

BRITISH COLUMBIA
PROSPECTORS ASSISTANCE PROGRAM
MINISTRY OF ENERGY AND MINES
GEOLOGICAL SURVEY BRANCH

PROGRAM YEAR: 1996/1997

REPORT #: PAP 96-23

NAME: GARY LEE

**BRITISH COLUMBIA
PROSPECTORS ASSISTANCE PROGRAM
PROSPECTING REPORT FORM (continued)**

B. TECHNICAL REPORT

- One technical report to be completed for each project area.
- Refer to Program Requirements/Regulations, section 15, 16 and 17.
- If work was performed on claims a copy of the applicable assessment report may be submitted in lieu of the supporting data (see section 16) required with this TECHNICAL REPORT.

Name GARY LEE Reference Number 96/97-P52
& DAVE HAYWARD 96/97-P
LOCATION/COMMODITIES
 Project Area (as listed in Part A) NINA-FEVER CLAIMS MINFILE No. if applicable 43N/15W N/A
 Location of Project Area NTS 93N/15W Lat 55° 57' Long 124° 48'
 Description of Location and Access 10 KM. NORTHWEST OF GERMANSEN LANDING
ON AN ALL WEATHER ROAD AND THENCE TURNING RIGHT (NORTH)
ON A 4x4 ROAD AN ADDITIONAL 17 KM. TO PROPERTY
 Main Commodities Searched For GOLD, COPPER & SILVER
 Known Mineral Occurrences in Project Area 2 SHOWINGS ON NINA CLAIMS
OF GOLD, COPPER & SILVER

WORK PERFORMED

1. Conventional Prospecting (area) APPROX 3 KM. x 3 KM
2. Geological Mapping (hectares/scale) ---
3. Geochemical (type and no. of samples) ICP 353 samples
4. Geophysical (type and line km) 18 KM. OF VLF & MAG.
5. Physical Work (type and amount) ---
6. Drilling (no., holes, size, depth in m, total m) ---
7. Other (specify) ---

SIGNIFICANT RESULTS

Commodities COPPER, GOLD, SILVER Claim Name NINA 1-96
 Location (show on map) Lat 55° 57' Long 124° 48' Elevation 1680m.
 Best assay/sample type ROCK SAMPLES MAIN SHOWING 1.22% Cu, 7.22g/t Ag
and 0.052 g/t Au (ASSAY COMPLIMENTS OF HOMESTAKE CANADA INC.)
 Description of mineralization, host rocks, anomalies SEE ENCLOSED TECHNICAL
REPORT (LOCATION - MAIN SHOWING - MAP Page 5)

Supporting data must be submitted with this TECHNICAL REPORT
 Information on this form is confidential for one year from the date of receipt subject to the provisions of the Freedom of Information Act.

Dec. 9 '96 7:50

BLUE OX SERVICES

FAX 6048465828

P. 3

3

CERTIFICATE OF ASSAY AS 96-5308

HOMESTAKE CANADA INC.
1000-700 West Pender St.
VANCOUVER, B.C.
V6C 1G8

1-Oct-96

ATTENTION: D. KURAN/C. EDMUNDS

No. of samples: 16
Sample type: ROCK
PROJECT #: NOT GIVEN
SHIPMENT #: 90621-20
Samples submitted by: RBA

ET #.	Tag #	Au (g/t)	Au (oz/t)	Ag (g/t)	Ag (oz/t)	Cu (%)
2	06472	1.78	0.052	254.4	7.42	1.22
5	06732	1.50	0.044	37.3	1.09	-
13	06684	3.64	0.106	114.6	3.34	-

QC/DATA:

Standard:

Mp1a	-	-	-	-	-	1.44
CPb-1	-	-	631.0	18.40	-	-

ECO-TECH LABORATORIES LTD.
10041 East Trans Canada Highway
KAMLOOPS, B.C.
V2C 6T4

ICP CERTIFICATE OF ANALYSIS AS 96-5308

HOMESTAKE CANADA INC.
1000-700 West Pender St.
VANCOUVER, B.C.
V6C 1G8

Phone: 604-573-5700
Fax: 604-573-4557

ATTENTION: D. KURAN/C. EDMUNDS

SHIPMENT #: 90621-20
Samples submitted by: RBA

Values in ppm unless otherwise reported

Et #	Tag #	Au(ppb)	Ag	Al %	As	Be	B	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	06471	5	<0.2	1.37	<5	345	<5	0.61	<1	10	74	57	2.50	20	0.96	712	<1	<0.01	27	710	<2	<5	<20	31	0.23	<10	20	<10	12	65
2	06472	>1000	>30	0.64	515	120	<5	0.26	<1	39	59	>10000	>10	50	0.50	127	17	<0.01	16	<10	202	<5	<20	5	0.21	30	52	<10	<1	250
3	06473	115	<0.2	<0.01	<5	<5	<5	<0.01	<1	<1	<1	1	0.03	<10	<0.01	3	<1	<0.01	<1	<10	<2	<5	<20	<1	<0.01	<10	<1	20	<1	<1
4	06474	20	5.0	4.43	<5	55	<5	2.45	2	25	40	262	6.61	20	2.76	883	<1	0.01	35	530	<2	<5	<20	13	0.47	<10	132	<10	<1	69
5	06732	>1000	>30	0.73	145	85	<5	0.37	1	26	113	2257	>10	40	0.47	173	9	<0.01	12	<10	30	<5	<20	4	0.20	20	49	<10	<1	77
6	06733	255	5.2	3.36	45	70	<5	0.78	3	36	170	362	9.63	30	2.92	1328	<1	0.04	49	430	208	<5	<20	2	0.43	<10	171	<10	<1	388
7	06678	5	<0.2	3.68	<5	105	<5	2.53	1	35	45	31	6.30	20	2.03	872	<1	0.03	41	690	<2	<5	<20	8	0.59	<10	181	<10	6	55
8	06679	5	<0.2	3.18	<5	145	<5	1.86	1	31	88	14	5.77	10	2.12	645	<1	0.03	49	810	<2	<5	<20	9	0.33	<10	157	<10	2	44
9	06680	10	<0.2	1.04	<5	75	<5	0.44	<1	30	82	45	2.60	10	0.68	531	<1	0.01	25	420	<2	<5	<20	6	0.24	<10	28	10	6	16
10	06681	15	<0.2	0.85	<5	<5	<5	1.02	<1	4	156	39	0.77	<10	0.11	188	<1	<0.01	7	60	<2	<5	<20	356	0.04	<10	42	<10	<1	4
11	06682	5	0.6	0.68	<5	210	<5	0.67	<1	8	165	47	1.36	20	0.30	1220	2	0.01	25	1450	4	<5	<20	13	0.15	<10	17	<10	16	59
12	06683	5	<0.2	0.78	<5	190	<5	0.36	<1	11	69	117	1.93	<10	0.37	662	<1	<0.01	9	350	6	<5	<20	10	0.25	<10	19	<10	4	31
13	06684	>1000	>30	0.15	500	85	<5	0.19	<1	16	90	585	>10	20	0.04	36	12	<0.01	6	<10	114	<5	<20	3	0.10	20	45	<10	<1	128
14	06685	175	12.4	3.63	<5	105	<5	0.66	2	18	157	884	>10	40	3.00	1180	<1	0.04	20	70	14	<5	<20	5	0.61	<10	202	<10	<1	265
15	06686	10	0.8	0.92	5	20	<5	>10	1	22	156	763	1.45	<10	0.47	938	<1	<0.01	29	70	<2	10	<20	91	0.14	<10	37	<10	6	250
16	06687	40	<0.2	2.80	<5	50	<5	1.40	<1	38	53	65	7.42	20	2.19	999	<1	0.04	52	560	<2	<5	<20	5	0.61	<10	172	<10	5	101

MAP 93°N/15W MINERAL
SCALE 1:50,000

OMI 4
8091 (12)
306822

8090 6
306822
306822

8090 8
306824
306824

NICA 1
7969 (10)
306824

OMI # 8
8090 (12)
306824

NINA 1-96

NINA 2-96

NICA 2
7970 (10)
306824

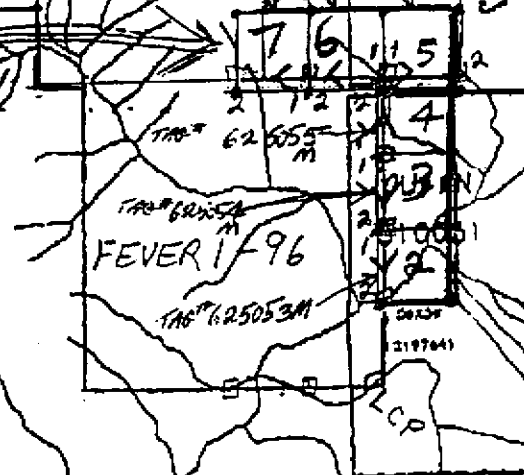
I staked the
FEVER 2-96 TO 7-96
MINERAL CLAIMS BETWEEN
JULY 5 AND JULY 10/96

Nancy Lee

Fever 1-96 & NINA CLAIMS
STAKED FEB-MAR 1996

FEVER 1-96

Nina Lake



NINA and FEVER MINERAL CLAIMS

GEOPHYSICAL AND GEOCHEMICAL SURVEY

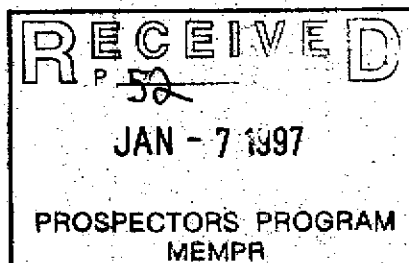
by

Gary C. Lee, P.Eng.

December, 1996

Grant Numbers: NINA 1-96: 343848
 NINA 2-96: 343850
 FEVER 1-96: 343849
 FEVER 2-96 to 7-96: 347694 to 347699, incl.

Omineca Mining Division, B.C.
Map NTS 93N/15W
Latitude 55° 57', Longitude 124° 48'



NINA and FEVER MINERAL CLAIMS

GEOPHYSICAL AND GEOCHEMICAL SURVEY

by

Gary C. Lee, P.Eng.

Report: December, 1996
Fieldwork: June/September 1996

Grant Numbers: NINA 1-96: 343848
 NINA 2-96: 343850
 FEVER 1-96: 343849
 FEVER 2-96 to 7-96: 347694 to 347699, incl.

Omineca Mining Division, B.C.
Map NTS 93N/15W
Latitude 55° 57', Longitude 124° 48'
UTM 6,200,000N, 388,500E

Owners: Gary C. Lee and Dave Hayward
Work done by: Gary C. Lee, Dave Hayward and Dave McCurdy

Date submitted: _____

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Table 1 (Watkins, 1985): Assays on sulphide-rich fragments	
Colour Contoured Geochemistry Maps:	
- antimony, arsenic, barium, cobalt, copper, lead, silver, zinc (8 pages)	
LAB-ICP Reports (10 pages)	
DIAGRAM #1:	
VLF and Magnetometer Plan	In pocket

SUMMARY

The original discovery of copper and precious metals (Au, Ag) was made on the NINA 1-96 claim as anomalous concentrations in a gossan-stained bedrock by Anaconda Canada in 1982. The discovery of another anomalous gossan was made by Rio Algom Exploration Inc. and JAM Geological Services on July 23, 1985. Following this work, in the Report of Evaluation (Watkins, 1985) it was stated that the favourable contact extended to the southeast into the FEVER mineral claims. A program of ground geophysics and soil geochemistry was recommended at this time. This recommended program was finally, at least partially, carried out during the summer of 1996. Some interesting geophysical anomalies (VLF) were encountered. Also, the geochem soil sampling yielded some unexplained anomalies. Some of the longer geophysical lines, when extended grid east (Brg. 48°) yielded complex conductor systems (multiple conductors) which may host economic mineralization (massive sulphides).

A program of further gridding, geophysics and soil geochemistry is recommended, with emphasis on extending the coverage to at least station 1000 east.

INTRODUCTION

General

From June 18 to July 17 and from September 5 to 9, 1996 a two or three man crew conducted a VLF, mag. and geochem survey on the NINA-FEVER claim group. Dave Hayward and Dave McCurdy, both from near Smithers, B.C., and this author, of Whitehorse, Y.T., comprised the crew.

The claims consist of NINA 1-96 (16 units), NINA 2-96 (15 units), FEVER 1-96 (16 units) and six two-post claims - FEVER 2-96 to 7-96 (six units), for a total of 53 units. The claim boundaries can be seen on the 1:20,000 topo map on page 5 and the 1:2,000 VLF and magnetometer plan contained in the pocket.

The claims are jointly owned by myself and Mr. Dave Hayward.

Location and Access

The property is located on north-central British Columbia, 260 km northwest of Prince George at the south end of the Swannell Range in the Omineca Mountains (see map, page 2). The property is 17 km north by northwest of Germansen Landing. Germansen Landing is slightly less than 200 road km north of Fort St. James (see map, page 3). Road access is achieved by proceeding 10 km northwest of Germansen Landing on an all-weather gravel road and thence turning right (north) on an unmaintained 4x4 road for an additional 14 km to the property. The road cuts through the southeast portion of the property (see map, page 5).

Topography

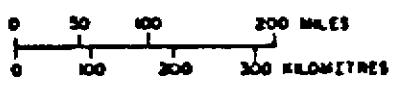
The property ranges in elevation from 940 metres to 1800 metres. Vegetation is typical of a relatively mature evergreen forest common to north-central B.C. with trees thinning out above the 1600 metre elevation. Most of the FEVER claims are easily traversed by foot; however, parts of the NINA claims such as the area of the main showing have steep valley walls and are traversed with difficulty.

The colour photos on page 6 show the steep topography (lower two photos) versus the more easily traversed country (top two photos) of the FEVER claims.



PROPERTY LOCATION MAP

NINA CLAIMS



FORT ST. JAMES FOREST DISTRICT MAP

NINA CLAIMS

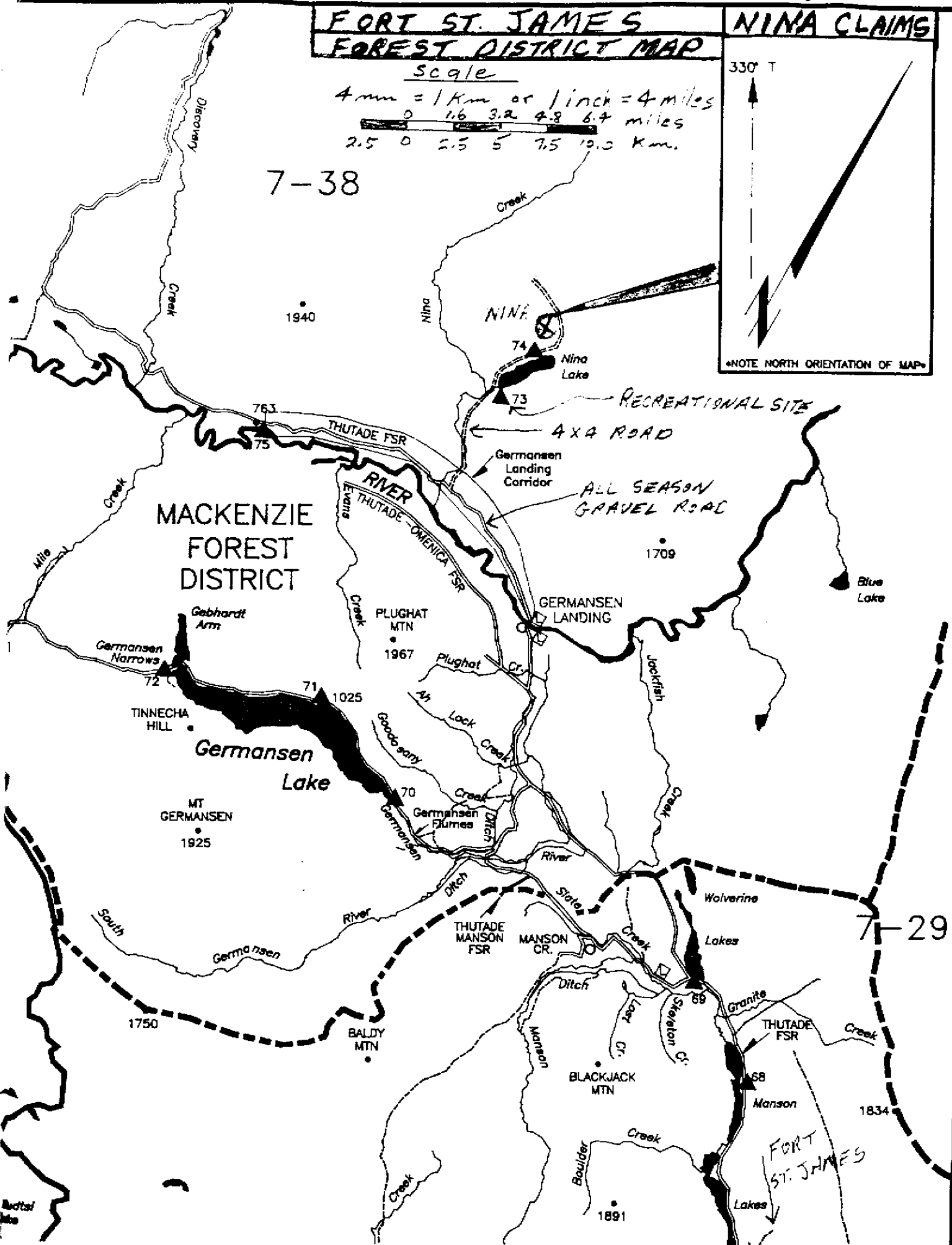
Scale

4 mm = 1 Km or 1 inch = 4 miles
 0 1.6 3.2 4.8 6.4 miles
 2.5 0 2.5 5 7.5 10.0 Km.

330° T

NOTE NORTH ORIENTATION OF MAP

7-38



7-29

FORT ST. JAMES

History

(From: Watkins, 1985 B.C. Assessment Report no. 13,977 and from Cope, 1988 B.C. Assessment Report no. 17,940)

Anomalous concentrations of copper and precious metals from gossan-stained bedrock were reported by Anaconda Canada Ltd. in 1982. Another anomalous gossan was discovered by Rio Algom Exploration Inc. and JAM Geological Services in 1985. These were both in the NINA claims at high elevations. Geological mapping in 1985 by JAM Geological Services showed these gossans to contain massive sulphide fragments containing copper, gold and silver (Watkins, 1985). Also at this time, two strataform EM anomalies were detected in a VLF survey.

In 1986 Lornex Mining Corporation Ltd. took over the property, conducting geological mapping, rock sampling and soil geochemistry in the 1986 field season.

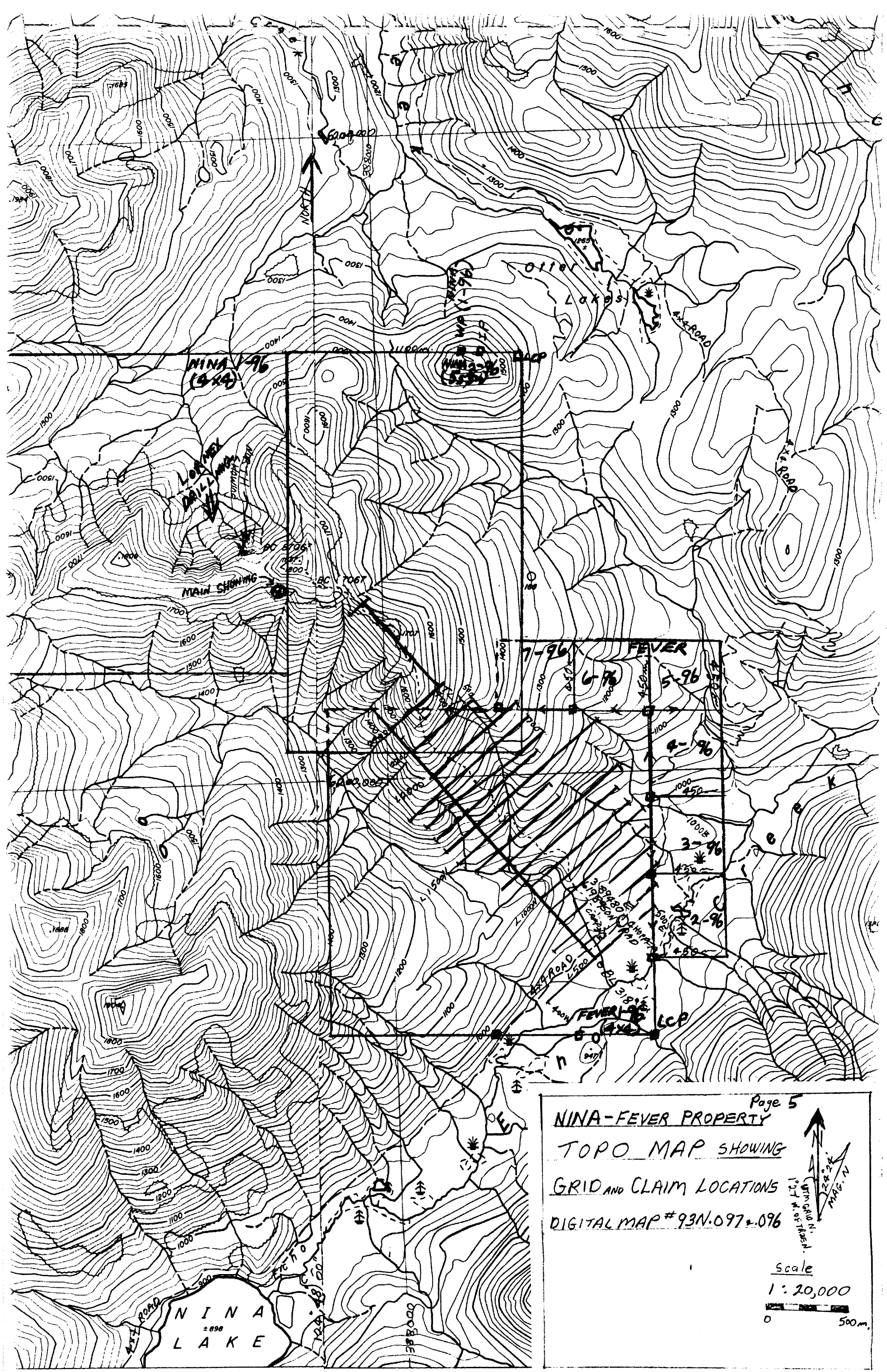
In 1987, 6 km of induced polarization survey was performed. In 1988, 224 metres of BGK wireline diamond drilling in three holes from three set-ups was performed. This was conducted in the north half of the NINA 1-96 claim (see map, page 5) in a separate valley to the northwest of the FEVER claims. Not all holes reached their targets as drilling problems were reported. There was no work done in the valley of the FEVER claims by Lornex.

Grid and Field Procedure

All lines were flagged with orange and blue flagging at 20 metre stations. Four-foot pickets with metal tags were used on most of the baseline. Lines, for the most part, were run-in at 100 metre intervals. The grid layout can be seen on the 1:20,000 map on page 5 and the 1:2,000 map contained in the pocket. Roughly 18 km of baseline and lines were flagged-in.

A Geonics EM-16 was employed for the VLF survey, with readings being taken at 10 metre intervals. Both the in-phase and quadrature were read. All stations were read by facing the direction of the transmitting station and thence turning clockwise 90° before taking the readings. Most lines were read on Cuttler, Maine, since Seattle, Washington, was off the air for a major refit until July 11, 1996. At this time, as many lines as possible in the time remaining were read on Seattle, Wa.

Magnetometer readings were taken at 10 metre intervals with a Scintrex MF-2 fluxgate magnetometer. The instrument reads the vertical component of earth's magnetic field. Readings were taken to the nearest 10 gammas in short loops and corrected for diurnal. Each loop was subsequently corrected to adjacent loops throughout the survey.



Page 5
NINA-FEVER PROPERTY
TOPO MAP SHOWING
GRID AND CLAIM LOCATIONS
DIGITAL MAP # 93N.097-096

Scale
1 : 20,000
0 500m.

MAG. N
1917
G.M. N.



LOOKING N.E. TO ROAD (OFF PROPERTY) WHICH IS SUPPOSED TO TERMINATE AT COMMICO FLATS TO THE NORTH



LOOKING S.E. FROM L2900N SHOWS APPROX LOCATION OF PART OF GRID, ROAD, CAMP AND BASELINE



LOOKING N.W. CLOSE-UP OF GOSSAN (RED-BROWN)



LOOKING N.W. TO GOSSAN MAIN SHOWING (WATKINS, 1985)

Geochemical sampling was begun by soil sampling the 'B' horizon (where possible) with a split spoon auger at 20 metre intervals. It was soon realized that sampling the complete grid would be too costly, especially regarding limited resources and high cost of the lab analysis. Consequently, sampling was limited to areas of mag. and especially VLF anomalies in the hope that it might indicate the location of buried massive sulphides. These can be seen on the 8-colour contoured geochemistry maps contained in the Appendix.

ECONOMIC GEOLOGY

The following was taken from B.C. Assessment Report no. 13,977 by Watkins and Atkinson, 1985:

" Property Geology

" Stratigraphic and structural relationships within the Nina Creek belt are not known. Stratigraphy in the property area appears to be part of a homoclinal succession topping and dipping westerly.

The property is underlain predominantly by weakly metamorphosed massive, green to brownish green weathered, fine grained, altered basalt. The metabasalt is locally variolitic, brecciated or pillowed. Intracalated with metabasalt is a metasedimentary unit with an apparent thickness of up to 150 metres that flexes in trend from 100° to 140°, and thins markedly towards the north side of the property. The metasediments are predominantly dark brown, weakly foliated, fine grained mafic tuffs, locally argillaceous. Near the basalt contact, the sediments are distinctly layered with siliceous, cherty bands to 1 cm wide, which locally grade to massive chert. No stratigraphic top indicators were recognized.

Hydrothermal Breccia

On lines east of the main showing, within massive and pillowed metabasalt, a 50 x 150 m area is underlain by a mixed basalt and cherty breccia. Here, massive basalt and chert have been shattered to angular fragments of millimetre to 10 centimetre size to form a matrix supported breccia. The matrix is either a dense, creamy grey siliceous groundmass, or mixed lamellae of fine basalt and chert shards in a siliceous groundmass. No sulphide minerals were seen within this breccia body. The contact between mixed breccia and host massive basalt is not sharp, but grades from an in-situ shattered basalt.

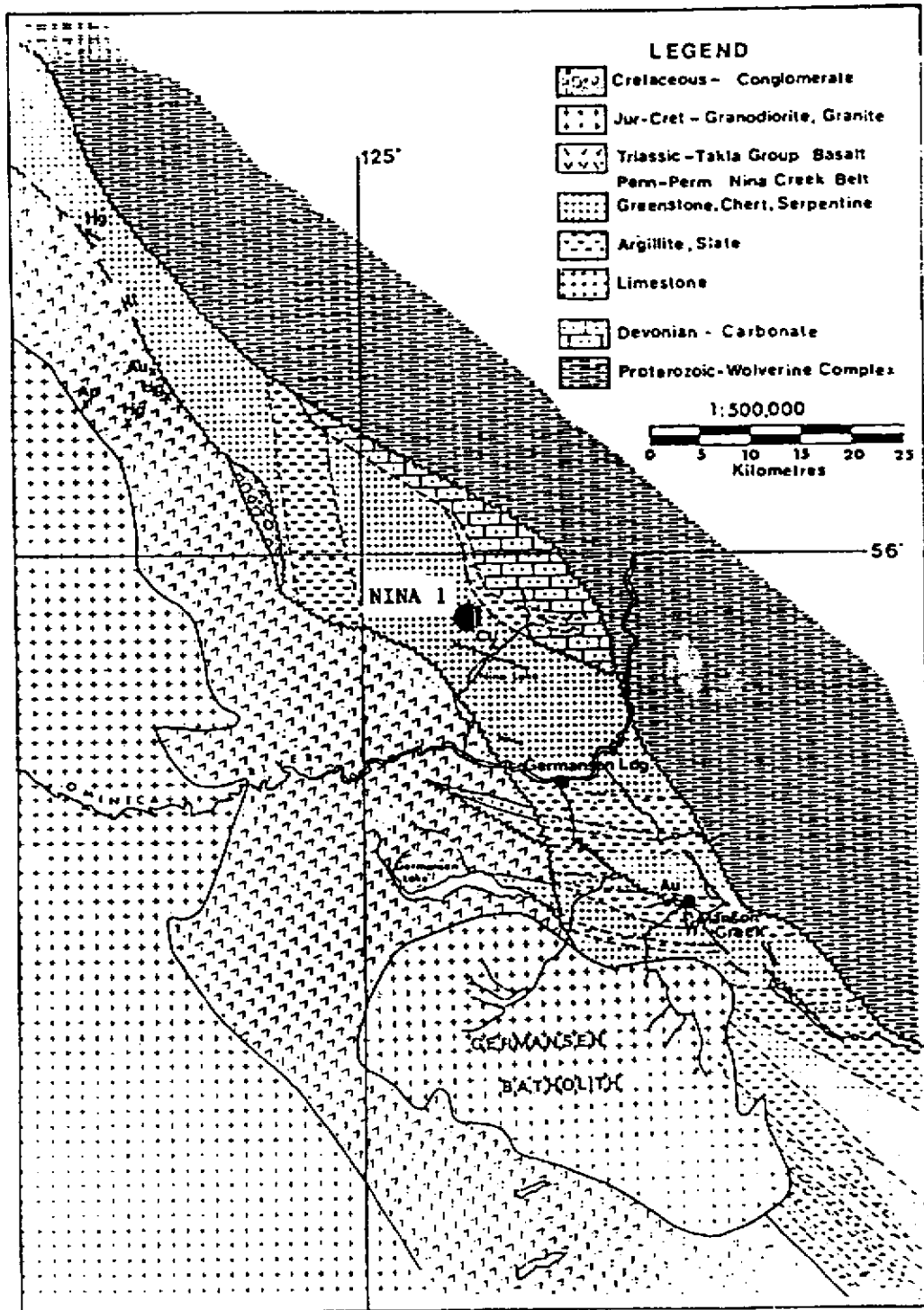


Figure 4. Geology of the Nina 1 claim area (from Armstrong, 1949 and Roots, 1954).

*Taken from B.C. assessment Report #13977
Watkins - Atkinson, 1985*

Structure

On the property, basalt flow rocks have little or no penetrative deformation. Pillowed and brecciated basalt have retained their primary textures. However, within the sedimentary unit, a vertical foliation is developed. North of the main showing, chert bands in tuff define an open, upright synform with small amplitude shallow, north-plunging drag folds well developed. Bedding plane mullions have a shallow north plunge. It is interpreted that these small folds are geometrically similar to larger folds developed in the west dipping homoclinal succession of Nina Creek belt rocks. No major disruption of the stratigraphic package by faults is recognized.

Sulphide Mineralization

Localized areas of sulphide mineralization occur within a 100 metre interval in metabasalt on the east side of the sedimentary unit. Two styles of mineralization are recognized:

1. clastic sulphide mineralizaion
2. disseminated sulphide mineralization

*assays on first
page of appendix*

Fragments of massive sulphide are mixed with monolithic, fragment supported, conglomerate-like, unmineralized basalt. This style of mineralization is identified in two areas 300 metres apart at the same stratigraphic position relative to the sediment-basalt contact. The larger of the two areas (photo, page 6) is lens-shaped in plan view, measures 25 x 130 metres, and is elongated parallel to the sediment contact. The smaller zone is less defined; it measures 5 x 60 metres with its long axis conformable to the sediment contact. Sulphide fragments are composed of fine grained, granular textured pyrite with grey quartz. The chalcopyrite content of individual fragments is variable - see Appendix.^{B)} The total sulphide content of the two zones does not exceed 15%.

Localized areas of disseminated pyrite with varying amounts of fine grained chalcopyrite and minor sphalerite are intracalated with metabasalt. These mineralized areas are small, not exceeding three metres in width and 20 metres in length. They tend to occur at a stratigraphic interval 100 metres from the sediment contact.

Alteration

Metamorphism in the NINA claim area appears to be of the lower greenschist facies. Metabasalt is commonly a fine grained assemblage of suspected plagioclase, amphibole and chlorite. Fine leucoxene is ubiquitous in the metabasalt. Silica replacement of basalt is widespread, occurring as distinct fracture controlled linear zones and as large strataform replacement zones. Cherty bands in sediment may be silica replacement. Fracture related siliceous zones are texturally similar to the matrix of the hydrothermal breccia, consisting of fine lamellae of creamy grey chert.

Metabasalt is crosscut by a wide-spaced northeast-trending set of steeply dipping quartz-epidote veins that postdates silica alteration.

On the FEVER claim to the southeast, bedrock exposures are poor. The claim appears to be underlain by predominantly massive basalt flows and tuffs, and intercalated argillites striking north-northwest and dipping moderately west. The favourable basalt and argillite can be traced southeasterly across the northeast half of the FEVER claim (Watkins, 1985)."

PURPOSE

Attempt to detect a buried sulphide deposit to the southeast of the main showing in the FEVER and/or south end of NINA 2-96 mineral claims. This is the basic recommendation contained in the Report of Evaluation of Fever Mineral Claims by Watkins, 1985. Since there is very little outcrop, ground geophysics and a soil geochemistry program were recommended.

RESULTS

The VLF results can be seen as profiles on the map contained in the pocket. The location of the VLF conductor axis has been marked on this map as well as on the geochem maps in the Appendix. This could help to determine whether any interesting correlations develop between the geochemical anomalies and the VLF conductor axis. Any interesting magnetic results have been contoured on the VLF and Magnetometer plan.

INTERPRETATION AND CONCLUSIONS

As can be seen on the VLF and Magnetometer plan, two conductors (A and B) were detected, having a strike length of 600 metres or more each. Also, on the east end of the grid, complex multiple conductors striking north by northwest need to be defined accurately with more geophysical lines.

Correlation of the conductor axis and geochemical contouring (Appendix) do not result in any obvious patterns. An area partially on and below conductor A resulted in a lot of barium highs and some very high arsenic values east of the baseline. Conductor A was very strong (in phase values up to 142%) west of the baseline and also had some high copper values associated with it. Prospecting is difficult here due to the absence of outcrops. Anomaly A has curved around line 1700N, almost making it appear as a nose of a fold. The cause of this anomaly should be determined.

Anomaly B has quite a few copper, lead and antimony 'kicks' immediately to the east or downslope and should be investigated further.

Some very high zinc anomalies (over 400 ppm) began to appear on the east side of the grid in the area of the multiple conductors. This whole area should be filled in with more geophysical lines and followed with geochemical sampling. A mag. anomaly began to develop on lines 700N and 800N between 500E and 600E, the cause of which is unknown.

Gold was not tested for, due to lack of funds.

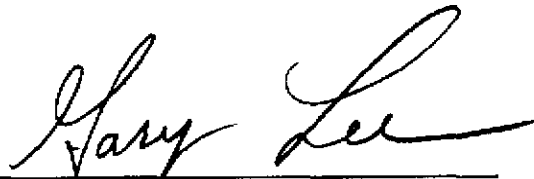
RECOMMENDATIONS

1. Sample some of the obvious gaps as seen on the geochem maps and run for ICP plus gold. Also re-run all pulps for gold.
2. ~~Ext~~end all lines between L 1000N and L 2200N to at least 1000E and conduct a geophysical and geochemical survey.
3. All new anomalies should be prospected and any outcrops should be geologically mapped.
4. Depending on the foregoing, any multiple conductor axis could be surveyed with a lower frequency EM system in order to ascertain its quality.
5. Depending on the foregoing, any one or a combination of trenching and drilling could commence.

STATEMENT OF QUALIFICATION

I, **GARY C. LEE**, of the City of Whitehorse, Yukon Territory, HEREBY CERTIFY that:

1. I am a self-employed Geological Engineer.
2. I am a graduate of the University of Toronto, Toronto, Ontario, with a degree in Applied Science - Geological Engineering (Mineral Exploration option).
3. I am a member of the Professional Engineering Associations of the Yukon, British Columbia, and Ontario.
4. I supervised and carried out the work described in this report.



Gary C. Lee, P.Eng.

Date: Dec 20/96

APPENDIX

Pg 1 Appendix

(12)

FROM BC ASSESSMENT REPORT # 13,977
Watkins - Atkinson 1985

Table 1

SEE 1:20,000 TOPO MAP Pg 5
FOR LOCATION OF SHOWINGS

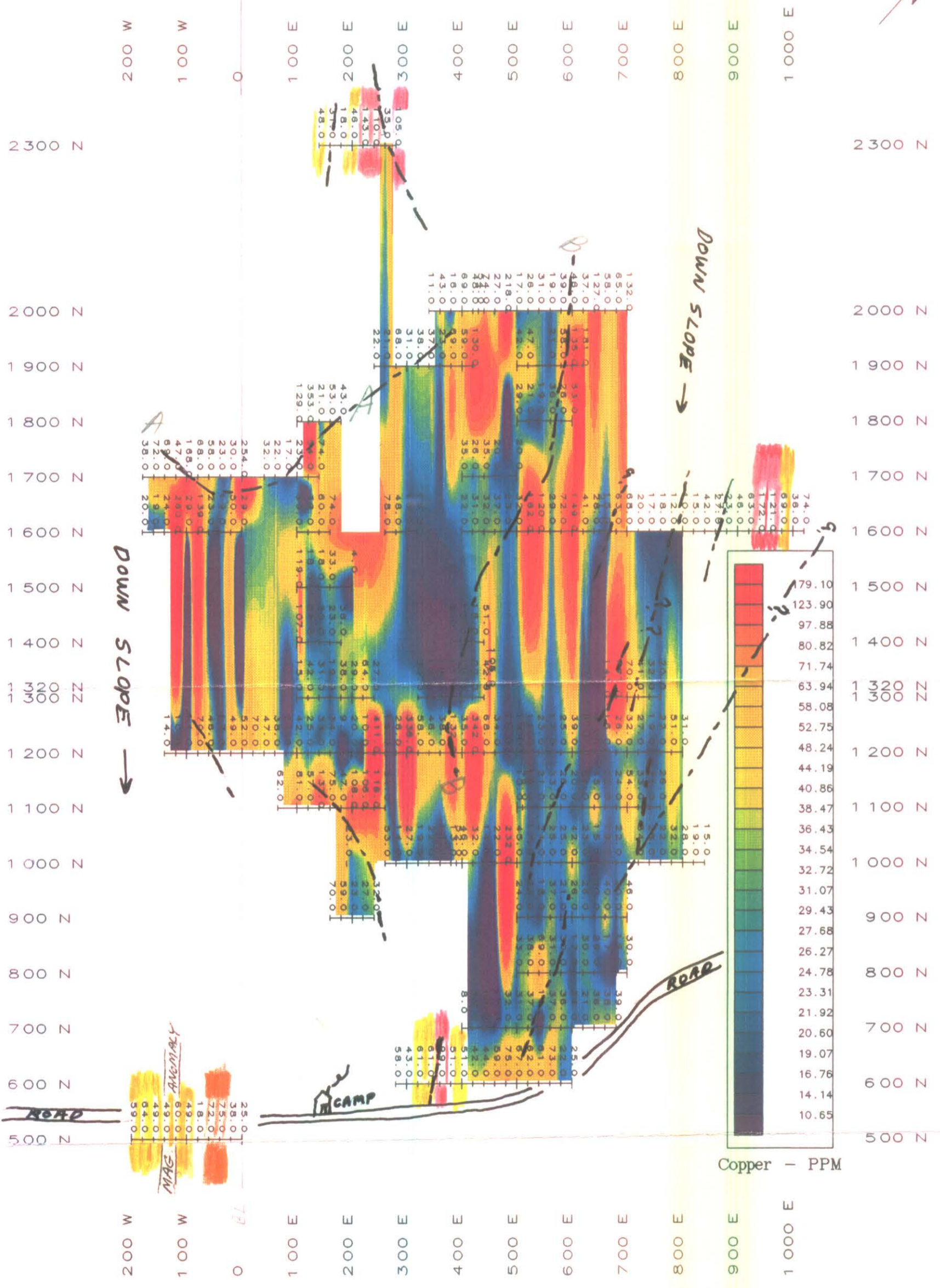
Analytical results of individual sulphide-rich fragments from
clastic sulphide zones

Sample No	Cu %	Pb % (ppm)	Zn % (ppm)	Ag gm/T	Au gm/T	Co ppm	Ba ppm	Mo ppm	As ppm
D3001	0.10	0.01	0.04	75.5	3.00	11			
D3002	1.74 ←	0.01	0.05	84.5	0.30	21			
D3003	3.15 ←	0.02	0.05	226.5	0.90	32			
D3004	0.41	0.01	0.01	26.0	0.60	18			
D3005	0.36	0.01	0.06	146.3	6.90	8			
D3006	0.17	0.01	0.01	9.3	0.05	186			
D3007	0.09	0.01	0.51	10.0	1.20 ←	19			
D3008	0.46	0.01	0.01	3.5	0.05	10			
D3009	0.17	0.01	0.01	7.0	0.40	18			
D3013	0.80 ←	0.01	0.02	38.0	1.90 ←	10			
D3014	0.21	0.01	0.01	10.0	4.70 ←	3			
*D5459	0.19	(129)	(193)	96.8	1.80		5	3	238
*D5460	0.07	(27)	(48)	9.8	0.15		9	7	67
*D5461	0.31	(35)	(53)	7.6	0.05		8	12	131
*D5462	0.41	(63)	(157)	23.7	0.40		9	8	117
*D5464	14.91 ←	(47)	(1167)	20.2	0.60		9	8	164

(12)

* Sample collected on July 23 during initial property examination

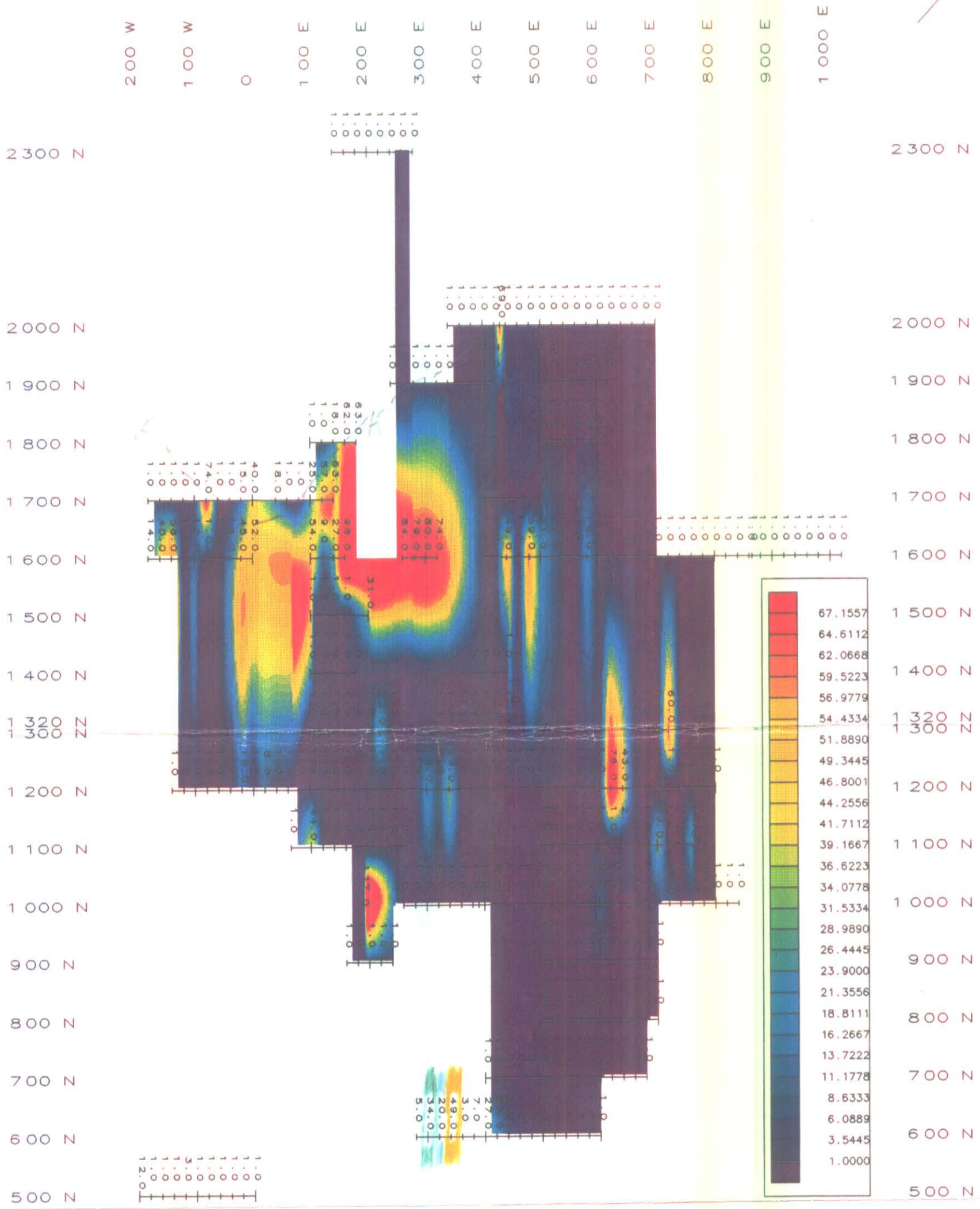
↑ MAIN GOSSAN
@ ≈ 3500N, 50E



----- VLF CONDUCTOR AXIS

Gary Lee & Dave Hayward		Nina Property	
VLF CONDUCTOR AXIS AND Copper Geochemistry		Omineca, BC Mining District	
		93N/15W	Scale 1:7500
Amerok Geosciences Ltd.		August 16, 1996	

96-23 ①

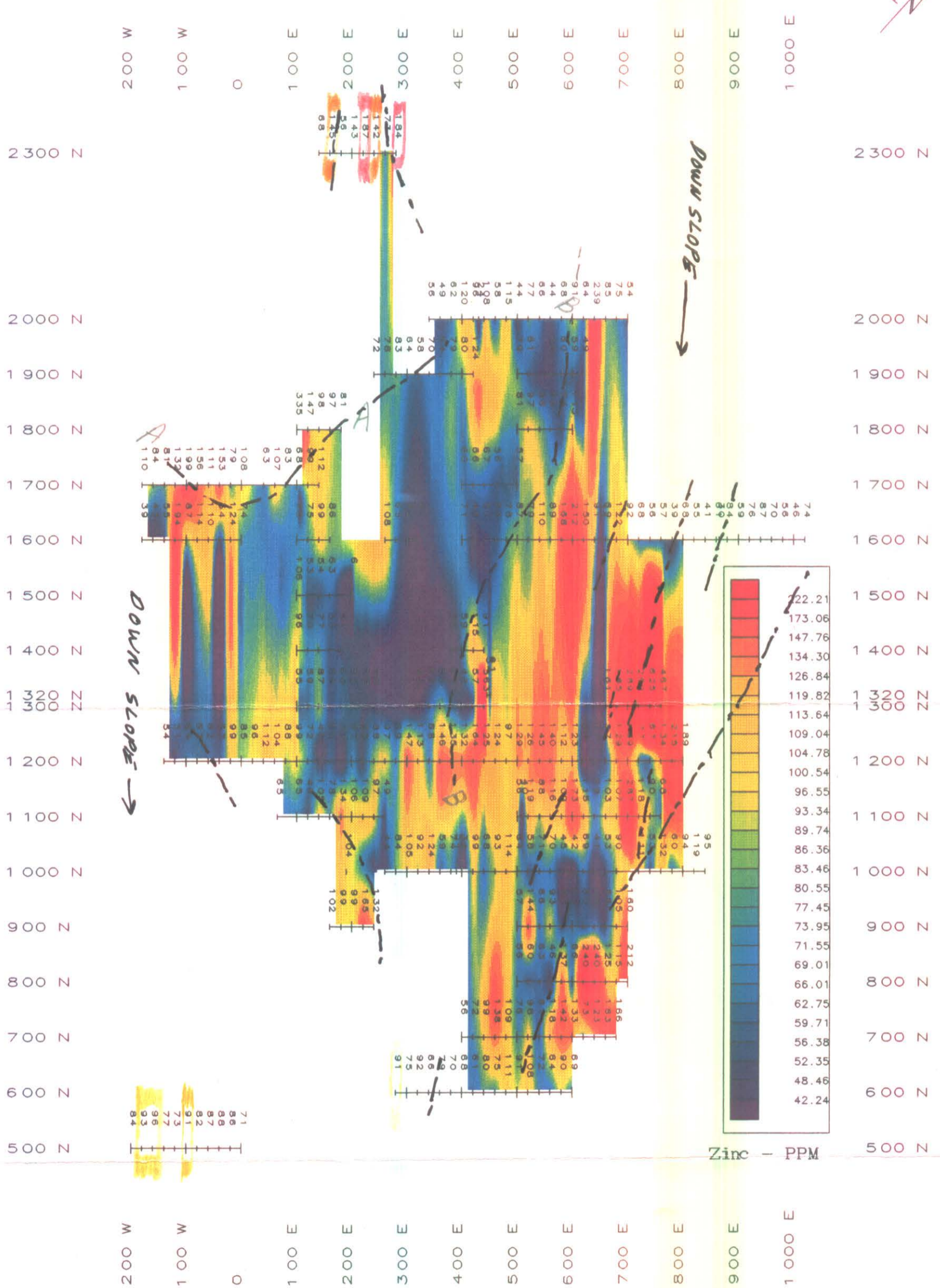
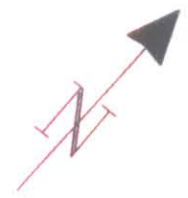


Arsenic - PPM



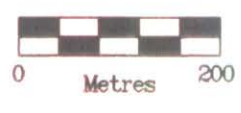
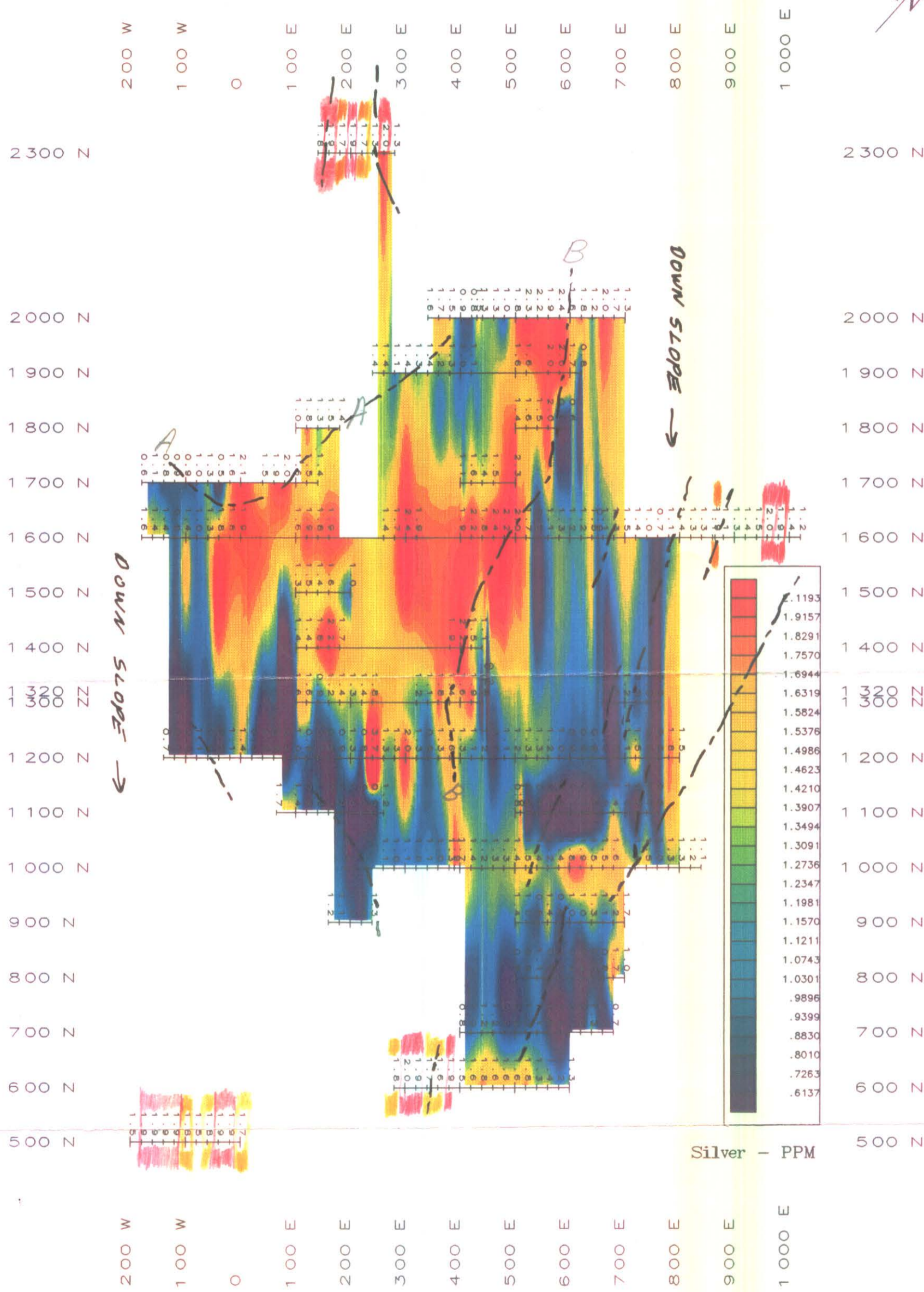
Gary Lee & Dave Hayward	Nina Property	
Arsenic Geochemistry	Omineca, BC Mining District	
	93N/15W	Scale 1:7500
Amerok Geosciences Ltd.	August 16, 1996	

96-23 (2)



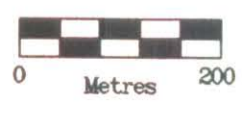
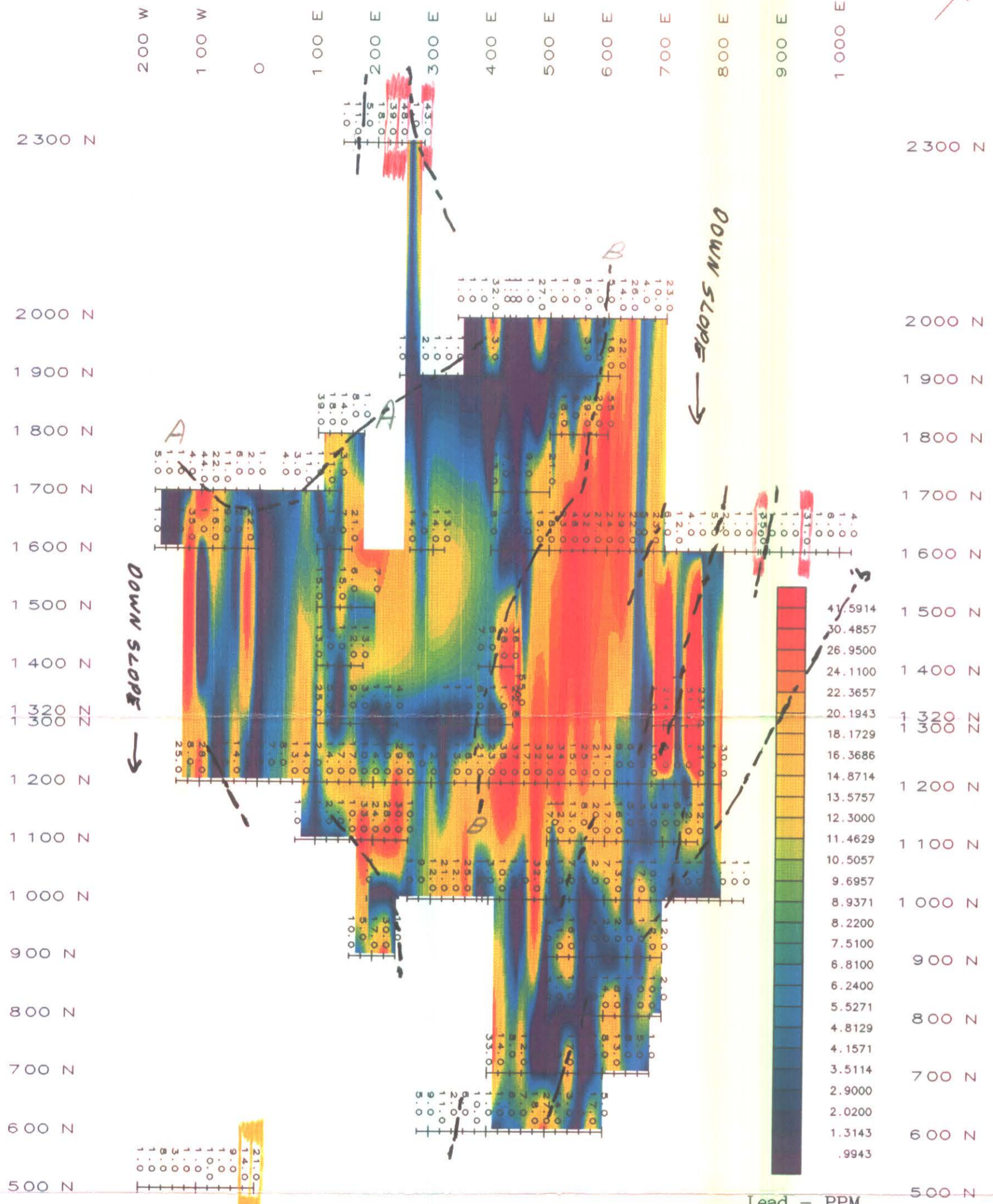
--- VLF CONDUCTOR AXIS

Gary Lee & Dave Hayward	Nina Property	
Zinc Geochemistry	Omineca, BC Mining District	
	93N/15W	Scale 1:7500
Amerok Geosciences Ltd.	August 16, 1996	



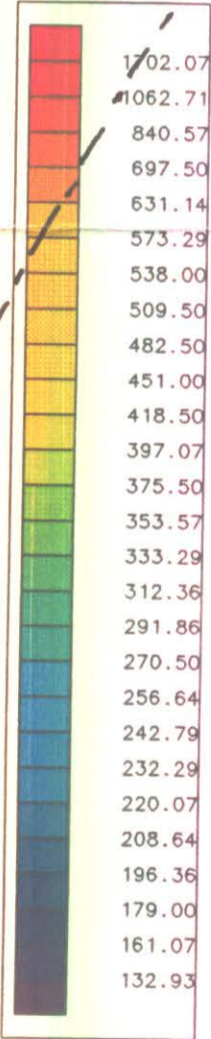
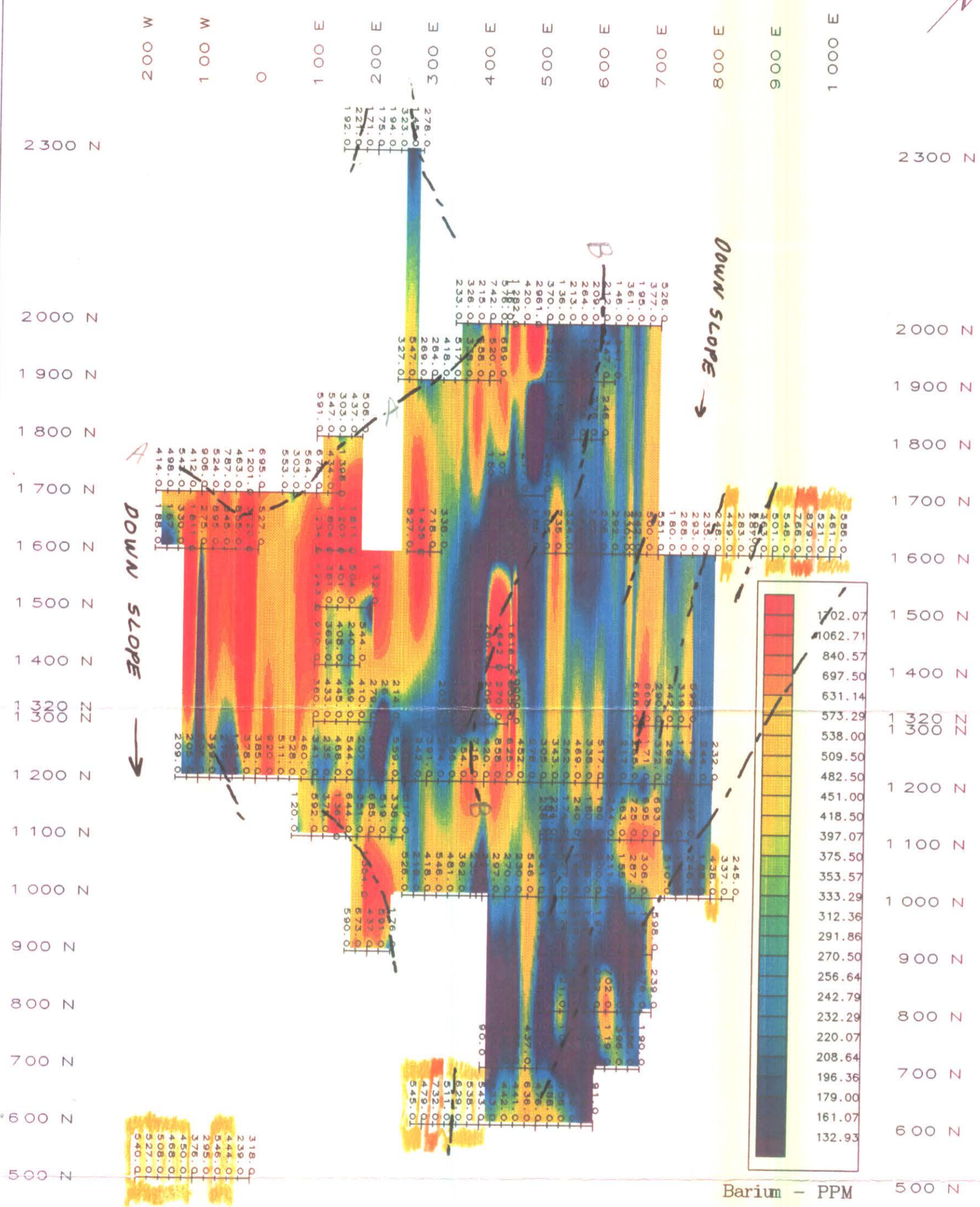
----- VLF CONDUCTOR AXIS

Gary Lee & Dave Hayward	Nina Property	
Silver Geochemistry	Omineca, BC Mining District	
	93N/15W	Scale 1:7500
Amerok Geosciences Ltd.	August 16, 1996	



Gary Lee & Dave Hayward	Nina Property	
Lead Geochemistry	Onineca, BC Mining District	
	93N/15W	Scale 1:7500
Amerok Geosciences Ltd.	August 16, 1996	

96-23 (5)



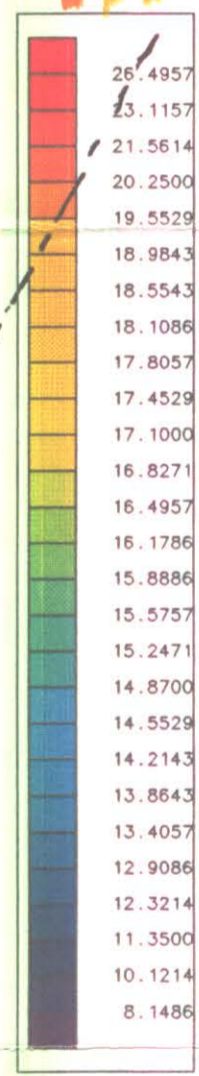
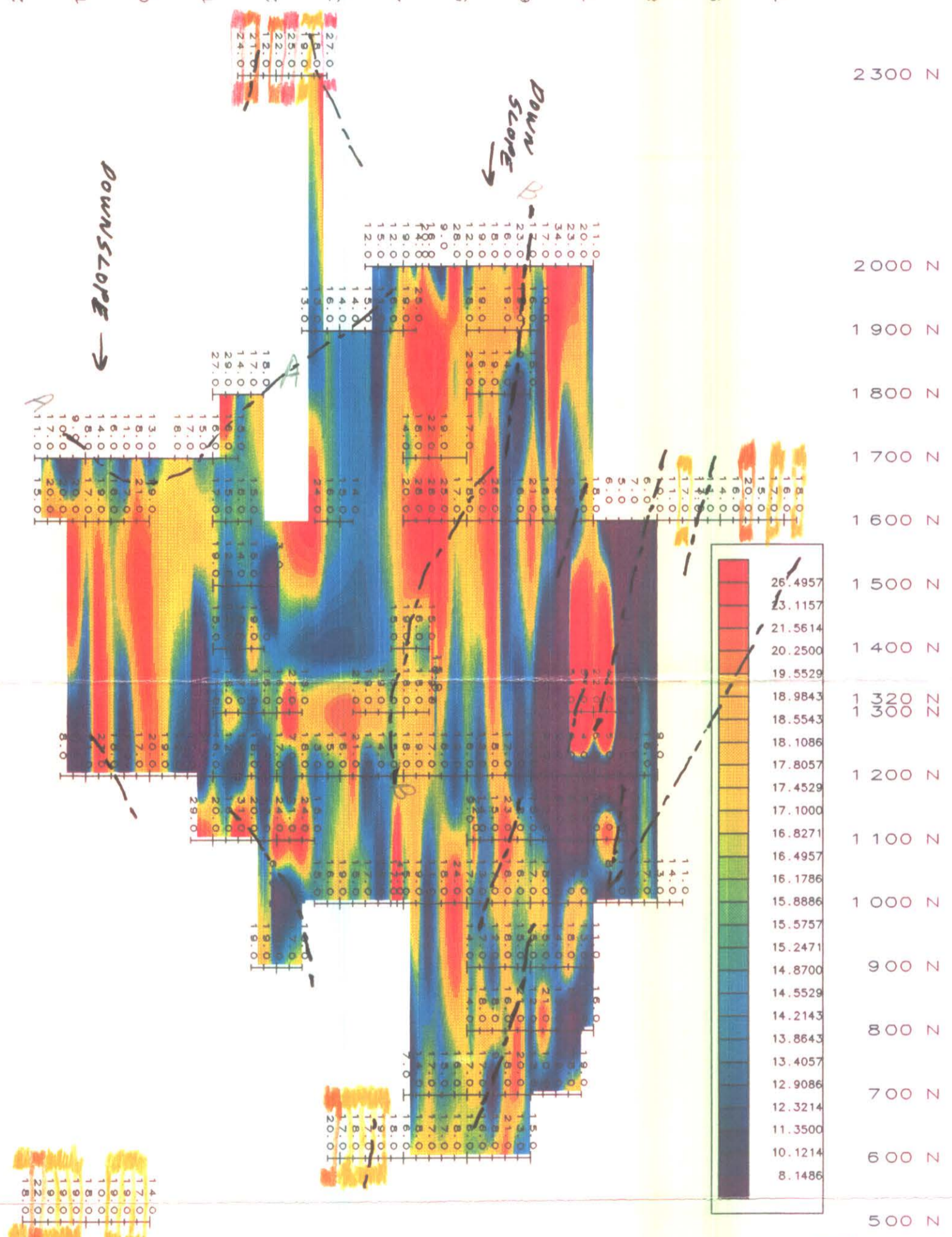
--- VLF CONDUCTOR AXIS

Gary Lee & Dave Hayward	Nina Property	
Barium Geochemistry	Omineca, BC Mining District	
	93N/15W	Scale 1:7500
Amerok Geosciences Ltd.	August 16, 1996	



200 W 100 W 0 100 E 200 E 300 E 400 E 500 E 600 E 700 E 800 E 900 E 1000 E

2300 N 2000 N 1900 N 1800 N 1700 N 1600 N 1500 N 1400 N 1320 N 1300 N 1200 N 1100 N 1000 N 900 N 800 N 700 N 600 N 500 N



Cobalt - PPM

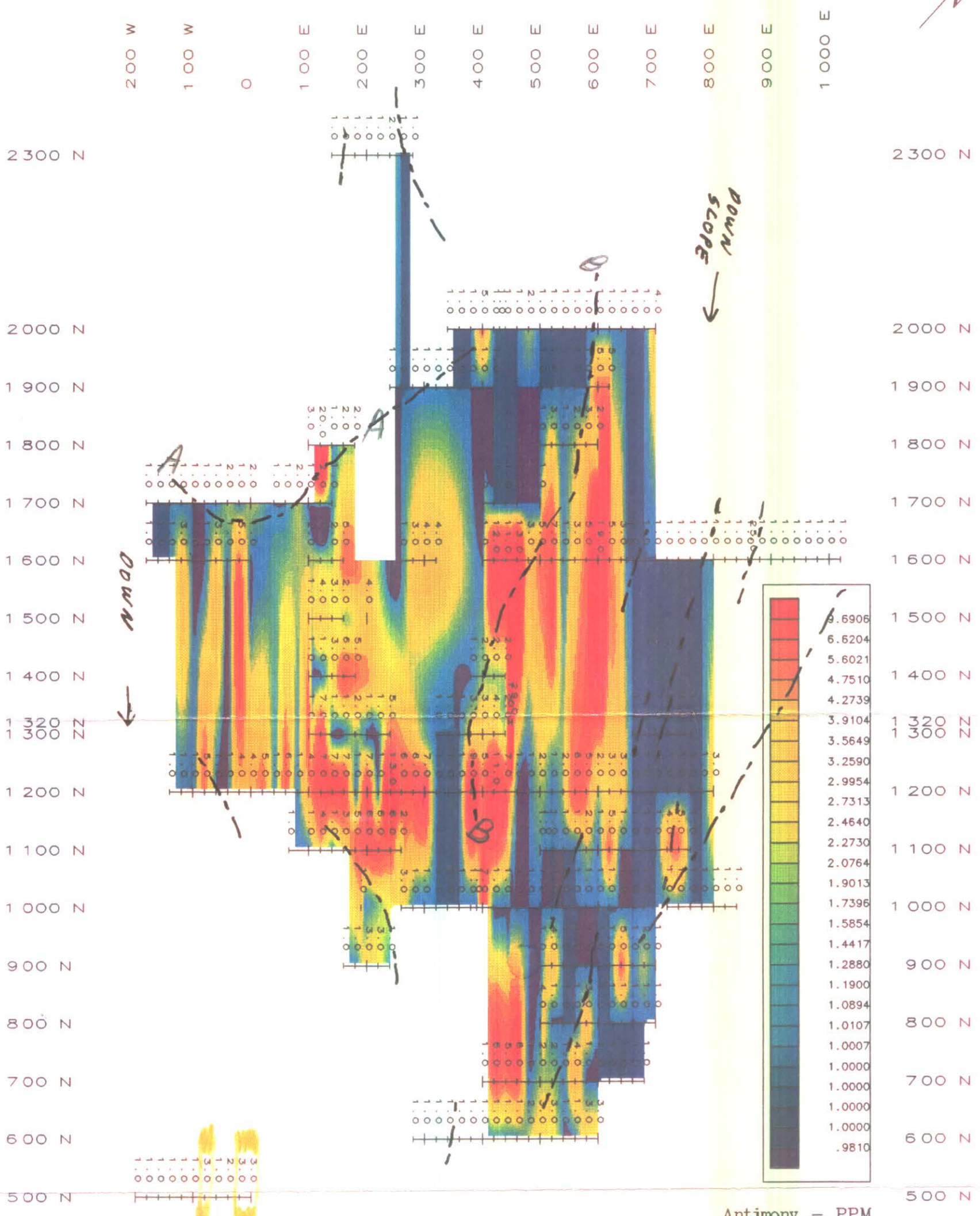
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500 N



--- VLF CONDUCTOR AXIS

Gary Lee & Dave Hayward	Nina Property	
Cobalt Geochemistry	Omineca, BC Mining District	
	93N/15W	Scale 1:7500
Amerok Geosciences Ltd.	August 16, 1996	



Antimony - PPM



--- VLF CONDUCTOR AXIS

Gary Lee & Dave Hayward		Nina Property	
Antimony Geochemistry		Omineca, BC Mining District	
		96N/15W	Scale 1:7500
Amerok Geosciences Ltd.		August 16, 1996	

COMP: DAVE HAYWARD

PROJ:

ATTN: Dave Hayward / Gary Lee

MIN-EN LABS — ICP REPORT

8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8

TEL: (604)327-3436 FAX: (604)327-3423

FILE NO: 65-0050-SJ1+2

DATE: 96/07/30

* soil * (ACT:F31)

Table with 30 columns: SAMPLE NUMBER, AG, AL, AS, BA, BE, BI, CA, CD, CO, CR, CU, FE, GA, K, LI, MG, MN, MO, NA, NI, P, PB, SB, SN, SR, TH, TI, U, V, W, ZN. Rows include sample numbers and their corresponding concentration values for various elements.

COMP: DAVE HAYWARD

PROJ:

ATTN: Dave Hayward / Gary Lee

MIN-EN LABS — ICP REPORT
 8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8
 TEL:(604)327-3436 FAX:(604)327-3423

FILE NO: 6S-0050-SJ7

DATE: 96/07/30

* * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL %	AS PPM	BA PPM	BE PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	GA PPM	K %	LI PPM	MG %	MN PPM	MO PPM	NA %	NJ PPM	P PPM	PB PPM	SB PPM	SN PPM	SR PPM	TH PPM	TJ %	U PPM	V PPM	W PPM	ZN PPM
96NL 2000 440E	1.3	1.83	1	1282	.2	3	.69	.1	16	48	74	3.24	1	.09	14	.87	955	15	.01	33	620	1	1	2	36	1	.11	1	87.3	1	108
96NL 2000 460E	1.3	1.70	1	420	.1	4	.58	.1	9	51	27	2.89	1	.03	14	.82	321	12	.01	27	360	1	1	2	20	1	.11	1	93.3	2	58
96NL 2000 480E	1.0	2.23	1	2961	.4	1	.25	.1	28	31	218	3.62	1	.06	13	.84	990	15	.01	55	310	27	2	2	49	1	.04	1	45.9	1	115
96NL 2000 500E	1.8	1.65	1	370	.1	14	.79	.1	12	40	17	3.10	1	.04	10	.56	271	14	.01	18	210	1	1	2	23	1	.21	1	121.3	3	44
96NL 2000 520E	2.3	2.26	1	136	.2	12	.93	.1	19	65	26	4.61	1	.04	16	1.09	455	17	.01	32	680	1	1	2	20	1	.28	1	138.0	2	77
96NL 2000 540E	2.2	2.22	1	213	.1	19	1.01	.1	18	45	31	4.60	1	.04	11	.97	478	17	.01	28	710	6	1	2	22	1	.31	1	152.9	1	66
96NL 2000 560E	1.9	1.90	1	264	.1	15	1.10	.1	16	64	19	3.93	1	.04	11	.80	349	15	.01	27	400	16	1	2	15	1	.26	1	172.5	3	44
96NL 2000 580E	2.4	2.90	1	209	.2	13	1.17	.1	23	62	39	4.90	1	.03	16	1.25	545	18	.01	39	390	1	1	3	20	1	.26	1	131.7	1	68
96NL 2000 600E	1.6	1.96	1	212	.1	7	.60	.1	17	47	46	4.59	1	.04	13	.87	415	16	.01	37	480	5	1	2	13	1	.19	1	105.6	1	91
96NL 2000 620E	1.8	2.22	1	146	.1	12	.78	.1	17	50	37	4.87	1	.04	12	.85	784	17	.01	29	440	14	1	2	17	1	.24	1	141.6	1	64
96NL 2000 640E	1.2	2.60	1	361	.5	9	1.46	.1	34	59	127	4.30	1	.04	17	1.12	4739	18	.01	72	750	26	1	3	45	1	.14	1	130.8	1	239
96NL 2000 660E	2.0	2.31	1	195	.1	13	1.01	.1	23	62	58	5.64	1	.04	13	.99	680	19	.01	33	670	4	1	3	18	1	.29	1	221.3	2	85
96NL 2000 680E	1.7	2.20	1	377	.2	11	1.35	.1	20	52	65	4.56	1	.04	17	.88	1009	16	.01	32	850	10	1	2	34	1	.21	1	149.1	1	75
96NL 2000 700E	1.3	1.71	1	526	.2	9	.88	.1	11	29	132	3.25	1	.06	9	.38	426	12	.01	23	380	23	4	2	64	1	.12	1	108.9	2	54
96NL 2300 140E	1.8	3.03	1	192	.5	9	1.74	.1	24	68	48	4.63	1	.05	17	1.54	1217	16	.01	37	890	1	1	3	38	1	.21	1	129.8	1	68
96NL 2300 160E	1.9	2.51	1	221	.4	15	.94	.1	21	54	31	3.85	1	.07	17	1.03	946	16	.01	32	960	11	1	2	30	1	.25	1	100.3	1	145
96NL 2300 180E	1.7	1.50	1	171	.1	14	.48	.1	12	30	18	3.21	1	.06	6	.47	619	12	.01	18	1210	5	1	2	17	1	.21	1	90.0	2	56
96NL 2300 200E	1.9	2.56	1	175	.4	13	.59	.1	22	53	46	4.28	1	.05	17	1.11	1138	15	.01	36	1080	18	1	2	24	1	.24	1	131.9	1	143
96NL 2300 220E	1.7	3.08	1	194	.5	16	.48	.1	25	64	143	4.67	1	.06	18	1.34	1463	17	.01	54	1050	39	1	3	38	1	.26	1	170.9	1	187
96NL 2300 240E	1.3	2.15	1	323	.3	9	.46	.1	19	40	110	3.85	1	.10	11	.73	2146	15	.01	36	1650	48	2	2	26	1	.17	1	80.0	1	142
96NL 2300 260E	2.0	2.40	1	145	.3	12	.84	.1	18	50	35	4.42	1	.04	15	1.16	626	16	.01	32	1550	1	1	2	23	1	.23	1	108.9	1	73
96NL 2300 280E	1.3	2.38	1	278	.6	7	.43	.1	27	47	105	4.38	1	.06	15	.89	2356	16	.01	34	1480	43	1	2	26	1	.15	1	84.6	1	184

COMP: DAVE HAYWARD

PROJ:

ATTN: Dave Hayward / Gary Lee

MIN-EN LABS --- ICP REPORT

8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8

TEL:(604)327-3436 FAX:(604)327-3423

FILE NO: 6S-0050-RJ1

DATE: 96/07/30

* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL %	AS PPM	BA PPM	BE PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	GA PPM	K %	LI PPM	MG %	MN PPM	MO PPM	NA %	NI PPM	P PPM	PB PPM	SB PPM	SN PPM	SR PPM	TH PPM	TI %	U PPM	V PPM	W PPM	ZN PPM	Au-fire PPB
96NL 1840 295E	1.5	2.11	162	12	.5	9	1.50	.1	16	170	383	3.08	1	.01	8	1.39	685	15	.02	24	830	1	2	2	5	1	.11	1	57.3	7	103	5
96NL 2300 178E YT	1.4	3.79	1	31	.4	1	1.88	.1	22	12	94	7.25	1	.01	16	2.08	1071	23	.02	16	1460	1	14	5	1	1	.19	1	100.3	1	69	1
96NL 3400 150E PYS	28.8	3.15	410	60	.4	51	1.06	.1	36	109	3260	11.05	1	.02	8	2.50	1171	36	.03	62	550	643	5	7	1	1	.20	1	105.2	7	4796	1255
96NL 3500 050E MS	53.8	.06	1	18	.8	1	.08	.1	21	74	1108	>15.00	1	.01	1	.04	3	64	.01	36	10	19	1	13	1	1	.01	1	12.6	1	568	547
96NL 3500 050E Q	2.4	.90	149	22	.3	46	2.14	.1	17	88	1568	.83	1	.01	6	.31	557	5	.02	16	260	9	8	1	48	1	.17	1	41.0	7	175	3

COMP: MR DAVE HAYWARD

PROJ:

ATTN: Dave Hayward

MIN-KN LABS — ICP REPORT

8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8

TEL:(604)327-3436 FAX:(604)327-3423

FILE NO: 89-0045-S17

DATE: 96/07/16

* * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL %	AS PPM	BA PPM	BE PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	GA PPM	K %	LI PPM	MG %	NH PPM	MO PPM	NA %	NI PPM	P PPM	PB PPM	SB PPM	SN PPM	SR PPM	TH PPM	TJ %	U PPM	V PPM	W PPM	ZN PPM
96NL 1300 140E	.9	2.24	1	445	.1	7	.86	.1	17	59	31	3.60	1	.04	17	.97	549	13	.01	32	610	1	1	2	22	1	.18	1	105.1	3	87
96NL 1300 160E	1.2	1.73	1	459	.1	12	1.30	.1	12	42	19	2.71	1	.03	7	.58	298	9	.01	19	450	9	1	2	20	1	.25	1	123.7	2	54
96NL 1300 180E	1.4	2.20	1	410	.1	14	1.51	.1	16	53	38	3.23	1	.03	8	.77	444	11	.02	27	460	3	2	2	20	1	.26	1	126.1	3	60
96NL 1300 200E	1.3	2.23	1	279	.1	10	1.37	.1	16	46	29	3.52	1	.03	8	.88	462	12	.02	29	750	1	1	2	22	1	.23	1	119.9	2	52
96NL 1300 220E	1.7	2.24	1	283	.1	16	1.52	.1	16	52	25	2.85	1	.02	6	.88	484	11	.02	28	330	7	7	2	17	1	.24	1	108.2	3	39
96NL 1300 240E	1.8	2.19	1	214	.1	17	1.37	.1	18	48	27	3.39	1	.04	7	.91	453	13	.01	28	410	4	5	2	18	1	.26	1	123.9	3	48
96NL 1300 320E	1.2	2.61	1	203	.1	6	1.18	.1	21	123	30	3.94	1	.02	17	1.44	410	14	.02	54	240	1	1	3	22	1	.19	1	140.7	4	43
96NL 1300 340E	1.1	2.26	1	184	.1	1	1.02	.1	19	99	16	4.43	1	.03	15	1.20	443	15	.02	39	650	1	1	3	18	1	.23	1	152.6	4	61
96NL 1300 360E	1.8	2.15	1	133	.1	1	.84	.1	19	82	18	4.34	1	.02	13	.90	368	14	.01	32	330	1	1	3	19	1	.25	1	153.8	4	85
96NL 1300 380E	1.4	1.79	1	184	.1	10	1.00	.1	16	67	11	3.02	1	.02	8	.77	469	11	.02	27	270	8	3	2	12	1	.20	1	117.1	4	61
96NL 1300 400E	1.6	2.13	1	209	.1	14	1.33	.1	18	66	18	3.18	1	.03	9	.92	449	11	.02	32	250	1	3	2	17	1	.24	1	120.4	4	48
96NL 1300 420E	1.9	2.14	1	270	.1	15	1.42	.1	18	73	22	3.20	1	.04	9	.96	445	12	.02	34	250	1	4	2	18	1	.26	1	120.1	4	57
96NL 1300 440E	.5	1.73	1	835	.1	2	.66	.1	19	49	42	4.01	1	.05	15	.47	1194	13	.01	32	420	22	2	2	19	1	.12	1	105.3	3	363
96NL 1300 660E	.1	4.05	1	668	.1	1	.82	.1	54	303	143	7.01	1	.07	37	3.05	5127	24	.01	178	400	1	1	5	42	1	.10	1	121.4	7	161
96NL 1300 680E	.5	3.59	1	868	.1	1	1.43	.1	57	347	177	6.47	1	.07	32	3.55	3783	21	.01	184	730	1	1	5	73	1	.12	1	129.4	8	185
96NL 1300 700E	1.2	1.32	1	290	.1	1	.48	.1	22	48	70	3.13	1	.13	12	.83	857	14	.01	55	440	214	1	2	25	1	.01	1	31.6	1	289
96NL 1300 720E	.9	2.71	60	442	.1	1	.53	.1	47	194	41	4.77	1	.06	29	2.72	1653	19	.01	96	520	1	1	4	25	1	.12	1	106.4	4	262
96NL 1300 740E	1.0	1.06	1	319	.1	1	.24	.1	10	19	32	2.56	1	.10	9	.44	438	14	.01	28	1030	51	1	1	21	1	.01	1	26.0	1	625
96NL 1300 760E	.3	1.12	1	595	.1	1	.34	.1	12	16	20	2.42	1	.13	8	.32	1093	10	.01	18	860	231	1	1	27	1	.01	1	20.9	1	467
JACKARD	1.0	2.24	1	57	.1	1	1.07	.1	21	51	51	4.07	1	.03	15	1.27	590	14	.01	37	580	1	1	3	28	1	.15	1	122.5	1	43

JUL-10-1996 14:04

MIN-KN LABS

804 327 3423

P.07

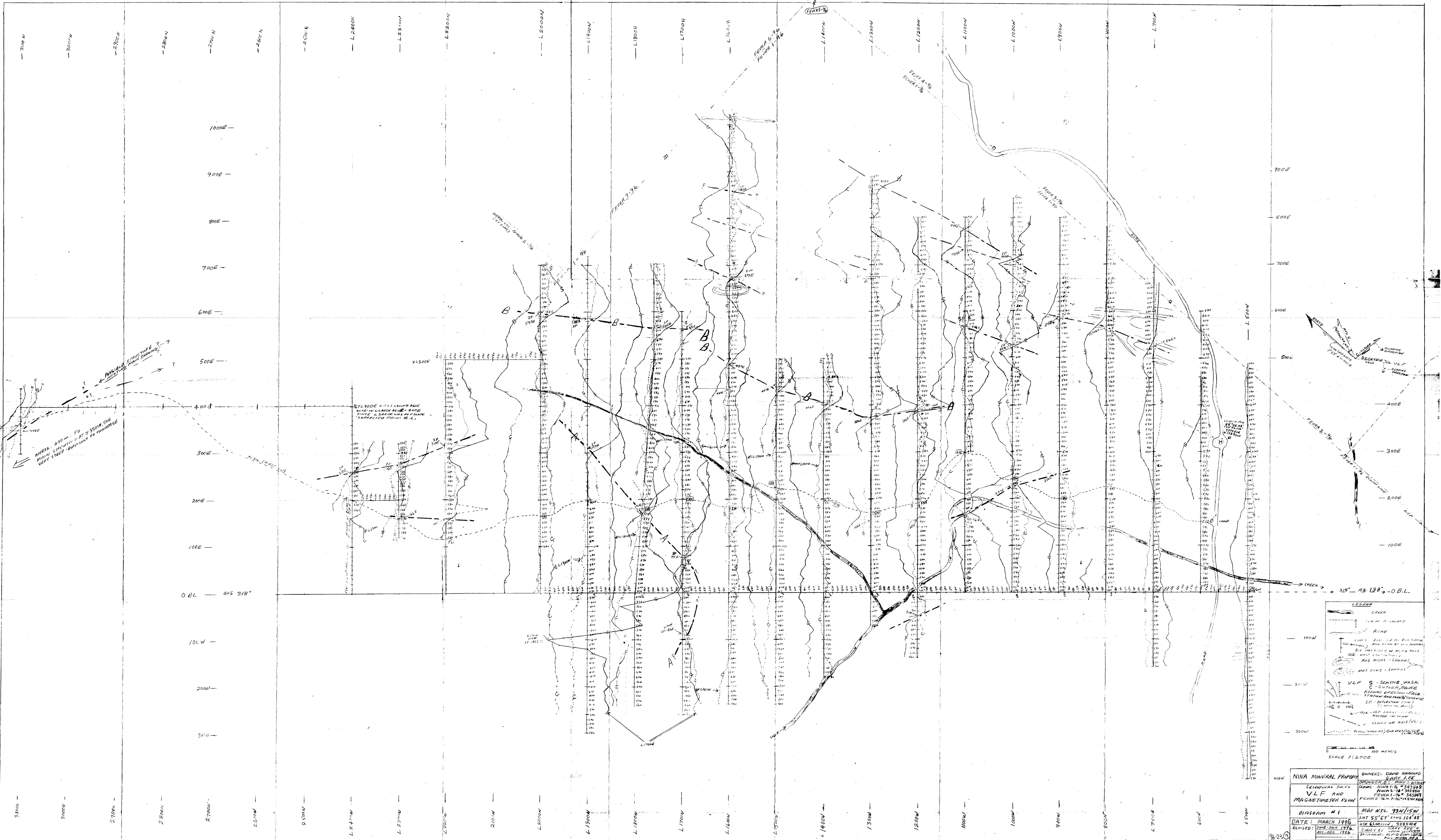
Rock.

COMP: MR DAVE HAYWARD
 PROJ:
 ATTN: Dave Hayward

MIN-EN LABS — ICP REPORT
 8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8
 TEL: (604)327-3436 FAX: (604)327-3423

FILE NO: 6S-0045-RJ1
 DATE: 96/07/16
 * * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL %	AS PPM	CA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	GA PPM	K %	LI PPM	MG %	MN PPM	MO PPM	NA %	NI PPM	P PPM	PB PPM	SB PPM	SN PPM	SR PPM	TH PPM	TI %	U PPM	V PPM	W PPM	ZN PPM	
96NL 850 620E	2.8	3.87	1	109	.1	17	1.85	.1	31	40	799	9.29	1	.06	7	3.10	1574	25	.02	31	900	1	1	7	23	1	.40	1	224.1	1	149
96NL 1000 190E	.6	1.07	117	1354	.1	1	.10	.1	6	63	23	1.85	1	.10	12	.80	199	8	.01	25	390	1	1	1	49	1	.01	1	10.7	2	104
96NL 1000 390E	1.9	3.24	1	95	.1	7	3.76	.1	41	50	52	6.67	1	.02	18	2.97	1213	20	.03	37	710	1	1	5	2	1	.34	1	220.0	1	54
96NL 1000 400E	1.7	2.09	1	31	.1	9	2.54	.1	15	67	46	2.49	1	.02	2	.95	417	12	.08	21	400	3	7	2	8	1	.18	1	79.2	4	34
96NL 1075 180E	.8	.09	41	82	.1	1	.02	.1	1	182	13	.34	4	.04	2	.02	29	5	.01	7	10	1	1	1	2	1	.01	1	8.4	10	6
96NL 1100 0165E	1.7	2.63	1	120	.1	7	1.63	.1	29	27	62	5.04	1	.01	4	1.91	772	16	.03	47	640	1	1	4	18	1	.26	1	99.3	1	65
96NL 1100 510E	1.8	2.52	1	183	.1	12	2.43	.1	22	80	46	3.38	1	.01	2	1.51	517	12	.07	40	660	1	1	2	6	1	.24	1	99.1	2	40
96NL 1200 190W	2.1	2.75	30	86	.1	15	3.26	.1	12	76	84	2.10	1	.01	7	1.04	346	11	.03	18	780	3	15	2	9	1	.17	1	100.2	5	20
96NL 1307 210DE	1.7	3.02	1	60	.1	7	3.04	.1	26	22	59	5.30	1	.01	3	1.33	759	18	.03	28	640	1	1	4	1	1	.21	1	124.0	1	64
96NL 1300 220L	1.4	3.46	22	26	.1	1	1.99	.1	27	150	64	4.74	1	.04	12	3.06	867	17	.04	52	400	1	1	4	10	1	.16	1	96.7	1	52
96NL 1320 445F	.2	1.55	1	229	.1	1	.13	.1	10	135	117	3.88	1	.60	15	1.31	381	14	.01	33	330	1	1	3	31	1	.05	1	179.3	6	54
96NL 1320 451E	.2	2.76	1	>10000	.2	2	.35	.1	15	75	105	1.98	1	.04	2	.15	478	9	.01	35	410	55	29	1	94	1	.01	1	38.1	4	61
96NL 1500 200E	1.0	.72	31	132	.1	5	1.07	.1	3	179	4	.67	4	.01	2	.12	126	4	.01	7	100	7	4	1	29	1	.03	1	19.9	10	6
96NL 1600 650E	.9	.61	1	477	.1	2	.06	.1	3	83	21	1.49	1	.12	4	.19	131	8	.01	11	200	5	1	1	13	1	.02	1	12.2	5	30
96NL 1600 865E	1.9	2.44	1	50	.1	11	5.25	.1	13	86	17	2.31	1	.01	3	.50	281	12	.01	20	380	35	25	1	1	1	.12	1	69.8	6	30
96NL 2000 430E	1.5	1.77	69	116	.1	8	.49	.1	20	100	54	2.79	1	.06	7	1.03	890	11	.03	35	440	1	1	2	13	1	.14	1	50.3	5	24
96NL 2020 430E	2.4	2.24	1	208	.1	24	1.34	.1	41	105	393	4.73	1	.11	10	1.74	1446	18	.06	67	740	1	1	4	11	1	.30	1	93.4	2	49
JACKAROD	.9	.97	1	39	.1	8	.72	.1	13	151	143	2.95	1	.12	5	.30	98	32	.10	49	320	7	1	2	40	1	.13	1	171.1	10	23



3100N
3000N
2900N
2800N
2700N
2600N
2500N
2400N
2300N
2200N
2100N
2000N
1900N
1800N
1700N
1600N
1500N
1400N
1300N
1200N
1100N
1000N
900N
800N
700N
600E
500E
400E
300E
200E
100E
0 RL
100W
200W
300W

900E
800E
700E
600E
500E
400E
300E
200E
100E
0 RL
100W
200W
300W

71,400E INT. 1000' PACE
NORTH L. 1800W 840E 900E
2000' L. 1800W 840E 900E
CORRECTED FROM B.S.L.

LEGEND

— CREEK

— ROAD

VLF S - SENTER, WASH.
C - CUTLER, MAINE
RECORDS: SENTER - 1918
STATION AND RANGE RECORDS
S.P. - INTERFER. SIGN.
L - 1918 - VLF STATION
MAPS ON PLAN
COUNT OR AXIS (VLF)

NINA MINERAL PROPERTY

OWNERS: DAVID HAWKINS
DAVID A. JEE

GEOMETRIC SURVEY
VLF AND
MAGNETOMETER PLAN

DIAGRAM #1

DATE: MARCH 1976
REVISED: JUNE-JULY 1976
REV. DEC. 1976

MAP NTS. 93N/15W
LAT 55°57' AND 124°48'
UTM 520000E 988500E
NAD 83 - 74 543843
SOUTH OF WINDY HOLLOW
FURNACE, N.H. DISTRICT

SCALE 1:2000