0
8+00W	42.0	25.0	0.2	-2.0
8+50W	40.0	29.0	-0.1	-2.0
9+00W	68.0	35.0	-0.1	-2.0
9+50W	83.0	35.0	-0.1	-2.0
10+00W	45.0	47.0	0.2	-2.0
6+00S III B.L.	56.0	35.0	0.2	-2.0
0+50E	63.0	27.0	-0.1	-2.0
1+00E	143.0	22.0	0.2	-2.0
1+50E	68.0	25.0	0.3	-2.0
0+50W	86.0	64.0	0.1	-2.0
1+00W	26.0	28.0	0.2	-2.0
1+50W	98.0	24.0	0.1	-2.0
2+00W	89.0	70.0	0.6	-2.0
2+50W	53.0	40.0	0.2	-2.0
3+00W	65.0	39.0	0.2	-2.0
3+50W	109.0	60.0	0.2	-2.0
00W	87.0	26.0	0.1	-2.0
4+50W	57.0	31.0	0.1	-2.0
5+00W	169.0	50.0	0.1	-2.0
5+50W	129.0	64.0	0.2	-2.0

CERTIFICATE OF ANALYSIS

• MINERAL • GAS • WATER • OIL • SOILS • VEGETATION • ENVIRONMENTAL ANALYSIS

DEKALB MINING CORPORATION

DATE JULY 17, 1981

GEOCHEMICAL ANALYSES

PROJECT NO. 0147-1-4253

LOCATION	CU PPM	PB PPM	AG PPM	W PPM
6+00S III 6+00W	112.0	55.0	-0.1	-2.0
4+50W	53.0	40.0	0.4	-2.0
+00W	78.0	48.0	-0.1	-2.0
7+50W	24.0	27.0	0.6	-2.0
8+00W	51.0	25.0	0.2	-2.0
+50W	123.0	50.0	-0.1	-2.0
+00W	51.0	25.0	-0.1	-2.0
9+50W	81.0	215.0	0.2	-2.0
0+00W	35.0	42.0	0.3	-2.0
+00S III B.L.	78.0	19.0	0.1	-2.0
0+50W	59.0	58.0	0.1	-2.0
1+00W	54.0	24.0	-0.1	-2.0
10W	78.0	46.0	0.2	-2.0
2+00W	45.0	30.0	-0.1	-2.0
2+50W	83.0	41.0	-0.1	-2.0
+00W	130.0	56.0	-0.1	-2.0
+50W	44.0	23.0	0.2	-2.0
4+00W	60.0	19.0	0.2	-2.0
+50W	81.0	41.0	0.2	-2.0
+00W	81.0	61.0	-0.1	-2.0
5+50W	82.0	85.0	-0.1	-2.0
+00W	50.0	64.0	0.3	-2.0
+50W	112.0	57.0	0.2	-2.0
7+00W	86.0	67.0	0.2	-2.0
7+50W	116.0	123.0	0.2	-2.0
+00W	19.0	30.0	0.2	-2.0
+50W	85.0	92.0	-0.1	-2.0
9+00W	79.0	86.0	0.2	-2.0
+50W	105.0	103.0	0.1	-2.0
0+00W	48.0	59.0	-0.1	-2.0
8+00S III B.L.	23.0	12.0	0.4	-2.0
+50W	28.0	13.0	0.3	-2.0
+00W	44.0	18.0	0.1	-2.0
1+50W	63.0	43.0	0.3	-2.0
2+00W	83.0	47.0	0.2	-2.0
+50W	240.0	47.0	-0.1	-2.0
+00W	76.0	38.0	-0.1	-2.0
0W	41.0	17.0	-0.1	-2.0
00W	76.0	24.0	-0.1	-2.0
+50W	86.0	59.0	0.2	-2.0

CERTIFICATE OF ANALYSIS

MINERAL • GAS • WATER • OIL • SOILS • VEGETATION • ENVIRONMENTAL ANALYSIS

DEKALB MINING CORPORATION

DATE **JULY 17, 1981**

GEOCHEMICAL ANALYSES

PROJECT NO. **0147-1-4253**

LOCATION	CU PPM	PB PPM	AG PPM	W PPM
8+00S III 5+00W	82.0	51.0	0.2	-2.0
5 30W	145.0	61.0	0.3	-2.0
6 30W	50.0	50.0	0.1	-2.0
6+50W	55.0	65.0	-0.1	-2.0
7 20W	34.0	36.0	-0.1	-2.0
7 30W	55.0	46.0	-0.1	-2.0
8 00W	58.0	46.0	-0.1	-2.0
8+50W	54.0	45.0	0.2	-2.0
9 30W	75.0	81.0	-0.1	-2.0
9 50W	26.0	30.0	-0.1	-2.0
10+00W	36.0	25.0	-0.1	-2.0
9 30S III B.L.	35.0	22.0	0.1	-2.0
0 30W	42.0	14.0	-0.1	-2.0
1+00W	28.0	11.0	0.1	-2.0
1 30W	57.0	15.0	0.1	-2.0
2 30W	52.0	21.0	0.2	-2.0
2 50W	124.0	25.0	-0.1	-2.0
3+ 00W	71.0	38.0	0.1	-2.0
3 30W	28.0	44.0	-0.1	-2.0
4 30W	71.0	52.0	0.2	-2.0
4+50W	144.0	52.0	0.1	-2.0
5 30W	87.0	43.0	0.1	-2.0
5 50W	32.0	23.0	-0.1	-2.0
6+00W	55.0	53.0	0.2	-2.0
6 30W	61.0	50.0	-0.1	-2.0
7 30W	86.0	72.0	-0.1	-2.0
7+50W	105.0	59.0	-0.1	-2.0
8+00W	55.0	53.0	0.1	-2.0
8 30W	57.0	49.0	0.2	-2.0
9 00W	42.0	64.0	-0.1	-2.0
9+50W	37.0	42.0	-0.1	-2.0
10 00W	46.0	39.0	-0.1	-2.0
10 00S III B.L.	25.0	20.0	-0.1	-2.0
0+50W	42.0	13.0	-0.1	-2.0
1 30W	39.0	22.0	0.1	-2.0
1 30W	30.0	14.0	0.1	-2.0
2 30W	29.0	16.0	0.1	-2.0
2 30W	12.0	12.0	-0.1	-2.0
3 30W	28.0	2.0	-0.1	-2.0
3 30W	75.0	48.0	-0.1	-2.0

CERTIFICATE OF ANALYSIS

• MINERAL • GAS • WATER • OIL • SOILS • VEGETATION • ENVIRONMENTAL ANALYSIS

DEKALB MINING CORPORATION

DATE **JULY 17, 1981**

GEOCHEMICAL ANALYSES

PROJECT NO. **0147-1-4253**

LOCATION	CU PPM	PB PPM	AG PPM	W PPM
10+00S III 4+00W	132.0	57.0	-0.1	-2.0
+50W	92.0	47.0	-0.1	-2.0
+00W	101.0	39.0	0.2	-2.0
5+50W	49.0	24.0	0.3	-2.0
6+00W	22.0	39.0	-0.1	-2.0
+50W	51.0	44.0	0.2	-2.0
7+00W	103.0	50.0	-0.1	-2.0
7+50W	101.0	52.0	-0.1	-2.0
+00W	59.0	34.0	-0.1	-2.0
+50W	38.0	29.0	-0.1	-2.0
9+00W	45.0	19.0	-0.1	-2.0
+50W	39.0	19.0	-0.1	-2.0
+00W	50.0	25.0	-0.1	-2.0
16+00S B.L.	21.0	13.0	-0.1	-2.0
+50E	25.0	10.0	-0.1	-2.0
+00E	60.0	11.0	0.3	-2.0
+50E	42.0	12.0	-0.1	-2.0
2+00E	25.0	14.0	-0.1	-2.0
+50E	69.0	23.0	-0.1	-2.0
+00E	59.0	24.0	-0.1	-2.0
3+50E	33.0	11.0	-0.1	-2.0
+00E	22.0	23.0	0.3	-2.0
+50E	71.0	20.0	-0.1	-2.0
5+00E	16.0	14.0	0.3	-2.0
5+50E	36.0	16.0	0.3	-2.0
+00E	76.0	21.0	0.1	-2.0
8+50E	64.0	17.0	-0.1	-2.0
7+00E	32.0	53.0	0.1	-2.0
+50E	34.0	51.0	0.2	-2.0
+00E	29.0	62.0	-0.1	-2.0
0+50W	25.0	8.0	-0.1	-2.0
+00W	30.0	8.0	-0.1	-2.0
+50W	38.0	9.0	-0.1	-2.0
2+00W	13.0	7.0	-0.1	-2.0
2+50W	27.0	6.0	-0.1	-2.0
+00W	12.0	18.0	-0.1	-2.0
3+50W	22.0	10.0	-0.1	-2.0
+00W	34.0	10.0	-0.1	-2.0
+50W	38.0	7.0	-0.1	-2.0
+00W	13.0	9.0	-0.1	-2.0

CERTIFICATE OF ANALYSIS

• MINERAL • GAS • WATER • OIL • SOILS • VEGETATION • ENVIRONMENTAL ANALYSIS

DEKALB MINING CORPORATION

DATE **JULY 17, 1981**

GEOCHEMICAL ANALYSES

PROJECT NO. **0147-1-4253**

LOCATION	CU PPM	PB PPM	AG PPM	W PPM
16+00S 5+50W	19.0	10.0	-0.1	-2.0
6+00W	25.0	21.0	-0.1	-2.0
6+50W	19.0	12.0	-0.1	-2.0
7+00W	18.0	8.0	-0.1	-2.0
7+50W	21.0	20.0	-0.1	-2.0
8+00W	19.0	10.0	-0.1	-2.0
17+00S B.L.	32.0	14.0	-0.1	-2.0
0+50E	18.0	13.0	-0.1	-2.0
1+00E	22.0	10.0	-0.1	-2.0
1+50E	36.0	17.0	-0.1	5.0
2+00E	44.0	20.0	-0.1	-2.0
2+50E	17.0	13.0	-0.1	-2.0
3+00E	38.0	24.0	-0.1	-2.0
3+50E	46.0	17.0	-0.1	-2.0
4+00E	30.0	14.0	-0.1	-2.0
4+50E	73.0	16.0	-0.1	-2.0
5+00E	61.0	20.0	-0.1	-2.0
5+50E	53.0	41.0	-0.1	-2.0
6+00E	15.0	22.0	-0.1	-2.0
6+50E	28.0	40.0	0.4	-2.0
7+00E	58.0	123.0	-0.1	-2.0
0+50W	30.0	9.0	-0.1	-2.0
1+00W	26.0	8.0	-0.1	-2.0
1+50W	18.0	13.0	-0.1	-2.0
2+00W	27.0	25.0	-0.1	-2.0
2+50W	21.0	7.0	-0.1	-2.0
3+00W	42.0	14.0	-0.1	-2.0
3+50W	35.0	14.0	0.2	-2.0
4+00W	33.0	14.0	-0.1	-2.0
4+50W	16.0	19.0	-0.1	-2.0
5+00W	25.0	7.0	0.3	-2.0
5+50W	26.0	3.0	0.2	-2.0
6+00W	32.0	5.0	-0.1	-2.0
6+50W	63.0	12.0	0.2	-2.0
7+00W	12.0	2.0	-0.1	-2.0
7+50W	60.0	6.0	-0.1	-2.0
18+00S B.L.	62.0	21.0	-0.1	-2.0
1+50E	34.0	20.0	-0.1	-2.0
1+00E	34.0	29.0	-0.1	-2.0
1+50E	24.0	13.0	-0.1	-2.0

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DEKALB MINING CORPORATION

DATE **JULY 17, 1981**

GEOCHEMICAL ANALYSES

PROJECT NO. **0147-1-4253**

LOCATION	CU PPM	PB PPM	AG PPM	W PPM
8+00S 2+00E	34.0	8.0	-0.1	-2.0
7+50E	28.0	10.0	-0.1	-2.0
3+00E	64.0	20.0	-0.1	-2.0
4+50E	38.0	12.0	-0.1	-2.0
4+00E	47.0	11.0	-0.1	-2.0
4+50E	28.0	14.0	-0.1	-2.0
4+00E	37.0	18.0	-0.1	-2.0
4+50E	51.0	16.0	-0.1	-2.0
6+00E	82.0	191.0	-0.1	-2.0
5+50W	31.0	8.0	-0.1	-2.0
5+00W	27.0	5.0	-0.1	-2.0
4+50W	32.0	2.0	-0.1	-2.0
2+00W	25.0	3.0	-0.1	-2.0
4+50W	31.0	3.0	-0.1	-2.0
4+00W	26.0	5.0	-0.1	-2.0
3+50W	23.0	8.0	-0.1	-2.0
4+00W	153.0	2.0	-0.1	-2.0
4+50W	30.0	4.0	-0.1	-2.0
5+00W	31.0	3.0	-0.1	-2.0
5+50W	15.0	4.0	-0.1	-2.0
4+00W	27.0	4.0	-0.1	-2.0
6+50W	23.0	3.0	-0.1	-2.0
19+00S B.L.	29.0	7.0	-0.1	-2.0
4+50E	47.0	8.0	-0.1	-2.0
4+00E	28.0	8.0	-0.1	-2.0
1+50E	18.0	7.0	0.3	-2.0
4+00E	17.0	8.0	-0.1	-2.0
4+50E	22.0	8.0	-0.1	-2.0
3+00E	45.0	12.0	-0.1	-2.0
7+50E	40.0	13.0	-0.1	-2.0
4+00E	21.0	7.0	-0.1	-2.0
4+50E	22.0	8.0	-0.1	-2.0
5+00E	27.0	10.0	-0.1	-2.0
4+50W	21.0	8.0	-0.1	-2.0
4+00W	23.0	2.0	-0.1	-2.0
4+00W	21.0	2.0	-0.1	-2.0
4+00W	18.0	1.0	-0.1	-2.0
4+50W	29.0	5.0	-0.1	-2.0
3+00W	52.0	12.0	-0.1	-2.0
4+50W	34.0	7.0	-0.1	-2.0

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DEKALB MINING CORPORATION

DATE JULY 17, 1981

GEOCHEMICAL ANALYSES

PROJECT NO. 0147-1-4253

LOCATION	CU PPM	PB PPM	AG PPM	W PPM
19+00S 4+00W	35.0	3.0	-0.1	-2.0
4+50W	20.0	8.0	-0.1	-2.0
+00W	47.0	8.0	-0.1	-2.0
7+50W	44.0	5.0	-0.1	-2.0
6+00W	59.0	5.0	-0.1	-2.0
+50W	33.0	6.0	-0.1	-2.0
20+00S B.L.	22.0	7.0	-0.1	-2.0
0+50E	31.0	3.0	-0.1	-2.0
+00E	26.0	4.0	-0.1	-2.0
+50E	37.0	10.0	-0.1	-2.0
2+00E	25.0	12.0	-0.1	-2.0
7+50E	66.0	11.0	-0.1	-2.0
0E	37.0	15.0	-0.1	-2.0
20E	53.0	23.0	-0.1	-2.0
4+00E	31.0	10.0	-0.1	20.0
+50E	20.0	5.0	-0.1	-2.0
1+00E	49.0	12.0	-0.1	-2.0
0+50W	18.0	4.0	-0.1	-2.0
+00W	21.0	7.0	-0.1	-2.0
+50W	20.0	9.0	-0.1	-2.0
2+00W	13.0	8.0	-0.1	-2.0
7+50W	16.0	9.0	-0.1	-2.0
+00W	28.0	8.0	-0.1	-2.0
3+50W	10.0	12.0	-0.1	-2.0
4+00W	25.0	10.0	-0.1	-2.0
+50W	43.0	4.0	-0.1	-2.0
1+00W	22.0	7.0	-0.1	-2.0
21+00S B.L.	21.0	10.0	-0.1	-2.0
0+50E	30.0	2.0	-0.1	-2.0
+00E	14.0	2.0	-0.1	-2.0
1+50E	17.0	6.0	-0.1	-2.0
7+00E	18.0	8.0	-0.1	-2.0
1+50E	45.0	30.0	-0.1	-2.0
3+00E	31.0	16.0	-0.1	-2.0
3+50E	47.0	15.0	-0.1	-2.0
+00E	21.0	15.0	-0.1	-2.0
1+50W	17.0	8.0	-0.1	-2.0
1+00W	14.0	8.0	-0.1	-2.0
1+50W	17.0	8.0	-0.1	-2.0
1+50W	12.0	11.0	-0.1	-2.0

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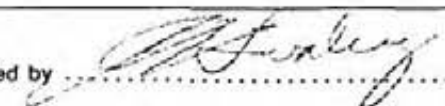
DATE AUG. 31, 1981

GEOCHEMICAL ANALYSES

PROJECT NO. 0147-1-4756

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LOCATION	CU PPM	FE PPM	ZN PPM	W PPM
B.I				
8+50N-5+00E	22	61	132	<2
8+50N-4+50E	16	52	55	<2
8+50N-4+00E	16	57	66	<2
8+50N-3+50E	20	47	40	<2
8+50N-3+00E	32	87	41	<2
8+50N-2+50E	32	30	59	<2
8+50N-2+00E	41	31	166	<2
8+50N-1+50E	39	29	52	<2
8+50N-1+00E	1	14	8	<2
8+50N-0+50E	725	31	136	<2
8+50N-0+00	11	17	13	<2
8+50N-0+50W	220	26	38	<2
8+50N-1+00W	30	24	22	<2
8+50N-1+50W	17	28	24	<2
8+50N-2+00W	9	19	10	<2
8+50N-2+50W	9	16	20	<2
8+50N-3+00W	85	24	30	<2
8+50N-3+50W	73	21	32	<2
8+50N-4+00W	23	20	28	<2
8+50N-4+50W	20	22	51	<2
8+50N-5+00W	18	21	47	<2
9+00N-0+00	44	32	60	<2
9+50N-5+00E	34	61	80	<2
9+50N-4+50E	35	43	103	<2
9+50N-4+00E	50	56	42	<2
9+50N-3+50E	22	36	36	<2
9+50N-3+00E	58	53	114	<2
9+50N-2+50E	52	35	59	<2
9+50N-2+00E	153	34	205	<2
9+50N-1+50E	66	29	45	<2
9+50N-1+00E	263	38	126	<2
9+50N-0+50E	19	23	37	<2
9+50N-0+00E	331	21	28	<2
9+50N-0+50W	343	34	170	<2
9+50N-1+00W	66	26	41	<2
9+50N-1+50W	18	26	23	<2
9+50N-2+00W	49	27	47	<2
9+50N-2+50W	29	27	54	<2



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DATE AUG. 31, 1981

GEO-CHEMICAL ANALYSES

PROJECT NO. 0147-1-4756

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LOCATION	CU PPM	PB PPM	ZN PPM	W PPM
FLI				
9+50N-3+00W	15	22	32	<2
9+50N-3+50W	11	30	18	<2
9+50N-4+00W	16	26	32	<2
9+50N-4+50W	68	39	56	<2
9+50N-5+00W	14	18	38	<2
10+50N-5+00E	69	52	53	<2
10+50N-4+50E	17	50	103	<2
10+50N-4+00E	24	46	56	<2
10+50N-3+50E	54	34	70	<2
10+50N-3+00E	76	55	98	<2
10+50N-2+50E	60	31	74	<2
10+50N-2+00E	21	34	36	<2
10+50N-1+50E	34	32	67	<2
10+50N-1+00E	477	27	104	<2
10+50N-0+50E	1412	31	219	<2
10+50N-0+00	35	28	51	<2
10+50N-0+50W	15	30	43	<2
10+50N-1+00W	23	26	45	<2
10+50N-1+50W	961	21	38	<2
10+50N-2+00W	39	27	45	<2
10+50N-2+50W	61	35	38	<2
10+50N-3+00W	32	28	50	<2
10+50N-3+50W	17	26	50	<2
10+50N-4+00W	19	24	39	<2
10+50N-4+50W	14	22	33	<2
10+50N-5+00W	18	24	42	<2
11+50N-5+00E	49	57	100	<2
11+50N-4+50E	54	44	32	<2
11+50N-4+00E	147	94	165	<2
11+50N-3+50E	109	44	95	<2
11+50N-3+00E	130	32	125	<2
11+50N-2+50E	69	31	35	<2
11+50N-2+00E	50	25	24	<2
11+50N-1+50E	10	24	29	<2
11+50N-1+00E	19	20	22	<2
11+50N-0+50E	14	23	47	<2
11+50N-0+00	24	25	45	<2
11+50N-0+50W	20	28	47	<2

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DEKALB MINING CORP.
 GEOCHEMICAL ANALYSES

DATE AUG. 31, 1991

PROJECT NO. 0147-1-4756

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LOCATION	CU PPM	PB PPM	ZN PPM	W PPM
FL I				
11+50N-1+00W	14	23	33	<2
11+50N-1+50W	1082	28	83	<2
11+50N-2+00W	28	33	37	<2
11+50N-2+50W	16	26	50	<2
11+50N-3+00W	12	26	50	<2
11+50N-3+50W	31	23	28	<2
11+50N-4+00W	29	26	55	<2
11+50N-4+50W	17	23	28	<2
11+50N-5+00W	14	23	22	<2
12+50N-5+00E	49	90	41	<2
12+50N-4+50E	28	46	50	<2
12+50N-4+00E	20	52	63	<2
12+50N-3+50E	66	33	34	<2
12+50N-3+00E	12	23	29	<2
12+50N-2+50E	39	25	56	<2
12+50N-2+00E	3	13	17	<2
12+50N-1+50E	3	10	24	<2
12+50N-1+00E	17	68	96	<2
12+50N-0+50E	19	30	44	<2
12+50N-0+00	23	29	39	<2
12+50N-0+50W	11	21	29	<2
12+50N-1+00W	8	14	12	<2
12+50N-1+50W	3	7	10	<2
12+50N-2+00W	5	21	26	<2
12+50N-2+50W	20	25	24	<2
12+50N-3+00W	12	38	43	<2
12+50N-3+50W	42	29	51	<2
12+50N-4+00W	12	26	50	<2
12+50N-4+50W	15	22	47	<2
12+50N-5+00W	45	29	45	<2
FL II				
0+50S-0+00	73	36	55	<2
0+50N-0+00W	74	40	44	<2
0+50N-0+50W	80	40	67	<2
0+50N-1+00W	249	43	60	<2
0+50N-1+50W	78	42	135	<2
0+50N-2+00W	54	43	75	<2
0+50N-2+50W	91	38	135	<2



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 GEOCHEMICAL ANALYSES

DATE AUG. 31, 1981

PROJECT NO. 0147-1-4756

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LOCATION	CU PPM	PB PPM	ZN PPM	W PPM
EL II				
0+50N-3+00W	79	52	188	<2
0+50N-3+50W	70	43	129	<2
0+50N-4+00W	110	37	150	<2
0+50N-4+50W	80	69	250	<2
0+50N-5+00W	44	38	78	<2
0+50N-5+50W	52	48	120	<2
0+50N-6+00W	83	43	107	<2
0+50N-6+50W	98	45	99	<2
0+50N-7+00W	120	39	92	<2
0+50N-7+50W	23	34	182	<2
0+50N-8+00W	97	46	91	<2
0+50N-8+50W	26	44	165	<2
0+50N-9+00W	252	75	204	<2
0+50N-9+50W	136	54	90	<2
0+50N-10+00W	234	60	140	<2
0+50N-10+50W	122	54	110	<2
0+50N-11+00W	14	58	21	<2
0+50N-11+50W	146	56	87	<2
0+50N-12+00W	136	64	156	<2
0+50N-12+50W	64	51	264	<2
0+50N-13+00W	235	61	165	<2
0+50N-13+50W	238	99	213	<2
1+50N-0+00	475	46	56	<2
1+50N-0+50W	109	37	114	<2
1+50N-1+00W	167	46	92	<2
1+50N-1+50W	42	36	72	<2
1+50N-2+00W	69	33	94	<2
1+50N-2+50W	42	34	105	<2
1+50N-3+00W	79	45	74	<2
1+50N-3+50W	63	30	138	<2
1+50N-4+00W	77	36	72	<2
1+50N-4+50W	24	43	95	<2
1+50N-5+00W	35	50	65	<2
1+50N-5+50W	29	56	92	<2
1+50N-6+00W	74	50	159	<2
1+50N-6+50W	85	41	144	<2
1+50N-7+00W	181	35	71	<2
1+50N-7+50W	356	29	47	<2

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 GEOCHEMICAL ANALYSES

DATE AUG. 31, 1981
 PROJECT NO. 0147-1-4756

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LOCATION	CU PPM	PB PPM	ZN PPM	W PPM
EL II				
1+50N-8+00W	135	60	187	<2
1+50N-8+50W	135	47	126	<2
1+50N-9+00W	203	47	102	<2
1+50N-9+50W	147	49	98	<2
1+50N-10+00W	686	404	208	<2
1+50N-10+50W	86	52	149	<2
1+50N-11+00W	569	52	163	<2
1+50N-11+50W	38	52	168	<2
1+50N-12+00W	84	45	114	<2
0+50N-12+50W	37	34	140	<2
0+50N-13+00W	32	90	188	<2
0+50N-13+50W	219	50	31	<2
2+50N-0+00	51	51	140	15
2+50N-0+50W	53	35	184	<2
2+50N-1+00W	20	45	128	<2
2+50N-1+50W	26	48	148	<2
2+50N-2+00W	49	50	87	<2
2+50N-2+50W	74	37	116	<2
2+50N-3+00W	334	48	568	<2
2+50N-3+50W	50	55	76	<2
2+50N-4+00W	28	50	89	<2
2+50N-4+50W	118	62	94	<2
2+50N-5+00W	77	49	93	<2
2+50N-5+50W	35	53	75	<2
2+50N-6+00W	127	80	76	<2
2+50N-6+50W	193	76	98	<2
2+50N-7+00W	75	47	106	<2
2+50N-7+50W	57	35	75	<2
2+50N-8+00W	134	34	77	<2
2+50N-8+50W	151	31	82	<2
2+50N-9+00W	168	61	112	<2
2+50N-9+50W	92	62	57	<2
2+50N-10+00W	187	45	169	<2
2+50N-10+50W	94	42	122	<2
2+50N-11+00W	250	59	168	<2
2+50N-11+50W	30	39	161	<2
2+50N-12+00W	59	36	127	<2
2+50N-12+50W	66	34	139	<2

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 DEKALB MINING CORP.
 GEOCHEMICAL ANALYSES

DATE AUG. 31, 1981

PROJECT NO. 0147-1-4756

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LOCATION	CU PPM	PE PPM	ZN PPM	W PPM
BL II				
2+50N-13+00W	45	44	168	<2
2+50N-13+50W	60	49	138	<2
3+50N-0+00	73	396	99	<2
3+50N-0+50W	49	43	100	<2
3+50N-1+00W	28	47	78	<2
3+50N-1+50W	41	41	97	<2
3+50N-2+00W	65	45	104	<2
3+50N-2+50W	84	41	90	<2
3+50N-3+00W	53	39	83	<2
3+50N-3+50W	25	36	118	<2
3+50N-4+00W	17	36	70	<2
3+50N-4+50W	103	164	160	<2
3+50N-5+00W	70	61	96	<2
3+50N-5+50W	103	42	77	<2
3+50N-6+00W	167	95	122	<2
3+50N-6+50W	343	132	142	<2
3+50N-7+00W	395	29	55	<2
3+50N-7+50W	69	29	64	<2
3+50N-8+00W	518	33	62	<2
14+00N-0+00	55	32	75	5
14+00N-0+50W	24	29	20	<2
14+00N-1+00W	47	35	63	<2
14+00N-1+50W	72	42	96	<2
14+00N-2+00W	44	31	50	<2
14+00N-2+50W	36	36	56	<2
14+00N-3+00W	97	32	53	<2
14+00N-3+50W	46	30	64	<2
14+00N-4+00W	94	38	66	<2
14+00N-4+50W	106	37	72	<2
14+00N-5+00W	118	40	78	<2
14+00N-5+50W	78	34	70	<2
14+00N-6+00W	130	39	67	<2
14+00N-6+50W	75	38	60	<2
14+00N-7+00W	115	42	83	<2
14+00N-7+50W	266	82	117	<2
14+00N-8+00W	142	83	134	<2
14+00N-8+50W	87	72	109	<2
14+00N-9+00W	119	105	130	<2

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 DEKALB MINING CORP.
 GEOCHEMICAL ANALYSES

DATE AUG. 31, 1981

PROJECT NO. 0147-1-4756

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LOCATION	CU PPM	PB PPM	ZN PPM	W PPM
EL II				
14+00N-9+50W	56	72	143	<2
14+00N-10+00W	23	63	38	<2
14+00N-10+50W	38	59	57	<2
14+00N-11+00W	52	73	121	<2
14+00N-11+50W	55	71	119	<2
14+00N-12+00W	51	97	117	<2
16+00N-0+00	67	40	60	20
16+00N-0+50W	20	35	53	<2
16+00N-1+00W	65	35	75	<2
16+00N-1+50W	9	40	23	<2
16+00N-2+00W	652	47	130	<2
16+00N-2+50W	31	39	59	<2
16+00N-3+00W	11	31	30	<2
16+00N-3+50W	50	40	129	<2
16+00N-4+00W	53	23	115	<2
16+00N-4+50W	48	30	63	<2
16+00N-5+00W	65	75	111	<2
16+00N-5+50W	125	17	156	<2
16+00N-6+00W	180	38	70	<2
16+00N-6+50W	68	23	56	<2
16+00N-7+00W	48	46	45	<2
16+00N-7+50W	83	114	51	<2
16+00N-8+00W	142	51	69	<2
16+00N-8+50W	146	43	123	<2
16+00N-9+00W	131	29	84	<2
16+00N-9+50W	223	40	111	<2
16+00N-10+00W	117	35	108	<2
16+00N-10+50W	61	46	109	<2
16+00N-11+00W	68	26	26	<2
16+00N-11+50W	16	21	28	<2
16+00N-12+00W	18	15	19	<2
18+00-0+00	29	14	43	<2
18+00N-0+50W	7	25	8	<2
18+00N-1+00W	51	22	41	<2
18+00N-1+50W	89	31	37	<2
18+00N-2+00W	94	32	64	<2
18+00N-2+50W	70	32	56	<2
18+00N-3+00W	41	30	39	<2

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DEKALE MINING CORP.
 GEOCHEMICAL ANALYSES

DATE AUG. 31, 1981

PROJECT NO. 0147-1-4756

PAGE - 8

LOCATION	CU PPM	PB PPM	ZN PPM	W PPM
EL II				
18+00N-3+50W	44	60	35	<2
18+00N-4+00W	203	51	75	<2
18+00N-4+50W	202	61	110	<2
18+00N-5+00W	312	28	45	10
18+00N-5+50W	225	49	52	<2
18+00N-6+00W	725	73	89	<2
18+00N-6+50W	378	37	50	<2
18+00N-7+00W	1065	46	80	<2
18+00N-7+50W	1055	124	127	<2
18+00N-8+00W	465	24	31	<2
EL III				
0+50S-10+00W	75	34	179	<2
0+50S-9+50W	132	35	105	<2
0+50S-9+00W	83	27	145	<2
0+50S-8+50W	77	25	91	<2
0+50S-8+00W	185	36	160	<2
0+50S-7+50W	70	33	109	<2
0+50S-6+00W	94	28	156	<2
0+50S-5+50W	130	23	156	<2
0+50S-5+00W	153	29	139	<2
0+50S-4+50W	22	26	121	<2
0+50S-4+00W	39	11	67	<2
0+50S-3+50W	125	72	228	<2
0+50S-3+00W	57	28	204	<2
0+50S-2+50W	51	19	199	<2
0+50S-2+00W	37	15	51	<2
0+50S-1+50W	74	32	86	<2
0+50S-1+00W	61	35	58	<2
0+50S-0+50W	104	25	88	<2
0+50S-0+00	1067	37	92	<2
0+50S-0+50E	928	26	78	<2
0+50S-1+00E	173	18	135	<2
0+50S-1+50E	39	22	89	<2
0+50S-2+00E	100	44	270	<2
0+50S-2+50E	39	15	64	<2
0+50S-3+00E	85	21	92	<2
0+50S-0+50E	87	54	175	<2
1+00S-4+00W	57	21	85	<2



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DEKALB MINING CORP.

DATE AUG. 31, 1981

GEOCHEMICAL ANALYSES

PROJECT NO. 0147-1-4756

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LOCATION	CU PPM	PB PPM	ZN PPM	W PPM
U.III				
0+50S-7+00W	6	20	66	<2
0+50S-6+50W	43	36	125	<2
1+00S-0+50E	38	23	115	<2
1+00S-1+00E	118	15	98	<2
1+00S-1+50E	79	18	79	<2
1+00S-2+00E	54	22	73	<2
1+00S-2+30E	117	10	74	<2
1+00S-3+00E	164	16	64	<2
1+00S-3+50E	40	25	50	<2
2+00S-0+00	144	190	187	<2
2+00S-0+50E	49	31	110	<2
2+00S-1+00E	75	23	93	<2
2+00S-1+50E	95	17	56	<2
2+00S-2+00E	209	19	102	20
2+00S-2+50E	140	18	62	<2
2+00S-3+00E	78	21	117	<2
2+00S-3+50E	283	31	86	15
2+00S-4+00E	26	20	91	<2
3+00S-0+00E	94	51	170	<2
3+00S-0+50E	85	62	150	<2
3+00S-1+00E	165	29	62	5
3+00S-1+50E	145	27	114	10
3+00S-2+00E	98	32	125	<2
3+00S-2+50E	90	14	61	<2
3+00S-3+00E	81	16	73	<2
4+00S-0+00	20	24	99	<2
4+00S-0+50E	60	16	139	<2
4+00S-1+00E	135	46	112	<2
4+00S-1+50E	68	27	103	<2
4+00S-2+00E	69	28	89	<2
4+00S-2+50E	82	136	120	<2



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DEKALB MINING CORPORATION
 WILDHORSE ANALYSES
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DATE SEPT. 9, 1981
 PROJECT NO. 0147-1-4779

SOIL ANALYSES

LOCATION	CU PPM	PB PPM	ZN PPM	AG PPM	W PPM
BLII					
15+00N/1+00W	24	10	31	<0.1	<2
15+00N/1+50W	27	9	36	<0.1	<2
15+00N/2+00W	22	9	25	<0.1	<2
15+00N/2+50W	62	11	62	<0.1	<2
15+00N/3+00W	76	14	69	<0.1	<2
15+00N/3+50W	37	19	44	<0.1	<2
15+00N/4+00W	23	10	60	<0.1	<2
15+00N/4+50W	42	14	55	<0.1	<2
15+00N/5+00W	72	21	57	<0.1	<2
15+00N/5+50W	36	23	49	<0.1	<2
15+00N/6+00W	116	16	80	<0.1	<2
15+00N/6+50W	133	18	51	<0.1	<2
15+00N/7+00W	109	21	54	<0.1	<2
15+00N/7+50W	70	17	55	<0.1	<2
15+00N/8+00W	76	21	57	<0.1	<2
15+00N/8+50W	57	23	66	<0.1	<2
15+00N/9+00W	123	20	93	<0.1	<2
15+00N/9+50W	435	11	73	<0.1	<2
15+00N/10+00W	289	20	100	<0.1	75
15+00N/10+50W	136	29	94	<0.1	<2
15+00N/11+00W	107	72	119	<0.1	<2
15+00N/11+50W	84	44	97	<0.1	<2
15+00N/12+00W	68	46	84	<0.1	<2
17+00N/0+00W	34	10	33	<0.1	5
17+00N/0+50W	15	18	27	<0.1	5
17+00N/1+00W	42	31	67	<0.1	5
17+00N/1+50W	80	19	53	<0.1	<2
17+00N/2+00W	41	18	70	<0.1	<2
17+00N/2+50W	21	99	27	<0.1	<2
17+00N/3+00W	83	180	113	<0.1	<2
17+00N/3+50W	332	80	136	<0.1	<2
17+00N/4+00W	407	137	141	<0.1	<2
17+00N/4+50W	1495	56	90	<0.1	<2
17+00N/5+00W	708	130	126	<0.1	<2
17+00N/5+50W	41	48	76	<0.1	<2
17+00N/6+00W	94	28	77	<0.1	<2
17+00N/6+50W	185	26	87	<0.1	<2
17+00N/7+00W	114	20	67	<0.1	<2
17+00N/7+50W	121	25	70	<0.1	<2
17+00N/8+00W	142	10	45	<0.1	<2



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BEKALE MINING CORPORATION

DATE SEPT. 9, 1981

WILDHORSE ANALYSES

PROJECT NO. 0147-1-4719

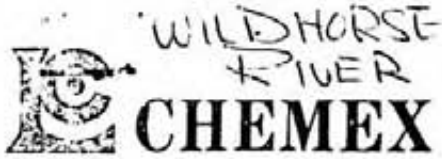
PAGE 2

SOIL ANALYSES

LOCATION	CU PPM	PB PPM	ZN PPM	AG PPM	W PPM
PLT1					
17+00N/3+50W	100	12	80	<0.1	<2
17+00N/4+00W	65	40	131	<0.1	<2
17+00N/4+50W	86	32	114	<0.1	<2
17+00N/5+00W	20	20	27	<0.1	<2
17+00N/5+50W	40	28	110	<0.1	<2
17+00N/6+00W	64	18	84	<0.1	<2
17+00N/6+50W	17	7	27	<0.1	<2
17+00N/7+00W	19	10	31	<0.1	<2
17+00N/7+50W	10	10	110	<0.1	<2
17+00N/8+00W	60	10	140	<0.1	<2
17+00N/8+50W	60	10	71	<0.1	<2
17+00N/9+00W	52	9	63	<0.1	<2
17+00N/9+50W	700	25	100	<0.1	<2
18+00N/3+00W	20	10	50	<0.1	<2
18+00N/3+50W	10	10	17	<0.1	<2
18+00N/4+00W	20	10	10	<0.1	<2
18+00N/4+50W	500	20	84	<0.1	<2
18+00N/5+00W	60	20	26	<0.1	<2
18+00N/5+50W	10	10	10	<0.1	<2
18+00N/6+00W	200	100	91	<0.1	<2
20+00N/1+00W	40	10	45	<0.1	<2
20+00N/1+50W	100	20	27	<0.1	<2
20+00N/2+00W	400	27	100	<0.1	<2
20+00N/2+50W	10	10	10	<0.1	<2
20+00N/3+00W	52	15	57	<0.1	<2
20+00N/3+50W	125	10	50	<0.1	<2
20+00N/4+00W	64	10	20	<0.1	<2
21+00N/3+50W	10	40	17	<0.1	<2
20+00N/4+50W	30	10	100	<0.1	<2
20+00N/5+00W	200	10	125	<0.1	<2
20+00N/5+50W	200	10	10	<0.1	<2
20+00N/6+00W	10	20	60	1.2	<2
20+00N/6+50W	10	10	110	0.8	<2
20+00N/7+00W	0	10	10	0.5	<2
20+00N/7+50W	800	40	200	<0.1	<2
20+00N/8+00W	40	10	100	<0.1	<2
20+00N/8+50W	10	10	100	<0.1	<2
20+00N/9+00W	0.70	20	100	<0.1	<2



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1980 SOIL CHEM

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DEKALB MINING CORPORATION
 GEOCHEMICAL ANALYSES

DATE JAN. 30/81
 PROJECT NO. 9147-1-2262

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LOCATION	WLDHRCU CU PPM	WLDHR PB PB PPM	ZN PPM	AG PPM
1+00S 0+50W	15	8	77	<0.1
1+00W	14	12	63	<0.1
1+50W	19	13	66	<0.1
2+00W	35	10	70	<0.1
2+50W	36	8	103	<0.1
3+00W	7	1	87	<0.1
3+50W	18	10	45	<0.1
4+00W	19	12	42	<0.1
4+50W	31	8	60	<0.1
5+00W	45	8	58	<0.1
5+50W	12	10	27	<0.1
6+00W	15	10	89	<0.1
6+50W	15	9	65	<0.1
7+00W	15	12	41	<0.1
7+50W	36	16	115	<0.1
8+00W	25	14	135	<0.1
8+50W	17	17	68	<0.1
9+00W	20	10	38	<0.1
9+50W	25	16	80	<0.1
10+00W	19	77	144	<0.1
BASELINE	45	8	78	<0.1
00+50E	50	6	73	<0.1
00+60 STREAM	260	21	124	<0.1
1+00E	40	7	90	<0.1
1+50E	138	9	112	<0.1
2+00E	36	12	73	<0.1
2+50E	48	15	121	<0.1
3+00E	28	17	88	<0.1
3+50E	60	26	113	<0.1
4+00E	23	15	55	<0.1
4+50E	47	21	135	<0.1
5+00E	209	27	123	<0.1
5+50E	44	62	223	<0.1
6+00E	32	25	156	<0.1
6+50E	70	43	140	<0.1
7+00E	31	23	144	<0.1
7+50E	318	33	152	<0.1
8+00E	41	58	200	<0.1
8+50E	81	43	141	<0.1
9+00E	43	59	200	<0.1



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 DEKALB MINING CORPORATION
 GEOCHEMICAL ANALYSES

DATE JANUARY 30, 1981

PROJECT NO. 9147-1-2262

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LOCATION	CU PPM	PB PPM	ZN PPM	AG PPM
1+00S 9+50E	63	4	135	<0.1
10+00E	132	36	130	<0.1
2+00S 00+50E STREAM	53	5	77	<0.1
00+70E	267	20	122	<0.1
1+00E	39	7	89	<0.1
1+50E	114	8	120	<0.1
2+00E	61	8	62	<0.1
2+00E(S)	46	12	83	<0.1
2+50E	35	14	105	<0.1
3+00E	30	17	93	<0.1
3+50E	48	23	110	<0.1
4+00E	24	17	58	<0.1
4+50E	51	24	143	<0.1
5+00E	235	30	138	<0.1
5+50E	44	55	217	<0.1
6+00E	38	26	172	<0.1
6+50E	73	39	144	<0.1
7+00E	250	30	143	<0.1
7+50E	36	23	153	<0.1
8+00E	35	7	98	<0.1
8+50E	286	7	82	<0.1
9+00E	87	45	146	<0.1
9+50E	147	36	137	<0.1
10+00E	60	7	101	<0.1
0+50W	19	7	95	<0.1
1+00W	15	10	70	<0.1
1+50W	23	13	77	<0.1
2+00W	27	7	53	<0.1
2+50W	37	8	101	<0.1
3+00W	18	3	125	<0.1
3+50W	20	10	42	<0.1
4+00W	19	11	40	<0.1
4+50W	37	7	65	<0.1
5+00W	57	8	69	<0.1
5+50W	13	10	27	<0.1
6+00W	18	13	90	<0.1
6+50W	15	8	65	<0.1
7+50W	43	20	131	<0.1
8+00W	26	13	133	<0.1
8+50W	18	15	63	<0.1

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DEKALB MINING CORPORATION
 GEOCHEMICAL ANALYSES

DATE JANUARY 30, 1981

PROJECT NO. 9147-1-2262

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LOCATION	CU PPM	PB PPM	ZN PPM	AG PPM
2+00S 9+00W	28	10	50	<0.1
9+50W	26	15	82	<0.1
10+00W	20	73	155	<0.1
3+00S 0+50W	130	9	94	<0.1
1+00W	50	<1	126	<0.1
1+50W	10	7	30	<0.1
2+00W	20	10	57	<0.1
2+50W	63	11	56	<0.1
3+00W	88	13	49	<0.1
3+50W	94	27	36	<0.1
4+00W	10	7	40	<0.1
4+50W	19	11	56	<0.1
5+00W	19	10	37	<0.1
5+50W	17	8	27	<0.1
6+00W	21	3	15	<0.1
6+50W	24	7	39	<0.1
7+00W	31	20	57	<0.1
7+50W	35	15	90	<0.1
7+90W	49	58	75	<0.1
8+00W	31	23	81	<0.1
8+50W	31	127	110	<0.1
9+00W	34	31	87	<0.1
9+50W	60	67	72	<0.1
10+00W	30	12	45	<0.1
3+00S BASE LINE	68	5	107	<0.1
00+50E	76	5	84	<0.1
1+00E	120	5	70	<0.1
1+50E	94	4	106	<0.1
2+00E	30	8	91	<0.1
2+50E	87	11	108	<0.1
3+00E	104	21	89	<0.1
3+50E	142	23	86	<0.1
4+00E	117	34	57	<0.1
4+50E	100	43	119	<0.1
5+00E	41	31	190	<0.1
5+50E	93	26	119	<0.1
6+00E	87	44	136	<0.1
6+50E(S)	172	40	114	<0.1
7+00E	74	32	106	<0.1
7+50E	99	49	122	<0.1
CHECK SY-3	16	122	82	<0.1

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 GEOCHEMICAL ANALYSES

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PROJECT NO. 9147-1-2262

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LOCATION	CU PPM	PB PPM	ZN PPM	AG PPM
3+00S 7+50E	100	54	126	<0.1
8+00E	14	18	304	<0.1
8+50E	165	66	236	<0.1
9+00E	263	42	121	<0.1
4+00S00+50E	118	9	81	<0.1
1+00E	45	5	95	<0.1
1+50E	81	3	36	<0.1
1+75E	68	6	50	<0.1
2+00E	54	7	67	<0.1
2+50E	67	7	51	<0.1
3+00E	104	18	56	<0.1
3+50E	145	32	48	<0.1
4+00E	116	25	81	<0.1
4+50E	32	20	46	<0.1
5+00E	99	42	92	<0.1
5+50E	92	33	73	<0.1
6+00E	73	45	101	<0.1
6+50E	71	20	122	<0.1
7+00E	49	29	92	<0.1
7+50E	82	34	126	<0.1
8+00E	60	35	100	<0.1
8+50E	40	31	115	<0.1
9+00E	130	80	112	<0.1
9+50E	138	54	99	<0.1
10+00E	422	96	230	<0.1
6+00S 1+00E	49	10	60	<0.1
1+50E	13	7	23	<0.1
2+00E	40	4	47	<0.1
2+50E	20	6	106	<0.1
3+00E	12	8	33	<0.1
3+50E	21	3	63	<0.1
4+00E	81	4	55	<0.1
4+50E	77	11	78	<0.1
4+53E	95	8	53	<0.1
5+00E	116	17	69	<0.1
5+50E	209	19	78	<0.1
6+00E	149	56	57	<0.1
6+50E	69	44	96	<0.1
7+00E	63	37	80	<0.1
7+50E	135	58	62	<0.1
CHECK 7+50E	128	57	62	<0.1

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 DEKALB MINING CORPORATION
 GEO-CHEMICAL ANALYSES

DATE JANUARY 30, 1981

PROJECT NO. 9147-1-2262

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LOCATION	CU PPM	PB PPM	ZN PPM	AG PPM
6+00S 8+00E	85	103	112	<0.1
7+00S BASELINE	46	20	59	<0.1
7+00S00+50E	21	37	46	<0.1
1+00E	9	7	23	<0.1
1+50E	23	9	80	<0.1
2+00E	8	15	19	<0.1
2+50E	98	8	73	<0.1
4+00S BASELINE	27	7	89	<0.1
0+50W	4	8	32	<0.1
1+00W	10	14	63	<0.1
1+50W	29	10	26	<0.1
2+00W	25	9	66	<0.1
2+50W	6	13	29	<0.1
3+00W	24	7	34	<0.1
3+50W	19	2	14	<0.1
4+00W	21	12	43	<0.1
4+50W	15	8	30	<0.1
4+80W	50	6	80	<0.1
5+00W	57	3	91	<0.1
5+50W	30	13	118	<0.1
6+00W	26	19	115	<0.1
6+50W	42	31	260	<0.1
7+00W	27	11	74	<0.1
7+50W	36	32	86	<0.1
8+00W	55	16	65	<0.1
8+50W	200	146	106	<0.1
9+00W	12	33	61	<0.1
9+50W	22	12	76	<0.1
10+00W	13	11	39	<0.1
3+00S111 10+00W	66	24	65	<0.1
9+50W	155	47	164	<0.1
9+00W	160	49	227	<0.1
8+50W	230	37	164	<0.1
8+00W	201	32	129	<0.1
7+00W	9	6	17	<0.1
6+50W	30	12	92	<0.1
6+00W	31	17	59	<0.1
5+50W	40	30	65	<0.1
5+00W	125	33	107	<0.1
4+50W	216	40	90	<0.1
CHECK SY -3	15	130	70	<0.1

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LOCATION	CU PPM	PB PPM	ZN PPM	AG PPM
3+00S111 4+00W	88	34	170	<0.1
3+50W	67	28	128	<0.1
3+00W	63	47	124	<0.1
2+50W	62	33	149	<0.1
2+00W	270	156	34	<0.1
1+50W	94	110	405	<0.1
1+00W	146	87	66	1.4
0+50W	85	25	144	1.6
BASELINE	100	46	210	<0.1
4+00S111 BASELINE	92	18	54	<0.1
0+50W	199	69	250	<0.1
1+00W	199	59	58	<0.1
1+50W	124	100	237	<0.1
2+00W	122	88	193	<0.1
2+50W	64	34	135	<0.1
3+00W	104	30	80	<0.1
3+50W	155	21	32	<0.1
4+00W	112	58	62	<0.1
4+50W	52	26	55	<0.1
5+00W	192	46	69	<0.1
5+50W	48	22	102	<0.1
6+00W	32	8	33	<0.1
6+50W	42	40	66	<0.1
7+00W	85	31	87	<0.1
7+50W	63	15	33	<0.1
8+00W	237	69	152	<0.1
8+50W	74	33	105	<0.1
9+00W	206	54	153	<0.1
9+50W	27	8	19	<0.1
5+00S 0+50E	97	10	56	<0.1
1+00E	29	<1	99	<0.1
1+50E	93	2	87	<0.1
2+00E	29	8	78	<0.1
2+50E	65	4	47	<0.1
3+00E	27	6	66	<0.1
3+50E	26	16	96	<0.1
4+00E	35	28	160	<0.1
4+40E(S)	106	23	55	<0.1
4+50E	228	22	84	<0.1
5+00E	52	22	120	<0.1
CHECK 5+00E	52	23	121	<0.1

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LOCATION	CU PPM	PB PPM	ZN PPM	AG PPM
5+00S 5+50E	115	24	98	<0.1
5+80E(S)	88	8	55	<0.1
6+00E	100	37	164	<0.1
6+50E	73	43	224	<0.1
7+00E	62	30	94	<0.1
7+50E	60	42	103	<0.1
8+00E	101	38	60	<0.1
8+50E	22	5	17	<0.1
9+00E	34	19	34	<0.1
9+50E	24 ²⁵⁰	48	122	<0.1
10+00E	32	40	114	<0.1
BASELINE	53	12	43	<0.1
0+50W	63	10	52	<0.1
1+00W	15	8	27	<0.1
1+50W	97	8	68	<0.1
2+00W	21	9	54	<0.1
2+50W	28	7	80	<0.1
3+00W	18	2	45	<0.1
3+50W	23	12	73	<0.1
4+00WA	43	20	100	<0.1
4+00WB	39	20	89	<0.1
4+50W	79	67	127	<0.1
5+00W	73	20	120	<0.1
5+50W	40	58	131	<0.1
6+00S BASELINE	61	10	62	<0.1
0+50W	76	6	73	<0.1
1+00S 1+00WA	33	11	60	<0.1
1+00WB	46	38	75	<0.1
1+50W	13	11	41	<0.1
2+00W	15	10	36	<0.1
2+50W	42	10	89	<0.1
3+00W	19	10	67	<0.1
3+50W	11	4	45	<0.1
4+00W	26	27	68	<0.1
7+00S 3+00E	59	5	57	<0.1
3+50E	10	9	39	<0.1
4+00E	77	14	63	<0.1
4+50E	55	4	35	<0.1
5+00E	50	13	34	<0.1
5+50E	71	12	69	<0.1
CHECK SY3	9	125	87	<0.1

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LOCATION	CU PPM	PB PPM	ZN PPM	AG PPM
7+00S 6+00E	69	12	69	<0.1
6+50E	259	66	74	<0.1
7+00E	148	35	53	<0.1
7+50E	145	31	54	<0.1
8+00E	64	30	141	<0.1
8+50E	64	28	140	<0.1
9+00E	78	43	104	<0.1
9+50E	172	63	60	<0.1
10+00E	97	36	94	<0.1
0+50W	68	5	61	<0.1
1+00W	19	15	59	<0.1
1+50W	30	29	38	<0.1
2+00W	19	4	26	<0.1
2+50W	19	6	34	<0.1
3+00W	18	5	40	<0.1
3+50W	7	15	31	<0.1
4+00W	27	29	72	<0.1
4+50W	19	5	31	<0.1
8+00S 0+50W	11	8	35	<0.1
1+00W	11	9	41	<0.1
1+50W	12	20	47	<0.1
2+00W	7	8	33	<0.1
2+50W	13	5	43	<0.1
3+00W	9	5	39	<0.1
3+50W	12	2	40	<0.1
4+00W	19	17	37	<0.1
4+50W	60	20	61	<0.1
5+00W	24	11	115	<0.1
5+50W	43	16	56	<0.1
6+00W	19	20	72	<0.1
6+50W	17	11	75	<0.1
7+50W	23	30	78	<0.1
8+00W	17	10	99	<0.1
8+50W	13	14	79	<0.1
9+00W	13	12	87	<0.1
9+50W	14	10	83	<0.1
10+00W	11	38	52	<0.1
BASELINE	33	3	28	<0.1
0+50E	33	13	28	<0.1
1+00E	25	12	32	<0.1
CHECK 1+00E	26	12	34	<0.1

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LOCATION	CU PPM	PB PPM	ZN PPM	AG PPM
8+00S 1+50E	29	10	48	<0.1
2+00E	22	23	45	<0.1
2+50E	60	8	66	<0.1
3+00E	24	8	34	<0.1
3+50E	55	6	55	<0.1
4+00E	20	6	46	<0.1
4+50E	19	12	39	<0.1
5+00E	25	10	42	<0.1
5+50E	23	10	40	<0.1
6+00E	81	10	64	<0.1
6+50E	23	18	38	<0.1
7+00E	10	14	33	<0.1
7+50E	77	10	25	<0.1
8+00E	56	12	49	<0.1
8+50EA	85	16	65	<0.1
8+50EB	65	21	32	<0.1
9+00E	47	10	39	<0.1
9+50E	87	38	82	<0.1
10+00E	158	24	66	<0.1
9+00S 0+50E	94	6	55	<0.1
1+00E	90	8	49	<0.1
2+00E	45	5	61	<0.1
1+50E	62	7	69	<0.1
2+50E	13	11	76	<0.1
3+00E	24	7	62	<0.1
3+50E	27	8	75	<0.1
4+00E	36	6	84	<0.1
4+50E	54	15	31	<0.1
5+00E	43	9	52	<0.1
5+50E	27	12	48	<0.1
6+00E	14	26	36	<0.1
6+50E	91	13	31	<0.1
7+00E	40	16	36	<0.1
7+50E	108	15	79	<0.1
8+00E	108	17	81	<0.1
8+50E	203	18	67	<0.1
9+00E	88	49	41	<0.1
9+50E	86	90	44	<0.1
10+00E	77	41	58	<0.1
BASELINE	53	14	69	<0.1
CHECK SY 3	18	121	85	<0.1

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LOCATION	CU PPM	PB PPM	ZN PPM	AG PPM
9+00S 0+50W	169	120	62	<0.1
1+00W	41	12	53	<0.1
1+50W	50	15	54	<0.1
2+00W	14	10	60	<0.1
2+50W	21	13	67	<0.1
3+00W	60	13	54	<0.1
3+50W	12	8	45	<0.1
4+00W	15	10	55	<0.1
4+50W	25	13	65	<0.1
5+00W	26	21	67	<0.1
5+50W	11	15	63	<0.1
6+00W	22	15	66	<0.1
6+50W	17	20	89	<0.1
7+00W	15	25	79	<0.1
7+50W	15	12	57	<0.1
8+00W	14	13	61	<0.1
8+50W	22	12	52	<0.1
9+00W	12	8	39	<0.1
9+50W	14	14	61	<0.1
10+00W	24	11	49	<0.1
10+00S 0+50E	53	11	53	<0.1
1+00E	68	12	68	<0.1
1+50E	63	8	57	<0.1
2+00E	57	10	69	<0.1
2+50E	63	10	68	<0.1
3+00E	14	11	103	<0.1
3+50E	12	19	51	<0.1
4+00E	33	14	60	<0.1
4+50E	22	15	55	<0.1
5+00E	29	13	59	<0.1
5+50E	27	14	43	<0.1
6+00E	54	15	67	<0.1
6+50E	16	16	47	<0.1
7+00E	117	12	39	<0.1
7+50E	36	10	49	<0.1
8+50E	60	20	56	<0.1
9+00EA	60	9	61	<0.1
9+00EB	24	15	62	<0.1
9+50E	72	10	40	<0.1
10+00E	86	28	74	<0.1
CHECK 10+00E	90	30	77	<0.1


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LOCATION	CU PPM	PB PPM	ZN PPM	AG PPM
10+00S BASELINE	21	11	65	<0.1
1+00W	99	19	64	<0.1
1+50W	32	55	70	<0.1
2+00W	15 #405	26	33	<0.1
2+50W	27	10	38	<0.1
3+00W	16	15	46	<0.1
3+50W	12	5	36	<0.1
4+00W	16	4	45	<0.1
4+50W	40	11	63	<0.1
5+50W	31	10	70	<0.1
5+50WB	15	25	65	<0.1
6+00W	15	11	68	<0.1
6+50W	22	14	51	<0.1
7+00W	16	11	37	<0.1
7+50W	28	11	38	<0.1
8+00W	14	11	37	<0.1
8+90W	35	10	38	<0.1
9+00W	47	6	35	<0.1
9+50W	43	9	40	<0.1
9+60W(S)	42	45	50	<0.1
10+00W	80	8	75	<0.1
11+00S 00+50W	70	107	83	<0.1
1+00W	50	105	80	<0.1
1+50W	73	44	34	<0.1
2+00W	39	34	55	<0.1
2+50W	18	11	43	<0.1
3+00W	12	7	42	<0.1
3+50W	10	10	40	<0.1
4+00W	15	16	43	<0.1
4+50W	31	16	74	<0.1
5+00W	16 #434	27	46	<0.1
5+50W	21	8	38	<0.1
6+00W	35	7	50	<0.1
6+50W	31	7	69	<0.1
7+00W	26	12	61	<0.1
7+50W	19	16	41	<0.1
8+00W	25	14	39	<0.1
8+50W	28	10	40	<0.1
9+00W	16	10	36	<0.1
9+50W	50	15	51	<0.1
CHECK SY3	20	122	83	<0.1



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LOCATION	CU PPM	PB PPM	ZN PPM	AG PPM
11-00S 10+00W	30	14	59	<0.1
BASELINE	68	38	49	<0.1
0+50	30	9	50	<0.1
1+00	29	8	58	<0.1
1+50	72	16	53	<0.1
2+00	36	8	55	<0.1
2+50	18	9	42	<0.1
3+00	30 [#] 450	9	48	<0.1
3+50	17	13	42	<0.1
4+00	23	21	45	<0.1
4+50	41	10	53	<0.1
5+00	29	13	53	<0.1
5+50	50	11	48	<0.1
6+00	18	16	49	<0.1
6+50	16	15	44	<0.1
7+00	16	41	58	<0.1
7+50	100	22	117	<0.1
8+00	70	31	31	<0.1
8+50	35	12	43	<0.1
9+00	26	13	41	<0.1
9+50	37	10	42	<0.1
10+00	26	15	44	<0.1
12+00S 0+50	14	6	27	<0.1
1+00	42	5	32	<0.1
1+50	34	3	15	<0.1
2+00	30	7	27	<0.1
2+50	38	3	23	<0.1
3+00	23	2	29	<0.1
3+50	16	8	44	<0.1
4+00	32	48	107	<0.1
4+50	16	26	103	<0.1
5+00	47	43	76	<0.1
5+50	23	42	77	<0.1
6+00	18	8	53	<0.1
6+50	19	11	71	<0.1
7+00	31	15	48	<0.1
7+50	29	10	39	<0.1
8+00	8	10	24	<0.1
8+50	25	18	19	<0.1
9+00	19	13	20	<0.1
CHECK 9+00	18	13	17	<0.1



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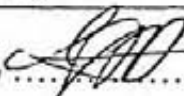
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LOCATION	CU PPM	PB PPM	ZN PPM	AG PPM
12+00S 9+50W	9	10	27	<0.1
9+60W(S)	29	13	33	<0.1
10+00W	8	10	35	<0.1
BASELINE	30	6	60	<0.1
0+50E	19	6	54	<0.1
1+00E	68	5	35	<0.1
1+50E	84	7	48	<0.1
2+00E	13	9	35	<0.1
2+50E	53	9	47	<0.1
3+00E	35	10	48	<0.1
3+50E	27	7	29	<0.1
4+00E	31	8	31	<0.1
4+50E	24	10	35	<0.1
5+00E	10	31	45	<0.1
5+50E	24	10	41	<0.1
6+00E	24	3	39	<0.1
6+50E	33 #500	8	29	<0.1
7+00E	33	7	42	<0.1
7+50E	10	8	19	<0.1
8+00E	33	10	36	<0.1
8+50E	15	9	42	<0.1
9+00E	130	12	51	<0.1
9+50E	118	12	45	<0.1
9+75E	66	10	35	<0.1
10+00E	74	12	52	<0.1
13+00S 0+50W	71	5	27	<0.1
1+00W	13	6	29	<0.1
1+50W	46	2	18	<0.1
2+00W	7	2	21	<0.1
2+50W	23	22	52	<0.1
3+00W	27	8	40	<0.1
3+50W	27	12	51	<0.1
4+00W	24	11	43	<0.1
4+50W	35	17	39	<0.1
5+00W	28	7	59	<0.1
5+50W	11	7	31	<0.1
6+00W	12	19	37	<0.1
6+50W	32	94	75	<0.1
7+00W	8	14	67	<0.1
7+50W	27	16	47	<0.1
CHECK 7+50W	29	18	50	<0.1


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LOCATION	CU PPM	PB PPM	ZN PPM	AG PPM
13+00S 8+00W	22	7	34	<0.1
8+50W	27	8	36	<0.1
9+00W	25	8	39	<0.1
9+50W	27	7	40	<0.1
10+00W	25	7	38	<0.1
BASELINE	27	9	40	<0.1
0+50E	20	12	45	<0.1
1+00E	304	26	69	<0.1
1+50E	72	12	68	<0.1
2+00E	19	14	39	<0.1
2+50E	28	13	38	<0.1
3+00E	16	12	30	<0.1
3+50E	26	16	27	<0.1
4+00E	39	15	35	<0.1
4+50E	37	12	33	<0.1
5+00E	15	15	38	<0.1
5+50E	32	13	42	<0.1
6+00E	39	10	38	<0.1
6+50E	50	13	57	<0.1
7+00E	114	30	128	<0.1
7+50E	34	14	42	<0.1
8+00E	129	13	43	<0.1
8+50E	29	10	40	<0.1
9+00E	70	19	62	<0.1
9+50E	61	19	37	<0.1
9+50E (S)	70	10	35	<0.1
10+00E	74	9	30	<0.1
14+00S 0+50W	27	15	28	<0.1
1+00W	14	7	18	<0.1
1+50W	17	7	20	<0.1
2+00W	19	15	28	<0.1
2+50W	26	10	35	<0.1
3+00W	13	8	37	<0.1
3+50W	13	10	70	<0.1
4+00W	14	7	36	<0.1
4+50W	44	14	40	<0.1
5+00W	32	33	62	<0.1
5+50W	28	32	48	<0.1
6+00W	20	19	49	<0.1
6+50W	54	10	60	<0.1
CHECK S-Y3	19	127	67	<0.1



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LOCATION	CU PPM	PB PPM	ZN PPM	AG PPM
14+00S 7+00W	14	36	43	<0.1
7+50W	33	7	61	<0.1
8+00W	15	10	37	<0.1
8+50W	14	7	30	<0.1
9+00W	26	17	53	<0.1
9+50W	18	19	60	<0.1
10+00W	16	17	60	<0.1
BASELINE	57	15	52	<0.1
0+50E	88	42	57	<0.1
1+00E	45	26	48	<0.1
1+50E	28	15	44	<0.1
2+00E	17	14	48	<0.1
2+50E	33	7	33	<0.1
3+00E	13	16	33	<0.1
3+50E	36	9	27	<0.1
4+00E	36	10	32	<0.1
4+50E	33	12	45	<0.1
5+00E	42	14	32	<0.1
5+50E	52	10	32	<0.1
6+00E	46	15	37	<0.1
6+50E	24	11	27	<0.1
7+00E	54	18	46	<0.1
7+50E	45	13	40	<0.1
8+00E	14	11	30	<0.1
8+50E	27	10	65	<0.1
9+00E	63	10	45	<0.1
9+00E(S)	64	11	33	<0.1
9+50E	43	12	79	<0.1
10+00E	39	12	58	<0.1
15+00S 0+50E	10	8	20	<0.1
1+00E	24	13	50	<0.1
1+50E	45	62	48	<0.1
2+00E	24	92	54	<0.1
2+50E	41	8	29	<0.1
3+00E	35	7	36	<0.1
3+50E	33	10	45	<0.1
4+00E	19	9	42	<0.1
4+50E	53	10	40	<0.1
5+00E	28	14	35	<0.1
5+50E	17	28	75	<0.1



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LOCATION		CU PPM	PB PPM	ZN PPM	AG PPM
15+00S	6+00E	50	15	36	<0.1
	6+50E	24	11	35	<0.1
	7+00E	19	10	42	<0.1
	7+50E	21	11	31	<0.1
	8+00E	18	18	78	<0.1
	8+50E	51	12	62	<0.1
	9+00EA	55	12	45	<0.1
	9+00EB	75	14	38	<0.1
	9+50E	58	12	46	<0.1
	10+00E	58	37	46	<0.1
BASELINE		35	5	32	<0.1
	0+50W	24	8	40	<0.1
	1+00W	38	11	54	<0.1
	1+50W	27	6	31	<0.1
	2+00W	23	7	26	<0.1
	2+50W	11	8	22	<0.1
	3+00W	21	5	20	<0.1
	3+50W	24	10	24	<0.1
	4+00W	23	5	30	<0.1
	4+50W	11	15	28	<0.1
	5+00W	15	14	32	<0.1
	5+50W	23	33	36	<0.1
	6+00W	23	15	37	<0.1
	6+50W	19	20	41	<0.1
	7+00W	20	12	40	<0.1
	7+50W	31	9	50	<0.1
	8+00W	45	14	41	<0.1
	8+50W	30	16	53	<0.1
	9+00W	32	13	54	<0.1
	9+50W	30	16	52	<0.1
	10+00W	32	10	54	<0.1
1+00N	0+50W	45	6	49	<0.1
	1+00W	36	6	42	<0.1
	1+50W	143	10	44	<0.1
BASELINE		56	4	84	<0.1
	0+50E	45	15	70	<0.1
	1+00E	43	12	80	<0.1
	1+50E	66	12	70	<0.1
	2+00E	68	24	118	<0.1
	2+50E	186	79	91	<0.1



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LOCATION	CU PPM	PB PPM	ZN PPM	AG PPM
1+00N 3+00E	55	23	72	<0.1
3+50E	86	23	76	<0.1
4+00E	41	13	75	<0.1
4+50E	58	24	89	<0.1
5+00E	23	30	190	<0.1
5+50E	29	30	131	<0.1
6+00E	24	30	190	<0.1
6+50E	33	23	243	<0.1
7+00E	59	26	170	<0.1
7+50E	49	30	208	<0.1
8+00E	37	16	150	<0.1
9+00E	27	16	90	<0.1
9+50E	39	8	54	<0.1
10+00E	13	13	139	<0.1
2+00N 0+50W	94	8	75	<0.1
1+00W	51	6	34	<0.1
1+50W	71	6	46	<0.1
BASELINE	150	4	94	<0.1
0+50E	300 [#] <i>60/</i>	27	80	<0.1
1+00E	74	13	94	<0.1
1+50E	60	11	85	<0.1
2+00E	87	12	102	<0.1
2+50EA	55	21	113	<0.1
2+50EB	24	15	15	<0.1
3+00E	89	30	81	<0.1
3+50E	139	21	93	<0.1
3+70E	118	18	79	<0.1
4+00E	1010	40	191	<0.1
4+50E	97	26	122	<0.1
5+00E	114	21	68	<0.1
3+00N 0+50W	213	7	70	<0.1
1+00W	63	6	70	<0.1
1+50W	287	3	88	<0.1
2+50W	138	21	48	<0.1
BASELINE	56	10	108	<0.1
7+50E	19	9	162	<0.1
7+00E	22	6	155	<0.1
6+50E	80	23	197	<0.1
6+00E	113	16	260	<0.1
5+50E	250	28	115	<0.1



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LOCATION	CU PPM	PB PPM	ZN PPM	AG PPM
3+00N 5+00E	31	43	76	<0.1
4+50E	100	57	163	<0.1
4+00E	87	110	137	<0.1
3+50E	70	66	65	<0.1
3+00E	239	106	159	<0.1
2+00E	56	46	144	<0.1
1+50E	31	24	57	<0.1
1+00E	165	28	82	<0.1
0+50E	68	8	90	<0.1
4+00N 0+50W	47	9	53	<0.1
1+00W	29	8	57	<0.1
1+50W	129	4	56	<0.1
2+00W	113	7	62	<0.1
2+50W	823	24	71	<0.1
3+00W	190	27	41	<0.1
3+50W	43	44	19	<0.1
4+00W	825	52	42	<0.1
4+50W	385	20	52	<0.1
5+50W	72	53	70	<0.1
6+00W	90	90	206	<0.1
6+50W	67	54	66	<0.1
7+00W	77	43	52	<0.1
7+43WR	35	5	64	<0.1
BASELINE	23	6	64	<0.1
0+50E	306	18	140	<0.1
1+00E	80	6	50	<0.1
1+50E	48	17	36	<0.1
2+00E	241	62	130	<0.1
2+50E	106	212	120	<0.1
3+00E	272	134	193	<0.1
3+50E	35	29	68	<0.1
4+00E	110	21	99	<0.1
4+50E	107	16	93	<0.1
5+00E	314	34	114	<0.1
5+50E	170	68	212	<0.1
6+00E	75	8	172	<0.1
6+50	18	40	140	<0.1
7+00E	39	137	168	<0.1
7+75E	29	30	104	<0.1
CHECK 7+75	31	29	112	<0.1
CHECK (STAND) SY-3	13	128	83	<0.1

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LOCATION	CU PPM	PB PPM	ZN PPM	AG PPM
5+00N 0+50W	141	8	46	<0.1
1+00W	117	20	59	<0.1
1+50W	60	6	45	<0.1
2+00W	117	11	49	<0.1
2+50WA	167	8	49	<0.1
2+50WB	75	12	58	<0.1
3+00W	150	9	47	<0.1
3+50W	8	12	11	<0.1
4+00W	207 ^{#731}	16	42	<0.1
4+50W	70	25	39	<0.1
5+00W	89	4	32	<0.1
5+50W	39	176	108	<0.1
6+00W	65	43	48	<0.1
7+00W	66	38	64	<0.1
7+50W	159	135	45	<0.1
8+00W	83	54	90	<0.1
8+50W	111	32	85	<0.1
9+00W	73	26	75	<0.1
9+50W	162	23	59	<0.1
10+00W	166	23	69	<0.1
BASELINE	117	8	63	<0.1
0+50E	27	2	84	<0.1
1+00E	12	3	33	<0.1
1+50E	63	8	104	<0.1
2+00E	29	61	100	<0.1
2+50E	102	11	121	<0.1
3+00E	42	10	51	<0.1
3+50E	241	14	341	<0.1
4+00E	15	9	68	<0.1
4+50E	16	12	71	<0.1
5+00E	28	14	40	<0.1
5+50E	90	11	165	<0.1
6+00E	12	7	91	<0.1
6+00N 0+50W	18	8	14	<0.1
1+00W	79	13	62	<0.1
1+50W	56	8	28	<0.1
2+00W	42	3	22	<0.1
2+50W	14	7	23	<0.1
3+00W	19	5	39	<0.1
3+50W	19	7	40	<0.1

CHECK

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LOCATION	CU PPM	PB PPM	ZN PPM	AG PPM
6+00N 4+00W	26	9	50	<0.1
4+50W	32	5	22	<0.1
5+00W	260	11	128	<0.1
5+50W	134	10	57	<0.1
6+00W	11	9	10	<0.1
6+50W	20	50	43	<0.1
7+00W	77	30	53	<0.1
7+50W	84	29	60	<0.1
8+00W	83	30	65	<0.1
8+50W	70	26	35	<0.1
9+00W	70	22	34	<0.1
9+50W	61	29	32	<0.1
10+00W	60	31	42	<0.1
BASELINE	55	10	89	<0.1
0+50E	30	11	48	<0.1
1+00E	85	11	166	<0.1
1+50E	130	14	207	<0.1
2+00E	10	24	24	<0.1
2+50E	27	15	64	<0.1
3+00E	52	26	100	<0.1
3+50E	44	32	115	<0.1
4+00E	108	25	44	<0.1
4+50E	114	36	83	<0.1
5+00E	31	22	26	<0.1
5+50E	46	80	106	<0.1
6+00E	27	34	150	<0.1
6+50E	23	40	188	<0.1
7+00E	16	26	134	<0.1
7+00N 0+50W	14	23	29	<0.1
1+00W	16	16	39	<0.1
1+50W	30	6	10	<0.1
2+00W	24	22	15	<0.1
2+50W	293	18	58	<0.1
3+00W	70	15	21	<0.1
3+50W	19	9	26	<0.1
4+00W	6	11	15	<0.1
4+50W	18	16	28	<0.1
5+00W	21	12	40	<0.1
5+25W	194	94	107	<0.1
5+50W	22	9	27	<0.1
CHECK 5+50W	22	9	27	<0.1

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LOCATION	CU PPM	PB PPM	ZN PPM	AG PPM
7+00N 6+00W	33	10	60	<0.1
6+50W	15	10	30	<0.1
7+00W	56	59	89	<0.1
8+00W	65	36	37	<0.1
8+50W	62	20	32	<0.1
9+00W	66	29	35	<0.1
9+50W	25	23	33	<0.1
10+00W	27	33	42	0.9
BASLINE	17	10	89	<0.1
0+50E	63	15	76	<0.1
1+00E	59	15	71	<0.1
1+50E	59	10	14	<0.1
2+00E	55* <i>815</i>	8	12	<0.1
2+50E	126	17	60	<0.1
3+00E	184	18	74	<0.1
3+50E	47	24	91	<0.1
4+00E	4	8	72	<0.1
4+50E	18	20	97	<0.1
5+00E	24	25	197	<0.1
5+50E	23	24	186	<0.1
6+00E	25	48	216	<0.1
6+50E	58	32	118	<0.1
7+00E FINISH LINE	26	16	60	<0.1
8+00N 0+50W	349	14	104	<0.1
1+00W	28	8	20	<0.1
1+50W	112	17	61	<0.1
2+00W	93	16	57	<0.1
2+50E	21	15	14	<0.1
3+00W	63	8	44	<0.1
3+50W	91	8	28	<0.1
4+00W	75	44	45	<0.1
4+50W	19	6	38	<0.1
5+00W	17	8	53	<0.1
5+50W	160	43	85	<0.1
6+00W	14	12	33	<0.1
6+50W	10	7	25	<0.1
7+00W	11	9	68	<0.1
7+50W	24	73	55	<0.1
7+85W	14	6	23	<0.1
8+00W	61	33	54	<0.1
CHECK 8+00W	61	34	54	<0.1



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LOCATION	CU PPM	PB PPM	ZN PPM	AG PPM
8+00N 8+50W	32	77	43	<0.1
9+00W	50	30	70	<0.1
9+50W	11	18	38	<0.1
BASELINE	409	9	97	<0.1
0+50E	15	7	77	<0.1
1+00E	28	16	43	<0.1
1+50E	119	15	59	<0.1
2+00E	25	23	66	<0.1
2+50E	52	6	24	<0.1
3+00E	74	24	104	<0.1
3+50E	24	5	14	<0.1
4+00E	11	4	14	<0.1
4+50E	12	4	10	<0.1
5+00E	20	35	83	<0.1
5+50E	48	50	116	<0.1
6+00E	39	148	169	<0.1
6+50E	9	25	70	<0.1
7+00E	13	17	118	<0.1
8+00E	14	12	352	<0.1
8+50E	21	54	190	<0.1
9+00E	3	5	116	<0.1
9+50E	12	39	94	<0.1
10+00E	30	96	67	<0.1
9+00N 0+50W	646	13	218	<0.1
1+00W	682	11	283	<0.1
1+50W	52	10	38	<0.1
2+00W	40	10	28	<0.1
2+50W	31	13	19	<0.1
3+00W	24	12	21	<0.1
3+50W	20	12	29	<0.1
4+00W	108	10	40	<0.1
4+50W	97	12	38	<0.1
5+00W	100	34	58	<0.1
5+50W	31	13	64	<0.1
6+00W	25	10	36	<0.1
6+50W	27	12	45	<0.1
7+00W	14	9	10	<0.1
7+50W	10	10	17	<0.1
8+00W	11	9	65	<0.1
8+50W	15	20	68	<0.1
CHECK 8+50W	16	21	64	<0.1



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LOCATION	CU PPM	PB PPM	ZN PPM	AG PPM
9+00N 9+00W	31	17	24	<0.1
9+50W	31	16	23	<0.1
10+00W	24	18	33	<0.1
BASELINE	39	7	34	<0.1
0+50E	117	8	64	<0.1
1+00E	110	8	53	<0.1
1+50E	116	20	80	<0.1
2+00E	260	20	96	<0.1
2+50E	24	17	31	<0.1
3+00E	44	20	98	<0.1
3+45E STREAM	105	25	96	<0.1
3+50E	60	15	84	<0.1
4+00E	80	16	60	<0.1
4+50E	37 <i>896</i>	16	81	<0.1
5+00E	27	32	81	<0.1
5+50E	112	92	92	<0.1
6+00E	79	186	184	<0.1
6+50E	87 <i>900</i>	36	150	0.5
7+00E	4	8	15	<0.1
7+50E	73	22	127	<0.1
8+00E	25	16	100	<0.1
8+50E	26	104	162	<0.1
9+00E	29	27	198	<0.1
9+50E	13	20	180	<0.1
10+00E	11	51	161	<0.1
10+00N 0+50W	627	9	70	<0.1
1+00W	1557	14	107	<0.1
1+50W	48	7	29	<0.1
2+00W	23	8	31	<0.1
2+50W	21	6	38	<0.1
3+00W	18	5	37	<0.1
3+50W	31	7	52	<0.1
4+00W	105	33	53	<0.1
4+50W	44	13	27	<0.1
5+00W	19	10	41	<0.1
5+50W	50	13	27	<0.1
6+00W	9	10	26	<0.1
6+50W	10	7	38	<0.1
7+00W	6	19	19	<0.1
7+50W	9	8	44	<0.1
CHECK 7+50W	9	9	47	<0.1

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LOCATION	CU PPM	PB PPM	ZN PPM	AG PPM
10+00N 8+00W	9	17	47	<0.1
8+50W	2	10	51	<0.1
9+00W	17	18	70	<0.1
9+50W	31	16	39	<0.1
10+00W	11	20	37	<0.1
BASELINE	34	15	38	<0.1
0+50E	21	13	32	<0.1
1+00E	6	9	23	<0.1
1+50E	66	12	56	<0.1
2+00E	105	17	173	<0.1
2+50E	91	34	65	<0.1
3+00E	52	33	121	<0.1
3+50E	71	16	46	<0.1
4+00E	31	12	24	<0.1
4+50E	25	9	37	<0.1
5+00E	73	15	20	<0.1
5+50E	38	35	89	<0.1
6+00EA	32	42	74	<0.1
6+00EB	32	14	40	<0.1
6+50E	57	15	99	<0.1
7+00E	93	45	120	<0.1
7+50E	95	24	127	<0.1
8+00E	46	35	159	<0.1
8+50E	108	29	128	<0.1
9+00E	66	57	196	<0.1
9+50E	43	55	196	<0.1
10+00E	15	35	112	<0.1
11+00N 0+50W	14	15	34	<0.1
1+00W	15	8	34	<0.1
1+50W	1087	13	100	<0.1
2+00W	99	20	41	<0.1
2+50W	14	9	25	<0.1
3+00W	9	12	22	<0.1
3+50W	156	17	54	<0.1
4+00W	23	8	42	<0.1
4+50W	16	10	40	<0.1
5+00W	1	8	12	<0.1
5+50W	8	6	17	<0.1
6+00W	14	7	33	<0.1
6+50W	14	11	55	<0.1
CHECK 6+50W	14	11	54	<0.1

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LOCATION	CU PPM	PB PPM	AN PPM	AG PPM
11+00N 7+00W	123	27	44	<0.1
7+50W	103	18	75	<0.1
8+00W	53	17	87	<0.1
8+50W	5	9	25	<0.1
9+00W	53	16	60	<0.1
9+50W	69	20	53	<0.1
10+00W	60	25	74	<0.1
BASELINE	32	8	40	<0.1
0+50E	40	8	33	<0.1
1+00E	400	11	157	<0.1
1+50E	20	9	50	<0.1
2+00E	377	18	143	<0.1
2+50E	396	33	99	<0.1
3+00E	82	26	106	<0.1
3+50E	36	13	47	<0.1
4+00E	35	15	80	<0.1
4+50E	25	12	67	<0.1
5+00E	103 ^{# 780}	45	92	<0.1
5+50E	120	99	86	<0.1
6+00E	53	48	71	<0.1
6+50E	27	16	27	<0.1
7+00E	55	25	59	<0.1
7+50E	28	29	79	<0.1
8+00E	67	19	75	<0.1
8+50E	87	25	90	<0.1
9+00E	106	25	90	<0.1
9+50E	44	44	130	<0.1
10+00E	109	20	105	<0.1
12+00N 1+00W	50	10	40	<0.1
0+50W	60	10	48	<0.1
1+50W	2	3	9	<0.1
2+00W	25	6	57	<0.1
2+50W	20	10	38	<0.1
3+00W	25	17	57	<0.1
3+50W	33	9	29	<0.1
4+00W	19	12	25	<0.1
4+50W	8	5	24	<0.1
5+00W	28	14	27	<0.1
BASELINE	30	10	15	<0.1
0+50E	19	7	30	<0.1
CHECK 0+50E	20	7	32	<0.1

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LOCATION	CU PPM	PB PPM	ZN PPM	AG PPM
12+00N 1+00E	14	6	32	<0.1
1+50E	36	7	50	<0.1
2+00E	25	4	41	<0.1
2+50E	100	13	55	<0.1
3+00E	52	5	9	<0.1
3+10E	124	28	109	<0.1
3+50E	93	17	58	<0.1
4+00E	120	37	103	<0.1
4+50E	54	22	47	<0.1
5+00E	35	10	67	<0.1
5+50E RED INK	19	19	74	<0.1
5+50E BLACK INK	15	8	46	<0.1
6+00E RED INK	59	20	62	<0.1
6+00E BLACK INK	5	4	10	<0.1
6+50E RED INK	30	24	110	<0.1
6+50E BLACK INK	4	10	10	<0.1
7+00E RED INK	47	32	76	<0.1
7+00E BLACK INK	9	17	37	<0.1
7+50E RED INK	125	33	77	<0.1
7+50E BLACK INK	7	12	30	<0.1
8+00E RED INK	48	29	131	<0.1
8+00E BLACK INK	6	13	36	<0.1
8+50E RED INK	39	32	40	<0.1
8+50E BLACK INK	10	13	77	<0.1
9+00E RED INK	39	13	80	<0.1
9+00E BLACK INK	126	21	45	<0.1
9+50E RED INK	105	40	126	<0.1
9+50E BLACK INK	21	14	40	<0.1
10+00E RED INK	55	24	71	<0.1
10+00E BLACK INK	56	15	38	<0.1
13+00N 0+50W	17	8	20	<0.1
1+00W	16	4	18	<0.1
1+50W	22	14	33	<0.1
2+00W	13	12	28	<0.1
2+50W	14	33	42	<0.1
3+00W	28	24	51	<0.1
3+50W	19	17	40	<0.1
4+00W	21	10	67	<0.1
4+50W	21	11	51	<0.1
5+00W	17	16	57	<0.1
CHECK 5+00W	17	16	57	<0.1



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LOCATION	CU PPM	PB PPM	ZN PPM	AG PPM
13+00N 5+50W	63	23	68	1.1
6+00W	8	9	36	<0.1
6+50W	19	22	59	<0.1
7+00W	14	12	61	<0.1
7+50W	7	4	101	<0.1
8+00W	16	113	86	<0.1
8+50W	11	10	16	<0.1
9+00W	34 #/oso	30	91	<0.1
9+50W	13	72	72	<0.1
10+00W	24	12	79	<0.1
BASELINE	76	9	76	<0.1
0+50E	37	17	91	<0.1
1+00E	10	10	47	<0.1
1+50E	15	10	50	<0.1
2+00E	35	6	38	<0.1
2+50E	24	9	54	<0.1
3+00E	27	11	38	<0.1
3+50E	40	17	50	<0.1
3+60E	124	30	121	<0.1
4+00E	72	10	16	<0.1
4+50E	71	45	64	<0.1
5+00E	116 # 1064	56	41	<0.1
5+50E	51	78	172	<0.1
6+00E	66	53	115	<0.1
6+50E	24	67	94	<0.1
7+00E	49	55	106	<0.1
7+50E	26	50	245	<0.1
8+00E	39	23	132	<0.1
8+50E	21	16	102	<0.1
9+00E	32	32	160	<0.1
9+50E	33	33	156	<0.1
10+00E	11	10	70	<0.1
14+00N 0+50W	24	25	63	<0.1
1+50W	28	10	50	<0.1
1+00W	24	19	45	<0.1
2+00W	13	19	20	<0.1
2+50W	31	14	19	<0.1
3+00W	25	24	37	<0.1
3+50W	12	12	33	<0.1
4+00W	3	9	10	<0.1
CHECK 4+00W	4	9	13	<0.1



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LOCATION	CU PPM	PB PPM	ZN PPM	AG PPM
14-00N 4+50W	7	8	26	<0.1
5+00W	24	12	68	<0.1
5+50W	55	20	115	<0.1
6+00W	7	7	30	<0.1
6+50W	8	10	33	<0.1
7+00W	38	14	61	<0.1
7+50W	9	16	56	<0.1
8+00W	16	10	25	<0.1
8+50W	10	6	42	<0.1
9+00W	16	10	43	<0.1
9+50W	7	8	19	<0.1
10+00W	109	14	60	<0.1
JASELINE	11	9	19	<0.1
0+50E	38	13	39	<0.1
1+00E	35	15	37	<0.1
1+50E	17	8	48	<0.1
2+00E	16	6	46	<0.1
2+50E	28 *No	11	35	<0.1
3+00E	26	9	37	<0.1
3+50E	28	5	48	<0.1
4+00E	32	6	36	<0.1
4+50E	212	30	68	<0.1
5+00E	227	31	71	<0.1
5+50E	232	32	70	<0.1
6+00E	53	82	104	<0.1
6+50E	56	84	77	<0.1
7+00E	46	19	101	<0.1
7+50E	45	34	120	<0.1
8+00E	38	18	89	<0.1
8+50E	32	17	69	<0.1
9+00E	30	14	62	<0.1
9+50E	29	15	63	<0.1
10+00E	25	12	57	<0.1
15+00N 0+50W	7	2	13	<0.1
1+00W	14	7	28	<0.1
1+50W	20	12	33	<0.1
2+00W	27	8	29	<0.1
2+50W	31	12	38	<0.1
3+00W	20	16	46	<0.1
3+50W	13	6	43	<0.1
CHECK 3+50W	12	7	40	<0.1

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LOCATION	CU PPM	PB PPM	ZN PPM	AG PPM
15+00N 4+00W	8	10	47	<0.1
4+50W	10	10	37	<0.1
5+00W	12	10	63	<0.1
5+50W	6	12	23	<0.1
6+00W	15	12	50	<0.1
6+50W	10	7	18	<0.1
7+00W	10	13	25	<0.1
7+50W	25	11	62	<0.1
8+00W	11	8	20	<0.1
8+50W	10	10	33	<0.1
9+00W	25	10	40	<0.1
9+50W	11	12	33	<0.1
10+00W	19	15	44	<0.1
BASELINE	18	8	33	<0.1
0+50E	16	7	27	<0.1
1+00E	19	8	40	<0.1
1+50E	15	8	27	<0.1
2+00E	17	10	22	<0.1
2+50E	30	7	38	<0.1
3+00E	25	11	37	<0.1
3+50E	25	11	46	<0.1
4+00E	35	12	35	<0.1
4+50E	50	14	59	<0.1
5+00E	17	22	47	<0.1
5+50E	16	22	47	<0.1
6+00E	86	62	59	<0.1
6+50E	89	72	88	<0.1
7+00E	6	5	13	<0.1
7+50E	11 ^{*HSI}	15	20	<0.1
16+00N BASELINE APRIL	20	9	60	<0.1
0+50E	28	9	31	<0.1
1+00E	25	8	32	<0.1
1+50E	16	9	51	<0.1
2+00E	14	3	24	<0.1
2+50E	18	7	22	<0.1
3+00E	19	6	45	<0.1
3+50E	9	5	25	<0.1
4+00E	22	10	46	<0.1
4+50E	22	11	34	<0.1
5+00E	20	17	58	<0.1
5+50E	53	50	120	<0.1
CHECK 5+50E	50	47	111	<0.1

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LOCATION	CU PPM	PB PPM	ZN PPM	AG PPM
16+00N 6+00E	50	58	139	<0.1
6+50E	19	43	80	<0.1
7+00E	20	42	94	<0.1
7+50E	13	21	29	<0.1
17+00N-BASELINE	3	4	11	<0.1
0+50E	11	6	61	<0.1
1+00E	5	5	43	<0.1
2+00E	19	8	7	<0.1
2+50E	24	16	24	<0.1
3+00E	20	7	43	<0.1
3+50E	10	10	13	<0.1
4+00E	19	8	28	<0.1
4+50E	6	4	27	<0.1
4+75E STREAM	37	21	44	<0.1
5+00E	4	9	8	<0.1
5+50E	67	24	99	<0.1
5+55E STREAM	62	20	58	<0.1
6+00E	152	52	146	<0.1
6+50E	70	49	233	<0.1
7+00E	71	25	31	<0.1
7+50E	18	58	72	<0.1
8+00E	20	31	36	<0.1
0+00N11 BASELINE	98	25	66	<0.1
0+50W	88	35	95	<0.1
1+50W	99	23	73	<0.1
1+50W	63	24	75	<0.1
2+00W	55	20	84	<0.1
2+50W	31	17	74	<0.1
3+00W	116	20	53	<0.1
3+50W	650	17	111	<0.1
4+00W	90	39	155	<0.1
4+50W	45	33	86	<0.1
5+00W	49	37	83	<0.1
5+50W	130	31	59	<0.1
6+00W	64	28	95	<0.1
6+50W	73	28	175	<0.1
7+00W	69 ⁺¹⁰⁰	21	93	<0.1
7+50W	38	21	112	<0.1
8+00W	46	29	107	<0.1
8+50W	125	22	120	<0.1
CHECK 8+50W	120	20	114	<0.1

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LOCATION	CU PPM	PB PPM	ZN PPM	AG PPM
0+00N11 9+00W	233	36	166	<0.1
9+50W	148	24	127	<0.1
10+00W	51	3	13	<0.1
10+50W	15	10	80	<0.1
11+00W	170	13	233	<0.1
11+50W	490	23	192	<0.1
12+00W	348	27	153	<0.1
12+50W	119	36	126	<0.1
13+00W	173	24	108	<0.1
13+50W	158	30	100	<0.1
1+00N11 BASELINE	75	15	84	<0.1
0+50W	116	21	51	<0.1
1+00W	84	17	53	<0.1
1+50W	120	9	55	<0.1
2+00W	407	64	93	<0.1
2+50W	63	16	118	<0.1
3+00W	112	36	103	<0.1
3+50W	125	13	77	<0.1
4+00W	43	30	144	<0.1
4+50W	56	38	114	<0.1
5+00W	55	36	64	<0.1
5+50W	163	40	111	<0.1
6+00W	177	21	71	<0.1
6+50W	172	40	107	<0.1
7+00W	63	29	122	<0.1
7+50W	206	19	83	<0.1
8+00W	82	35	140	<0.1
8+50W	21 ^{#1231}	22	107	<0.1
9+00W	181	31	118	<0.1
9+50W	93	39	134	<0.1
10+00W	113	64	223	<0.1
10+50W →	2300	4	27	<0.1
11+00W	82	32	156	<0.1
11+50W	77	15	81	<0.1
12+00W	538	20	136	<0.1
12+50W	646	31	172	<0.1
13+00W	189	28	233	<0.1
13+50W	115	17	140	<0.1
2+00N11 BASELINE	116	18	141	<0.1
0+50W	79	24	69	<0.1
0+50W	78	20	68	<0.1



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LOCATION	CU PPM	PB PPM	ZN PPM	AG PPM
2+00N11 1+00W	23	13	63	<0.1
1+50W	93	36	66	<0.1
2+00W	29	38	163	<0.1
2+50W	27	27	96	<0.1
3+00W	46	19	54	<0.1
3+50W	73	42	60	<0.1
4+00W	61	17	98	<0.1
4+50W	25	33	81	<0.1
5+00W	47	72	82	<0.1
5+50W	37	36	86	<0.1
6+00W	53	54	94	<0.1
6+50W	105	29	110	<0.1
7+00W	204	36	107	<0.1
7+50W	186	14	71	<0.1
8+00W	97	44	171	<0.1
8+50W	105	35	202	<0.1
9+00W	46	17	133	<0.1
9+50W	70	30	88	<0.1
10+00W	84	43	167	<0.1
10+50W	240	12	159	<0.1
11+00W	215	27	135	<0.1
11+50W	94	35	219	<0.1
12+00W	142	23	151	<0.1
12+50W	99	32	207	<0.1
13+00W	65	25	246	<0.1
3+00N11 BASELINE	64	41	94	<0.1
0+50W	24	22	136	<0.1
1+00W	56	18	114	<0.1
1+50W	33	23	102	<0.1
2+00W	85	33	64	<0.1
2+50W	60	46	62	<0.1
3+00W	137	20	65	<0.1
3+50W	116	14	71	<0.1
4+00W	81	39	105	<0.1
4+50W	245	78	140	<0.1
5+00W	105	77	129	<0.1
5+50W	88	26	72	<0.1
6+00W	27	42	62	<0.1
6+50W	47	29	74	<0.1
7+00W	134	10	66	<0.1
7+00W	132	11	63	<0.1



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LOCATION	CU PPM	PB PPM	ZN PPM	AG PPM
3+00N11 7+50W	303	14	66	<0.1
8+00W	253	46	126	<0.1
8+50W	108	42	158	<0.1
9+00W	414	12	271	<0.1
9+50W	90	35	129	<0.1
10+00W	53	7	31	<0.1
10+50W	18	8	135	<0.1
11+00W	30	14	126	<0.1
11+50W	35	27	100	<0.1
12+00W	77	23	123	<0.1
12+50W	48	25	145	<0.1
13+00W	49	21	144	<0.1
13+50W	22	13	120	<0.1
14+00W	110	20	86	<0.1
14+50W	14	18	127	<0.1
15+00W	23	9	107	<0.1
15+50W	11	6	89	<0.1
4+00N11 BASELINE	19	37	105	<0.1
0+50W	36	22	86	<0.1
1+00W	21	30	84	<0.1
1+50W	42	22	74	<0.1
2+00W	26	66	71	<0.1
2+50W	195	93	123	<0.1
3+00W	38 #130g	19	74	<0.1
3+50W	28	26	80	<0.1
4+00W	32	24	83	<0.1
4+50W	14	17	50	<0.1
5+00W	135	15	57	<0.1
5+50W	154	13	56	<0.1
6+00W	132	41	21	<0.1
6+50W	71	56	32	<0.1
7+00W	194	31	48	<0.1
7+50W	130	20	35	<0.1
8+00W	507	23	65	<0.1
8+50W	389	44	104	<0.1
9+00W	32	10	56	<0.1
9+50W	162	18	156	<0.1
10+00W	400	29	124	<0.1
10+50W	76	25	130	<0.1
11+00W	223	25	131	<0.1
11+00W	220	26	136	<0.1



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DEKALB MINING CORPORATION
 GEOCHEMICAL ANALYSES

DATE JANUARY 30, 1981

PROJECT NO. 9147-1-2262

34 OF 40

LOCATION	CU PPM	PB PPM	ZN PPM	AG PPM
5+00N11 BASELINE	26	23	90	<0.1
0+50W	49	27	106	<0.1
1+00W	126	48	104	<0.1
1+50W	244	100	100	<0.1
2+00W	37	26	57	<0.1
2+50W	19	15	103	<0.1
3+00W	16	15	91	<0.1
3+50W	61	33	44	<0.1
4+00W	75	20	32	<0.1
4+50W	62	22	26	<0.1
5+00W	16	29	23	<0.1
5+50W	69	62	46	<0.1
6+00W	86	42	84	<0.1
6+50W	11	24	20	<0.1
7+00W	85	71	168	<0.1
7+50W	74	31	137	<0.1
8+00W	177	11	95	<0.1
8+50W	38	9	108	<0.1
9+00W	10	7	86	<0.1
9+50W	12	16	182	<0.1
10+50W	59	21	66	<0.1
11+00W	62	23	61	<0.1
6+00N11 BASELINE	139	28	61	<0.1
0+50W	55	34	12	<0.1
1+00W	49	44	130	0.6
1+50W	48	104	94	0.7
2+00W	8	21	71	<0.1
2+50W	46	18	76	<0.1
3+00W	61	34	81	<0.1
3+50W	269	17	70	<0.1
4+00W	210	73	172	<0.1
4+50W	170	18	53	<0.1
5+00W	56	91	111	<0.1
5+50W	76	48	122	<0.1
6+00W	149	149	103	<0.1
6+50W	2	22	14	<0.1
7+00W	72	26	112	<0.1
7+50W	64	33	155	<0.1
8+00W	173	42	119	<0.1
8+50W	126	16	173	<0.1
8+50W	116	17	161	<0.1



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 TELEPHONE (403) 465-9877 TELEX 037-41596

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 GEOCHEMICAL ANALYSES

DATE JANUARY 30, 1981

PROJECT NO. 9147-1-2262

35 OF 40

LOCATION	CU PPM	PB PPM	ZN PPM	AG PPM
6+00N11 9+00W	96	15	154	<0.1
9+50W	117	17	112	<0.1
10+00W	197	76	168	<0.1
10+50W	132	20	151	<0.1
11+00W	190	14	123	<0.1
7+00N11 BASELINE	129	17	105	<0.1
0+50W	212	13	56	<0.1
1+00W	257	32	70	<0.1
1+50W	45	35	166	<0.1
2+00W	46	33	69	<0.1
2+50W	75	18	107	<0.1
3+00W	95	15	78	<0.1
3+50W	124	10	68	<0.1
4+00W	71	11	53	<0.1
4+50W	120	11	54	<0.1
5+00W	63	8	52	<0.1
5+50W	378	8	78	<0.1
6+00W	398	17	128	<0.1
6+50W	318	26	168	<0.1
7+00W	167 #1383	44	141	<0.1
7+50W	93	24	198	<0.1
8+00W	124	54	192	<0.1
8+50W	24	31	190	<0.1
9+00W	127	18	128	<0.1
9+50W	177	26	164	<0.1
8+00N11 BASELINE 11	160	14	85	<0.1
0+50W	219	19	68	<0.1
1+00W	57	12	53	<0.1
1+50W	143	14	118	<0.1
2+00W	89	14	65	<0.1
2+50W	45	10	54	<0.1
3+00W	120	10	49	<0.1
3+50W	201	14	66	<0.1
4+00W	244	8	42	<0.1
4+50W	67	7	26	<0.1
5+00W	98	9	24	<0.1
5+50W	128	27	176	<0.1
6+00W	88	24	126	<0.1
6+50W	124	22	153	<0.1
7+00W	72	33	110	<0.1
7+00W	70	22	122	<0.1



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DATE JANUARY 30, 1981

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36 OF 40

LOCATION	CU PPM	PB PPM	ZN PPM	AG PPM
8+00N11 7+50W	105	18	126	<0.1
8+00W	45	26	155	<0.1
8+50W	33	47	181	<0.1
9+00W	12	34	86	<0.1
9+50W	1	21	18	<0.1
9+00N11 BASELINE	3	15	24	<0.1
0+50W	116	22	86	<0.1
1+00W	161	19	76	<0.1
1+50W	38	7	73	<0.1
2+00W	101	14	58	<0.1
2+50W	55	13	60	<0.1
3+00W	56	6	55	<0.1
3+50W	100	17	117	<0.1
4+00W	105	9	32	<0.1
4+50W	106	21	108	<0.1
5+00W	311	17	61	<0.1
5+50W	41	23	150	<0.1
6+00W	150	38	130	<0.1
6+50W	20	19	101	<0.1
7+00W	17	18	123	<0.1
7+50W	13	11	70	<0.1
8+00W	25	13	93	<0.1
8+50W	35	25	170	<0.1
9+00W	47	58	168	<0.1
9+50W	80	108	185	<0.1
10+00N11 BASELINE	50	13	81	<0.1
0+50W	122	25	48	<0.1
1+00W	180	22	68	<0.1
1+50W	186	34	58	<0.1
2+00W	75	15	101	<0.1
3+00W	75	13	73	<0.1
3+50W	116	24	87	<0.1
4+00W	82	20	78	<0.1
4+50W	166	26	133	<0.1
5+00W	37	15	91	<0.1
5+50W	62	12	91	<0.1
6+00W	38	17	79	<0.1
6+50W	129	32	104	<0.1
7+00W	77	31	132	<0.1
7+50W	122	19	136	<0.1
7+50W	119	17	129	<0.1

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PROJECT NO. 9147-1-2262

37 OF 40

LOCATION	CU PPM	PB PPM	ZN PPM	AG PPM
10+00N11 8+00W	68	22	108	<0.1
8+50W	66	14	109	<0.1
9+00W	47	11	145	<0.1
9+50W	108	123	272	<0.1
10+00W	73	36	132	<0.1
10+50W	37	29	165	<0.1
11+00W	8	8	18	<0.1
11+50W	3	2	18	<0.1
12+00W	22	30	98	<0.1
12+50W	82	13	89	<0.1
11+00N11 BASELINE	217	24	59	<0.1
0+50W	165	28	72	<0.1
1+00W	150	22	70	<0.1
1+50W	56	24	118	<0.1
2+00W	53	24	100	<0.1
2+50W	162	27	79	<0.1
3+00W	240 #1459	26	64	<0.1
3+50W	80	24	81	<0.1
4+00W	69	23	86	<0.1
4+50W	135	26	74	<0.1
5+00W	146	24	92	<0.1
5+50W	48	23	110	<0.1
6+00W	109	19	68	<0.1
6+50W	88	19	83	<0.1
7+00W	102	26	113	<0.1
7+50W	67	16	93	<0.1
8+00W	116	23	402	<0.1
8+50W	65	20	156	<0.1
9+00W	101	30	46	<0.1
9+50W	253	10	84	<0.1
10+00W	88	17	119	<0.1
10+50W	55	27	149	<0.1
11+00W	16	21	125	<0.1
11+50W	14	6	37	<0.1
12+00W	24	26	115	<0.1
12+50W	13	10	92	<0.1
12+00N11 BASELINE	219	31	107	<0.1
0+50W	130	25	37	<0.1
1+00W	135	30	69	<0.1
1+50W	68	19	73	<0.1
1+50W	68	19	76	<0.1



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LOCATION	CU PPM	PB PPM	ZN PPM	AG PPM.
12+00N11 2+00W	134	16	41	<0.1
2+50W	168	17	65	<0.1
3+00W	208	23	74	<0.1
3+50W	142	36	94	<0.1
4+00W	129	23	108	<0.1
4+50W	113	29	69	<0.1
5+00W	85	27	103	<0.1
5+50W	95	30	78	<0.1
6+00W	163	25	80	<0.1
6+50W	126	33	87	<0.1
7+00W	119	30	103	<0.1
7+50W	139	39	124	<0.1
8+00W	96	26	150	<0.1
8+50W	66	28	132	<0.1
9+00W	201	33	145	<0.1
9+50W	267	51	160	<0.1
10+00W	170	25	85	<0.1
10+50W	140	19	182	<0.1
11+00W	283	9	82	<0.1
11+50W	27	34	138	<0.1
12+00W	229	22	87	<0.1
13+00N11 BASELINE	101	28	88	<0.1
0+50W	338	55	116	<0.1
1+00W	228	33	139	<0.1
1+50W	65	24	100	<0.1
2+00W	119	27	69	<0.1
2+50W	210	20	59	<0.1
3+00W	234	28	69	<0.1
3+50W	245	35	73	<0.1
4+00W	113	28	98	<0.1
4+50W	134	36	99	<0.1
5+00W	111	20	100	<0.1
5+50W	236	19	78	<0.1
6+00W	371	8	47	<0.1
6+50W	102	14	83	<0.1
7+00W	191	27	126	<0.1
7+50W	133	47	55	<0.1
8+00W	157	43	93	<0.1
8+50W	111	53	128	<0.1
9+00W	73	39	113	<0.1
9+00W	79	43	117	<0.1



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DATE JANUARY 30, 1981

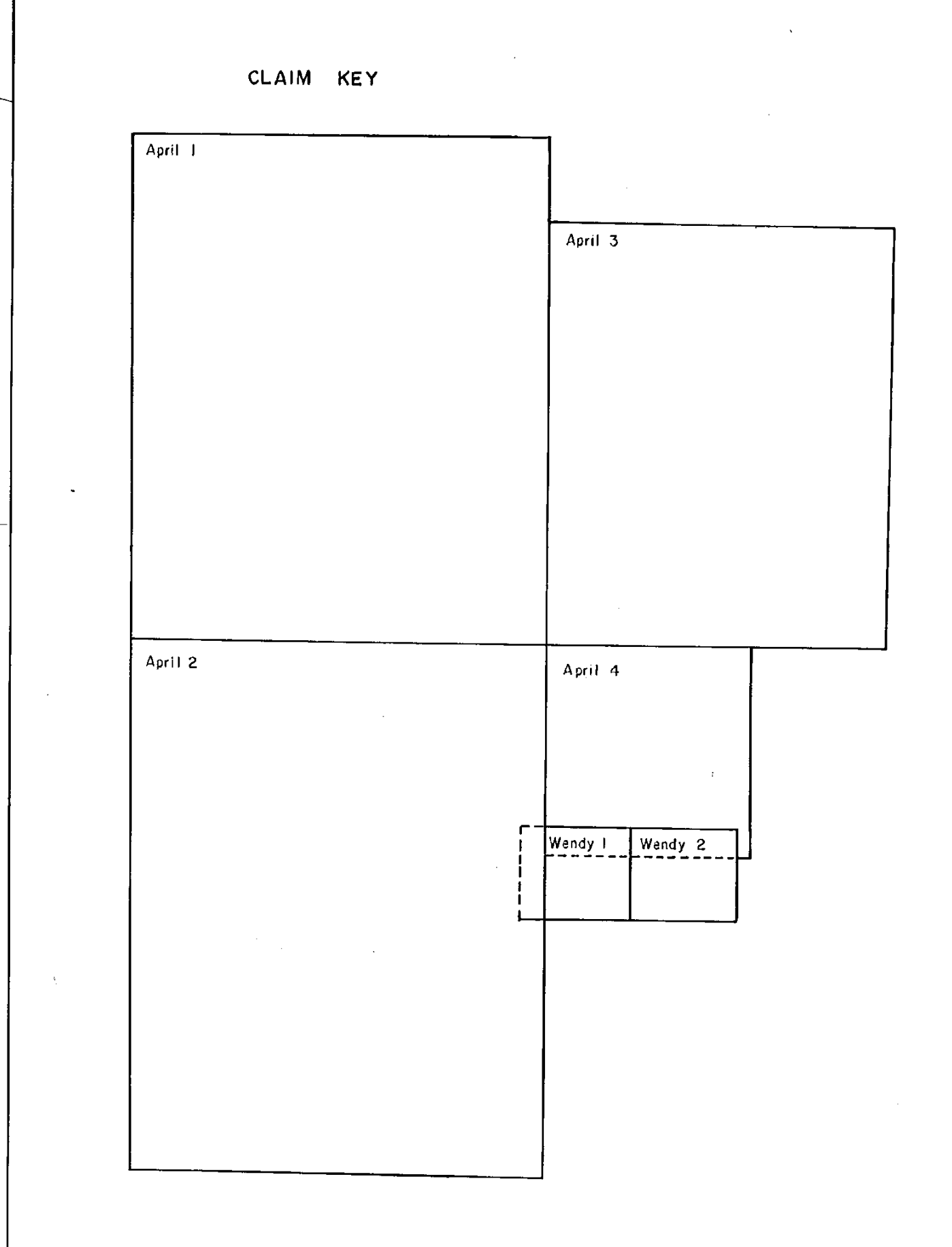
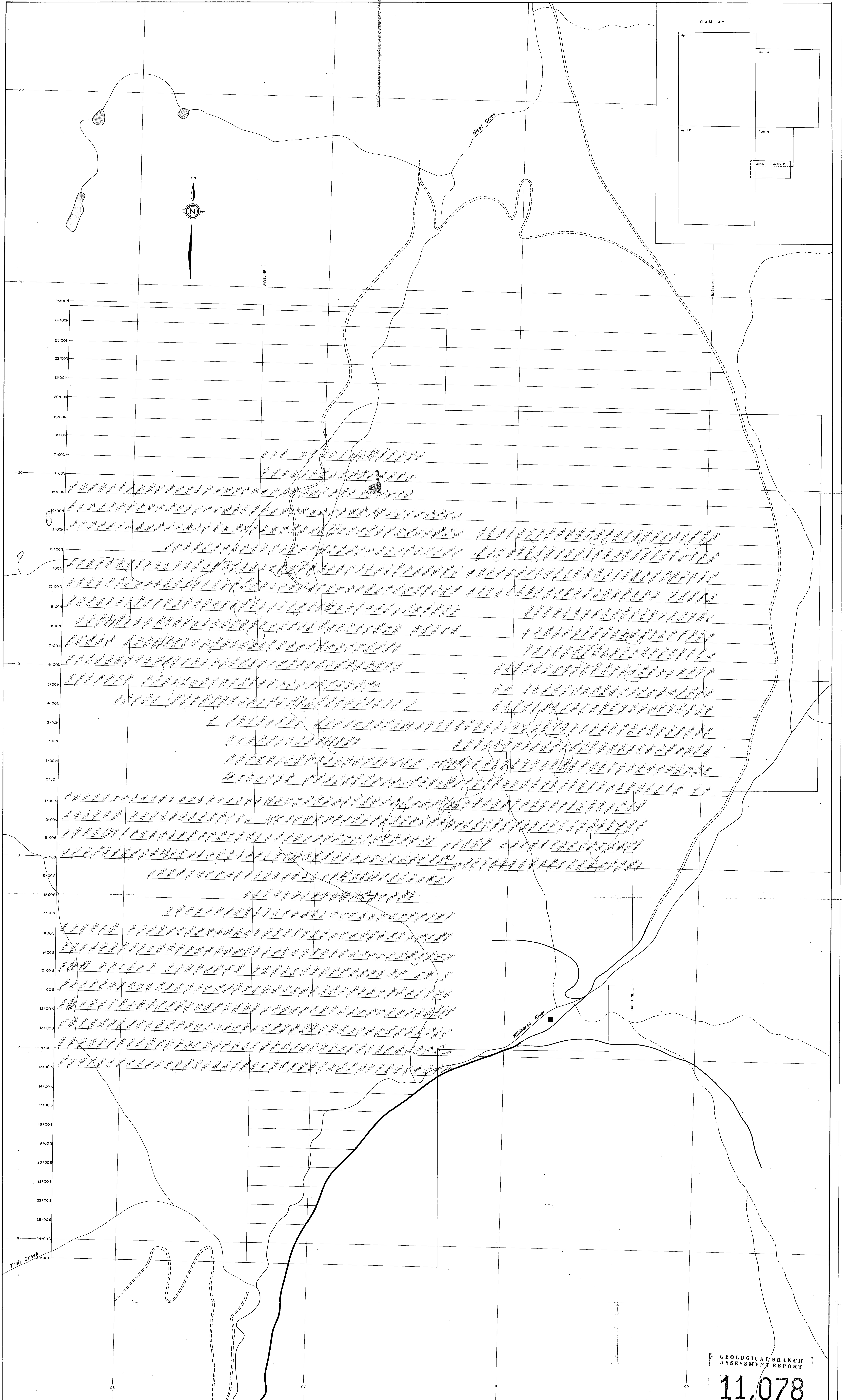
PROJECT NO. 9147-1-2262

39 OF 40

LOCATION	CU PPM	PB PPM	ZN PPM	AG PPM
13+00N11 9+50W	104	61	159	<0.1
10+00W	131	53	157	<0.1
10+50W	100 # 1528	20	190	<0.1
11+00W	73	105	106	<0.1
11+50W	145	24	115	<0.1
12+00W	261	22	96	<0.1
0+0N 0+50W	211	6	98	<0.1
1+00W	26	16	41	<0.1
1+50W	99	9	63	<0.1
0+0N BASELINE	27	<1	86	<0.1
0+50E	82	7	104	<0.1
1+00E	40	3	99	<0.1
1+50E	58	35	60	<0.1
2+50E	108	22	99	<0.1
3+00E	144	22	50	<0.1
3+50E	102	15	52	<0.1
4+00E	64	20	121	<0.1
4+50E	242	21	109	<0.1
5+00E	51	40	163	<0.1
5+50E	44	370	212	<0.1
6+00E	44	26	171	<0.1
6+50E	41	16	130	<0.1
7+00E	55	67	202	<0.1
7+50E	93	27	161	<0.1
8+00E	58	15	103	<0.1
8+50E	51	20	57	<0.1
9+00E	66	12	62	<0.1
9+50E	4	<1	11	<0.1
10+00E	355	22	115	<0.1
1+00S111 BASELINE	73	22	124	<0.1
0+50W	53	18	85	<0.1
1+00W	99	25	74	<0.1
1+50W	70	19	50	<0.1
2+00W	37	21	160	<0.1
2+50W	31	23	131	<0.1
3+00W	62	37	220	<0.1
3+50W	93	32	170	<0.1
4+00W	28	36	158	<0.1
4+50W	48	23	102	<0.1
5+00W	40	24	97	<0.1
4+50	78	32	168	<0.1


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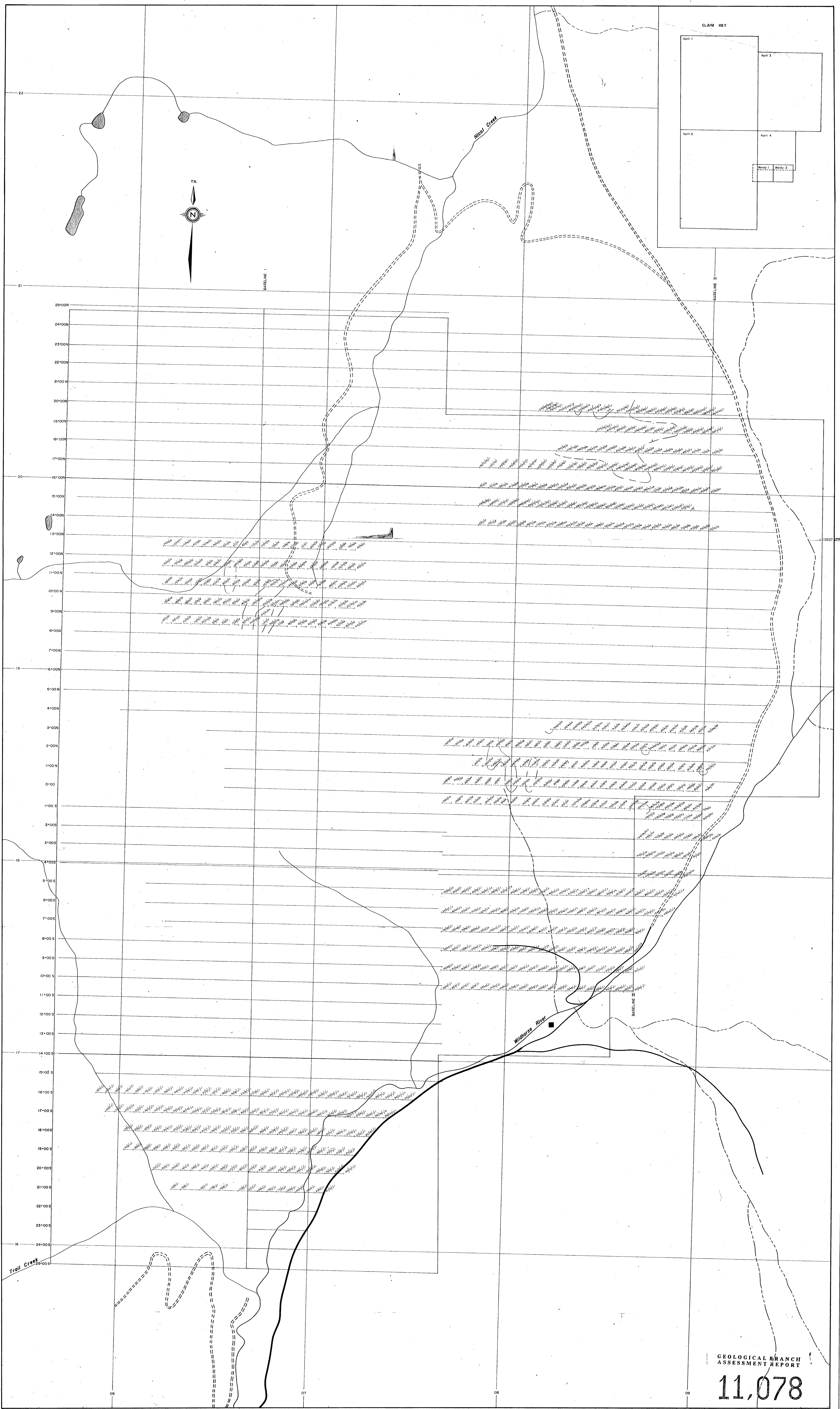
APRIL and WENDY
WILDHORSE CREEK
British Columbia

1980 GEOCHEMICAL SAMPLING PROGRAM
BASE MAP # 1

NTS: 82 G 13,14 DATE: 82-06-09
FIGURE: Map 1 DRAFTED BY: SKS/LME

LEGEND:
AG PPM Copper 200 ppm threshold
Zn PPM
Pb PPM
Cu PPM

Scale 1:5,000
0 50 100



LEGEND:
 AG ppm
 ZN ppm
 PB ppm
 CU ppm
 30 ppm Copper combined

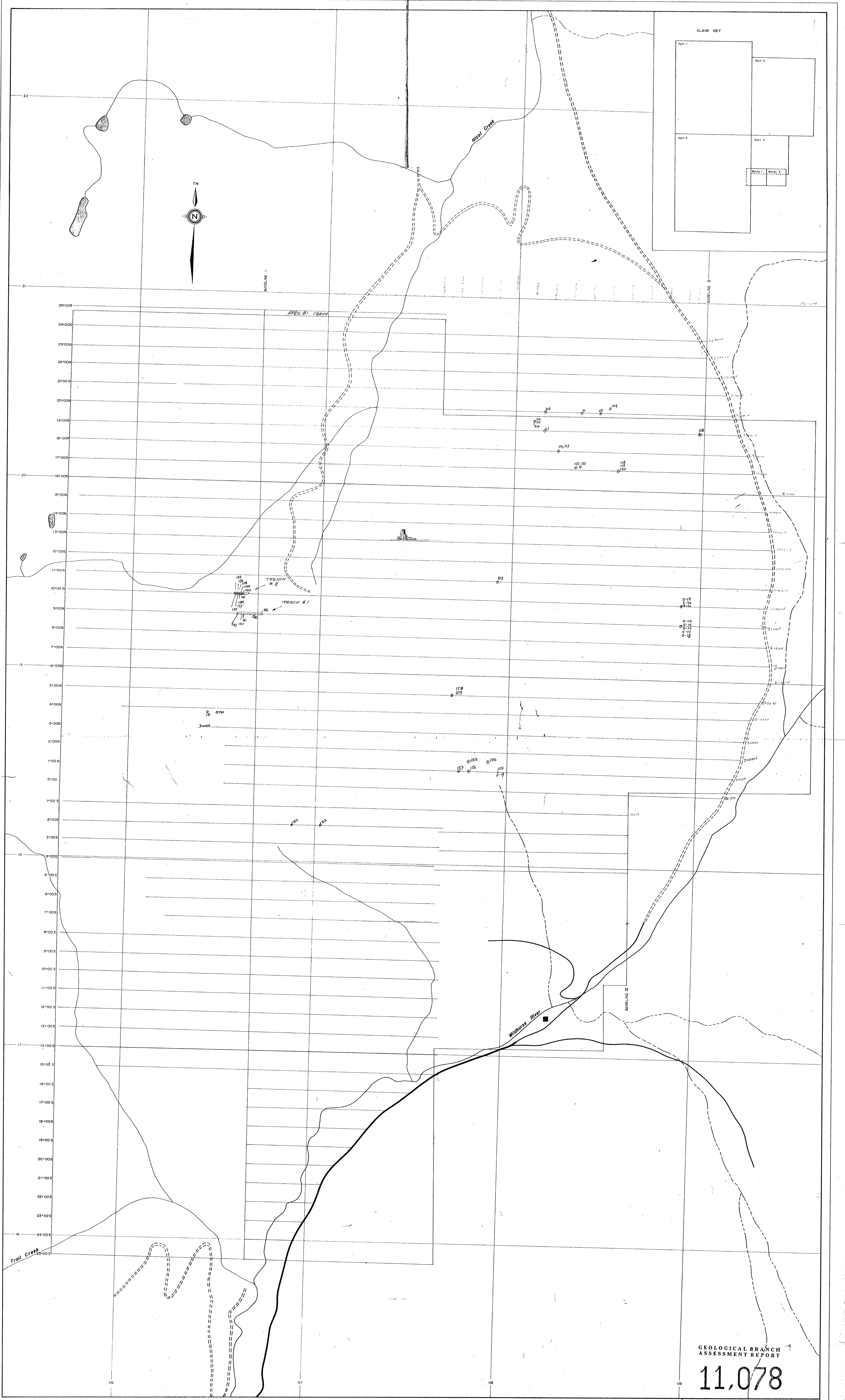
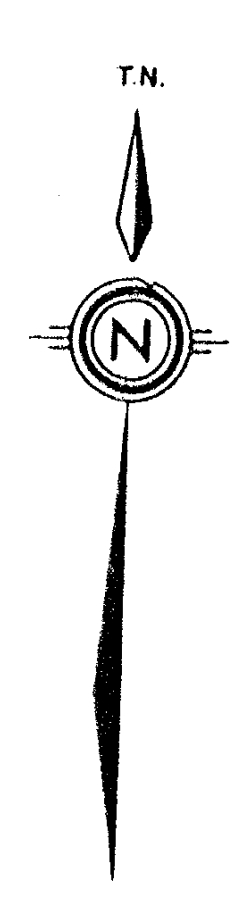
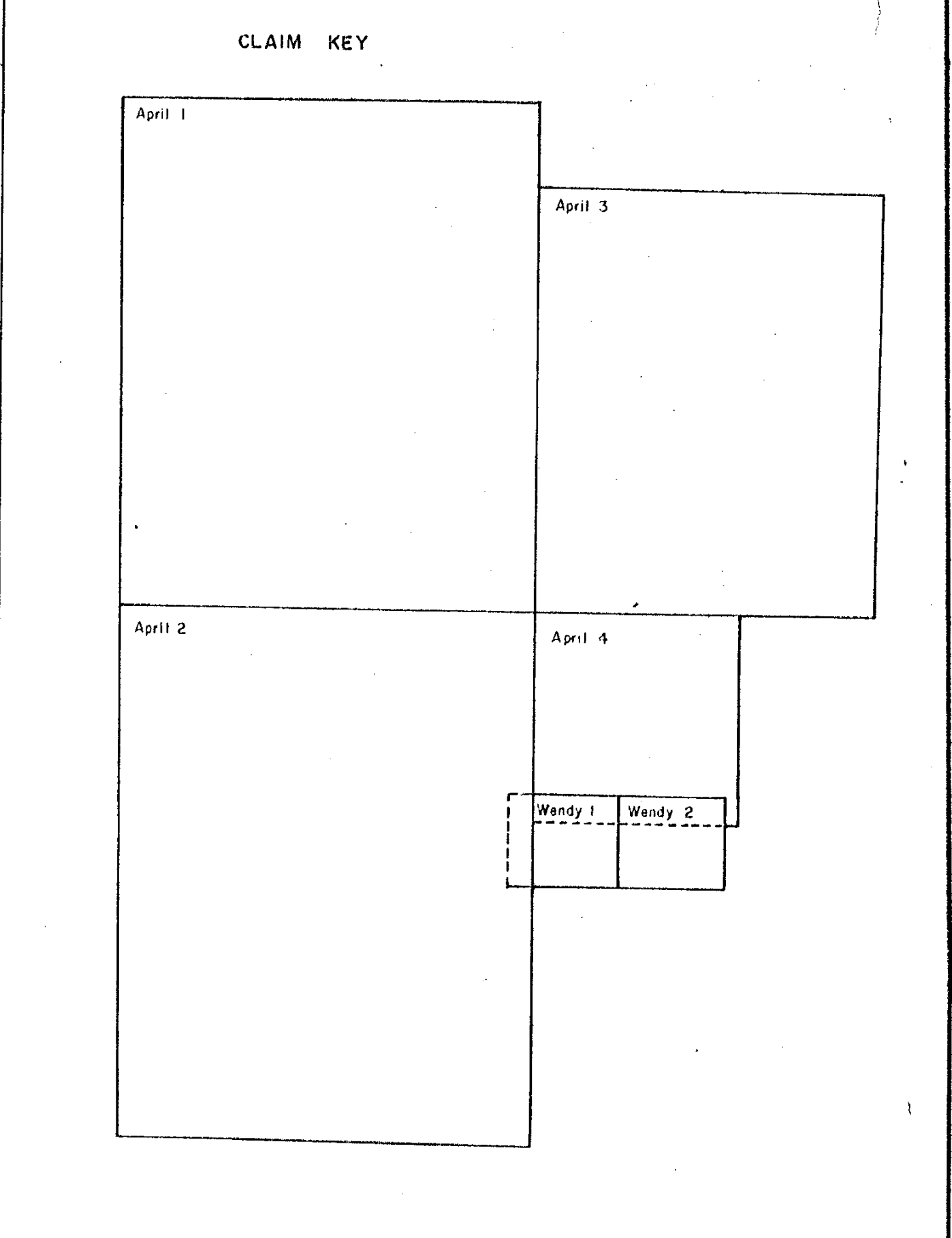
Scale 1:5 000
 0 50 100 200 meters

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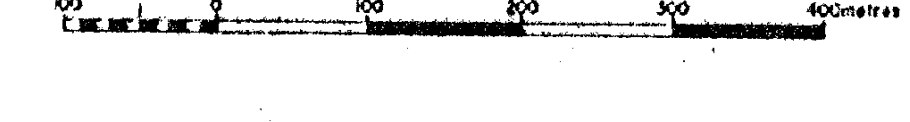
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APRIL and WENDY
 WILDHORSE CREEK
 British Columbia
 1981 GEOCHEMICAL SAMPLING PROGRAM
 BASE MAP #2
 NTS: 82 G 13,14 DATE: 82-06-09
 FIGURE: MAP 2 DRAFTED BY: SKS.Lille

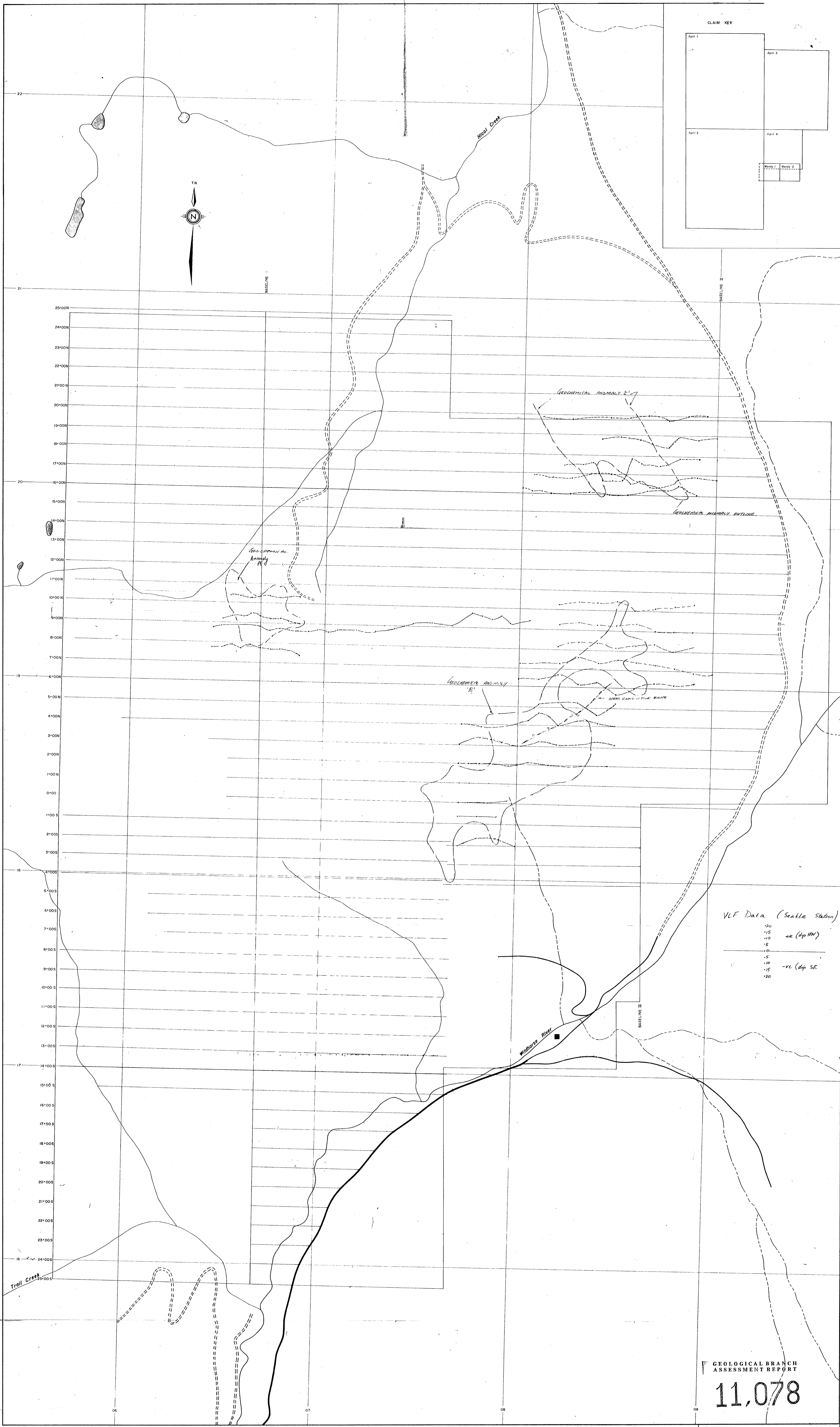


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LEGEND
SAMPLE NUMBERS PLOTTED
PREFIX EACH NUMBER, IN # 14143
FOR ASSAYS AND ROCK TYPE SEE REPORT
APPENDIX I.
FOR SOIL SAMPLES PREFIX IN # 148259
ALSO SEE APPENDIX I FOR ASSAY RESULTS.
Scale 1:5,000



DEKALB MINING CORPORATION	
APRIL and WENDY WILDHORSE CREEK British Columbia	
BASE MAP # 3 TRENCHING AND CHECK SOIL SAMPLES 1982	
NTS: 02 0 13,14	DATE: 02-08-09
FIGURE: Map 3	DRAFTED BY: SKS Little



VLF Data (Seattle Station)

20
15
10
5
0
5
10
15
20

+ve (dip NW)
-ve (dip SE)

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DEKALB MINING CORPORATION
APRIL and WENDY
WILDHORSE CREEK
British Columbia
VLF EM SURVEY 1982
BASE MAP 4
VLF DIP ANGLES

Scale 1:5 000

NTS: 82 G 13,14 DATE: 82-06-09
FIGURE: MAP 4 DRAFTED BY: SKS/Line