NINA and FEVER MINERAL CLAIMS

GEOPHYSICAL AND GEOCHEMICAL SURVEY

by

Gary C. Lee, P.Eng.

Report:	December 1996
Fieldwork:	June/September 1996
Revised Report:	October 1997
Fieldwork:	July 1997

	Claim Name	Grant Numbers
1996 staking:	NINA 1-96	343848
	NINA 2-96	343850
	FEVER 1-96	343849
	FEVER 2-96 to 7-96	347694 to 347699, incl.
1997 staking:	NINA 3	355241
	NINA 4	355201
	FEVER 8	355202
	FEVER 9-16	355213-355220
	FEVER 17-22	355248-355253

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: Re-SUBMIT OCT./98

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SUMMARY

The original discovery of copper north of Nina Lake was found by the Geological Survey of Canada (G.S.C.) by Roots in the 1940s.

The next discovery (northeast of the G.S.C. showing) 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 summers of 1996 and 1997. Some interesting geophysical anomalies (VLF) were encountered. Also, the geochem soil sampling yielded some unexplained anomalies (e.g. soils running 300-400 ppm copper). 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 1500 east, past the volcanics into the sediments.

INTRODUCTION

General

In 1996, line cutting, followed by a magnetometer and VLF survey, was started on the NINA-FEVER claim group. In addition, from July 13 to July 28, 1997 (excluding mobilization and demobilization) myself (the writer) and Mr. Dave Hayward extended the grid easterly. Both magnetometer and VLF surveys were completed, including some general prospecting. Since the target is massive sulphides (Cu, Au), the prospecting target was sulphide outcrop or float.

The claims consist of the NINA 1-96 (16 units), NINA 2-96 (15 units), NINA 3 (14 units), NINA 4 (14 units), FEVER 1-96 (16 units), FEVER 8 (4 units) and 20 two-post claims, for a total of 99 units. The claim boundaries can be seen on the 1:20,000 topo map on page 4 and partly on the 1:2,000 VLF and magnetometer plan contained in the pocket.

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

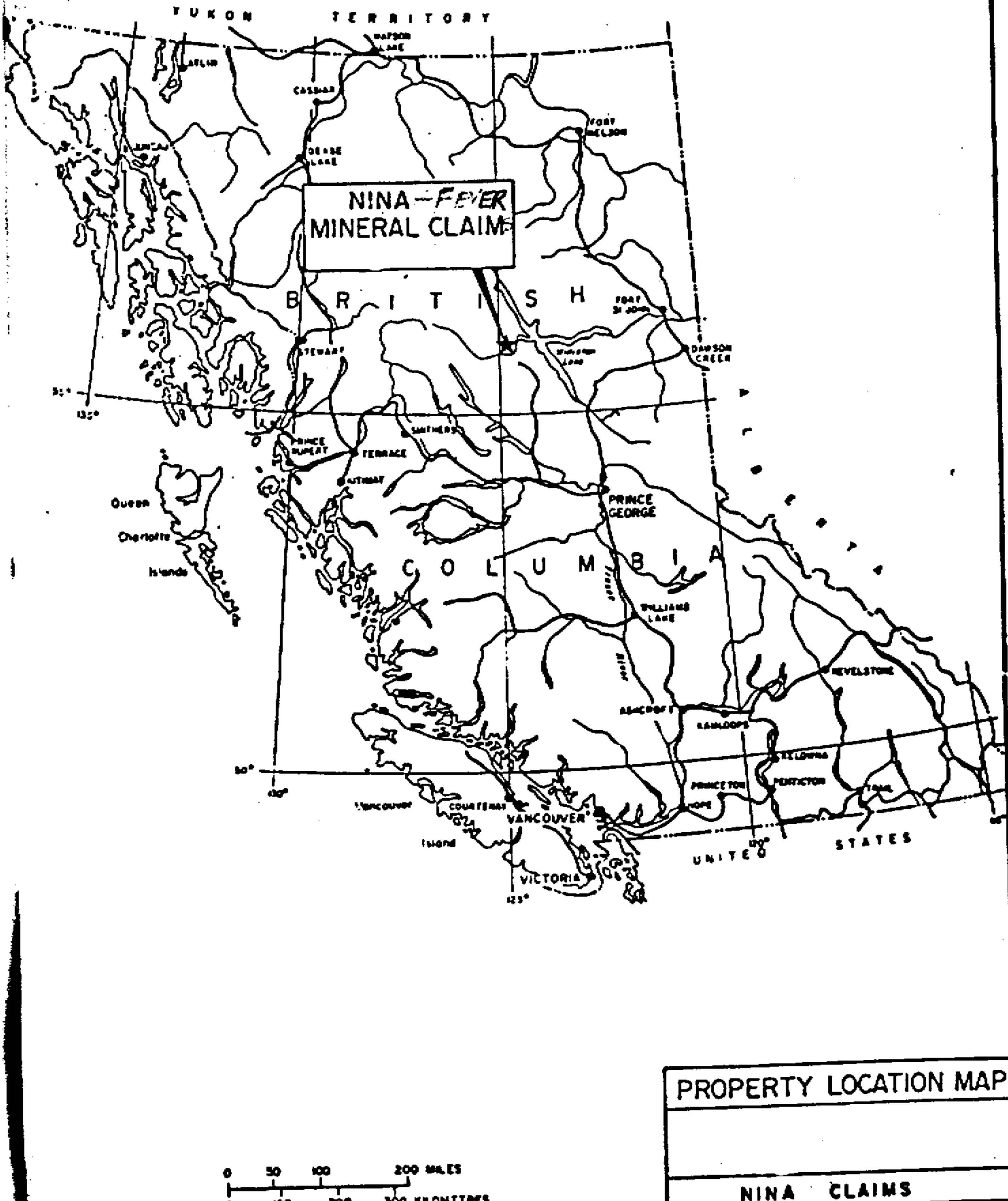
Location and Access

The property is located in 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 14.5 km to the property. Approximately 7.5 km up this road it is necessary to turn left and cross a small creek flowing out of Nina Lake. The road cuts through the southeast portion of the property (see map, page 4).

Topography

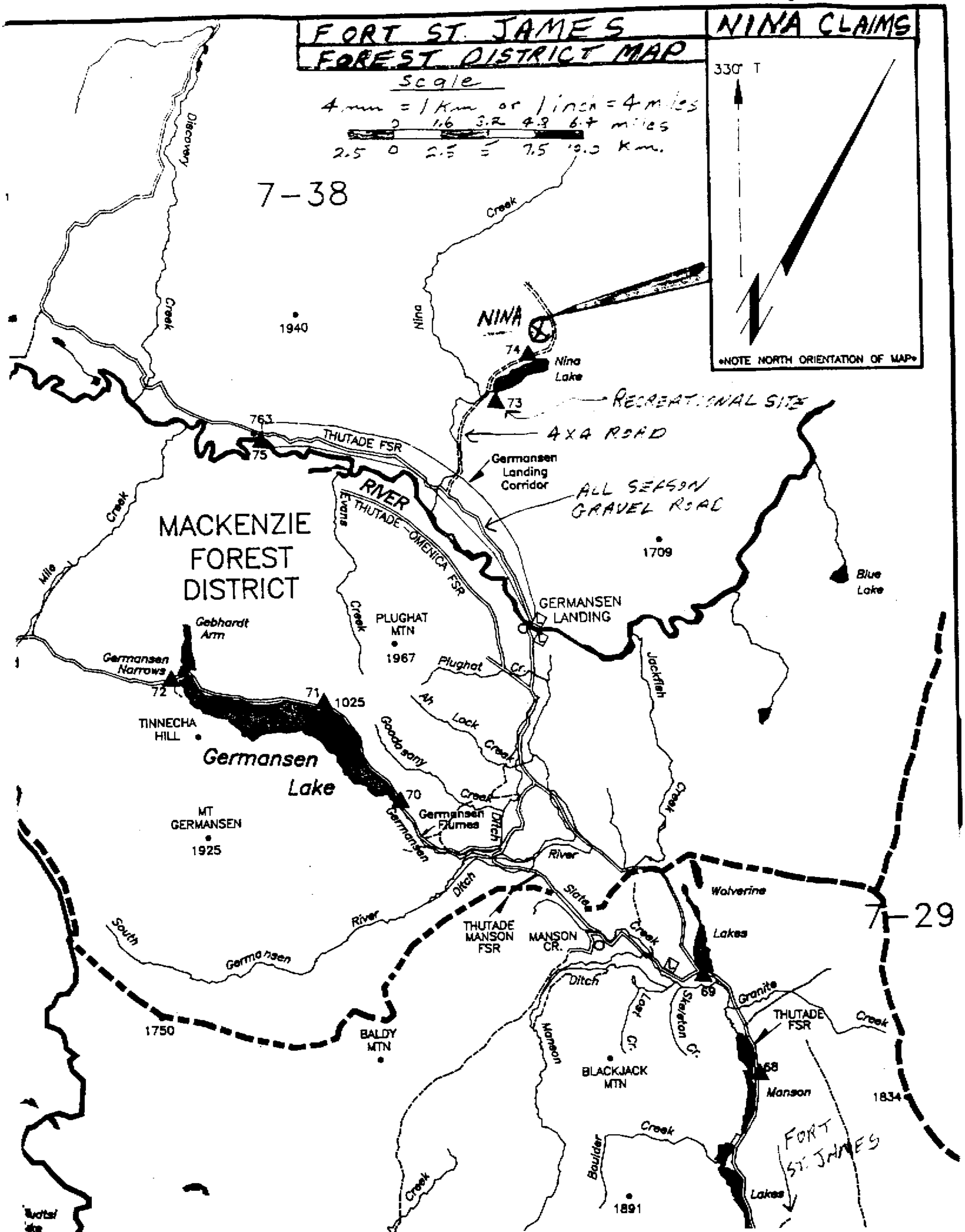
The property ranges in elevation from 940 metres to 1800 metres. Vegetation is typical of a relatively mature evergreen forest common to north-central B.C. with trees thinning out above the 1600 metre elevation. Most of the FEVER claims are easily traversed by foot; however, parts of the NINA claims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

The photos on page 5 show the steep topography (lower two photos) versus the more easily traversed country (top two photos) of the FEVER claims.

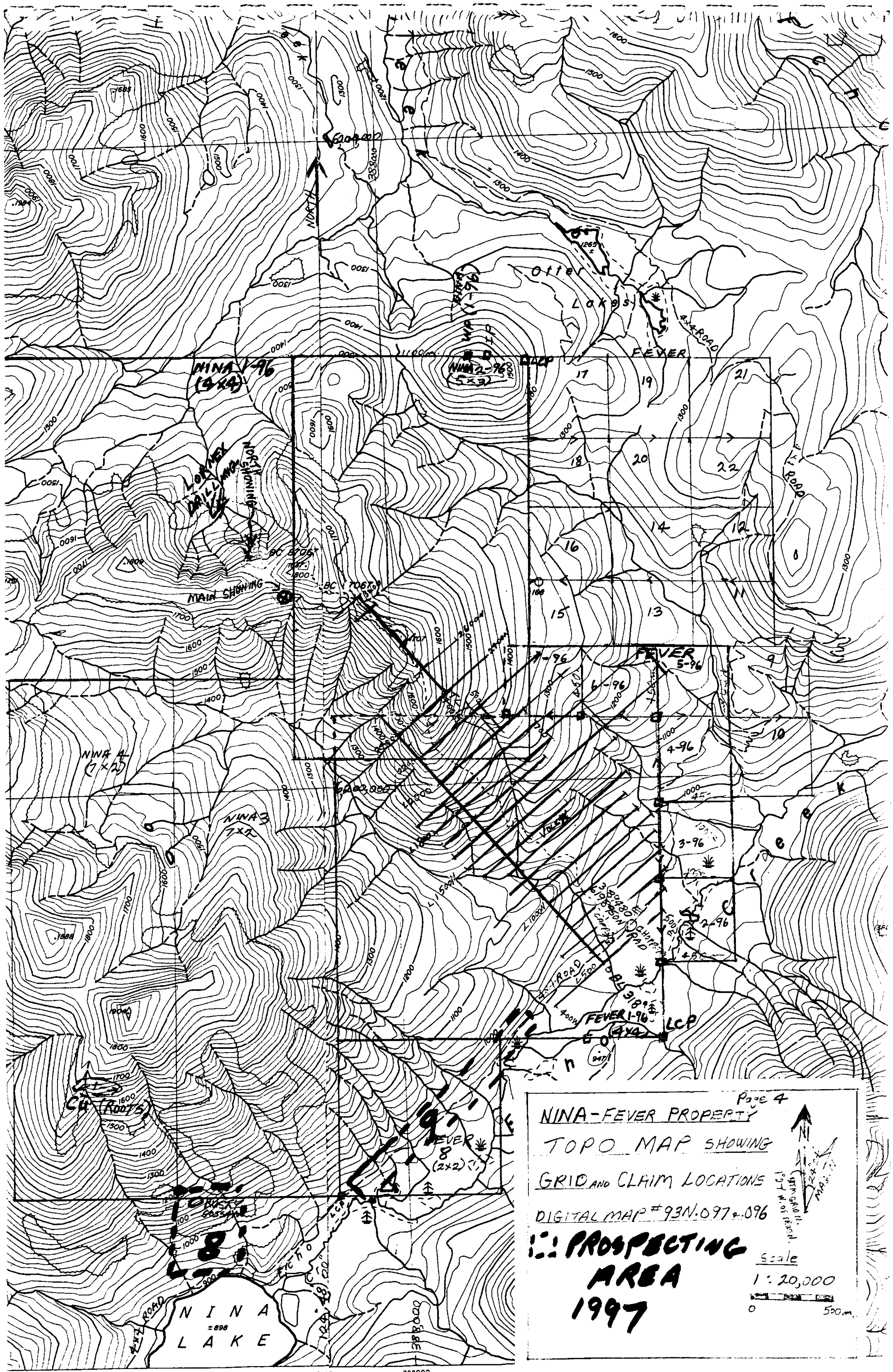


PROPERTY LOCATION MAP

NINA CLAIMS

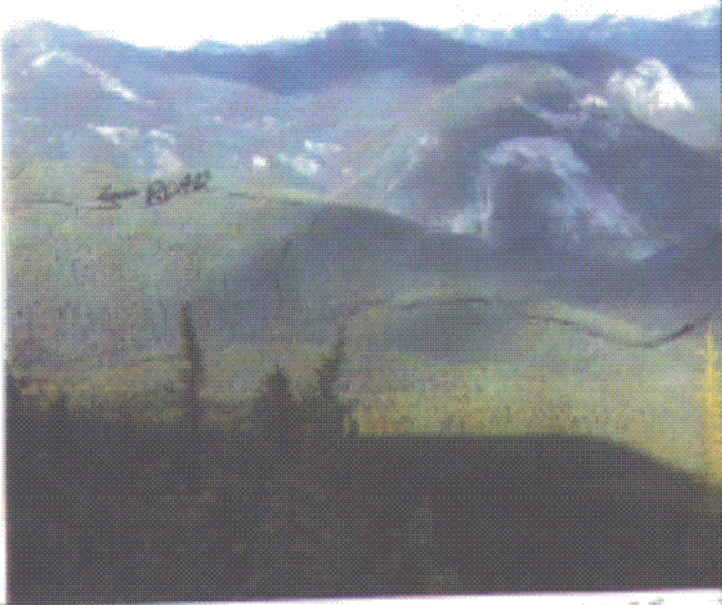


FORT ST. JAMES
FOREST DISTRICT MAP
Scale
4 mm = 1 Km or 1 inch = 4 miles
0 1.6 3.2 4.8 6.4 miles
2.5 0 2.5 5 7.5 10.0 Km.
NINA CLAIMS
330° T
•NOTE NORTH ORIENTATION OF MAP•
7-38
7-29
NINA
Nina Lake
RECREATIONAL SITE
4 X 4 ROAD
ALL SEASON GRAVEL ROAD
Germansen Landing Corridor
THUTADE FSR
RIVER
THUTADE-OMENICA FSR
GERMANSEN LANDING
MACKENZIE FOREST DISTRICT
Gebhardt Arm
Germansen Narrows
TINNECHA HILL
Germansen Lake
MT GERMANSEN
1925
PLUGHAT MTN
1967
Plughat Cr.
Ah Lock Creek
Goodosany
Germansen Flumes
Ditch
River
Slate Creek
THUTADE MANSON FSR
MANSON CR.
Wolverine Lakes
Granite Creek
THUTADE FSR
Manson Lakes
BLACKJACK MTN
BALDY MTN
South Germansen River
Discovery Creek
Nina
Creek
Evans Creek
Mile Creek
Jackfish Creek
Lost Cr.
Skeleton Cr.
Manson
Boulder Creek
Blue Lake
FORT ST. JAMES
1940
1709
1025
1750
1834
1891
763
75
74
73
72
71
70
69
68



Page 4
NINA-FEVER PROPERTY
TOPO MAP SHOWING
GRID AND CLAIM LOCATIONS
DIGITAL MAP #93N.097 & 096
PROSPECTING AREA 1997
Scale
1 : 20,000
0
500 m.
NINA 1-96 (4x4)
NINA 2-96 (5x3)
NINA 4 (7x2)
NINA 3 7x2
FEVER
FEVER 1-96 (4x4)
FEVER 8 (2x2)
MAIN SHOWING
NORTH SHOWING
LORNEX DRILLING
Otter Lakes
NINA LAKE
4x4 ROAD
NORTH
LCP

NINA MINERAL PROPERTY



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)

History

In the 1940s, Roots (Geological Survey of Canada) found a copper showing on a south-facing ridge at an elevation of about 5,500 feet, approximately 1.25 miles due north of Nina Lake.

(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, six kilometres of induced polarization survey were performed. In 1988, 224 metres of BGK wireline diamond drilling in three holes from three set-ups were performed. This was conducted in the north half of the NINA 1-96 claim (see map, page 4) 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.

As seen on the mineral occurrence map, numerous Zn, Pb, Ag, Ba and one Ge showing were discovered along the east boundary and north of the area surveyed.

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 4 and the 1:2,000 map contained in the pocket. Roughly 18 km of baseline and lines were flagged in 1996. An additional 5 km were established in 1997.

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 the Seattle station. In 1997, Seattle was by far the most useful station.

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.

In 1996, 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 costs of the lab analyses. 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 eight colour-contoured geochemistry maps contained in the Appendix. These 1996 geochem maps are included in this report for reference purposes.

No geochemical sampling was done in 1997.

Areas prospected are shown on the map contained in the pocket and on the 1:20,000 map on page 4.

ECONOMIC GEOLOGY

The first known mineral occurrence on the property was found by the G.S.C. (Roots) in the 1940s. The location is shown on G.S.C. map 907A published in 1948 and has been roughly plotted on the enclosed 1:20,000 topo map and the 1:50,000 mineral occurrence map. It is described by Roots as a "mineralized zone at least eight feet wide, containing malachite, pyrite, and minor azurite. It lies in a 200 foot band of sheared, carbonatized, silicified and pyritized interbedded argillite and andesite. This mineralized zone is broken by many faults and is veined by quartz. A grab sample assayed 4.83% copper. This showing is exposed in only a few outcrops."

The following was taken from B.C. Assessment Report no. 13,977 by Watkins and Atkinson, 1985 - refer also to map on page 10:

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 100º to 140º, 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.

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 mineralization*
2. *disseminated sulphide mineralization*

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 lab reports in the Appendix]. *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).

The 1:50,000 geology map (Ferri, 1990) on page 12 well documents the sediments on the eastern part of the survey area. However, the volcanics which are well documented by Watkins and noted by us are not clearly defined due to excessive overburden.

As seen on the mineral occurrence map (page 13), the area to the east and north of the survey area hosts many Zn, Pb, Ag and Ba showings, with one Ge showing. Many of these are in sedimentary rocks east of the volcanic-argillite contact. It is the volcanic argillite contact which is considered favourable for a volcanic massive sulphide (V.M.S.) deposit.

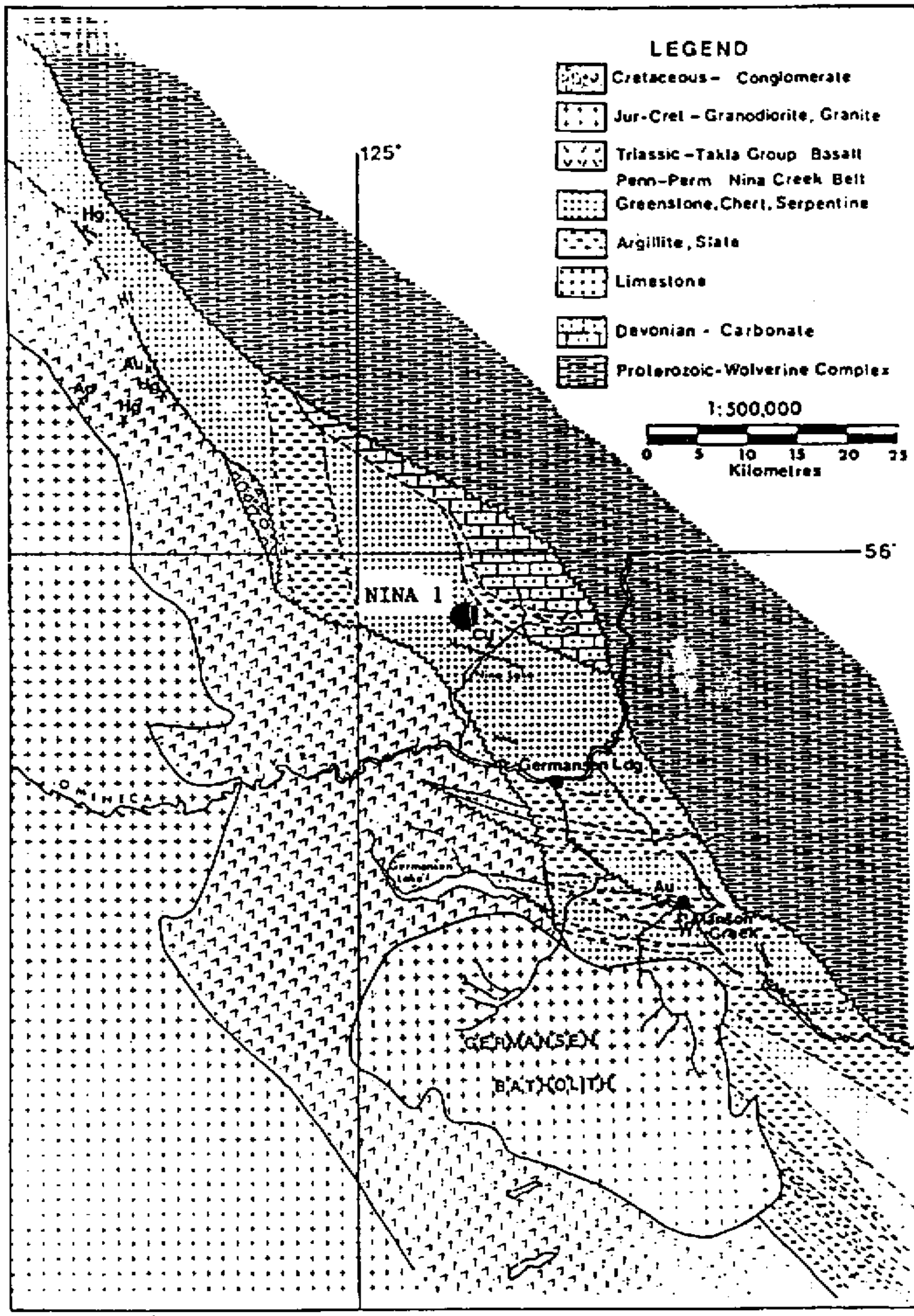
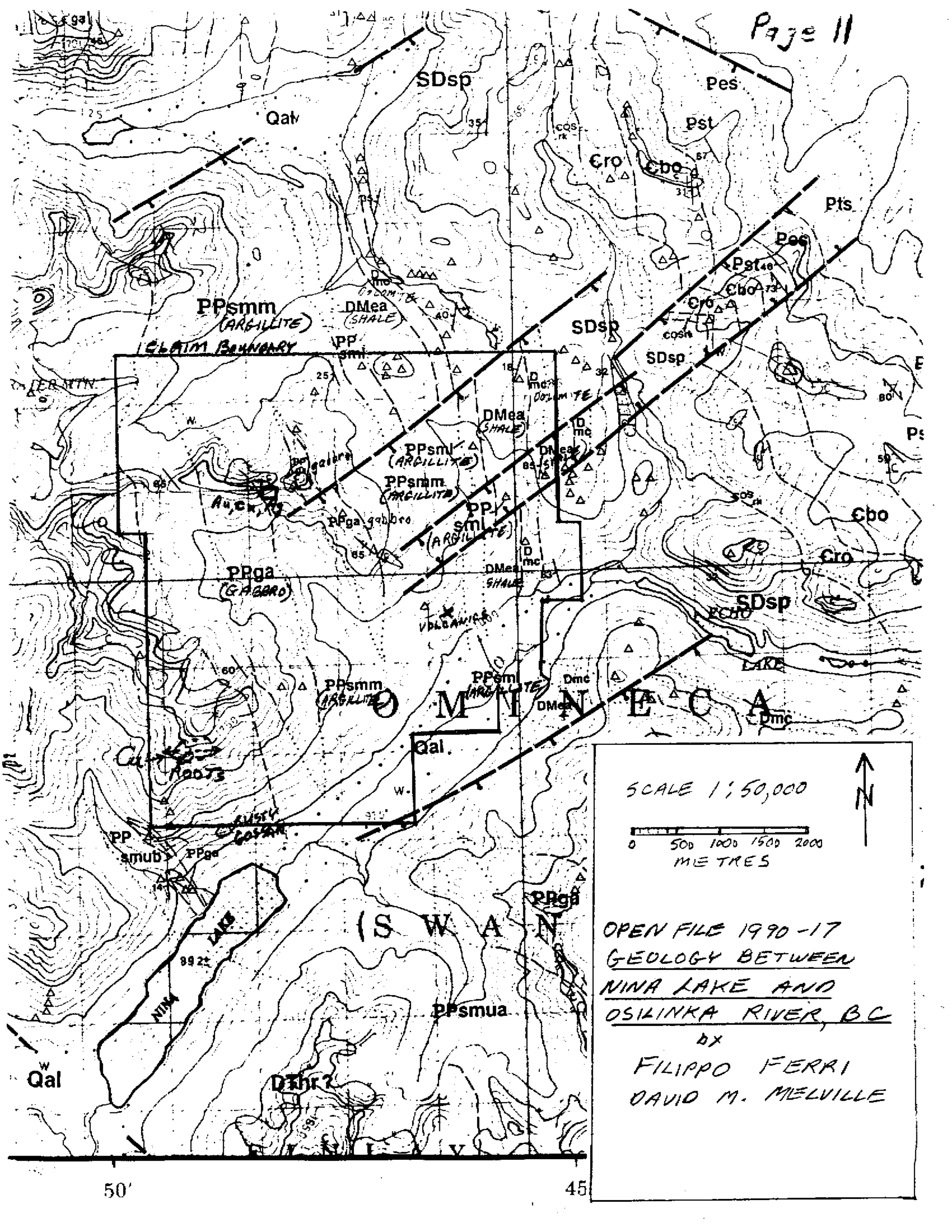
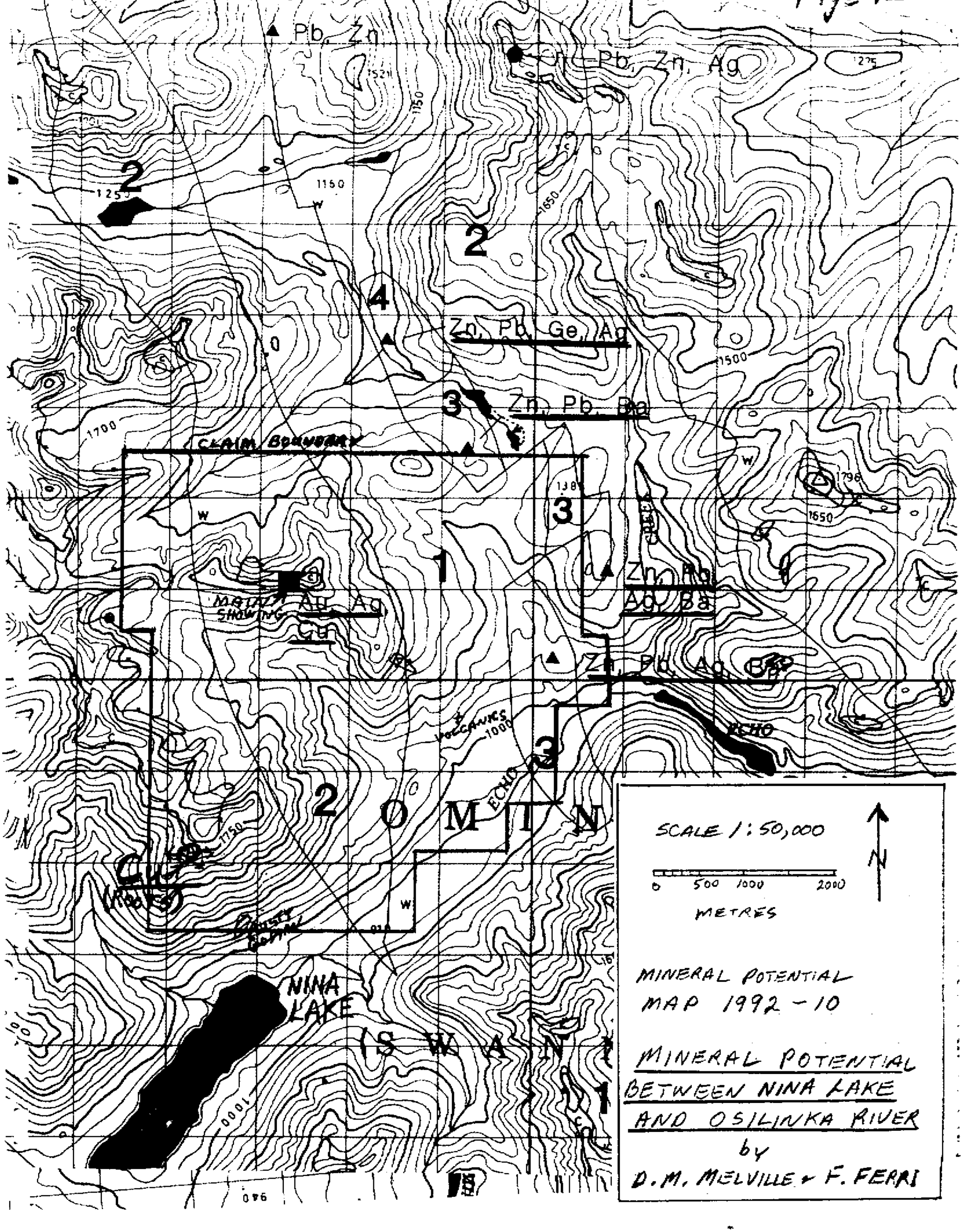


Figure 4. Geology of the Nina 1 claim area (from Armstrong, 1949 and Roots, 1954).

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


SDsp
Pes
Qal
Pst
Cro
Cbo
Pts
Poc
PPsmm
(ARGILLITE)
DMea
(SHALE)
CLAIM BOUNDARY
PP sml
DOLOMITE
PPsml
(ARGILLITE)
Au, Cu, Pb
PPga gabbro
PPga
(GABBRO)
VOLCANICS
ECHO
LAKE
PPsmm
(ARGILLITE)
O M I N E C A
Dmc
Qal
Cu
ROOTS
RUSTY GOSSAN
PP smub
PPga
NINA LAKE
(S W A N
PPsmua
DThr?
SCALE 1:50,000
0 500 1000 1500 2000
METRES
N
OPEN FILE 1990-17
GEOLOGY BETWEEN
NINA LAKE AND
OSILINKA RIVER, BC
by
FILIPPO FERRI
DAVID M. MELVILLE
50′
45


Pb, Zn
Pb, Zn, Ag
2
2
4
Zn, Pb, Ge, Ag
3
Zn, Pb, Ba
CLAIM BOUNDARY
3
1
Zn, Pb
Ag, Ba
MATTY SHOWING
Au, Ag
Cu
Zn, Pb, Ag, Ba
VOLCANICS
ECHO
3
2 O M T N
Cu
NINA LAKE
S W A N
1
SCALE 1:50,000
0 500 1000 2000
METRES
N
MINERAL POTENTIAL
MAP 1992-10
MINERAL POTENTIAL
BETWEEN NINA LAKE
AND OSILINKA RIVER
by
D.M. MELVILLE & F. FERRI

PURPOSE

In 1996, it was attempted 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.

In 1997, the geophysical grid was extended easterly, the purpose being to detect more anomalies which may indicate buried sulphides.

However, because of the extreme difficulty in attracting mineral exploration investment in British Columbia, it was decided to spend half the time prospecting for a massive sulphide occurrence, the reason being that a massive sulphide (Au, Cu) occurrence would generate some interest in the property - see Journal on page 18 for details.

RESULTS

The 1996 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.

The 1997 mag. and VLF results are shown on the 1:2,000 map contained in the pocket.

INTERPRETATION AND CONCLUSIONS

The best prospecting results were found in a chunk of 8-inch float discovered at 850N, 620E, containing 799 ppm Cu. This float was first discovered in 1996 and subsequent prospecting in 1997 yielded nothing of interest due to the extent of the overburden. Some andesitic float laced with Py was found in the creek at 2020N, 430E containing 393 ppm Cu during the 1996 program. Prospecting here (Area 7) in 1997 was disappointing since the source could not be located.

Prospecting continued in 1997 around the interesting outcrop discovered in 1996 immediately north of L1300N, 450E consisting of a felsic volcanic (rhyolite?) with visible pyrite and anomalous in copper (over 100 ppm), gold (0.02 g/tonne) and Ba. These rock analyses are included on the last few pages in the Appendix as sample numbers 96N L1320 445E and 451E and 97N L1320 450E. This is important since approximately 120 metres grid south there are copper soil anomalies of over 300 ppm near conductor B on line 1200N. This area should receive some more sophisticated geophysics, followed by drilling. There is suspicious "dog leg" in the creek between L1100N and 1200N. This offset (approximately 200 metres) could indicate a fault which could mean that the conductor axis on L1100N 566E, L1000N 527E, L900N 585E, L800N 566E and L700N 525E is actually conductor B which has been faulted grid east. If this is the case, conductor B has a strike length of 1.3 km.

Even though the Zn, Pb, Ag and Ba showings to the east are interesting, the main thrust of this program is to look for buried V.M.S. deposits along the buried volcanic argillite contact (exact location unknown).

As can be seen on the VLF and Magnetometer plan, two conductors (A and B) were detected (1996), 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. The 1997 program yielded only one more significant conductor intersecting lines L18, 19, 20 and 2200N between 710E and 748E. With only two lines extending past 1000E, there is insufficient data here.

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.

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 coincident with a VLF anomaly (conductor B?) began to develop on lines 700N and 800N between 500E and 600E, the cause of which is unknown. It could be significant because of the piece of volcanic float found at 850N, 620E running 799 ppm copper.

Gold was not tested for in 1996, due to lack of funds. For the same reason, no geochemistry was done in 1997.

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. Extend all lines between L 1000N and L 2200N to at least 1500E 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 axes could be surveyed by a more sophisticated EM system in order to ascertain its quality.

5. Depending on the foregoing, any one or a combination of trenching and drilling could commence, especially on L1200N near 400E.

NINA and FEVER MINERAL CLAIMS

1996 VALUE OF ASSESSMENT WORK
Geophysical and Geochemical Survey
(Rates as per personal communication with T. Kalnins, 1995)

FIELD

Engineer: 29 days @ $350/day	$10,150.00
Technicians (geophysical and geochemical):	
: 23 - 2 man-days @ $225/man-day	$10,350.00
: 12 - 1 man-days @ $225/man-day	$2,700.00
Mag. and VLF rental: 29 days @ $50/day	$1,450.00
Living allowance: 87 man-days @ $60/day	$5,220.00
Trucks (4x4): 2 trucks (25 days + 18 days) = 43 days x $70/day	$3,010.00
Supplies, pickets, flagging, thread, tags, batteries, etc:	$500.00
ATV: 8 days @ $100/day	$800.00
Chainsaw: 6 days @ $35/day	$210.00
Subtotal:	**$34,390.00**

LAB

Min-En Labs - geochem: July 16, 1996	$1,582.53
Min-En Labs - geochem: July 31, 1996	$1,431.93

COMPUTER

Amerok Geosciences - geochem colour contouring - August 17, 1996	$321.00

OFFICE

Data reduction, drafting and report composition - 7 days x $350/day	$2,450.00
Report typing	$75.00
Report reproduction (sepias, colour copying, etc.)	$320.00
Total	**$40,570.46**

Application:

NINA and FEVER claims (53 units):	
3 yrs @ $100/yr/unit = $5300 x 3:	$15,900
2 yrs @ $200/yr/unit = $200 x 53 x 2:	$21,200
5 years total	$37,100

NINA and FEVER MINERAL CLAIMS

1997 VALUE OF ASSESSMENT WORK
Geophysical and Geochemical Survey
(Rates as per personal communication with T. Kalnins, 1995)

FIELD

Engineer: 18 days @ $350/day	$ 6,300.00
Technicians (geophysical and geochemical): 18, 1-man-days @ $225/man-day	4,050.00
Mag. and VLF rental: 18 days @ $50/day	900.00
Living allowance: 36 man-days @ $60/day	2,160.00
Trucks (4x4): 18 days x 2 trucks @ $70	2,520.00
Supplies, pickets, flagging, thread, tags, batteries, etc:	200.00
ATV: 7 days @ $100/day	700.00
Chainsaw: 4 days @ $35/day	140.00
Subtotal:	**$16,970.00**

LAB

Min-En Labs - geochem: August 13, 1997	46.65

OFFICE

Data reduction, plotting, drafting and report composition - 5 days x $350/day	1,750.00
Report typing	$75.00
Report reproduction (sepias, colour copying, etc.)	250.00
Total	**$19,091.65**

1997 JOURNAL - GEOPHYSICS AND PROSPECTING

[Prospecting areas are marked on maps (page 4 and in pocket) as Areas 1 to 9]

July 13	Prospect northeast of Nina Lake north of road (see map page 4, Area 9).
July 14	Prospect east of 850N, 620E (Area 3) where 8-inch piece of float was found containing 799 ppm Cu. (MAP IN POCKET)
July 15	Pick up supplies at Germansen Landing, phone Bob Lane and Jamie Pardie, and arrange property visit. Prospect area 4 north of camp
July 16	Prospect Area 7 in headwaters of small creek - looking for source of andesitic rocks laced with Py containing 393 ppm Cu.
July 17	Chaining, flagging and VLF L1600N, 1000E-1500E, TL1000E, 1600N-1800N.
July 18	Chain, flag and VLF L2000N, 700E-1060E, L1800, 700E-1000E.
July 19	Chain, flag and VLF L2200, 500E-1000E, L1900N, 700E-820E, and prospect in area.
July 20	Prospect Area 6 in small creek valley north of trail.
July 21	Prospect Area 2 (see map in pocket) in area of conductor B above high Cu geochem.
July 22	Prospect Area 8 below rusty area and well below roots showing north of Nina Lake. (SEE MAP Pg 4)
July 23	(A.M.) Show Bob Lane and Jamie Pardie felsic outcrop (rhyolite?) laced with Py containing 100 ppm Cu, located at 1320N, 450E (Area 1). PM EXCATATE THESE OUTCROPS
July 24	Mag. L1500, 1600, 1800, 2000 and TL1000 and TL1500. Brush and flag L1800, 1000-1500 and TL1500, 1800N-1600N.
July 25	Chain, flag and VLF L2400N, L2600N and L2800N.
July 26	Chain, flag and VLF L1600N, 1000E-1500E, L1500, 500E-1000E, L1400, 500E-566E, and TL1500E, 1600-1800N.

July 27 Prospect reddish-brown gossan above Nina Lake (Area 8).

July 28 Prospect L1500N around 600E (Area 5); found argillite with Py along partings.

All of the above comprise 2 man-days, plus two more days for Mob and Demob.

BIBLIOGRAPHY

Ferri, F., Melville, D. Geology Between Nina Lake and Osilinka River, B.C." Open File 1990-17.

Melville, D., Ferri, F. "Mineral Potential Between Nina Lake and Osilinka River." Mineral Potential Map 1992-10.

Armstrong, J.E., 1946.. Geological Survey of Canada. Map 907A (shows roots Cu showing).

Watkins and Atkinson, 1985. "Geology of the Nina Claim." B.C. Assessment Report 13977.

Watkins and Atkinson, 1985. "Geology of the Fever Claim." B.C. Assessment Report.

LEE G.C. 1996 "NINA & FEVER MINERAL CLAIMS GEOPHYSICAL & GEOCHEMICAL SURVEY" B.C. ASSESSMENT REPORT

STATEMENT OF QUALIFICATIONS

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 Lee

Gary C. Lee, P.Eng.

Date: Oct/98

A P P E N D I X

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

(12) - Page 1 Appendix

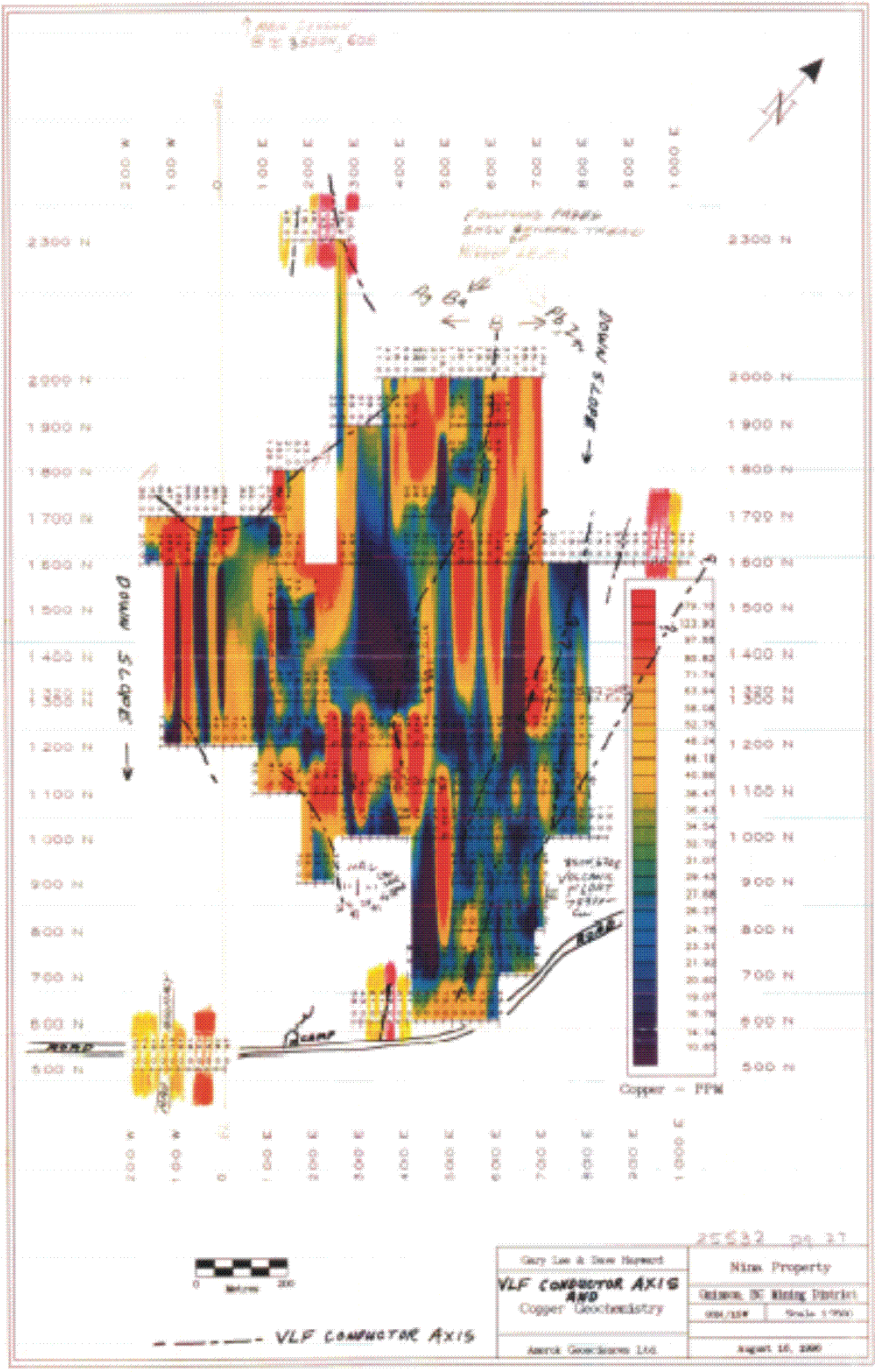
Table 1

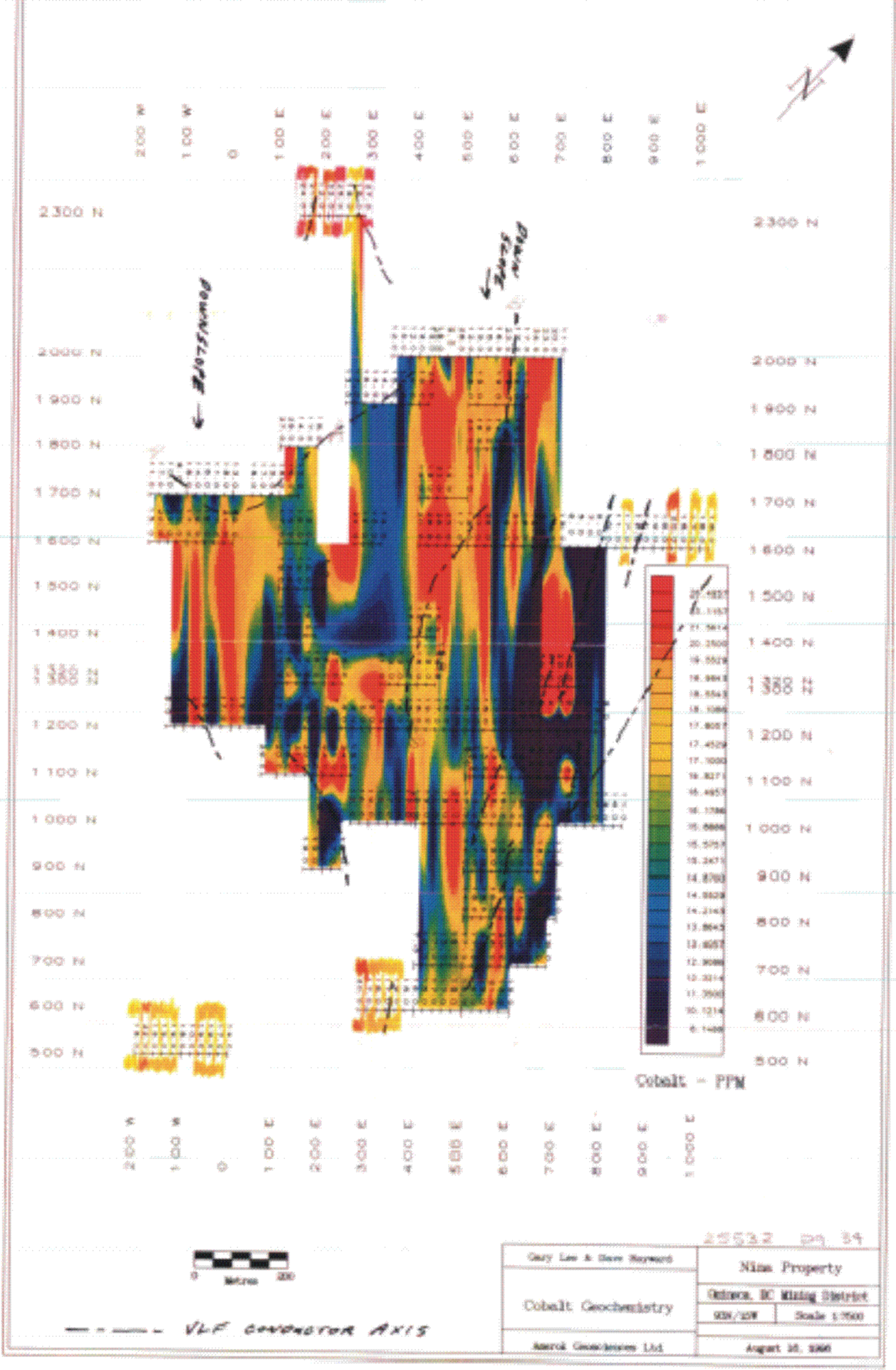
SEE 1:20,000 TOPO MAP Pg 5
FOR LOCATION OF SHOWINGS

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	146.5	6.90	8			
D3006	0.17	0.01	0.01	9.5	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

* Sample collected on July 23 during initial property examination


Gary Lee & Dave Heyward
VLF CONDUCTOR AXIS
AND
Copper Geochemistry
Nina Property
Copper - PPM
VLF CONDUCTOR AXIS
Metres
0
200
ROAD
DOWN SLOPE
25532 pg 27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100 W
0
100 E
200 E
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400 E
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600 E
700 E
800 E
900 E
1000 E
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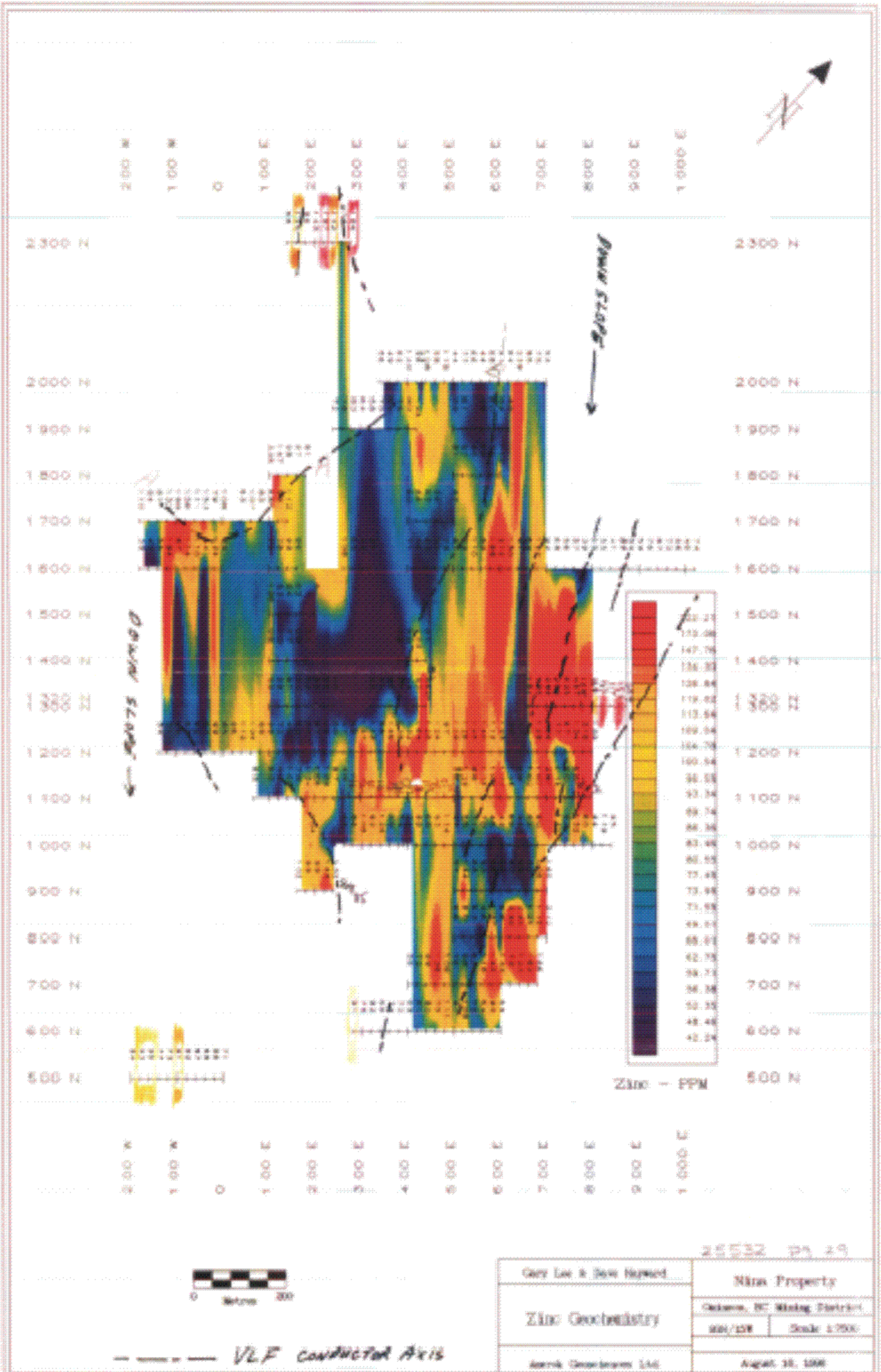
2000 N
1900 N
1800 N
1700 N
1600 N
1500 N
1400 N
1200 N
1100 N
1000 N
900 N
800 N
700 N
600 N
500 N
Cobalt - PPM
0
Metres
200
VLF CONDUCTOR AXIS
25532 pg 34
Gary Lee & Dave Hayward
Cobalt Geochemistry
Nina Property
Scale 1:7500



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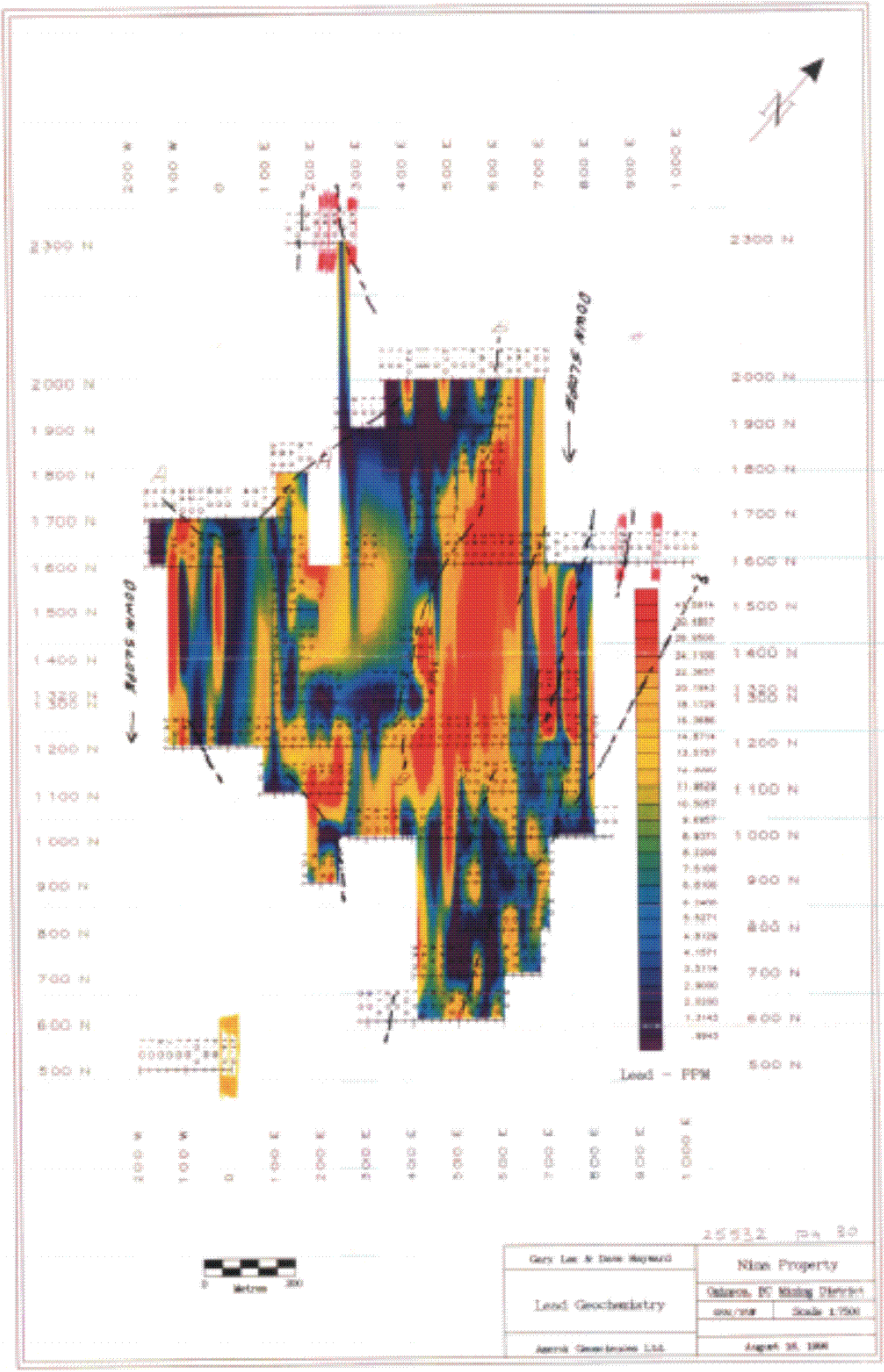
100 W
0
100 E
200 E
300 E
400 E
500 E
600 E
700 E
800 E
900 E
1 000 E
2 300 N
2 000 N
1 900 N
1 800 N
1 700 N
1 600 N
1 500 N
1 400 N
1 300 N
1 200 N
1 100 N
1 000 N
900 N
800 N
700 N
600 N
500 N
DOWN SLOPE
DOWN SLOPE
Zinc - PPM
0
Metres
200
VLF CONDUCTOR AXIS
Zinc Geochemistry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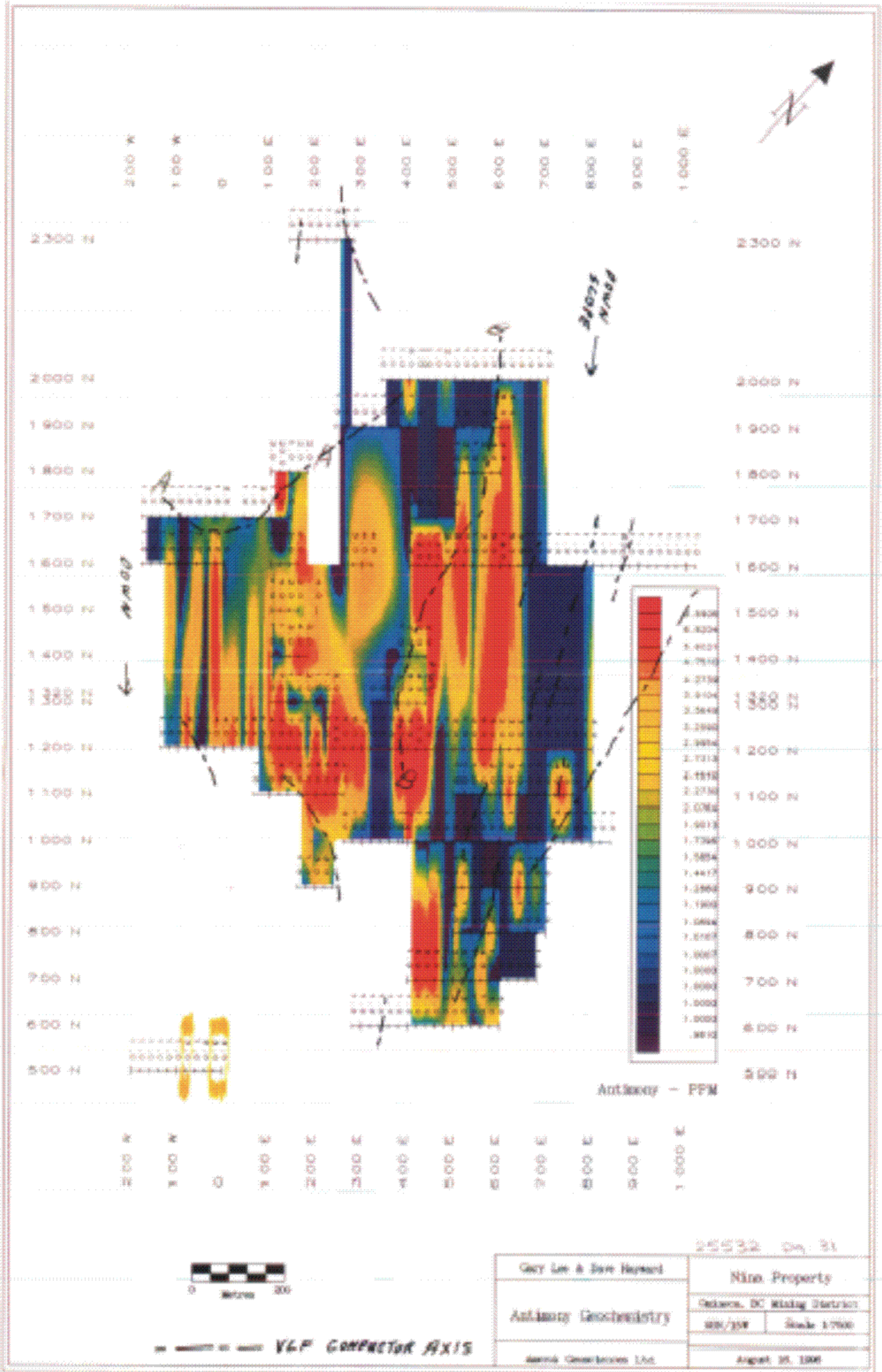
1900 N
1800 N
1700 N
1600 N
1500 N
1400 N
1320 N
1300 N
1200 N
1100 N
1000 N
900 N
800 N
700 N
600 N
500 N
A
A'
DOWN SLOPE
Lead - PPM
0
Metres
200
25532
pg 30
Lead Geochemistry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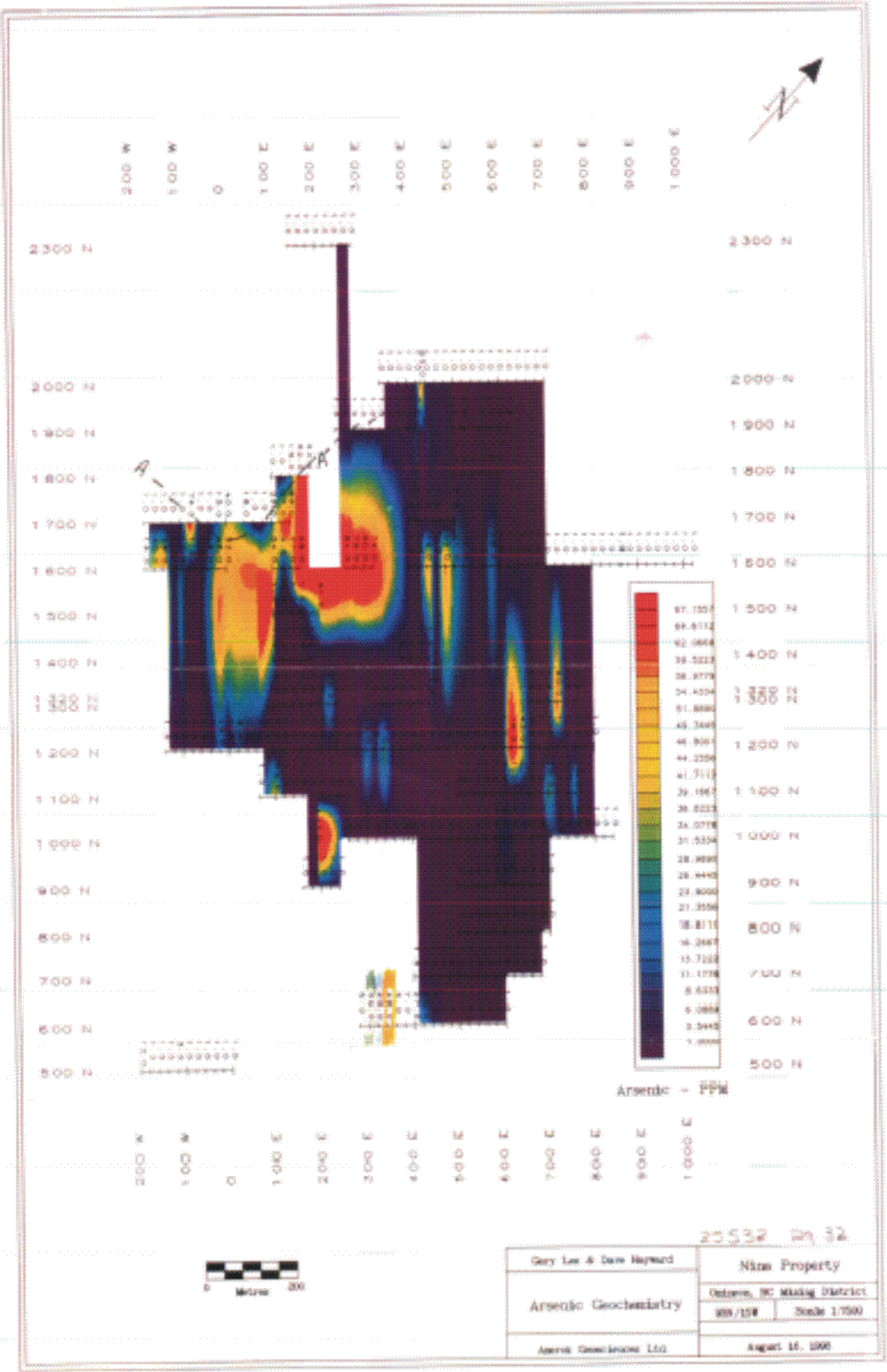
1 900 N
1 800 N
1 700 N
1 600 N
1 500 N
1 400 N
1 300 N
1 200 N
1 100 N
1 000 N
900 N
800 N
700 N
600 N
500 N
A
B
Antimony - PPM
0
Metres
200
VLF CONDUCTOR AXIS
25532
Gary Lee & Dave Hayward
Nina Property
Antimony Geochemistry



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100 W
0
100 E
200 E
300 E
400 E
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900 E
1000 E
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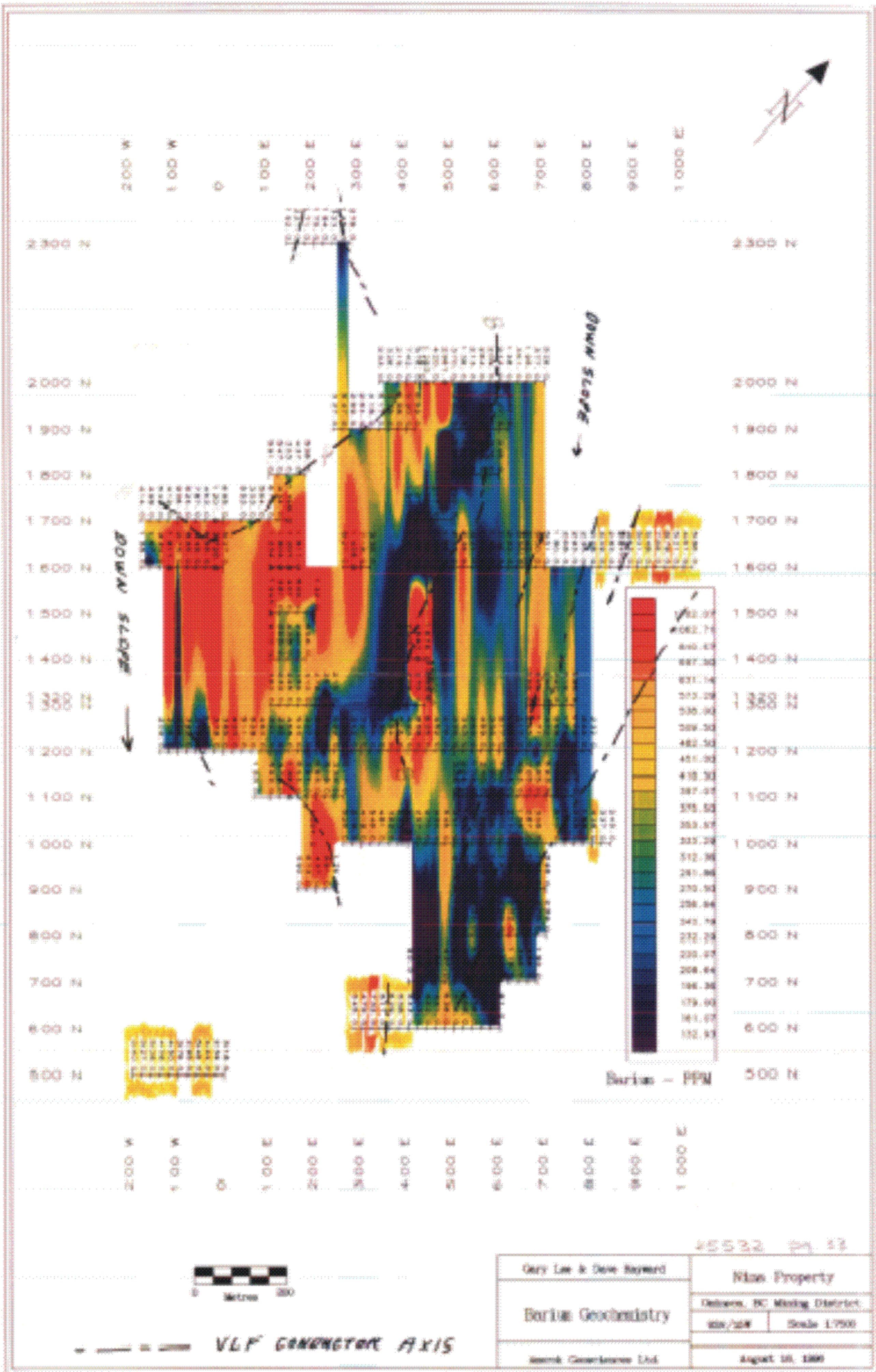
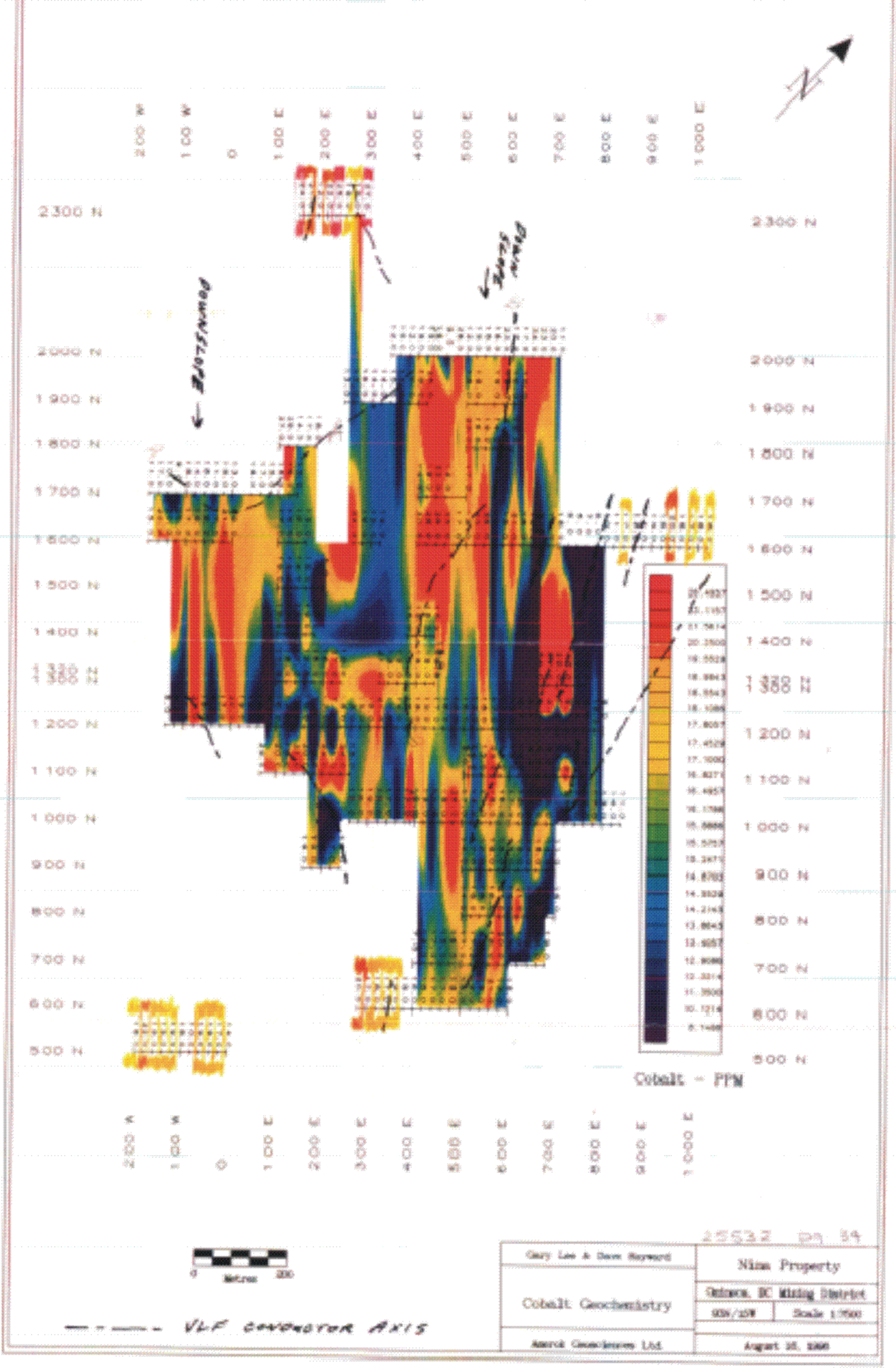
1800 N
1700 N
1600 N
1500 N
1400 N
1300 N
1200 N
1100 N
1000 N
900 N
800 N
700 N
600 N
500 N
Arsenic - PPM
0
Metres
200
Gary Lee & Dave Hayward
Arsenic Geochemistry


Barium - PPM
Down Slope
Down Slope
VLF Conductor Axis
Metres
Gary Lee & Dave Hayward
Barium Geochemistry
Nina Property
Scale 1:7500



N
2300 N
2000 N
1900 N
1800 N
1700 N
1600 N
1500 N
1400 N
1200 N
1100 N
1000 N
900 N
800 N
700 N
600 N
500 N
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
Cobalt - PPM
0
Metres
200
VLF CONDUCTOR AXIS
25532 pg 34
Gary Lee & Dave Hayward
Cobalt Geochemistry
Nina Property
Scale 1:7500

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-SJ1+2
DATE: 96/07/30
* soil * (ACT:F31)

COMP: DAVE HAYWARD
PROJ:
ATTN: Dave Hayward / Gary Lee

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
96NL 500 200W	1.5	1.76	12	540	.1	1	.83	.1	18	38	59	3.11	1	.04	11	1.19	1159
96NL 500 180W	1.9	2.29	1	527	.1	4	1.09	.1	22	51	64	3.73	1	.03	11	1.42	1326
96NL 500 160W	1.9	1.82	1	508	.1	6	.95	.1	19	39	49	3.16	1	.03	10	1.16	1036
96NL 500 140W	1.9	2.06	1	468	.1	6	1.19	.1	19	44	49	3.18	1	.03	8	1.18	1208
96NL 500 120W	1.9	2.06	3	450	.1	6	.94	.1	19	48	60	3.32	1	.04	10	1.19	1123
96NL 500 100W	1.8	1.98	1	376	.1	2	.86	.1	18	48	49	3.64	1	.03	10	1.14	1183
96NL 500 080W	1.5	1.11	1	295	.1	4	.68	.1	10	28	18	2.24	1	.04	5	.51	1995
96NL 500 060W	1.8	2.00	1	546	.1	5	.99	.1	19	48	72	3.39	1	.03	10	1.29	1224
96NL 500 040W	1.9	2.33	1	444	.1	6	.79	.1	19	63	75	3.58	1	.02	10	1.18	1126
96NL 500 020W	1.9	2.01	1	239	.1	5	.72	.1	17	52	38	3.49	1	.02	11	.91	993
96NL 500 000	1.7	1.85	1	318	.1	4	.82	.1	14	48	25	3.49	1	.03	9	.75	1100
96NL 600 280E	1.8	1.68	5	545	.1	4	1.01	.1	20	39	58	3.13	1	.04	10	1.10	1921
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96NL 600 320E	1.9	1.62	20	732	.1	2	.81	.1	18	38	61	2.96	1	.04	10	1.03	1881
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96NL 600 360E	1.6	1.82	3	629	.1	2	.74	.1	19	42	99	3.13	1	.02	10	1.13	1637
96NL 600 380E	1.9	1.62	7	538	.1	1	.79	.1	18	40	51	3.02	1	.03	9	1.07	1400
96NL 600 400E	1.5	1.60	27	543	.1	2	.84	.1	16	36	51	2.94	1	.03	9	1.09	1034
96NL 600 420E	1.6	1.59	23	333	.1	2	.82	.1	18	35	42	2.90	1	.02	8	1.07	1031
96NL 600 440E	1.8	1.68	5	442	.1	2	.81	.1	17	39	44	3.00	1	.03	9	1.04	1109
96NL 600 460E	1.6	1.82	1	441	.1	2	.77	.1	17	44	59	3.11	1	.02	9	1.04	1182
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96NL 600 520E	1.8	1.96	1	488	.1	3	.69	.1	16	53	62	3.25	1	.03	10	.99	1668
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96NL 1400 100E	1.4	1.66	1	910	.1	3	1.04	.1	15	49	107	2.75	1	.05	10	.89	1166
96NL 1400 120E	1.4	1.75	1	363	.1	4	.70	.1	13	47	21	3.57	1	.04	14	.78	446
96NL 1400 140E	1.8	1.56	1	408	.1	3	.60	.1	10	37	20	3.05	1	.03	12	.61	380
96NL 1400 160E	2.2	2.25	1	240	.1	11	1.10	.1	19	53	23	3.18	1	.02	10	.86	451
96NL 1400 180E	1.7	2.06	1	544	.1	7	.94	.1	15	53	36	3.20	1	.03	13	.76	462
96NL 1400 380E	1.9	1.52	1	84	.1	9	.85	.1	15	74	9	3.23	1	.03	9	.86	272
96NL 1400 400E	2.2	2.15	1	260	.1	13	1.07	.1	19	56	13	3.84	1	.02	8	.88	376
96NL 1400 420E	1.5	1.25	1	4642	.1	7	.55	.1	16	39	16	3.44	1	.02	7	.31	477
96NL 1400 440E	1.1	1.35	1	1616	.1	3	.75	.1	15	41	51	3.12	1	.06	9	.50	2083
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96NL 1500 120E	1.5	1.37	1	381	.1	8	.82	.1	12	34	18	2.34	1	.03	7	.55	493
96NL 1500 140E	1.4	1.75	1	401	.1	4	.91	.1	14	45	18	3.03	1	.03	11	.76	594
96NL 1500 160E	1.6	1.85	1	504	.1	5	.80	.1	15	46	33	3.12	1	.03	12	.94	678
96NL 1600 180W	1.6	1.61	14	188	.1	6	.86	.1	15	71	20	2.78	1	.01	9	.99	340
96NL 1600 160W	1.4	1.96	40	167	.1	1	.71	.1	20	95	19	3.09	1	.01	10	1.37	387
96NL 1600 140W	1.4	1.83	58	330	.1	3	1.00	.1	20	81	24	2.80	1	.02	9	1.34	841
96NL 1600 120W	.9	1.50	1	1811	.1	1	.56	.1	20	40	260	3.16	1	.03	12	.78	4639
96NL 1600 100W	1.4	1.90	12	275	.1	1	.74	.1	17	85	29	3.46	1	.03	13	1.45	459
96NL 1600 080W	1.0	1.81	1	895	.2	1	.85	.1	19	49	139	3.26	1	.04	15	.95	1890
96NL 1600 060W	1.3	1.19	1	845	.1	8	.59	.1	16	41	23	2.99	1	.06	8	.38	1464

SAMPLE NUMBER	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 500 200W	13	.01	38	800	1	1	2	21	1	.10	1	62.8	1	84
96NL 500 180W	16	.01	44	710	1	1	2	24	1	.15	1	91.3	1	93
96NL 500 160W	14	.01	34	610	8	1	2	22	1	.14	1	76.3	1	96
96NL 500 140W	13	.01	38	890	3	1	2	19	1	.13	1	80.8	1	77
96NL 500 120W	15	.01	37	570	1	1	2	25	1	.14	1	85.3	1	73
96NL 500 100W	16	.01	38	1330	1	1	2	21	1	.11	1	84.1	1	91
96NL 500 080W	10	.01	21	910	10	3	1	30	1	.08	1	59.9	2	82
96NL 500 060W	15	.01	43	570	1	1	2	23	1	.12	1	81.9	1	87
96NL 500 040W	15	.01	43	580	9	2	2	20	1	.14	1	95.3	1	88
96NL 500 020W	14	.01	33	1520	14	3	2	19	1	.13	1	86.1	2	86
96NL 500 000	14	.01	26	1400	21	3	2	16	1	.13	1	100.5	2	71
96NL 600 280E	13	.01	37	850	5	1	2	27	1	.11	1	63.7	1	91
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96NL 600 320E	13	.01	40	790	11	1	2	27	1	.09	1	59.1	1	92
96NL 600 340E	13	.01	38	500	2	1	2	22	1	.10	1	62.6	1	66
96NL 600 360E	14	.01	44	550	6	1	2	29	1	.09	1	70.7	1	79
96NL 600 380E	14	.01	36	830	10	1	2	25	1	.10	1	61.5	1	70
96NL 600 400E	12	.01	33	740	1	1	2	23	1	.10	1	62.4	1	68
96NL 600 420E	12	.01	32	710	1	1	2	21	1	.11	1	69.7	1	61
96NL 600 440E	13	.01	32	930	6	1	2	26	1	.10	1	70.9	1	80
96NL 600 460E	14	.01	37	720	7	1	2	23	1	.10	1	76.4	1	75
96NL 600 480E	14	.01	43	1020	18	2	2	33	1	.10	1	78.7	1	111
96NL 600 500E	14	.01	34	1010	27	3	2	24	1	.09	1	88.7	2	91
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96NL 600 540E	13	.01	36	680	3	1	2	25	1	.12	1	76.5	1	72
96NL 600 560E	15	.01	41	690	1	1	3	38	1	.15	1	115.2	1	64
96NL 600 580E	13	.01	24	2300	17	3	2	29	1	.12	1	110.6	1	90
96NL 600 600E	13	.01	24	930	5	3	2	28	1	.12	1	95.1	1	69
96NL 1400 100E	12	.01	39	520	13	1	2	35	1	.09	1	70.9	2	96
96NL 1400 120E	13	.01	26	850	7	1	2	16	1	.15	1	92.6	2	70
96NL 1400 140E	11	.01	22	1620	1	3	2	18	1	.11	1	76.9	2	77
96NL 1400 160E	12	.01	31	480	12	6	2	15	1	.21	1	97.7	2	55
96NL 1400 180E	13	.01	28	410	13	5	2	17	1	.16	1	107.7	3	51
96NL 1400 380E	13	.01	28	360	7	1	2	12	1	.19	1	121.3	4	32
96NL 1400 400E	14	.01	31	210	6	2	2	13	1	.27	1	147.8	2	59
96NL 1400 420E	13	.01	18	300	28	2	2	12	1	.17	1	117.4	3	115
96NL 1400 440E	11	.01	31	350	36	2	2	24	1	.10	1	86.8	3	91
96NL 1500 100E	14	.01	54	400	15	1	2	40	1	.06	1	61.8	1	106
96NL 1500 120E	9	.01	20	420	1	4	1	14	1	.14	1	78.0	2	53
96NL 1500 140E	12	.01	26	590	15	3	2	16	1	.14	1	90.6	2	54
96NL 1500 160E	12	.01	31	580	6	2	2	18	1	.14	1	81.3	1	63
96NL 1600 180W	11	.01	33	370	1	1	2	23	1	.15	1	85.9	3	39
96NL 1600 160W	13	.01	48	320	1	1	2	16	1	.12	1	79.8	3	43
96NL 1600 140W	13	.01	45	490	1	1	2	19	1	.13	1	74.5	2	55
96NL 1600 120W	16	.01	85	910	35	3	2	65	1	.02	1	42.0	1	194
96NL 1600 100W	13	.01	49	370	1	1	2	23	1	.11	1	86.1	1	87
96NL 1600 080W	15	.01	52	450	16	1	2	45	1	.06	1	59.0	1	114
96NL 1600 060W	13	.01	23	470	9	3	1	22	1	.15	1	92.7	3	110

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-SJ3+4
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 %	NI PPM	P PPM	PB PPM	SB PPM	SN PPM	SR PPM	TH PPM	TI %	U PPM	V PPM	W PPM	ZN PPM
96NL 1600 040W	1.8	2.11	16	855	.1	7	1.02	.1	17	58	19	3.88	1	.03	10	.92	381	14	.01	27	440	2	1	2	17	1	.22	1	134.8	3	54
96NL 1600 020W	1.8	2.12	45	3720	.1	3	.91	.1	21	63	50	3.34	1	.04	10	.81	1446	14	.01	41	430	22	5	2	29	1	.13	1	92.5	3	124
96NL 1600 000	1.9	2.25	52	527	.1	7	1.05	.1	19	77	29	3.79	1	.03	14	1.17	466	14	.01	44	360	1	1	2	18	1	.19	1	112.0	2	74
96NL 1600 100E	1.6	2.15	54	1234	.1	1	.69	.1	17	68	39	3.55	1	.02	14	1.00	453	14	.01	40	500	7	2	2	25	1	.14	1	89.1	2	70
96NL 1600 120E	1.9	1.54	9	1804	.1	5	.87	.1	15	52	38	2.72	1	.04	7	.78	838	11	.01	32	410	1	2	2	39	1	.12	1	75.3	3	75
96NL 1600 140E	1.8	1.64	27	1207	.1	1	.61	.1	16	57	60	2.74	1	.06	12	.80	1582	13	.01	46	490	7	2	2	46	1	.07	1	55.8	3	99
96NL 1600 160E	1.9	1.75	98	1811	.2	2	1.06	.1	15	52	74	2.93	1	.04	11	.71	1049	13	.01	43	510	21	5	2	43	1	.08	1	71.9	3	86
96NL 1600 260E	1.4	1.80	84	527	.2	1	.65	.1	24	53	78	3.45	1	.06	10	.97	1297	15	.01	38	790	14	1	2	55	1	.10	1	87.0	2	108
96NL 1600 280E	1.7	2.03	79	1435	.1	3	.59	.1	16	59	48	3.34	1	.03	12	1.05	564	14	.01	39	320	4	3	2	24	1	.13	1	81.7	2	65
96NL 1600 300E	2.4	1.85	80	718	.1	11	1.05	.1	15	55	16	3.25	1	.03	8	.81	385	11	.01	26	320	14	4	2	13	1	.23	1	118.8	4	42
96NL 1600 320E	1.9	1.85	74	338	.1	9	.86	.1	14	55	15	3.12	1	.02	10	.83	385	12	.01	26	300	13	4	2	14	1	.20	1	102.4	3	41
96NL 1600 400E	1.9	2.08	1	121	.1	7	1.05	.1	20	38	22	5.27	1	.03	12	.78	388	17	.01	26	720	8	1	3	18	1	.26	1	195.3	3	71
96NL 1600 420E	2.2	3.28	1	106	.1	6	1.40	.1	28	85	31	5.55	1	.02	16	1.97	559	18	.01	56	280	1	12	4	21	1	.27	1	173.9	2	46
96NL 1600 440E	1.8	2.82	49	108	.1	1	1.10	.1	28	90	32	4.79	1	.02	12	1.91	598	16	.02	53	190	1	11	3	16	1	.19	1	129.5	2	50
96NL 1600 460E	2.4	3.03	1	110	.1	6	1.40	.1	25	96	37	5.97	1	.02	17	1.68	586	21	.01	48	360	1	13	4	16	1	.29	1	176.4	3	55
96NL 1600 480E	2.2	1.83	59	186	.1	10	.90	.1	17	59	23	3.33	1	.03	10	.78	691	13	.01	31	250	15	3	2	11	1	.22	1	126.3	4	78
96NL 1600 500E	2.0	2.20	21	205	.1	6	.78	.1	18	64	32	3.86	1	.03	13	.85	1008	15	.01	36	350	18	5	2	13	1	.17	1	119.6	3	87
96NL 1600 520E	1.7	2.57	11	735	.4	2	.83	.1	20	71	162	4.07	1	.05	17	.91	1134	16	.01	46	380	23	7	3	27	1	.11	1	114.2	3	79
96NL 1600 540E	.5	1.66	1	324	.1	1	.60	.1	26	36	120	4.65	1	.07	14	.81	4704	17	.01	42	1600	48	1	3	26	1	.04	1	90.5	1	110
96NL 1600 560E	1.1	1.47	1	160	.1	1	.42	.1	10	31	29	3.96	1	.04	12	.41	751	12	.01	18	570	32	3	2	16	1	.09	1	111.0	3	89
96NL 1600 580E	1.3	1.97	18	182	.1	1	.53	.1	16	50	72	3.87	1	.06	19	.72	745	14	.01	37	410	27	5	2	17	1	.08	1	95.2	2	168
96NL 1600 600E	1.2	2.60	1	206	.1	1	.51	.1	21	58	149	4.96	1	.05	21	1.02	1098	18	.01	77	720	24	19	3	17	1	.11	1	97.8	1	212
96NL 1600 620E	1.2	2.07	1	292	.1	1	.68	.1	16	48	41	4.17	1	.05	14	.74	1313	15	.01	30	490	29	5	2	17	1	.12	1	114.2	2	150
96NL 1600 640E	1.5	2.02	1	230	.1	2	.53	.1	16	50	28	4.55	1	.04	19	.79	735	16	.01	27	550	22	3	3	15	1	.16	1	126.4	2	91
96NL 1600 660E	1.1	1.34	1	242	.1	6	.71	.1	9	32	15	3.07	1	.05	8	.39	439	9	.01	15	400	5	1	2	16	1	.17	1	126.8	3	69
96NL 1600 680E	1.3	2.22	1	500	.3	3	.71	.1	15	51	63	3.93	1	.05	17	.83	644	15	.01	32	350	23	1	2	18	1	.16	1	127.3	1	122
96NL 1600 700E	1.5	2.28	1	551	.4	2	.67	.1	18	50	68	3.33	1	.04	13	1.19	906	13	.01	54	280	6	1	2	14	1	.12	1	84.2	1	92
96NL 1600 720E	1.4	.81	1	180	.1	1	.24	.1	6	20	20	2.24	1	.04	5	.19	167	10	.01	14	270	12	1	1	8	1	.07	1	67.8	1	68
96NL 1600 740E	1.0	.96	1	268	.1	1	.34	.1	5	22	17	1.91	1	.03	6	.35	190	8	.01	14	140	4	1	1	8	1	.06	1	60.4	2	56
96NL 1600 760E	.7	1.19	1	293	.2	1	.43	.1	7	26	18	2.49	1	.04	9	.46	441	10	.01	18	350	1	1	1	10	1	.07	1	65.8	2	57
96NL 1600 780E	1.1	.93	1	235	.1	5	.47	.1	6	25	12	1.99	1	.03	4	.26	211	7	.01	10	230	5	1	1	10	1	.11	1	88.3	3	39
96NL 1600 800E	1.4	1.30	1	248	.1	10	.66	.1	10	33	10	3.02	1	.03	6	.32	369	11	.01	13	490	2	1	1	9	1	.20	1	127.3	3	68
96NL 1600 820E	1.3	1.40	1	449	.1	5	.54	.1	11	39	15	3.39	1	.03	7	.48	330	12	.01	18	430	1	1	2	8	1	.18	1	115.7	2	55
96NL 1600 840E	1.3	2.00	1	283	.2	4	.88	.1	17	35	42	3.64	1	.03	9	.97	596	13	.01	30	500	1	1	2	15	1	.16	1	95.7	1	41
96NL 1600 860E	1.1	1.63	1	287	.3	1	.56	.1	11	37	27	3.19	1	.03	11	.65	369	12	.01	21	540	1	1	2	10	1	.11	1	84.0	1	61
96NL 1600 880E	1.1	1.54	1	363	.2	1	.74	.1	11	38	23	3.02	1	.04	11	.57	514	11	.01	21	950	1	1	2	18	1	.12	1	92.5	2	84
96NL 1600 900E	1.3	1.91	1	501	.3	3	.93	.1	14	50	46	3.02	1	.03	11	.93	721	12	.01	32	330	1	1	2	17	1	.12	1	85.5	1	59
96NL 1600 920E	1.4	1.80	1	548	.3	5	1.07	.1	16	51	63	3.09	1	.04	10	.73	1210	11	.01	34	460	1	1	2	24	1	.13	1	91.1	2	76
96NL 1600 940E	1.5	2.17	1	766	.5	2	1.23	.1	20	87	172	3.82	1	.03	11	.88	2787	14	.01	47	830	31	1	2	31	1	.10	1	100.8	3	87
96NL 1600 960E	2.0	1.77	1	879	.4	6	1.59	.1	15	53	121	2.98	1	.03	8	.76	1635	12	.01	41	590	1	1	2	34	1	.11	1	87.6	2	70
96NL 1600 980E	1.9	1.82	1	521	.3	7	1.19	.1	17	50	69	3.08	1	.03	8	.89	1806	13	.01	33	470	6	1	2	22	1	.16	1	96.5	2	56
96NL 1600 1000E	1.4	1.70	1	461	.3	6	.95	.1	16	41	36	2.83	1	.02	10	.91	1089	11	.01	26	380	1	1	2	15	1	.15	1	89.0	1	46
96NL 1600 1020E	1.2	2.07	1	586	.4	2	.90	.1	18	51	74	3.50	1	.03	15	1.05	890	14	.01	40	350	4	1	2	27	1	.12	1	84.0	1	74
96NL 1700 180W	.6	1.11	1	414	.2	1	.28	.1	11	30	38	2.55	1	.05	12	.46	973	10	.01	28	480	5	1	1	21	1	.04	1	51.3	2	110
96NL 1700 160W	1.1	1.97	1	498	.3	1	.43	.1	17	56	72	3.41	1	.03	17	1.13	711	15	.01	48	320	1	1	2	49	1	.11	1	70.9	1	84
96NL 1700 140W	.8	1.29	1	543	.1	1	.20	.1	10	31	69	2.43	1	.04	17	.66	639	12	.01	28	230	1	1	1	164	1	.01	1	42.2	1	81
96NL 1700 120W	.9	.98	1	412	.2	1	.50	.1	9	26	47	2.24	1	.07	12	.45	743	10	.01	33	640	4	1	1	52	1	.01	1	38.6	2	132
96NL 1700 100W	.9	1.47	1	906	.2	1	.48	.1	18	42	168	3.11	1	.03	15	.79	4553	18	.01	83	740	44	1	2	60	1	.02	1	42.2	1	199

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-SJ5+6
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 %	NI PPM	P PPM	PB PPM	SB PPM	SN PPM	SR PPM	TH PPM	TI %	U PPM	V PPM	W PPM	ZN PPM
96NL 1700 080W	1.0	1.44	74	524	.1	1	.34	.1	14	39	68	2.89	1	.03	12	.74	924	11	.01	32	560	22	1	2	21	1	.08	1	59.2	2	156
96NL 1700 060W	1.3	1.46	1	787	.1	2	1.13	.1	16	44	58	2.96	1	.06	11	.62	1328	13	.01	34	420	11	1	2	37	1	.10	1	74.3	3	111
96NL 1700 040W	.5	1.32	1	463	.1	1	.35	.1	11	42	23	3.13	1	.04	17	.38	784	13	.01	30	440	6	2	1	13	1	.03	1	59.4	2	153
96NL 1700 020W	1.6	2.18	15	1201	.1	6	.88	.1	18	55	30	3.85	1	.04	12	1.05	534	15	.01	35	320	2	1	2	27	1	.21	1	113.7	2	79
96NL 1700 000	2.1	1.47	40	695	.2	3	1.56	.1	13	52	254	2.42	1	.02	14	.77	1099	12	.01	69	590	1	2	1	47	1	.05	1	47.9	2	108
96NL 1700 040E	1.5	1.98	18	553	.1	4	1.10	.1	18	61	32	4.00	1	.02	13	.92	554	14	.01	33	350	4	1	3	36	1	.18	1	125.0	3	63
96NL 1700 060E	1.9	2.09	1	303	.1	7	.92	.1	17	64	22	4.22	1	.03	14	.91	420	15	.01	28	450	3	1	3	18	1	.22	1	135.3	3	107
96NL 1700 080E	2.0	1.90	1	564	.1	7	1.01	.1	15	55	17	3.63	1	.02	11	.75	370	13	.01	26	330	11	2	2	16	1	.19	1	125.8	3	83
96NL 1700 100E	1.6	2.01	25	676	.1	7	.91	.1	16	59	23	3.62	1	.02	11	.93	572	13	.01	30	520	1	1	2	22	1	.19	1	113.8	3	68
96NL 1700 120E	1.5	1.96	57	434	.1	5	1.02	.1	16	67	54	3.29	1	.03	11	.89	557	12	.01	33	410	11	2	2	19	1	.15	1	97.6	3	99
96NL 1700 140E	1.4	1.85	63	1398	.2	1	.56	.1	15	54	74	3.18	1	.03	13	.99	1146	13	.01	48	510	3	1	2	51	1	.08	1	57.9	1	112
96NL 1700 400E	1.1	1.77	1	150	.1	5	.69	.1	14	44	35	3.67	1	.03	12	.64	366	13	.01	22	300	13	2	2	14	1	.16	1	107.0	2	60
96NL 1700 420E	1.6	1.92	1	107	.1	7	.72	.1	18	25	26	4.96	1	.03	10	.77	409	15	.01	18	620	7	1	3	11	1	.24	1	131.5	1	66
96NL 1700 440E	1.4	2.30	1	110	.1	4	.85	.1	22	19	35	5.20	1	.03	8	1.06	578	15	.01	19	660	1	1	3	21	1	.23	1	100.9	1	67
96NL 1700 460E	1.5	1.71	1	217	.1	7	.94	.1	19	27	20	4.49	1	.02	6	.68	629	13	.01	20	660	9	1	3	11	1	.23	1	130.8	2	56
96NL 1700 500E	2.3	1.64	1	240	.1	19	.94	.1	17	45	20	4.46	1	.03	9	.56	658	14	.01	21	540	21	1	3	13	1	.36	1	173.6	4	57
96NL 1800 100E	1.0	1.93	1	591	.2	2	1.17	.1	27	62	129	4.26	1	.03	12	.57	1016	16	.01	42	460	39	3	3	23	1	.11	1	91.1	3	335
96NL 1800 120E	1.8	3.01	1	547	.4	4	.92	.1	29	89	353	5.12	1	.03	17	1.04	1360	20	.01	99	550	18	20	3	32	1	.13	1	94.5	4	147
96NL 1800 140E	1.3	1.54	18	303	.1	5	.72	.1	14	54	21	3.57	1	.04	10	.64	466	13	.01	25	460	14	1	2	13	1	.16	1	108.7	3	98
96NL 1800 160E	1.5	1.94	62	437	.1	5	1.01	.1	17	67	53	3.31	1	.03	11	.89	560	12	.01	34	420	8	2	2	19	1	.14	1	97.6	3	97
96NL 1800 180E	1.4	2.17	63	506	.1	6	1.12	.1	18	71	43	3.45	1	.02	12	1.05	578	13	.01	39	330	1	2	2	19	1	.18	1	108.8	3	81
96NL 1800 500E	1.4	2.36	1	206	.1	3	.97	.1	23	41	29	5.06	1	.03	11	.98	648	17	.01	27	710	1	1	3	17	1	.21	1	107.5	1	81
96NL 1800 520E	1.6	2.33	1	162	.1	7	.77	.1	16	41	21	4.62	1	.02	11	.72	451	13	.01	22	930	18	3	3	14	1	.23	1	114.7	2	97
96NL 1800 540E	1.5	2.11	1	189	.1	5	.84	.1	19	27	19	5.45	1	.03	8	.82	721	17	.01	20	1350	6	1	3	18	1	.25	1	96.5	1	86
96NL 1800 560E	2.0	1.65	1	268	.2	12	.64	.1	14	36	36	4.28	1	.03	10	.58	293	15	.01	25	460	29	2	2	14	1	.24	1	132.8	2	66
96NL 1800 580E	.6	.82	1	276	.1	3	.27	.1	9	19	26	2.04	1	.05	3	.17	1395	7	.01	14	470	20	3	1	10	1	.05	1	74.0	3	54
96NL 1800 600E	.6	2.20	1	246	.3	1	.47	.1	15	39	53	5.34	1	.06	17	.50	1731	17	.01	32	760	55	2	2	15	1	.12	1	142.6	1	113
96NL 1900 240E	1.4	1.65	1	327	.2	8	.73	.1	13	48	22	3.45	1	.04	11	.75	438	13	.01	26	710	1	1	2	16	1	.16	1	98.0	2	72
96NL 1900 260E	1.4	1.27	1	547	.2	5	1.19	.1	13	37	21	2.96	1	.06	7	.47	723	12	.01	20	980	1	1	1	27	1	.14	1	96.8	3	78
96NL 1900 280E	1.1	1.72	1	269	.2	2	.58	.1	16	50	68	3.58	1	.05	10	1.06	893	15	.01	36	610	2	1	2	26	1	.09	1	71.5	1	83
96NL 1900 300E	1.4	1.76	1	264	.2	7	.70	.1	14	45	31	3.49	1	.04	12	.98	545	13	.01	29	580	1	1	2	26	1	.17	1	90.9	1	64
96NL 1900 320E	1.3	1.64	1	418	.4	6	.72	.1	14	43	38	2.77	1	.04	10	.88	631	12	.01	25	390	1	1	2	32	1	.14	1	80.8	1	58
96NL 1900 340E	1.4	1.57	1	517	.2	7	.79	.1	15	44	37	2.96	1	.05	10	.82	773	12	.01	28	850	1	1	2	21	1	.15	1	83.4	2	70
96NL 1900 360E	1.2	1.32	1	338	.2	6	.81	.1	11	34	23	2.56	1	.05	8	.65	475	11	.01	22	640	1	1	1	21	1	.12	1	69.4	2	64
96NL 1900 380E	1.3	1.92	1	658	.3	5	.68	.1	16	47	69	2.90	1	.05	15	1.20	893	13	.01	38	410	1	1	2	34	1	.12	1	62.2	1	79
96NL 1900 400E	1.0	1.84	1	520	.3	6	.73	.1	19	51	59	3.27	1	.04	12	1.07	1587	15	.01	36	640	3	1	2	29	1	.13	1	83.5	1	80
96NL 1900 420E	1.1	2.45	7	669	.6	2	.76	.1	25	56	130	3.70	1	.05	18	1.41	1015	14	.01	47	430	1	1	2	82	1	.10	1	97.3	1	124
96NL 1900 500E	1.6	2.43	1	220	.4	11	.86	.1	18	54	42	4.37	1	.04	14	1.11	673	16	.01	32	440	1	1	2	19	1	.24	1	110.7	1	79
96NL 1900 520E	1.6	2.16	1	223	.3	11	1.00	.1	19	41	47	4.81	1	.03	12	.90	491	16	.01	25	380	3	1	2	15	1	.27	1	156.9	1	61
96NL 1900 560E	2.0	2.32	1	120	.2	13	.90	.1	19	44	21	5.37	1	.02	9	.88	404	17	.01	23	780	3	1	3	9	1	.31	1	161.3	1	48
96NL 1900 580E	2.0	2.28	1	186	.4	10	.84	.1	19	42	58	4.83	1	.03	9	.84	432	17	.01	31	500	6	1	2	16	1	.25	1	132.3	1	60
96NL 1900 600E	1.7	1.64	1	347	.5	5	1.00	.1	16	31	135	2.96	1	.03	8	.36	1173	11	.01	37	430	16	5	1	27	1	.10	1	83.6	2	59
96NL 1900 620E	.8	1.66	1	341	.6	3	1.34	.1	10	32	181	2.88	1	.03	16	.33	2849	11	.01	37	710	22	5	1	40	1	.02	1	91.9	2	49
96NL 2000 340E	1.6	1.46	1	233	.1	11	.77	.1	12	36	11	2.84	1	.04	8	.62	401	11	.01	20	920	1	1	2	15	1	.18	1	94.4	2	56
96NL 2000 360E	1.7	2.15	1	326	.3	13	.96	.1	15	49	43	3.12	1	.03	14	1.15	609	14	.01	30	370	1	1	2	18	1	.20	1	92.8	1	49
96NL 2000 380E	1.5	1.75	1	215	.2	9	.69	.1	12	43	16	3.09	1	.04	13	.77	436	12	.01	21	950	1	1	2	16	1	.17	1	88.6	2	62
96NL 2000 400E	.9	2.40	1	742	.4	9	.64	.1	19	58	69	3.64	1	.04	15	1.04	7492	18	.01	69	960	32	5	2	34	1	.13	1	93.1	2	120
96NL 2000 420E	.8	1.58	1	576	.2	1	.32	.1	14	52	48	3.21	1	.05	12	.64	1661	15	.01	31	870	1	1	2	31	1	.06	1	75.6	3	96

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 %	NI PPM	P PPM	PB PPM	SB PPM	SN PPM	SR PPM	TH PPM	TI %	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-EN LABS — ICP REPORT

8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8
TEL:(604)327-3436 FAX:(604)327-3423

FILE NO: 6S-0045-SJ1+2
DATE: 96/07/16
* soil * (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
96NL 700 400E	.8	1.56	1	90	.1	6	.56	.1	7	28	8	2.40	1	.03	7	.29	552	8	.01	10	1530	33	1	1	18	1	.12	1	77.1	2	56
96NL 700 420E	1.0	2.30	1	105	.1	1	.86	.1	14	45	23	3.48	1	.02	13	.76	450	13	.01	22	1170	14	6	2	31	1	.12	1	106.7	3	72
96NL 700 440E	1.2	2.29	1	216	.1	7	1.16	.1	17	53	19	3.62	1	.03	10	.90	1142	13	.02	27	1170	8	5	2	32	1	.17	1	117.0	3	99
96NL 700 460E	1.2	2.05	1	189	.1	2	.93	.1	15	39	17	3.26	1	.03	12	.69	484	11	.01	20	1350	12	6	2	37	1	.11	1	95.6	1	138
96NL 700 480E	.9	2.43	1	437	.1	1	.85	.1	16	53	32	4.59	1	.03	15	.96	448	16	.01	33	1760	2	1	3	28	1	.13	1	118.5	2	109
96NL 700 500E	.9	2.17	1	217	.1	3	.91	.1	17	51	31	3.86	1	.03	12	.94	490	15	.01	33	1110	1	2	2	27	1	.15	1	114.9	2	76
96NL 700 520E	1.0	2.57	1	216	.1	1	1.04	.1	17	57	37	3.97	1	.03	13	1.25	549	15	.01	36	1020	1	2	3	36	1	.13	1	116.0	2	98
96NL 700 540E	1.1	1.63	1	108	.1	8	1.00	.1	9	31	10	2.27	1	.03	7	.47	282	8	.01	14	840	17	1	1	27	1	.13	1	87.5	2	61
96NL 700 560E	.8	2.62	1	114	.1	1	.79	.1	18	52	37	3.69	1	.03	13	1.04	486	12	.01	34	960	1	4	2	29	1	.11	1	101.2	2	118
96NL 700 580E	.4	2.05	1	162	.1	1	.99	.1	20	43	36	4.11	1	.06	12	.88	1401	12	.01	33	2130	1	1	3	31	1	.11	1	104.4	2	142
96NL 700 600E	.7	2.02	1	107	.1	1	.81	.1	13	35	24	3.52	1	.02	12	.66	428	10	.01	21	1590	8	1	2	26	1	.12	1	104.5	1	133
96NL 700 620E	.5	1.65	1	119	.1	1	.72	.1	10	35	21	3.66	1	.02	11	.45	287	10	.01	17	1350	13	1	2	24	1	.12	1	116.0	1	73
96NL 700 640E	1.3	1.42	1	396	.1	1	1.27	.1	12	39	36	2.33	1	.03	8	.71	758	11	.01	35	400	8	1	2	39	1	.09	1	67.6	2	123
96NL 700 660E	.6	2.47	1	256	.1	1	.96	.1	18	45	38	4.39	1	.05	13	.89	714	14	.01	32	1420	5	1	3	32	1	.14	1	120.1	2	163
96NL 700 680E	.7	2.36	1	190	.1	1	1.01	.1	19	45	39	4.09	1	.04	13	1.04	732	13	.01	36	1680	1	1	4	33	1	.13	1	109.5	1	166
96NL 800 500E	.8	2.13	1	169	.1	1	1.16	.1	14	41	33	3.16	1	.03	12	.93	428	11	.01	26	790	3	4	2	62	1	.13	1	97.7	1	66
96NL 800 520E	.9	1.96	1	116	.1	5	1.19	.1	18	51	38	3.40	1	.04	10	1.21	599	11	.02	32	720	1	1	2	46	1	.16	1	104.2	2	60
96NL 800 540E	1.1	2.26	1	421	.1	4	1.25	.1	18	64	69	3.83	1	.04	14	1.32	913	13	.02	39	300	1	1	3	63	1	.15	1	105.5	2	63
96NL 800 560E	.7	2.09	1	103	.1	2	.81	.1	16	44	31	3.44	1	.02	13	1.05	398	12	.01	29	300	1	1	2	30	1	.12	1	102.0	2	46
96NL 800 580E	.7	2.39	1	165	.1	1	.95	.1	21	48	30	3.47	1	.03	12	1.08	530	13	.01	33	1110	1	3	2	34	1	.11	1	94.6	2	137
96NL 800 600E	.9	1.46	1	222	.1	5	.84	.1	12	35	17	2.87	1	.03	9	.52	317	10	.01	18	580	14	1	2	26	1	.15	1	100.3	2	66
96NL 800 620E	.4	1.83	1	702	.1	1	1.00	.1	21	41	30	3.81	1	.05	12	.73	2963	13	.01	33	2650	18	1	2	40	1	.10	1	91.1	1	240
96NL 800 640E	.7	2.19	1	263	.1	1	.60	.1	13	52	25	3.72	1	.03	19	.95	396	15	.01	43	2290	1	1	2	32	1	.07	1	85.5	2	240
96NL 800 660E	.8	1.33	1	170	.1	2	.57	.1	8	35	17	2.09	1	.03	8	.62	292	10	.01	27	390	10	1	1	13	1	.08	1	59.3	2	125
96NL 800 680E	1.7	1.65	1	276	.1	6	.91	.1	10	39	16	2.30	1	.04	8	.67	319	11	.01	30	350	10	1	2	15	1	.14	1	88.4	2	115
96NL 800 700E	1.0	1.95	1	239	.1	1	.93	.1	16	49	30	3.12	1	.04	11	.91	537	13	.01	51	1060	2	1	2	21	1	.13	1	87.6	2	212
96NL 900 160E	1.2	1.54	1	590	.1	6	1.07	.1	19	32	70	2.83	1	.06	9	.97	1354	12	.01	39	650	10	1	2	32	1	.13	1	61.9	1	102
96NL 900 180E	1.1	1.78	1	673	.1	2	1.01	.1	19	33	59	3.12	1	.05	10	1.04	1104	13	.01	37	680	5	1	2	29	1	.12	1	68.3	1	99
96NL 900 200E	1.0	1.90	1	437	.1	8	1.21	.1	14	41	23	3.35	1	.04	8	.65	1378	10	.01	27	1530	17	3	2	29	1	.16	1	99.1	2	99
96NL 900 220E	.6	1.92	1	591	.1	9	1.09	.1	17	43	27	3.71	1	.05	10	.63	4590	12	.01	31	2440	30	3	3	26	1	.17	1	101.6	2	165
96NL 900 240E	1.3	2.52	1	176	.1	3	1.04	.1	18	62	32	4.72	1	.02	18	1.04	651	15	.01	34	2180	1	1	4	21	1	.19	1	116.6	2	132
96NL 900 500E	1.4	2.02	1	97	.1	4	.96	.1	14	43	24	3.81	1	.03	11	.83	404	12	.01	25	660	3	1	2	31	1	.16	1	126.7	3	57
96NL 900 520E	1.0	2.35	1	180	.1	3	.77	.1	17	51	22	3.65	1	.03	13	.73	543	12	.01	27	1360	11	4	2	28	1	.14	1	101.3	3	144
96NL 900 540E	.8	1.77	1	136	.1	3	.79	.1	12	38	18	3.88	1	.03	10	.57	435	11	.01	22	1540	16	1	2	22	1	.14	1	118.7	1	66
96NL 900 560E	1.4	2.57	1	219	.1	8	.99	.1	18	57	37	4.67	1	.04	16	.98	570	15	.01	37	1040	1	1	4	21	1	.22	1	136.1	2	93
96NL 900 580E	.8	2.35	1	146	.1	1	.91	.1	15	48	21	3.87	1	.03	12	.87	344	13	.01	27	970	4	1	2	27	1	.15	1	122.8	2	56
96NL 900 600E	1.0	2.18	1	197	.1	2	1.15	.1	15	47	26	3.92	1	.04	13	.99	557	12	.02	28	1240	2	1	3	35	1	.16	1	125.1	2	63
96NL 900 620E	1.0	1.98	1	154	.1	3	1.20	.1	15	41	26	3.37	1	.03	10	.88	559	12	.01	26	650	2	1	2	41	1	.14	1	106.5	1	60
96NL 900 640E	1.3	1.98	1	109	.1	3	.92	.1	14	40	20	3.17	1	.03	11	.76	398	11	.01	23	630	8	5	2	30	1	.13	1	102.3	1	68
96NL 900 660E	1.1	2.30	1	135	.1	3	1.12	.1	18	45	40	3.66	1	.02	12	1.21	522	13	.01	34	520	1	1	3	34	1	.15	1	114.1	2	55
96NL 900 680E	1.2	2.04	1	136	.1	5	.90	.1	13	44	20	3.71	1	.03	13	.72	404	12	.01	22	930	12	2	2	25	1	.15	1	115.8	3	105
96NL 900 700E	1.7	1.59	1	598	.1	4	2.14	.1	11	55	46	2.52	1	.03	14	.68	496	13	.01	44	690	12	1	2	89	1	.10	1	70.2	3	160
96NL 1000 260E	1.1	2.10	1	526	.1	7	1.05	.1	15	49	53	3.05	1	.02	9	.99	618	11	.01	39	280	1	3	2	17	1	.16	1	93.6	3	44
96NL 1000 280E	1.0	1.76	1	219	.1	5	.88	.1	16	41	14	3.59	1	.03	12	.60	550	12	.01	23	640	9	1	2	15	1	.16	1	115.2	2	84
96NL 1000 300E	1.1	2.06	1	418	.1	5	1.04	.1	19	48	27	3.96	1	.05	13	.75	1542	13	.01	31	1010	12	1	3	24	1	.16	1	122.5	3	105
96NL 1000 320E	1.0	1.51	1	546	.1	11	1.18	.1	15	38	19	2.89	1	.06	7	.60	2686	10	.01	28	860	21	1	2	22	1	.18	1	94.9	2	92
96NL 1000 340E	1.1	1.79	1	481	.1	4	.88	.1	17	44	22	3.73	1	.05	13	.74	982	12	.01	27	970	12	1	2	23	1	.16	1	104.7	1	124
96NL 1000 360E	1.0	1.11	1	362	.1	10	.89	.1	12	33	14	2.55	1	.06	6	.33	1855	9	.01	20	490	25	1	2	24	1	.16	1	99.2	3	59

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-SJ3+4
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 %	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 1000 380E	1.3	1.53	1	235	.1	6	.74	.1	17	45	13	4.04	1	.05	10	.53	580	12	.01	23	980	1	1	2	15	1	.17	1	131.5	3	74
96NL 1000 400E	1.5	1.78	1	245	.1	8	.69	.1	15	49	20	3.75	1	.03	12	.73	453	13	.02	27	480	1	1	2	16	1	.18	1	125.1	3	75
96NL 1000 420E	1.4	2.05	1	297	.1	10	.93	.1	19	55	32	4.39	1	.04	12	.77	844	15	.02	33	590	10	1	3	23	1	.22	1	142.4	3	99
96NL 1000 440E	1.2	1.20	1	270	.1	6	.88	.1	11	34	14	2.75	1	.07	7	.36	518	9	.01	17	450	1	1	2	26	1	.12	1	105.4	4	68
96NL 1000 460E	1.3	1.83	1	230	.1	4	.82	.1	18	46	22	3.79	1	.03	10	.77	624	13	.02	26	420	1	1	2	23	1	.16	1	125.9	3	93
96NL 1000 480E	1.3	2.47	1	546	.1	3	1.69	.1	24	100	232	4.31	1	.04	16	.86	4660	16	.02	82	450	32	1	3	78	1	.11	1	105.7	4	114
96NL 1000 500E	1.4	1.96	1	341	.1	2	1.03	.1	17	64	45	3.32	1	.04	19	.78	1445	12	.01	38	280	5	1	2	40	1	.10	1	99.6	3	84
96NL 1000 520E	1.5	1.21	1	198	.1	6	.88	.1	13	38	17	3.10	1	.08	5	.41	357	9	.01	16	380	1	1	2	29	1	.17	1	127.2	4	58
96NL 1000 540E	1.4	1.67	1	277	.1	5	.81	.1	17	47	24	4.18	1	.04	9	.76	606	13	.02	29	590	7	1	2	20	1	.17	1	128.7	3	71
96NL 1000 560E	1.2	1.20	1	194	.1	5	.97	.1	18	39	25	3.13	1	.05	6	.46	658	10	.02	24	580	1	1	2	27	1	.12	1	101.9	4	70
96NL 1000 580E	1.4	1.28	1	236	.1	11	.84	.1	16	42	25	3.37	1	.05	6	.37	988	10	.02	22	360	2	1	2	19	1	.19	1	132.7	4	45
96NL 1000 600E	1.8	2.19	8	300	.1	5	1.23	.1	17	91	42	3.37	1	.02	14	.90	517	13	.01	41	330	7	1	2	42	1	.12	1	90.8	4	42
96NL 1000 620E	1.9	1.90	1	211	.1	12	.95	.1	18	49	23	4.14	1	.03	11	.71	424	14	.02	28	270	13	1	2	14	1	.25	1	141.8	3	69
96NL 1000 640E	1.5	1.10	1	155	.1	12	.83	.1	11	35	15	2.89	1	.03	3	.38	258	10	.01	17	290	1	1	2	14	1	.23	1	132.3	4	41
96NL 1000 660E	1.5	2.02	1	287	.1	8	1.07	.1	17	46	19	3.86	1	.02	13	.73	383	13	.01	28	340	17	1	2	33	1	.20	1	124.0	3	53
96NL 1000 680E	1.6	1.87	1	308	.1	6	.74	.1	18	49	22	4.14	1	.03	10	.81	591	14	.01	28	540	10	1	2	21	1	.20	1	128.2	2	90
96NL 1000 720E	1.4	.83	10	510	.1	2	1.94	.1	8	38	34	1.60	1	.02	6	.46	622	9	.01	54	440	1	1	1	65	1	.05	1	39.4	4	111
96NL 1000 740E	1.5	1.56	1	144	.1	6	1.04	.1	14	45	25	2.93	1	.03	6	.86	543	13	.02	28	400	1	1	2	27	1	.16	1	102.7	2	53
96NL 1000 760E	1.0	1.67	1	248	.1	1	.64	.1	13	46	22	3.76	1	.03	12	.68	308	17	.01	38	1020	1	1	2	28	1	.09	1	107.9	3	132
96NL 1000 780E	1.3	1.99	1	188	.1	2	.90	.1	17	51	32	3.28	1	.02	8	1.01	507	12	.02	33	520	1	1	2	25	1	.13	1	100.9	2	60
96NL 1000 800E	1.3	1.54	1	438	.1	2	1.03	.1	13	47	28	2.70	1	.03	9	.79	492	15	.01	38	340	1	1	2	36	1	.09	1	80.6	2	94
96NL 1000 820E	1.2	1.60	1	337	.1	3	.69	.1	14	53	19	2.81	1	.04	10	.78	518	16	.01	34	340	1	1	2	20	1	.10	1	85.9	3	119
96NL 1000 840E	1.1	1.40	1	245	.1	3	.62	.1	11	47	15	2.66	1	.04	7	.64	402	18	.01	27	330	1	1	2	17	1	.11	1	99.2	4	95
96NL 1100 100E	1.4	1.87	44	592	.1	6	1.12	.1	20	43	81	3.45	1	.04	8	1.17	1493	14	.02	47	510	1	1	2	29	1	.13	1	86.2	1	65
96NL 1100 120E	.6	1.73	1	375	.1	4	.93	.1	16	36	57	2.88	1	.02	7	.93	802	10	.01	33	450	2	4	2	16	1	.14	1	78.5	1	46
96NL 1100 140E	1.0	2.84	1	1362	.1	7	1.36	.1	31	56	137	4.50	1	.05	11	1.69	2376	16	.02	63	560	1	1	4	37	1	.21	1	109.5	1	105
96NL 1100 160E	.3	2.21	1	644	.1	5	.95	.1	20	50	75	3.88	1	.04	11	.99	2627	13	.01	41	760	10	3	3	21	1	.15	1	100.8	3	78
96NL 1100 180E	.9	1.55	1	351	.1	1	.34	.1	13	28	47	3.19	1	.08	14	.68	524	15	.01	33	1100	33	5	2	22	1	.03	1	46.8	1	134
96NL 1100 200E	.5	1.99	1	685	.1	3	1.17	.1	24	48	108	3.38	1	.07	10	.87	2090	13	.01	46	520	24	6	2	46	1	.12	1	93.4	3	106
96NL 1100 220E	.5	1.90	1	519	.1	3	1.05	.1	21	45	106	3.27	1	.06	9	.76	1641	12	.01	38	580	28	6	2	35	1	.11	1	95.2	4	109
96NL 1100 240E	.5	1.76	1	338	.1	3	1.00	.1	24	45	116	3.21	1	.06	9	.71	1959	11	.01	47	600	30	6	2	28	1	.12	1	93.1	2	97
96NL 1100 260E	1.2	1.66	1	517	.1	7	1.07	.1	15	44	34	2.65	1	.04	6	.77	785	10	.02	29	250	10	2	2	19	1	.15	1	90.5	2	49
96NL 1100 500E	.8	.93	1	238	.1	8	.57	.1	9	28	10	2.26	1	.05	3	.24	667	6	.01	11	730	17	1	1	13	1	.15	1	84.8	3	56
96NL 1100 520E	.4	1.95	1	224	.1	1	.54	.1	14	50	19	4.43	1	.03	15	.67	650	13	.01	23	1750	12	1	3	17	1	.16	1	125.3	3	119
96NL 1100 540E	.8	1.66	1	174	.1	4	.78	.1	15	49	21	4.15	1	.04	10	.62	582	12	.01	23	1390	13	1	3	19	1	.19	1	121.3	4	88
96NL 1100 560E	.4	2.11	1	240	.1	1	.81	.1	23	59	33	5.06	1	.02	12	.83	1708	15	.01	35	2080	8	1	4	15	1	.16	1	120.6	3	116
96NL 1100 580E	.4	2.02	1	180	.1	1	.58	.1	18	58	26	4.46	1	.04	10	.59	1339	14	.01	27	2180	20	2	3	17	1	.14	1	122.5	4	109
96NL 1100 600E	.1	1.93	1	180	.1	1	.37	.1	15	47	20	5.81	1	.03	12	.45	970	14	.01	26	2950	17	1	4	13	1	.10	1	127.7	2	173
96NL 1100 620E	.1	1.89	1	244	.1	1	.38	.1	14	44	21	3.73	1	.02	14	.61	699	11	.01	24	1860	16	5	3	19	1	.08	1	96.0	2	115
96NL 1100 640E	.5	.88	2	463	.1	1	.24	.1	8	36	45	1.95	1	.03	16	.32	453	8	.01	26	240	5	1	1	13	1	.02	1	58.4	3	69
96NL 1100 660E	.8	.73	1	725	.1	1	.30	.1	6	22	22	1.59	1	.03	10	.33	695	9	.01	33	110	3	1	1	15	1	.01	1	16.8	2	103
96NL 1100 680E	1.4	.50	1	695	.1	1	.31	.1	5	15	24	1.39	1	.03	5	.31	598	7	.01	21	120	3	1	1	12	1	.01	1	11.2	1	107
96NL 1100 700E	1.0	1.29	29	693	.1	1	1.36	.1	14	50	54	2.59	1	.03	8	.78	937	17	.01	85	400	9	1	2	46	1	.07	1	54.0	3	287
96NL 1100 720E	.5	2.48	1	204	.1	1	.69	.1	21	56	33	4.47	1	.02	16	.93	477	15	.01	33	560	6	4	3	21	1	.14	1	126.3	3	118
96NL 1100 740E	1.1	2.08	1	202	.1	4	.77	.1	15	44	21	3.77	1	.02	13	.79	364	12	.01	28	450	12	5	3	17	1	.16	1	113.0	3	90
96NL 1100 760E	.5	1.13	24	247	.1	1	.42	.1	7	28	26	2.15	1	.04	9	.60	288	9	.01	24	600	12	1	1	13	1	.04	1	43.3	1	68
96NL 1200 140W	.7	1.10	1	209	.1	7	.42	.1	8	26	14	2.49	1	.03	4	.25	662	7	.01	13	650	25	1	2	13	1	.14	1	101.8	3	54
96NL 1200 120W	.7	.94	1	205	.1	7	.38	.1	9	24	10	2.32	1	.03	3	.23	909	7	.01	12	870	8	1	1	11	1	.14	1	91.9	3	51

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-SJ5+6
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 %	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 1200 100W	.4	1.55	1	206	.1	4	.47	.1	11	32	11	3.07	1	.04	9	.37	627	9	.01	14	600	28	1	2	12	1	.13	1	112.2	2	64
96NL 1200 80W	1.1	2.42	1	349	.1	10	1.28	.1	23	57	70	3.67	1	.03	9	1.14	869	13	.02	45	750	3	5	3	23	1	.21	1	107.3	3	63
96NL 1200 60W	.9	2.26	1	219	.1	5	.85	.1	18	64	46	5.47	1	.03	9	1.03	734	16	.02	37	1110	1	1	4	18	1	.24	1	153.3	3	62
96NL 1200 40W	.7	1.01	1	121	.1	6	.68	.1	9	38	17	2.45	1	.03	3	.27	615	6	.01	12	1120	14	1	1	9	1	.14	1	115.4	4	57
96NL 1200 20W	1.1	1.70	16	378	.1	10	1.20	.1	17	36	49	2.82	1	.03	7	1.04	1337	11	.01	34	630	2	4	2	22	1	.18	1	79.3	1	99
BL 96NL 1200	1.4	2.09	1	385	.1	12	1.18	.1	20	43	52	3.27	1	.02	8	1.24	1078	13	.01	38	380	1	4	2	21	1	.20	1	94.9	2	85
96NL 1200 20E	.9	1.71	8	920	.1	3	.68	.1	19	42	70	3.05	1	.03	12	.98	824	12	.01	34	460	7	5	2	36	1	.12	1	70.1	2	96
96NL 1200 40E	.2	1.85	1	511	.1	1	.34	.1	12	44	47	4.34	1	.03	16	.81	724	14	.01	30	1300	8	1	3	26	1	.07	1	71.2	2	112
96NL 1200 60E	.5	1.99	1	528	.1	1	.32	.1	10	45	38	3.94	1	.02	17	.69	435	12	.01	25	1540	13	6	3	25	1	.08	1	67.3	2	104
96NL 1200 80E	.4	1.36	1	460	.1	1	.60	.1	9	34	24	3.50	1	.03	6	.59	700	11	.01	22	2320	14	1	2	23	1	.09	1	92.9	1	88
96NL 1200 100E	1.0	2.46	1	341	.1	1	1.02	.1	16	62	42	4.47	1	.04	17	1.01	697	15	.01	35	1250	2	4	4	19	1	.16	1	115.5	3	99
96NL 1200 120E	.9	1.73	1	235	.1	5	.69	.1	12	43	25	3.20	1	.04	10	.67	602	11	.01	25	930	14	7	2	14	1	.12	1	98.3	2	72
96NL 1200 140E	.7	1.65	1	468	.1	1	.66	.1	10	43	33	3.31	1	.04	12	.56	434	11	.01	21	410	17	7	2	16	1	.10	1	112.5	3	46
96NL 1200 160E	.5	1.55	1	544	.1	6	.85	.1	18	42	34	2.99	1	.04	9	.65	1470	11	.01	27	480	17	7	2	20	1	.13	1	90.3	2	60
96NL 1200 180E	.9	.96	1	207	.1	10	.65	.1	7	22	9	1.57	1	.04	4	.21	338	5	.01	9	540	10	1	1	13	1	.12	1	70.0	3	37
96NL 1200 200E	1.3	2.11	1	249	.1	12	1.03	.1	17	48	20	3.74	1	.06	10	.79	840	13	.02	26	640	14	7	3	16	1	.22	1	120.9	4	67
96NL 1200 220E	.8	.89	1	157	.1	9	.53	.1	7	24	10	1.89	1	.03	5	.21	265	7	.01	9	440	10	1	1	15	1	.12	1	88.5	3	49
96NL 1200 240F	3.7	2.80	1	559	.1	14	2.09	.1	18	122	411	3.89	1	.03	9	.71	1651	14	.01	84	710	29	13	3	92	1	.17	1	125.5	7	88
96NL 1200 260E	1.3	1.59	1	155	.1	11	1.06	.1	13	51	15	3.18	1	.02	9	.60	364	10	.01	22	440	16	6	2	14	1	.20	1	123.1	5	97
96NL 1200 280E	1.3	1.69	1	242	.1	10	1.37	.1	15	60	26	3.12	1	.02	10	.82	511	11	.01	30	430	5	6	2	32	1	.18	1	102.9	5	69
96NL 1200 300E	2.0	1.76	18	391	.1	11	1.59	.1	16	76	336	2.91	1	.03	13	.85	1092	12	.01	62	440	12	7	2	65	1	.12	1	70.2	5	147
96NL 1200 320E	1.3	2.14	6	274	.1	2	.92	.1	21	72	58	4.15	1	.03	12	1.31	635	15	.01	47	250	1	1	3	42	1	.15	1	122.6	3	113
96NL 1200 340E	.8	1.08	29	286	.1	2	.44	.1	11	34	46	2.34	1	.03	9	.64	508	10	.01	34	200	13	1	2	55	1	.06	1	45.2	1	68
96NL 1200 360E	1.3	1.48	1	654	.1	1	.92	.1	14	45	38	2.84	1	.04	14	.62	1434	10	.01	38	250	18	1	2	73	1	.07	1	70.5	3	146
96NL 1200 380E	1.6	1.80	1	716	.1	5	1.68	.1	15	83	132	2.75	1	.03	13	.75	1867	11	.02	57	540	21	9	2	77	1	.11	1	79.2	5	135
96NL 1200 400E	1.3	1.82	1	420	.1	8	1.00	.1	18	54	35	3.78	1	.04	14	.68	1079	13	.01	31	590	23	5	2	29	1	.17	1	120.3	4	132
96NL 1200 420E	1.1	2.14	1	858	.1	15	1.44	.1	19	62	342	3.26	1	.03	15	.74	4006	13	.01	94	430	38	11	2	70	1	.14	1	99.9	4	164
96NL 1200 440E	1.2	1.72	1	625	.1	11	1.27	.1	17	56	68	3.54	1	.04	8	.44	1860	13	.01	26	460	37	7	2	60	1	.19	1	131.2	4	125
96NL 1200 460E	.7	2.02	1	452	.1	1	.82	.1	16	55	34	4.79	1	.04	16	.83	872	15	.01	29	1050	17	1	3	24	1	.15	1	111.3	2	124
96NL 1200 480E	1.1	1.22	1	276	.1	6	.62	.1	12	30	15	3.00	1	.05	6	.36	1240	10	.01	15	1190	32	1	2	20	1	.11	1	91.3	2	97
96NL 1200 500E	1.2	1.61	1	305	.1	5	.88	.1	16	48	19	4.06	1	.04	7	.55	601	12	.01	21	1280	23	2	2	23	1	.17	1	124.0	3	129
96NL 1200 520E	1.3	.99	1	343	.1	8	.71	.1	12	31	11	2.61	1	.06	5	.25	1172	9	.01	13	800	34	1	1	21	1	.13	1	91.2	3	126
96NL 1200 540E	1.3	1.88	1	262	.1	8	.71	.1	18	54	23	4.51	1	.04	13	.69	777	16	.01	26	710	15	2	3	19	1	.19	1	129.6	3	145
96NL 1200 560E	1.2	1.75	1	469	.1	5	.68	.1	17	48	17	3.74	1	.06	10	.55	952	13	.01	23	640	25	6	2	22	1	.14	1	108.0	2	140
96NL 1200 580E	1.0	1.49	1	338	.1	1	.55	.1	11	35	25	3.50	1	.05	10	.57	704	12	.01	19	800	21	5	2	20	1	.11	1	94.0	1	112
96NL 1200 600E	.9	1.52	1	517	.1	2	.40	.1	13	35	39	3.95	1	.04	9	.62	601	14	.01	24	790	21	2	2	19	1	.11	1	95.3	1	123
96NL 1200 620E	.9	.25	76	158	.1	1	.09	.1	2	8	8	.57	7	.03	1	.08	194	4	.01	7	170	6	3	1	6	3	.01	3	11.8	2	38
96NL 1200 640E	.9	.32	43	217	.1	1	.08	.1	2	8	9	.67	9	.03	2	.11	38	5	.01	7	200	6	3	1	7	3	.01	3	12.6	2	47
96NL 1200 660E	1.0	.38	4	265	.1	1	.09	.1	2	9	16	1.06	1	.04	4	.23	135	7	.01	10	330	3	1	1	7	1	.01	2	13.9	1	57
96NL 1200 680E	.5	.56	1	171	.1	1	.09	.1	4	14	26	2.34	1	.03	5	.33	219	9	.01	19	810	10	1	1	7	1	.01	1	18.2	1	129
96NL 1200 700E	1.1	.57	1	372	.1	1	.17	.1	6	14	32	1.85	1	.03	6	.35	561	9	.01	27	440	5	1	1	8	1	.01	1	13.8	1	139
96NL 1200 720E	1.5	.45	1	269	.1	1	.11	.1	5	12	27	1.44	1	.03	5	.27	610	8	.01	17	320	7	1	1	6	1	.01	1	13.4	1	77
96NL 1200 740E	.8	.37	1	129	.1	1	.06	.1	2	8	19	1.12	1	.02	4	.22	85	7	.01	11	360	1	1	1	4	1	.01	1	11.3	1	67
96NL 1200 760F	.5	.85	1	179	.1	1	.15	.1	5	19	22	2.15	1	.06	10	.44	145	11	.01	18	1270	21	1	1	24	1	.01	1	29.0	1	134
96NL 1200 780E	1.8	1.86	1	244	.1	1	.77	.1	16	84	51	4.22	1	.05	15	1.21	533	24	.01	70	2050	1	1	3	31	1	.09	1	84.1	3	215
96NL 1200 800E	1.5	1.53	1	232	.1	1	.36	.1	9	66	31	3.75	1	.06	11	.68	224	22	.01	41	1190	30	3	2	31	1	.06	1	78.5	4	189
96NL 1300 100E	1.6	1.32	1	360	.1	18	.88	.1	11	39	15	2.73	1	.04	5	.40	433	10	.01	15	700	25	1	2	18	1	.22	1	124.7	3	55
96NL 1300 120E	1.6	2.29	1	433	.1	12	1.21	.1	18	52	42	3.39	1	.03	11	1.01	565	14	.01	34	490	5	7	2	26	1	.21	1	105.9	3	59

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-SJ7
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
96NL 1300 140E	.9	2.24	1	445	.1	7	.66	.1	17	59	31	3.60	1
96NL 1300 160E	1.2	1.73	1	459	.1	12	1.30	.1	12	42	19	2.71	1
96NL 1300 180E	1.4	2.20	1	410	.1	14	1.51		16	53	38	3.23	1
96NL 1300 200E	1.3	2.23	1	279	.1	10	1.37		16	46	29	3.52	1
96NL 1300 220E	1.7	2.24	1	283	.1	16	1.52		16	52	25	2.85	1
96NL 1300 240E	1.8	2.19	1	214	.1	17	1.37	.1	18	48	27	3.39	1
96NL 1300 320E	1.2	2.61	1	203	.1	6	1.18	.1	21	123	30	3.94	1
96NL 1300 340E	1.1	2.26	1	184	.1	[illegible]	1.02	.1	19	99	16	4.43	1
96NL 1300 360E	1.8	2.15	1	133	.1	[illegible]	.84	.1	19	82	18	4.36	1
96NL 1300 380E	1.4	1.79	1	184	.1	10	1.00	.1	16	67	11	3.02	1
96NL 1300 400E	1.6	2.13	1	209	.1	14	1.33	.1	18	66	18	3.18	1
96NL 1300 420E	1.9	2.14	1	270	.1	15	1.42	.1	18	73	22	3.20	1
96NL 1300 440E	.5	1.73	1	835	.1	2	.66	.1	19	49	42	4.01	1
96NL 1300 660E	.1	4.05	1	668	.1	1	.82	.1	54	303	143	7.01	1
96NL 1300 680E	.5	3.59	1	868	.1	1	1.43	.1	57	347	177	6.47	1
96NL 1300 700E	1.2	1.32	1	290	.1	1	.48	.1	22	48	70	3.13	1
96NL 1300 720E	.9	2.71	60	442	.1	1	.53	.1	47	194	41	4.77	1
96NL 1300 740E	1.0	1.06	1	319	.1	1	.24	.1	10	19	32	2.56	1
96NL 1300 760E	.3	1.12	1	595	.1	1	.34	.1	12	16	20	2.42	1
JACKAROO	1.0	2.24	1	57	.1	1	1.07	.1	21	51	51	4.07	1

SAMPLE NUMBER	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 1300 140E	.04	17	.97	549	13	.01	32	610	1	1	2	22	1	.18	1	105.1	3	87
96NL 1300 160E	.03	7	.58	298	9	.01	19	450	9	1	2	20	1	.25	1	123.7	2	54
96NL 1300 180E	.03	8	.77	444	11	.02	27	460	3	2	2	20	1	.26	1	126.1	3	60
96NL 1300 200E	.03	8	.88	462	12	.02	29	750	1	1	2	22	1	.23	1	119.9	2	52
96NL 1300 220E	.02	6	.88	484	11	.02	28	330	7	7	2	17	1	.24	1	108.2	3	39
96NL 1300 240E	.04	7	.91	453	13	.01	28	410	4	5	2	18	1	.26	1	123.9	3	48
96NL 1300 320E	.02	17	1.44	410	14	.02	54	240	1	1	3	22	1	.19	1	140.7	4	43
96NL 1300 340E	.03	15	1.20	443	15	.02	39	650	1	1	3	18	1	.23	1	152.6	4	61
96NL 1300 360E	.02	13	.90	368	14	.01	32	330	1	1	3	19	1	.25	1	153.8	4	85
96NL 1300 380E	.02	8	.77	469	11	.02	27	270	8	3	2	12	1	.20	1	117.1	4	61
96NL 1300 400E	.03	9	.92	449	11	.02	32	250	1	3	2	17	1	.24	1	120.4	4	48
96NL 1300 420E	.04	9	.96	445	12	.02	34	250	1	4	2	18	1	.26	1	120.1	4	57
96NL 1300 440E	.05	15	.47	1194	13	.01	32	420	22	2	2	19	1	.12	1	105.3	3	363
96NL 1300 660E	.07	37	3.05	5127	24	.01	178	400	1	1	5	42	1	.10	1	121.4	7	161
96NL 1300 680E	.07	32	3.55	3783	21	.01	184	730	1	1	5	73	1	.12	1	129.4	8	185
96NL 1300 700E	.13	12	.83	857	14	.01	55	440	214	1	2	25	1	.01	1	31.6	1	289
96NL 1300 720E	.06	29	2.72	1653	19	.01	96	520	1	1	4	25	1	.12	1	106.4	4	262
96NL 1300 740E	.10	9	.44	438	14	.01	28	1030	51	1	1	21	1	.01	1	26.0	1	625
96NL 1300 760E	.13	8	.32	1093	10	.01	18	860	231	1	1	27	1	.01	1	20.9	1	467
JACKAROO	.03	15	1.27	590	14	.01	37	580	1	1	3	28	1	.15	1	122.5	1	43

Rock

COMP: MR DAVE HAYWARD
PROJ:
ATTN: Dave Hayward

MIN-EN LABS — ICP REPORT

ROCK

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	Ba PPM	Be	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 0+65E	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	460	1	1	2	6	1	.24	1	99.1	2	40
96NL 1200 100W	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 1300 2+00E	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 220E	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 445E (4456)	.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 (4518)	.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	.41	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.[illegible]	[illegible]	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.[illegible]	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	2.74	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
JACKAROO	.9	.97	1	39	.1	8	.72	.1	13	151	145	2.95	1	.12	5	.30	98	32	.10	49	320	7	1	2	40	1	.13	1	171.1	10	25

ROCK

MIN-EN LABS — ICP REPORT

8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8
TEL:(604)327-3436 FAX:(604)327-3423

COMP: MR. DAVE HAYWARD
PROJ:
ATTN: Dave Hayward / Gary Lee

FILE NO: 7S-0190-RJ1
DATE: 97/08/13
* * (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
97N RTS	2.0	2.33	16	132	1.6	40	1.54	1.1	37	133	80	7.34	1	.02	1	1.78	825	1	.05	53	550	32	3	1	1	1	.50	1	130.5	7	67
97N 1320N 450E	.1	1.89	5	6779	.9	6	2.28	3.1	17	130	126	2.11	12	.06	1	.17	2460	2	.01	58	410	40	10	1	170	1	.01	1	50.2	7	59

MINERAL
·ENVIRONMENTS
LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

VANCOUVER OFFICE:
8282 SHERBROOKE STREET
VANCOUVER, B.C., CANADA V5X 4E8
TELEPHONE (604) 327-3436
FAX (604) 327-3423

SMITHERS LAB:
3176 TATLOW ROAD
SMITHERS, B.C., CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Quality Assaying for over 25 Years

Assay Certificate

7S-0190-RA1

Company: **MR. DAVE HAYWARD**
Project:
Attn: Dave Hayward / Gary Lee

Date: AUG-13-97

We hereby certify the following Assay of 2 ROCKS samples submitted MMM-DD-YY by .

Sample Number	Au-fire g/tonne	
97N RTS	.01	
97N 1320N 450E	.02	ROCK

Certified by ____________________

MIN-EN LABORATORIES


1997
GEOPHYSICS
1997
1997
ANDESITE WITH PY FLUOR
FELSIC VOLCANIC
1
2
3
4
5
6
7
GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT
25,532
L2000N
L1900N
L1700N
L1400N
L1300N
L1200N
L1100N
L1000N
L900N
L800N
L700N
L500N
1500E
1400E
1300E
900E
800E
700E
600E
500E
400E
300E
200E
100E
0 BL
100W
200W
318° Az. 138° → 0 B.L.
CREEK →
LEGEND
CREEK
CLAIM BOUNDARY
ROAD
LINES - FLAGGED AT 20m STATIONS AND PICKED AT 10m INTERVALS
B.L. HAS PICKETS W/ METAL TAGS
BASE STATION (MAG)
MAG HIGHS - GAMMAS
MAG LOWS - GAMMAS
CONTOURS
VLF S - SEATTLE, WASH.
C - CUTLER, MAINE
READING DIRECTION - FACE

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT
25,532
1997
1997
PROSPECTING AREA 1997
LEGEND
CREEK
CLAIM BOUNDARY
ROAD
MAG HIGHS - GAMMAS
MAG LOWS - GAMMAS
VLF S - SEATTLE, WASH.
C - CUTLER, MAINE
I.P. - INFLECTION POINT
CONDUCTOR AXIS (VLF)
-10% 0 +10%
0 100 METRES
SCALE 1:2000
NINA MINERAL PROPERTY
GEOPHYSICAL SURVEY
V.L.F AND
MAGNETOMETER PLAN
DIAGRAM #1
OWNERS: DAVID HAYWARD
GARY LEE
OMINECA, B.C. MINING DISTRICT
CLAIMS: NINA 1-96 #343848
NINA 2-96 # 343850
FEUER 1-96 # 343849
MAP N.T.S. 93N/15W
REVISED: JUNE-JULY 1996
JULY 1997
318° Az. 138° 0 B.L.
0 BL
CREEK
ANDESITE WITH PY FLOAT
FELSIC VOLCANIC
1
2
3
4
5
6
7