TREASURE VALLEY EXPLORATION LTD

ASSESSMENT REPORT

GEOLOGICAL-GEOCHEMICAL-GEOPHYSICAL

SURVEYS OF THE

LAURIE MINERAL CLAIMS GROUP

KAMLOOPS MINING DIVISION

LILLOOET - LYTTON AREA

BRITISH COLUMBIA

Latitude: 50° 22.'5 North: Longitude: 121° 39.'5 West

Geological Survey: William J. Weymark P. Eng.

Geochemical Survey: William Chang M. Sc, Field Surveys
William J. Weymark, P. Eng. Interpretation

Geophysical Surveys:
William Chang M. Sc. McGill Geophysics
William J. Weymark P. Eng.

Assays and Chemical Analysis: Cantest Ltd. Vancouver, B. C.

30th MAY 1980

TREASURE VALLEY EXPLORATION LTD.

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SURVEYS OF THE

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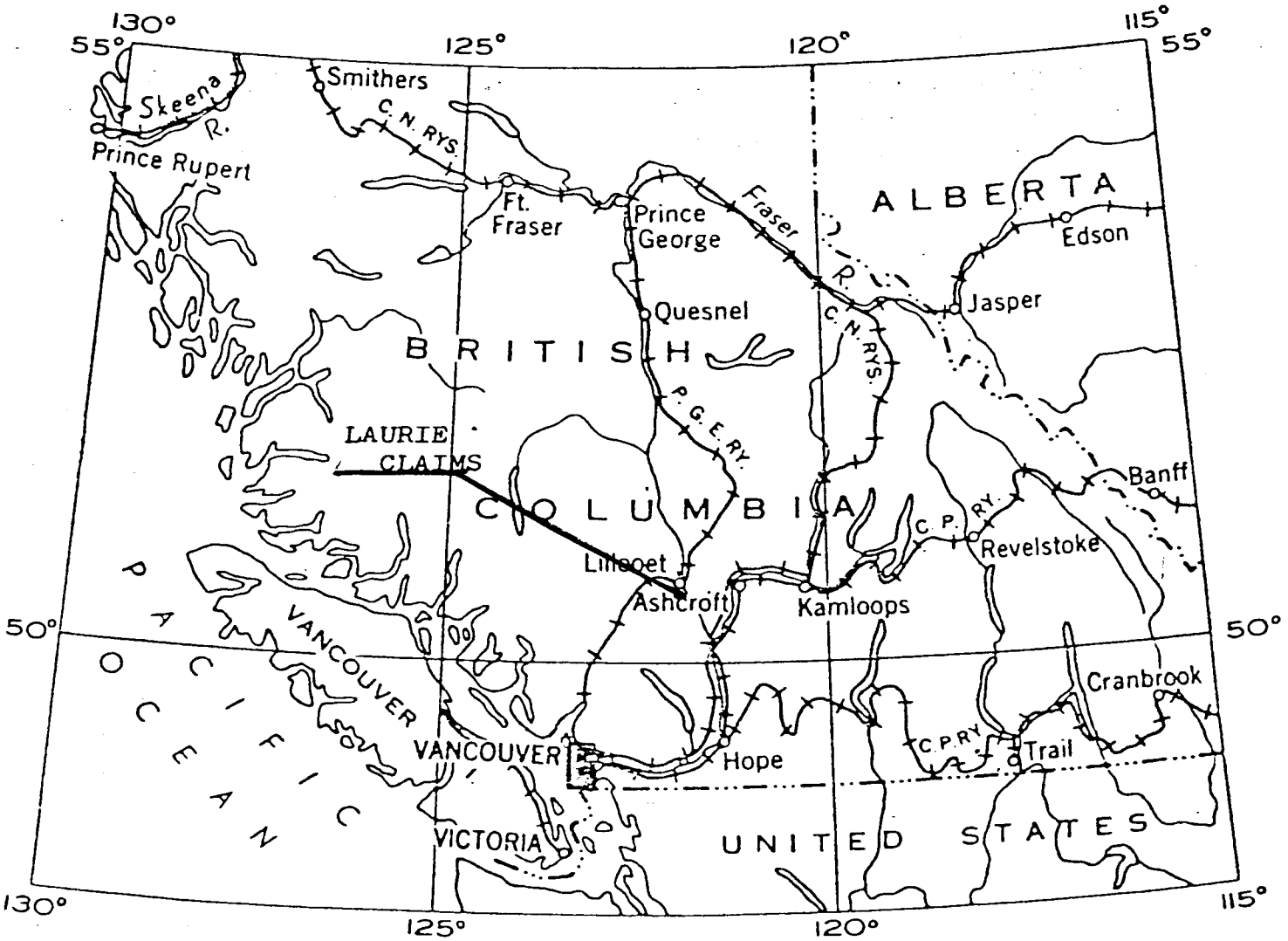

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LOCATION

LAURIE MINERAL CLAIM GROUP

KAMLOOPS MINING DIVISION

LILLOOET - LYTTON AREA

BRITISH COLUMBIA

WEYMARK ENGINEERING LTD.
Consulting Engineers
3310 WESTMOUNT ROAD
WEST VANCOUVER, B.C.
CANADA

TELEPHONE
922-1536

30 May 1980

The Directors
Treasure Valley Exploration Ltd
834 - 470 Granville Street
Vancouver, British Columbia

Gentlemen:

Re; Assessment Report
Geological-Geochemical-Geophysical
Surveys, Laurie Mineral Claims Group
Kamloops Mining Division
British Columbia

We are pleased to submit for your information, this Assessment Report relating to the Geological-Geochemical-Geo-Physical surveys undertaken on the Laurie Claim Group, completed during the field season September 1979 - May 1980.

Geological mapping in the field and correlation in the office was by William J. Weymark P. Eng. Geochemical - Geophysical Surveys were by Wm. Chang M. Sc. Geochemical Analyses were by Cantest Ltd., Vancouver, British Columbia.

Background technical references relating to the Claims Group are given in the following Reports.

i. Weymark Engineering Ltd., Primary Report, 30th April 1980
ii. Memoir 262 Geological Survey of Canada, Ashcroft Map Area, British Columbia By: S.Duffell and K. C. McTaggart, 1952

1.0 Property:

The claims covered by the Surveys of this Report are the following:

Laurie One Unit of 9 claims, Record Number
Recorded 15 June 1979
Reference Mineral Claim Map - 92 I/5E
Kamloops Mining Division, Kamloops Recording Office
Geographical Co-ordinates; 50° 22.5'N; 121° 39.5'W
Reference Land Map: Lytton, Sheet 92 I/SW

2.0 Access and Location:

Access to the claims is easy by automobile being North 12 miles from Lytton on paved Highway No. 12. See Figures 2 and 3. Restricted access occurs only during heavy snowfall and fire-peril periods. All sections of the claims are of easy traverse.

3.0 Climate: Climatic conditions are classified as Interior, hot summers and cold winters. Rainfall is sparse. Climatic conditions would not adversely affect works programmes, except during extreme snowfall and fire-peril-periods.

4.0 Physiography:

The claims are located on the East-Bank ridge slope of the Fraser River. Elevations range from water level of about 500 feet for the Fraser River to over 1500 feet elevation on the East Boundary of the property. The upper sections of the claims are covered with sparse fir-pine timber and the lower sections by spruce-hemlock with deciduous mix growth, as well as some farm cultivation. Sections of the eastern slope are talus covered with adjacent bed-rock exposures. Overburden ranges from a few inches to several feet. Slopes are steep, particularly the river banks. See Figure: 3

5.0 Geology:

The published references relating to the geological characteristics of the area is Memoir 262, Geological Survey of Canada, Ashcroft Map-Area, British Columbia by S. Duffell and K. C. McTaggart, 1952 with enclosed maps, see Figure: 4.

As shown thereon, the base formation is the Mount Lytton Batholith of Mezoic age succeeded by Greenstones of the Cache Creek Group, Permian and/or Earlier; Schist and Gneiss,- all of the Palaeozoic period and sediments - metavolcanics of the Jackass Mountain Group of Mesozoic topped by glacial deposits and debris of the current Quaternary - Pleistocene period. The dominant structural feature is the Fraser River Fault. Associated shears, slips and fractures attend this major structural feature.

The Mount Lytton Batholith consists of Granodiorite, granite, quartz diorite and diorite. Some portions of these bodies have been extensively albitized and prehenitized as well as being intruded by albite and related dykes. The Greenstones of the Cache Creek Group are altered and deformed with talc, chlorite and sericite schists being present. The Sediments of the Jackass Mountain Group are largely greywacke, argillite, conglomerate and arkose.

Figure: 5 depicts the outcrop map developed from the field mapping completed in this programme by William J. Weymark P. Eng. The distribution of the rock types and shear-fault zones is portrayed thereon, the rocks of interest from a metallic mineral basis is the Albitized-sericitized grano-diorite exposed on the easternly set of claims. Additional detailed mapping and testing is required to define relationships.

The metallic mineral zones, containing copper and zinc mineralization together with minor amounts of antimony, lead, molybdenum, titanium and other class related, see Annex-B follow major shear-fault zones with cross slips and fractures. The strike is mainly Northwesterly with dips to the East. It is considered that these shear-fault zones provide the areas of interest for the location of metallic deposits.

6.0 Geochemical Survey: As part of the initial phase of the investigation of the metalliferous possibilities of the Laurie Claims Group, a Geochemical testing of the soils for Copper and Zinc was carried out under the direction of Weymark Engineering Ltd. Soil samples of the B Horizon of the soil profile were taken on 200 - 400 grid basis, See Figure: 6. The record of the samples and analyses is given in Annex - C. Chemical Analyses were made by Cantest Ltd,

of Vancouver, B. C. using HC1O4 and Atomic Absorption. Plots of the results are given on Figures; 6 and 7, respectively for Copper and Zinc.

Figure: 8 summarizes the mathematical characteristics of the sampling results for both Copper and Zinc., viz:-

Mathematical Summaries

	Copper	Zinc
Average	29.2 PPM	66.2PPM
Standard Deviation	11.5 "	26.0 "
Variance	132.3 "	676.0 "
Threshold	45	82

Figure: 9 depicts the areal pattern of metal abundance throughout the Cordillera and the Histogram of the average level of metal background in the soils-rock formations. As noted thereon, the background for Copper is 60 PPM and for Zinc - 80 PPM. Anomalous conditions for each of these metals exist on the Laurie Claims, see Annex-B and Figures: 6 and 7.

Results:

Figures: 6 and 7 depict planemetric plots of the chemical analyses of the soil samples respectively for Copper and Zinc from the Laurie Claims. Anomalous values for Copper range from 45 to 67 PPM and for Zinc from 82 to 179 PPM

As shown on Figure: 6 a major anomalous zone exists between Grid points 20°00N - 30+00N and 18+00W -22+00W. Other smaller sized zones are at 0+00N; 10+00N and 40+00N. These may be peripheral indications of a major composite zone.

Figure: 7 presents the results of the Zinc soil sampling. Larger manifestations are revealed for zinc anomalous conditions to those indicated for copper, although the same ground locations for each metal is indicated.

These anomalous zones provide areas of interest worthy for further investigation.

7.0 Geophysical Surveys:

Magnetometer and Electro-Magnetic geophysical surveys were carried out using the referenced Grid System as used for the Geological and Geochemical Surveys.

The Magnetometer Survey was conducted using a Scintrex Fluxgate Magnetometer, MF - 2/100, Model 753011, Serial Number 7905203. Reading differences were referenced to Station Grid 12+00N; 18+00W set at 500 Gammas. The readings are given on Figure: 10 and were taken by William Chang, M. Sc. Geophysics McGill University. The dominant High anomalous zone extends from 0+00 N to 40+00 N and from 0+00 W to 22+00 W. "Lows" persist about the 0+00W and 20+00W lines. The trend is mainly North-South.

The EM-Geophysical Survey was conducted using a Scintrex Scopas Instrument, Scintrex Manufacture, Serial Number 101023, SE 80, Model 707022 and Reference Transmitting Station Jim

Creek, Washington, USA, 48N12; 121W55; 18.6KHZ, 250 KW. Details of the instrument are given in Annex - C. The readings of the Survey for the various phases are given on:-

Figure: 11 - E.M.(VLF) Azimuth Contours
Figure: 12 - E.M.(VLF) Vertical Field Contours
Figure: 13 - E.M.(VLF) Dip Angle Contours

The readings in the field were taken by Wm. Chang M.Sc., Geophysics McGill University. Interpretation was by Wm. Chang MSc in conjunction with W. J. Weymark P. Eng.

Anomalous zones were indicated by the surveys as depicted on the respective phases, See Figs: 11, 12 and 13.

Results:

A Composite Plot of the Anomalous zones as interpreted for the Geochemical and Geophysical, EM and Magnetometer surveys is given on Figure: 14. As indicated thereon, major coincidence of the zones occurs about the 18+ - 22+00 W Grid Line, with "Low" zones on either side. These are of Major Significance.

8.0 Summary Conclusions:

The results of the Geological - Geochemical - Geophysical Surveys as presently interpreted are:

1. The Geological Formations provide a favourable setting for Copper-Zinc and other metallic minerals deposition. Similar occurrences exist in the general area of Lytton-Ashcroft-Kamloops-Highland Valley sections of British Columbia. Although the mix of Copper-Zinc and the mineral types may be different, the setting is ideal for Copper-Zinc and related mineral occurrences.
2. Copper and Zinc anomalous zones of significance occur in relation to the presently investigated zones and extent beyond presently exposed boundaries.
3. Magnetometer and EM-Geophysical Anomalous zones have been defined by the surveys and are in general coincidence with the Geochemical and Geological trends.

9.0 Recommendations:

On the bases of the results obtained from the relating Geological-Geochemical-Geophysical Surveys conducted and referred to in this Report, it is considered that further field tests are warranted to assess the commercial metallic mineral potentialities of the Laurie Claims. Future programmes should include the work items presented in Weymark Engineering Ltd., Primary Report dated 30th April 1980 including detailed geological mapping, extensions to the existing Geophysical and Geochemical Surveys and diamond drilling to determine the extent and distribution in depth of the Copper-Zinc and other metallic mineral possibilities of the Claims Group.

Respectfully submitted,

30th May 1980

William J. Weymark P. Eng.

CERTIFICATE

I, William James Weymark, P. Eng., Consulting Engineer, President of Weymark Engineering Ltd., of the District of West Vancouver, of the Province of British Columbia, hereby certify that:

1. I am a graduate of Mining Engineering of Queen's University Kingston, Ontario, B. Sc., 1940 and have been practising my profession for thirty-five years.

2. I am a member of the Association of Professional Engineers of the Province of British Columbia, the Consulting Engineers Division of the Association of Professional Engineers of British Columbia, and The Consulting Engineers of Canada.

3. I am a practising Consulting Engineer and reside at 3310 Westmount Road, West Vancouver, British Columbia.

4. I am a member of the Canadian Institute of Mining and Metallurgy and of the American Institute of Mining, Metallurgical and Petroleum Engineers, and of the American Geophysical Union.

5. I have no direct or indirect interest whatsoever in Treasure Valley Explorations Ltd., or in the Laurie Mineral Claims, nor do I expect and interest, direct or indirect in this organization or property or any affiliate or any security of the Company.

6. The findings of the accompanying report are based on my personal examination of the Laurie Mineral Claims on the 15th June 1979 and March-April 1980 and review of available information.

Dated at West Vancouver, British Columbia, this 30th Day of May 1980.

William J. Weymark P. Eng.
President
Weymark Engineering Ltd.

APPENDICES

92I/5E

Record of Mineral Claim
FORM G

ANNEX - A

RECORD NO. 1908

MINING RECEIPT NO. 130764E RECORDED AT Kamloops B.C. THIS 15 DAY OF June 15 19 79

DO NOT WRITE IN SHADED AREAS

Gold Commissioner

Kamloops
MINING DIVISION

Affidavit for Mineral Claim

I, STUART MOORE (NAME) AGENT FOR (NAME)

512 - 921 W. PENDER ST. VANCOUVER, B.C. (ADDRESS)

VALID SUBSISTING F.M.C. NO. 175933

VALID SUBSISTING F.M.C. NO.

MAKE OATH AND SAY.- I COMMENCED LOCATING THE LAURIE MINERAL CLAIM

ON THE 2 DAY OF JUNE, 19 79 AT 7:00 A.M. (TIME INDICATE A.M. OR P.M.) AND COMPLETED THE LOCATION

ON THE 2 DAY OF JUNE, 19 79 AT 12:30 P.M. (TIME INDICATE A.M. OR P.M.) CONSISTING OF

3 (NUMBER) UNIT LENGTHS NORTH (DIRECTION) AND 3 (NUMBER) UNIT LENGTHS WEST (DIRECTION) AND I HAVE IMPRESSED ALL THE REQUIRED INFORMATION

ON METAL TAGS NO. 50552, WHICH HAS BEEN SECURELY FASTENED TO THE POSTS AS REQUIRED UNDER THE REGULATIONS.

IDENTIFICATION POST(S) NOT PLACED WERE

CHECK "X" APPLICABLE SQUARE

[X] THE LEGAL CORNER POST

[ ] † THE WITNESS POST FOR THE LEGAL CORNER POST

IS SITUATED APPROX. 1500 METRES SOUTH OF IZMAN CREEK AND APPROXIMATELY 1200 METRES EAST OF THE FRASER RIVER.

(PRECISELY DESCRIBE POSITION OF POST RELATIVE TO KNOWN TOPOGRAPHICAL OR SURVEYED FEATURES THAT RELATE TO FEATURES ON A MAP)

† BEARING AND DISTANCE TO TRUE POSITION OF LEGAL CORNER POST FROM THE WITNESS POST °

BEARING AND DISTANCE FROM IDENTIFICATION POST TO WITNESS POST °

I HAVE COMPLIED WITH ALL THE TERMS OF THE MINERAL ACT AND REGULATIONS PERTAINING TO THE STAKING OF MINERAL CLAIMS AND HAVE ATTACHED A PLAN, ACCEPTABLE TO THE MINING RECORDER, OF THE LOCATION.

SWORN AND SUBSCRIBED TO AT

THIS DAY OF 19 BEFORE ME

SIGNATURE

* THIS AFFIDAVIT MAY BE TAKEN BY A PERSON EMPOWERED TO TAKE AFFIDAVITS BY THE EVIDENCE ACT OF BRITISH COLUMBIA

SUB RECORDER
RECEIVED
JUN 15, 1979
130764-E 45-W
VANCOUVER, B.C.
MR OR SMP STAMP

NO. OF UNITS 9 PER YEAR

WORK NUMBERS	CLAIM	MINING RECEIPT AND DATE RECORDED	TYPE OF WORK	YEAR OF EXPIRY	CREDIT: NGPA UNITS	CREDIT: RENTAL IN $'S	TRANSFERS (IN'S ASS'N'TS, CONVEYANCES)
							Mar 6/80 D/D #2308 all int to Treasur Valley Explorations Ltd.

CENTRAL RECORDS

can test ltd.

1650 PANDORA STREET, VANCOUVER, B.C. V5L 1L6 • TELEPHONE 254-7278 • TELEX 04-54210

Report On Geochemical Analysis

File No. 5328D

Report No.

Reported To Weymark Engineering

P.O. #

1063 Balfour Street

Date April 23, 1980

Vancouver, B.C.

Attention:

We have tested the 166 samples submitted by you on April 9, 1980 and report as follows:

SAMPLE IDENTIFICATION	COPPER ppm Cu	ZINC ppm Zn
A 000 N	58	80
A 200 N	46	151
A 400 N	41	55
A 600 N	17	49
A 800 N	19	49
A 800 N 200 W	26	44
A 1000 N	24	26
A 1200 N	59	42
A 1400 N	11	21
A 1600 N	38	53
A 1800 N	18	62
A 2000 N	20	69
A 2200 N	22	55
A 2400 N	21	57
A 2600 N	21	42
A 2800 N	20	34
AB 400 N	19	38
AB 1700 N	19	22
B 0+00	13	92
B 200 N	15	42
B 200 S	38	39
B 400 N	17	37
B 600 N	32	79
B 800 N	31	44
B 1000 N	46	66
B 1200 N	46	86
B 1400 N	34	86

Sample Identification	Copper ppm Cu	Zinc ppm Zn
B 1600 N	13	49
BC 0+00	24	78
BC 200	13	55
BC 400 N	30	62
C 0+00	37	131
C 400 N	44	109
C 600 N	36	118
C 1000 N	30	69
C 1200 N	38	68
CD 0+00	23	75
CD 600 N	25	95
D 0+00	24	72
D 800 N	43	103
DE 0+00	22	56
DE 200 N	20	55
DE 400 N	19	44
DE 600 N Bag Marked Opposite Side	15	62
DE 800 N	16	80
E 0+00	16	45
E 600 N	19	43
E 800 N	33	123
EF 0+00	21	50
EF 600 N	20	50
EF 800 N	35	94
EF 1000 N	41	80
EF 1200 N	47	94
F 0+00	7	15
F 600 N	9	12
F 800 N	24	46
F 1400 N	34	52
F 1600 N	18	64
F 1800 N	18	55
F 2000 N	16	64
FG 0+00	18	42
FG 400 N	33	59
FG 600 N	26	57
FG 2000 N	25	55
G 0+00	33	64
G 400 N	25	61
G 600 N	25	55
G 1600 N	28	55

Sample Identification	Copper ppm Cu	Zinc ppm Zn
G 1800 N	19	59
G 2000 N	22	51
GH 0+00	18	50
GH 200 N	19	50
GH 400 N	22	50
GH 600 N	21	71
GH 800 N	30	73
H 200 N	22	75
H 600 N	28	64
H 800 N	39	72
P 000 N 500 W	45	76
P 600 W	14	64
P 800 W	13	37
P 0N 1600 W	12	47
P 00 N 1800 W	24	63
P 0+00 2000 W	28	78
P 0+00 2400 W	19	60
P 200 N 800 W	18	58
P 200 N 1600 W	19	128
P 200 N 1800 W	13	117
P 200 N 2000 W	43	93
P 200 N 2400 W	25	55
P 400 N 800 W	18	60
P 400 N 1600 W	34	100
P 400 N 1800 W	21	43
P 400 N 2000 W	23	118
P 400 N 2400 W	21	50
P 600 N 600 W	26	66
P 600 N 800 W	27	65
P 600 N 1600 W	26	109
P 600 N 1800 W	32	70
P 600 N 2400 W	21	52
P 800 N 800 W	28	58
P 800 N 1000 W	57	89
P 800 N 1200 W	32	77
P 800 N 1400 W	27	68
P 800 N 1600 W	28	68
P 800 N 1800 W	25	37
P 800 N 2400 W	15	38
P 1000 N 1800 W	39	65

RESULTS OF TESTING:

SAMPLE IDENTIFICATION	COPPER ppm Cu	Zinc ppm Zn
P 1000N 2200W (1)	23	54
P 1000N 2200W (2)	23	64
P 1000N 2400W	22	58
P 1200N 1800W	71	84
P 1400N 1800W	35	78
P 1500N 1200W	35	80
P 1500N 1600W	43	101
P 1500N 1800W	26	75
P 1600N 1000W	14	77
P 1600N 1200W	39	70
P 1800N 1200W	38	56
P 1800N 1400W	41	60
P 200S 500W	30	72
P 200S 1600W	29	86
P 200S 1800W	67	92
P 200S 2000W	40	77
P 200S 2400W	24	71
P 400S 500W	49	101
P 400S 1600W	42	92
P 400S 1800W	43	105
P 400S 2000W	47	104
P 400S 2200W	49	91
P 400S 2400W	20	54
P 600S 500W	35	67
P 600S 1800W	64	96
P 600S 2000W	42	70
P 800S 500W (1)	23	89
P 800S 500W (2)	29	62
P 800S 1600W	94	179
P 800S 1800W	49	91
P 800S 2000W	38	76
P 1000S 500W (1)	28	50
P 1000S 500W (2)	94	80
P 1000S 1800W	40	69
P 1000S 2000W	17	52
P 1200S 600W	18	42
P 1200S 1800W	28	54
P 1300S 500W	21	43
P 1400S 1800W	37	66
P 1600S 1800W	41	152
P 1800S 1800W	46	90
A 3000N	29	68
A 3200N	24	54
A 3400N	23	64
A 3600N	30	50
A 4000N	18	95
A 4200N	18	42
Y 1400N 200E	30	48
Y 1400N 400E	27	38
Y 1600N	37	31
Y 1800N	23	36

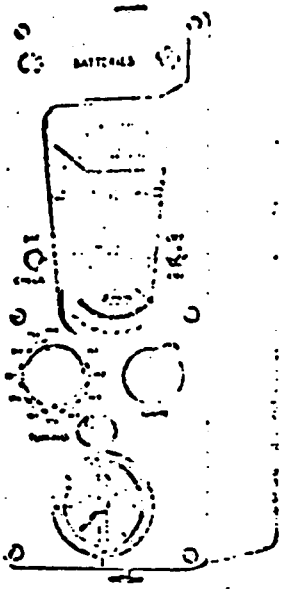
RESULTS OF TESTING:

SAMPLE IDENTIFICATION	COPPER ppm Cu	ZINC ppm Zn
Y 2000N	33	43
Y 2200N	27	42
Y 2400N	16	30
Y 2400N 200W	17	41
Y 2600N 200W	15	31
Y 2800N 200W	14	37
Y 3000N 200W	15	41

CAN TEST LTD.

F.C. Burgess
Chief Assayer

/mf



SCINTREX

SCOPAS* VLF RECEIVER UNIT MODEL

The SCOPAS* VLF System employs V.L.F. Radio Stations in the 15 to 25 kHz Range as primary field sources. The undisturbed field from these remote sources is essentially horizontal and of relatively constant strength. When conductors are present, the geometry and amplitude of the field are locally distorted and polarization of the field may occur.

With the versatile SCOPAS* unit, all amplitudes and geometric parameters as well as the characteristics of the polarization ellipse can be measured. For fast reconnaissance surveys dip-angle and field directions can be rapidly determined. For detailed surveys, amplitude relations and the elliptical polarization in the horizontal and vertical planes can be determined as well. Thus, the operator can select the parameters most useful for his search problem.

*Can. Pat. 678765

SPECIFICATIONS OF SCOPAS VLF ELECTROMAGNETIC UNIT MODEL SE-80

Primary Field:	From any selected VLF transmitting station in frequency range between 15.4 kHz to 25 kHz.
Station Selection:	By means of an eight step switch and variable control covering full range.
Measured Values:	a) The azimuth of horizontal field. b) The dip of the axis of the coil at the minimum field, measured from the vertical. c) The amplitude of the horizontal field strength in any direction. d) The amplitude of the vertical field strength. The phase angle between the maximum horizontal and vertical field can be calculated from measured values.
Normal Reading Accuracy:	Amplitude ±2%. Azimuth ±2°. Dip ±1°.— Dependent on signal strength.
Batteries:	Two 9 volt dry cells.
Dimensions:	9.66"x 3.68"x 5.80" 24.5 cm x 9.4 cm x 14.7 cm
Weight:	3 lbs. (1.35 kg)
Accessories:	Carrying strap.

SCINTREX LIMITED
222 Snidercroft Road · Concord, Ontario, Canada

McPHAR

M700 Flux Gate Magnetometer

Rugged, reliable instrument for hand-held field operation

Self Levelling sensing head

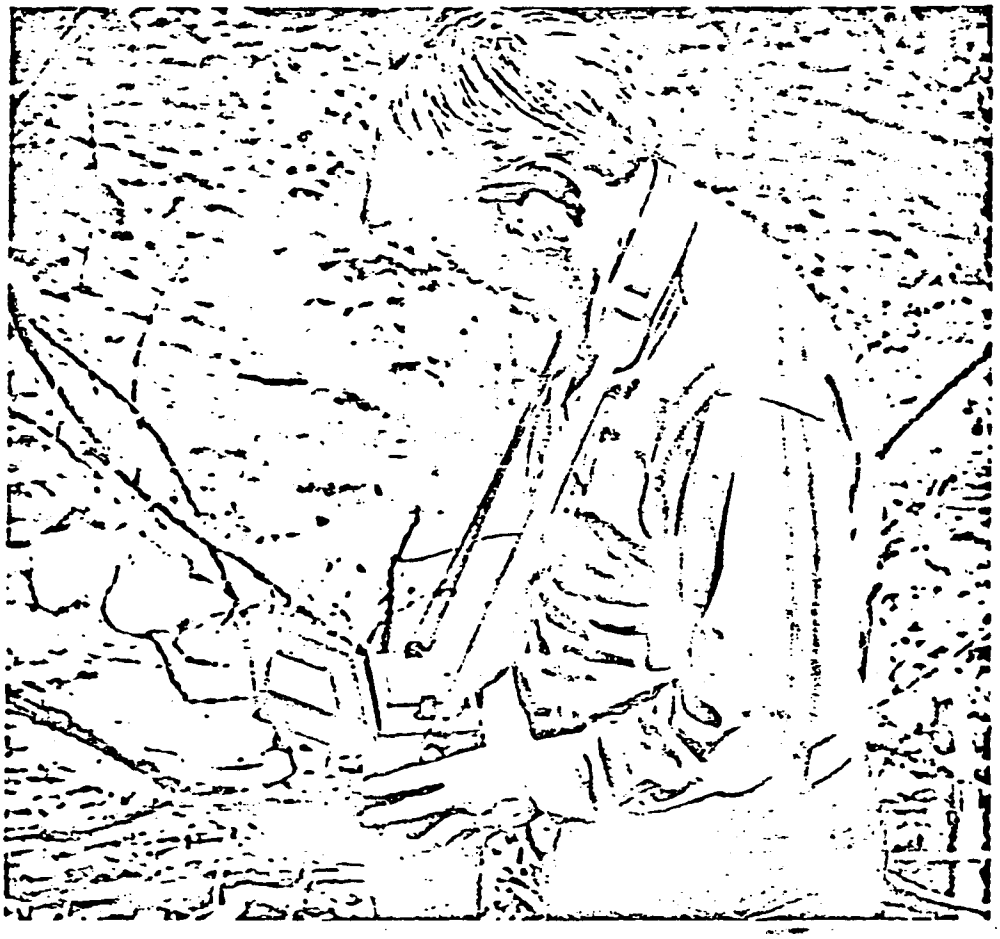
Five scale ranges: 1,000 to 100,000 gammas

Low temperature drift

Latitude adjustment up to ± 100,000 gammas

Reverse measurement polarity by turn of switch

Long battery life



M700 Flux Gate Magnetometer is a simple and efficient instrument for measuring changes in the earth's magnetic field. The two operating controls are mounted on the face of the instrument with the latitude adjustment and accessory socket concealed behind a panel on the side.

For measuring the vertical component of the earth's magnetic field, the instrument is set to zero at a chosen base station.
At each station on the survey the M700 is held roughly level, and a measurement of the increase or decrease in the magnetic field is read off the meter directly in gammas.

Measurement Ranges	Sensitivity
1,000 gammas	20 gammas/div.
3,000 gammas	50 gammas/div.
10,000 gammas	200 gammas/div.
30,000 gammas	500 gammas/div.
100,000 gammas	2,000 gammas/div.

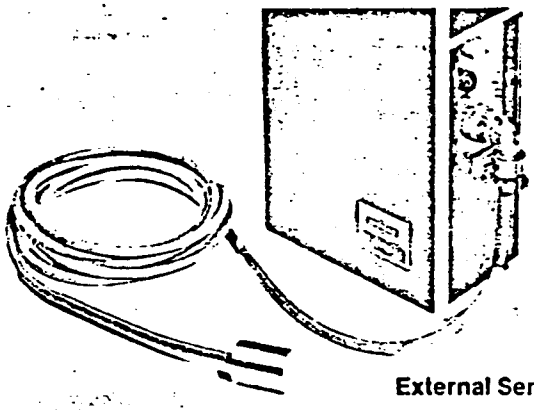
Operating temperatures -35°C. to 55°C.
Temperature drift less than 50 gammas over entire operating range

Dimensions 4 x 7 x 10½ in. (10 x 18 x 27 cm.)

Weight
6½ pounds (3 kg.), less batteries and carrying case
8 pounds (3.8 kg.) with batteries

Batteries
Two internally mounted 9V batteries provide up to two months operation under normal conditions.

Accessories increase flexibility of the M700



External Sensing Head

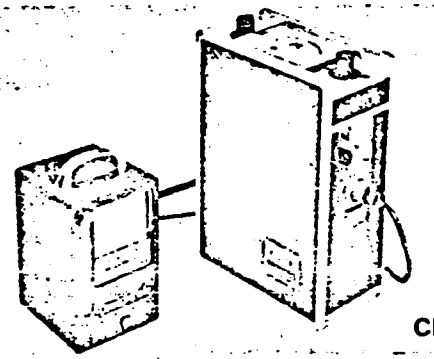
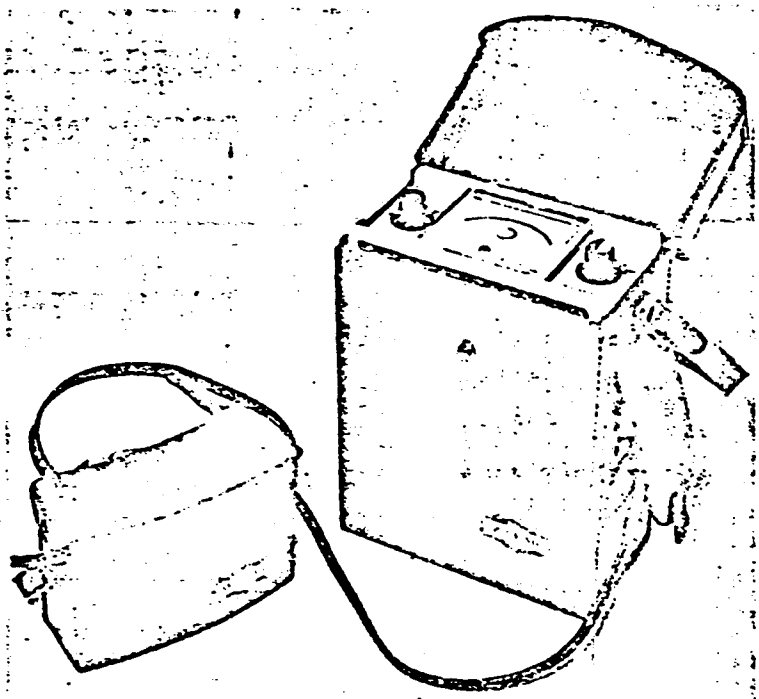


Chart Recorder



External Battery Pack

Side accessory socket allows use of:

external battery pack

chart recorder

external sensing head

horizontal sensing head

Accessory socket is located in the side panel of the M700 along with the latitude adjustment control and accessory switch. It allows the use of various pieces of equipment that extend the range of this instrument.

External Battery Pack For below freezing operation the internal batteries are removed and the external battery pack used. It is carried under the operator's clothing to prevent battery freezing. An alternate external-battery pack is available consisting of 12 "C" size flashlight batteries.

Chart Recorder For long term base station monitoring an external heavy duty battery pack and chart recorder can be attached to the M700. Any current type recorder with a sensitivity of one milliampere for full scale deflection or any potential type recorder with a sensitivity of one volt for full scale deflection can be used with the magnetometer.

External Sensing Head An external sensing head can be used on the M700 without modification to the instrument. The sensing head plugs into the accessory socket.

McPhar Geophysics Instrument Sales Offices

Canada

McPhar Geophysics Ltd.
139 Bond Street, Don Mills, Ontario
Tel.: (416) 449-5551

811 — 837 W. Hastings Street, Vancouver, B.C.
Tel.: (604) 685-3613

Singapore

McPhar (Asia) Pte. Ltd.
51 Kallang Place, Singapore 12
Tel.: 530311

Australia

McPhar Geophysics Pty. Ltd.
50 Mary Street, Unley 506, S. Australia
Tel.: 72-2133

28 Nicholson Road, Subiaco, W.A. 6008
Tel.: 841-4955

63 Alexander Street, Manly 2095, N.S.W.
Tel.: 977-4192

United States

McPhar Geophysics Inc.
818 W. Miracle Mile, Tucson, Arizona 85705
Tel.: (602) 624-2588

Philippines

McPhar Geoservices (Philippines) Inc.
P.O. Box 3279, Manila
Tel.: 50-53-06

ANNEX - D

COST DISTRIBUTION

1. Chemical Analyses - Cantest Ltd
   Vancouver, B. C. $614.00

2. Wm. Chang M. Sc. Geophysics *
   Geochemical - Geophysical Surveys
   Field Apr 3- 9th, 1980
   Office Apr 9 - 17th
   May 15-16th, 1980 .... 2296.91
   Assistant:
   Mike Ellson, Bowen Island
   West Vancouver, B. C.
   Field Apr 5 - 9th/1980 .... $437.50
   Rental, Geophysical Instruments 400.00

3. Weymark Engineering Ltd:
   Field Surveys, Geochemical-Geological Geophysical; Office : Assembly collation, plotting, fairdrawing and interpretation pf Data and report preparation 4507.00

4. Automobile, Mileage
   480 Miles $120.00

5. Reproductions and Maps 125.00

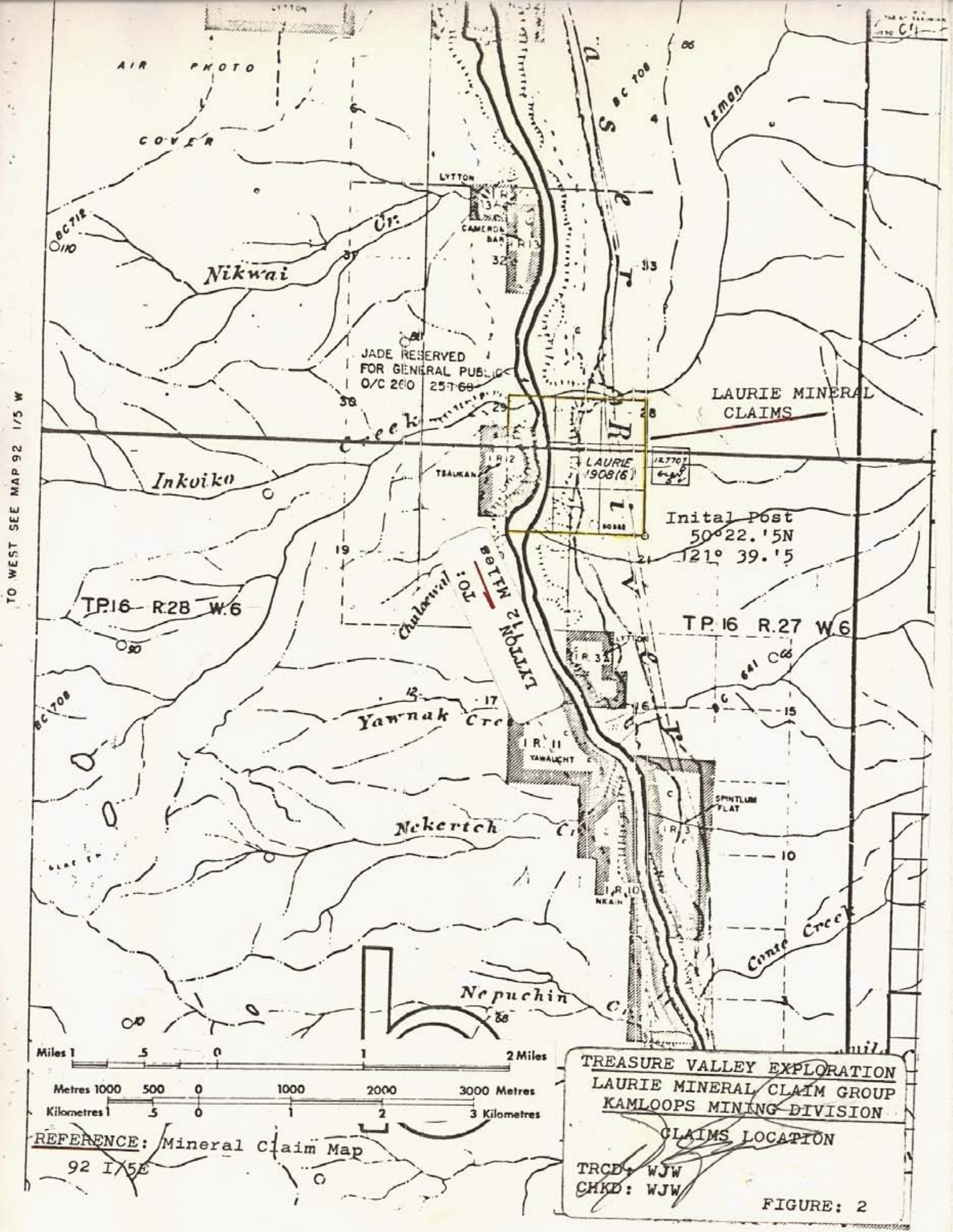
/Total $8,500.00

* 119 - 370 East Broadway
Vancouver, British Columbia

Certified

William J. Weymark P. Eng.

ILLUSTRATIONS



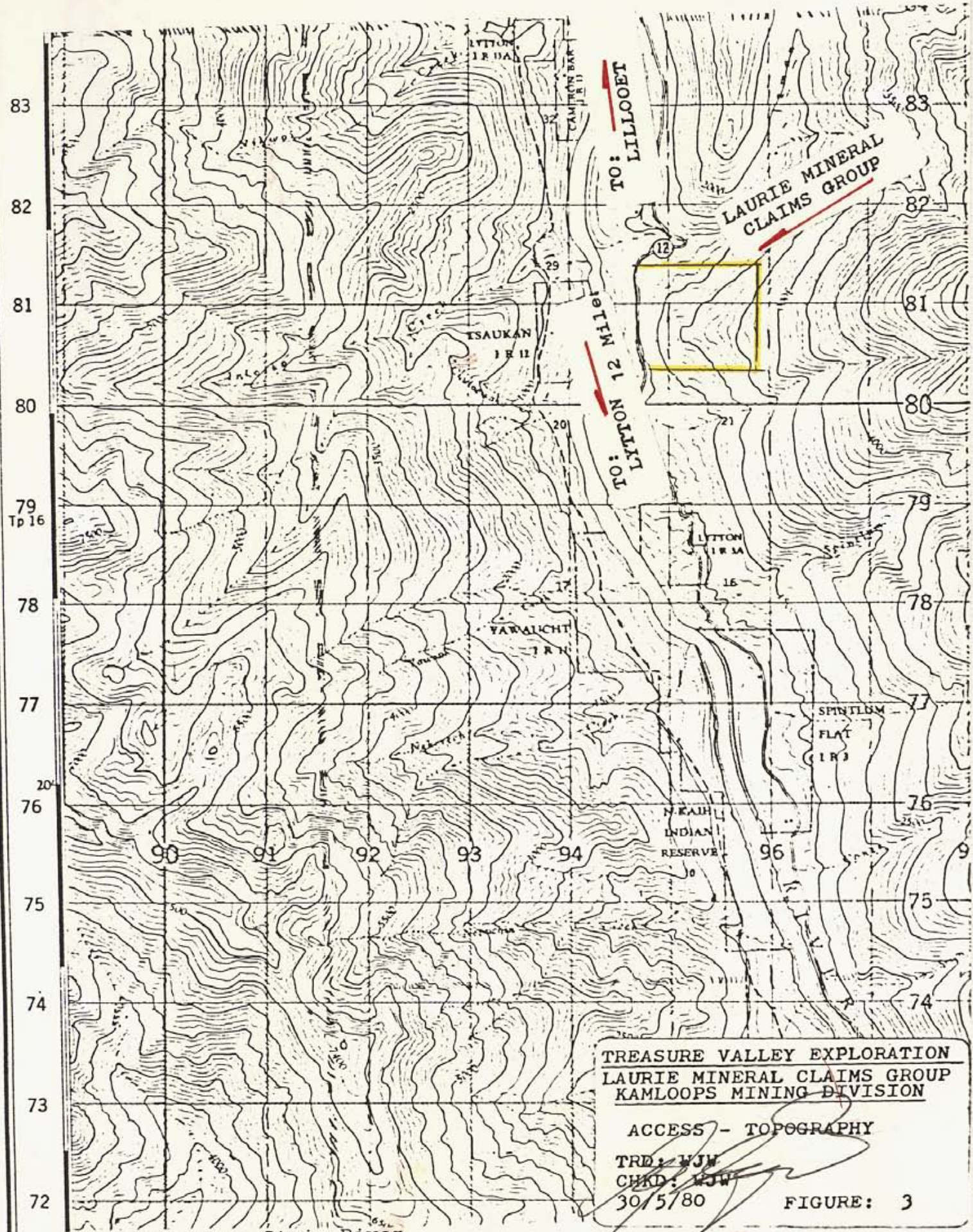
REFERENCE: Mineral Claim Map 92 I/5E

TREASURE VALLEY EXPLORATION
LAURIE MINERAL CLAIM GROUP
KAMLOOPS MINING DIVISION

CLAIMS LOCATION

TRCD: WJW
CHKD: WJW

FIGURE: 2



TREASURE VALLEY EXPLORATION
LAURIE MINERAL CLAIMS GROUP
KAMLOOPS MINING DIVISION

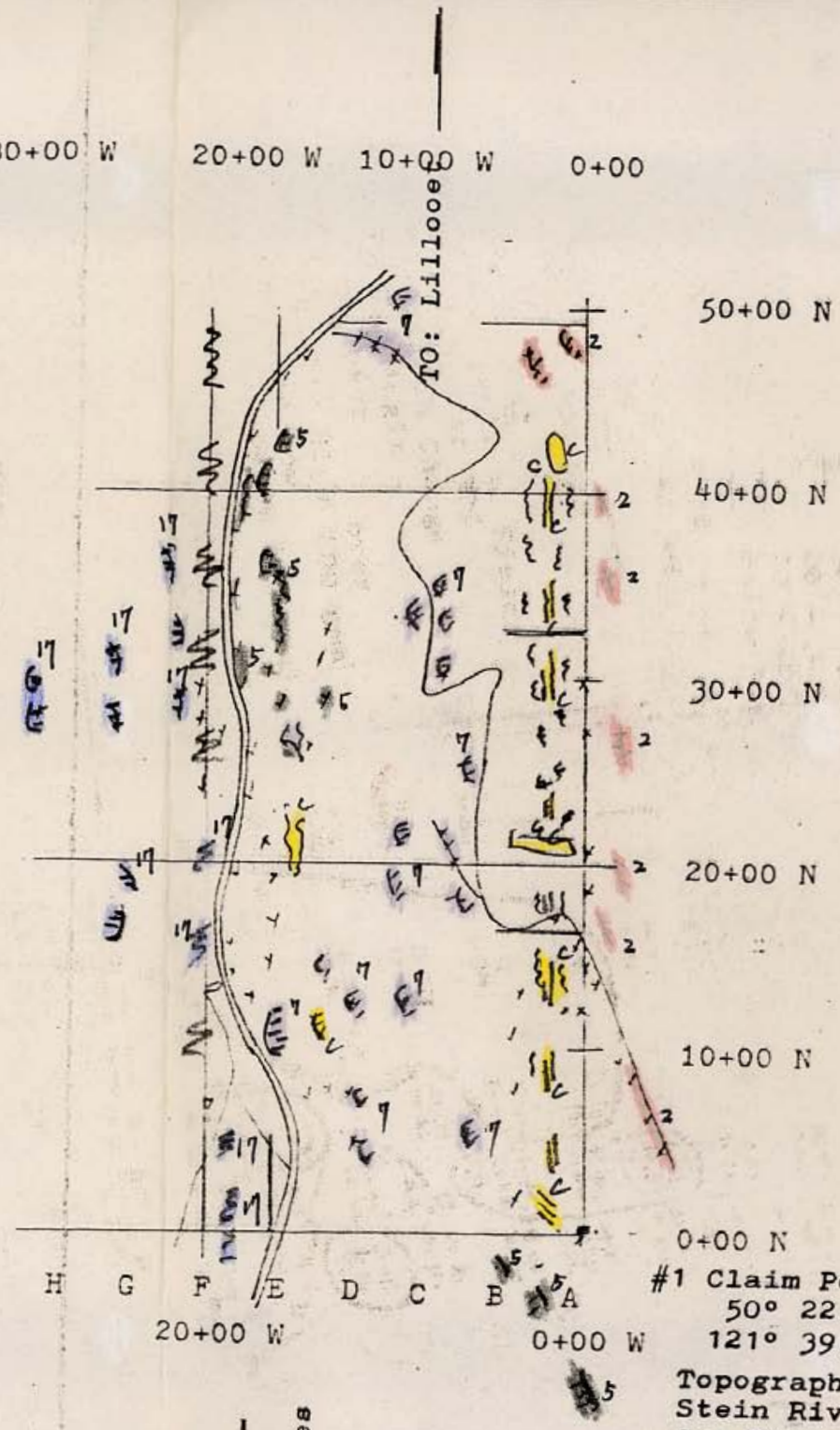
ACCESS - TOPOGRAPHY

TRD: WJW
CHKD: WJW
30/5/80

FIGURE: 3

REFERENCE MAP: Stein River
Kamloops District 92/I/5
SCALE: 1:50,000; 1.25 mi = One Inch


TO: LILLOOET
TO LYTTON 12 MILES
LAURIE MINERAL CLAIMS
LEGEND
17 JACKASS MTN Group Greywackeetc
Triassic or Earlier
7 Schist - Gneiss
Permian and Earlier
5 Cache Creek Group Greenstone etc
Jurassic or Cretaceous or earlie
2 Mount Lytton Batholith - Granodiorite, Quartz Diorite and Diorite
See: Figure 5
Joins Map 737A, "Hope"
MAP 1010A
ASHCROFT
KAMLOOPS, LILLOOET AND YALE DISTRICTS
BRITISH COLUMBIA
Scale: One Inch to Four Miles = 1/253,440
Miles
Approximate magnetic declination, 24° 15' East
TREASURE VALLEY EXPLORATION
LAURIE MINERAL CLAIMS GROUP
KAMLOOPS MINING DIVISION
REGIONAL GEOLOGY
TRD: WJW
CHKD WJW
30 May 1980
FIGURE: 4
122°00'
45'
30'
15'



#1 Claim Post
50° 22.'5N
121° 39.'5W

Topographical Map
Stein River, 92 I/5
See Fig: 3

LEGEND

Cretaceous, Lower Cretaceous

17 Jackass Mountain Group
Greywacke, Argillite
Conglomerate, Arkose

Triassic and Earlier

7 Schist and Gneiss

Permian and Earlier

5 Cache Creek Group
Greenstone, Chlorite and
Mica Schist

Jurassic or Cretaceous, Lower Cretaceous or Later

2 Mount Lytton Batholith
Granodiorite, quartz -
diorite and diorite

C Copper-Zinc Mineralized Zone - Trenches

Rock Outcrop

Fault - assumed

REFERENCE: Geological Survey of Canada, Memoir 262, Ashcroft Map-Area, British Columbia
S. Duffell and K. C. McTaggart
1952

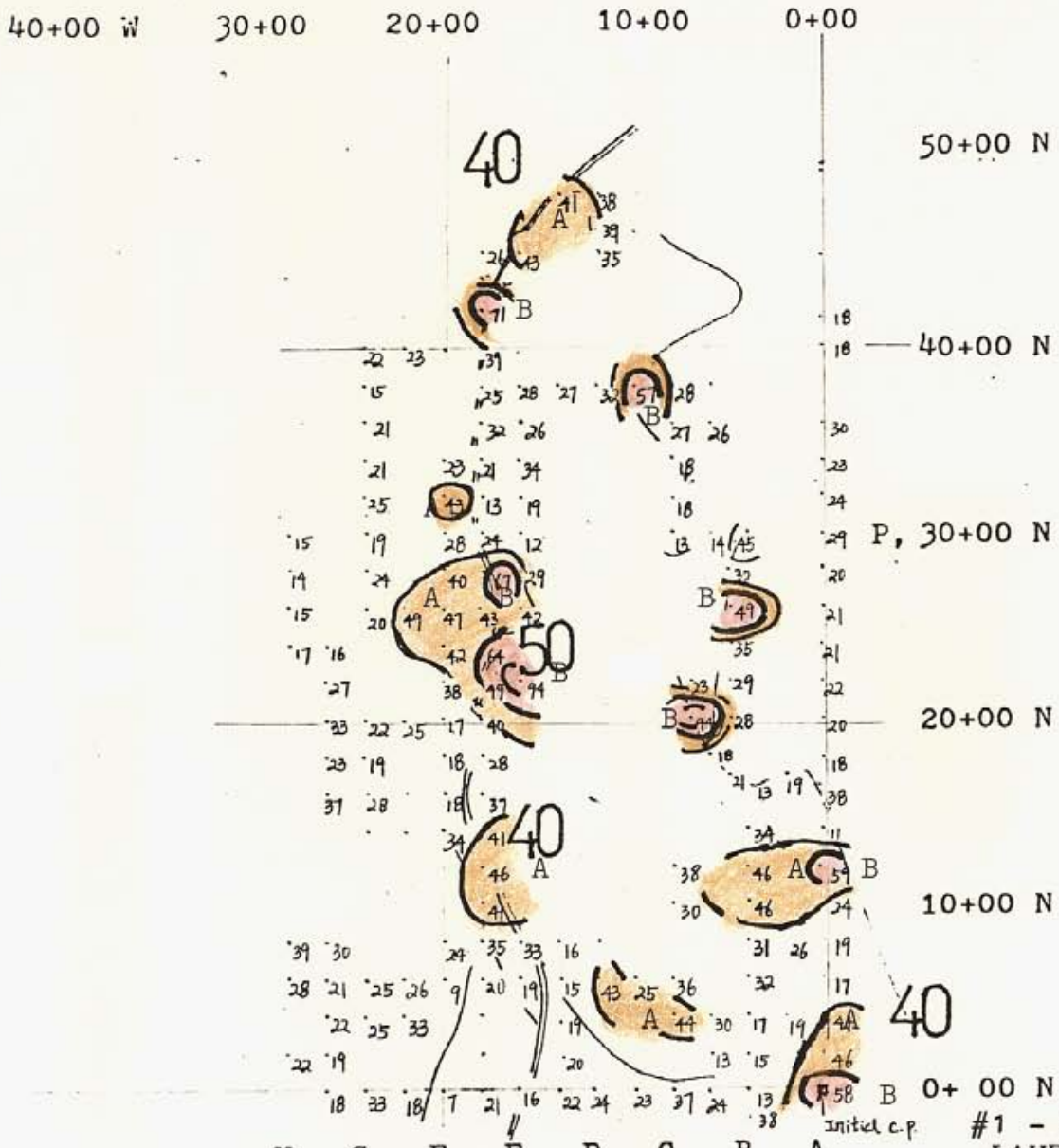
Geology By: William J. Weymark
P. Eng.

TREASURE VALLEY EXPLORATION LTD
LAURIE MINERAL CLAIMS GROUP

WEYMARK ENGINEERING LTD.
CONSULTING ENGINEERS
WEST VANCOUVER, BRITISH COLUMBIA
CANADA

OUTCROP GEOLOGY

DATE	30 May 1980	SCALE	1"= 1000 Ft 1cm= 120M
SUBMITTED	WJW	CHECKED	WJW
DRAWN	WJW	FILE No.	
TRACED	WJW	CONTRACT	Figure 5



LEGEND

A — Copper 40 - 50 PPM

B — Copper over 50 PPM

Sampling: Wm. Chang M. Sc
Analyses : Cantest Ltd, See Annex B

Interpretation By:
Wm. Chang M. Sc.
William J. Weymark P. Eng.

Reference Map: Mineral Claims Map, B.C.
92 I/5E

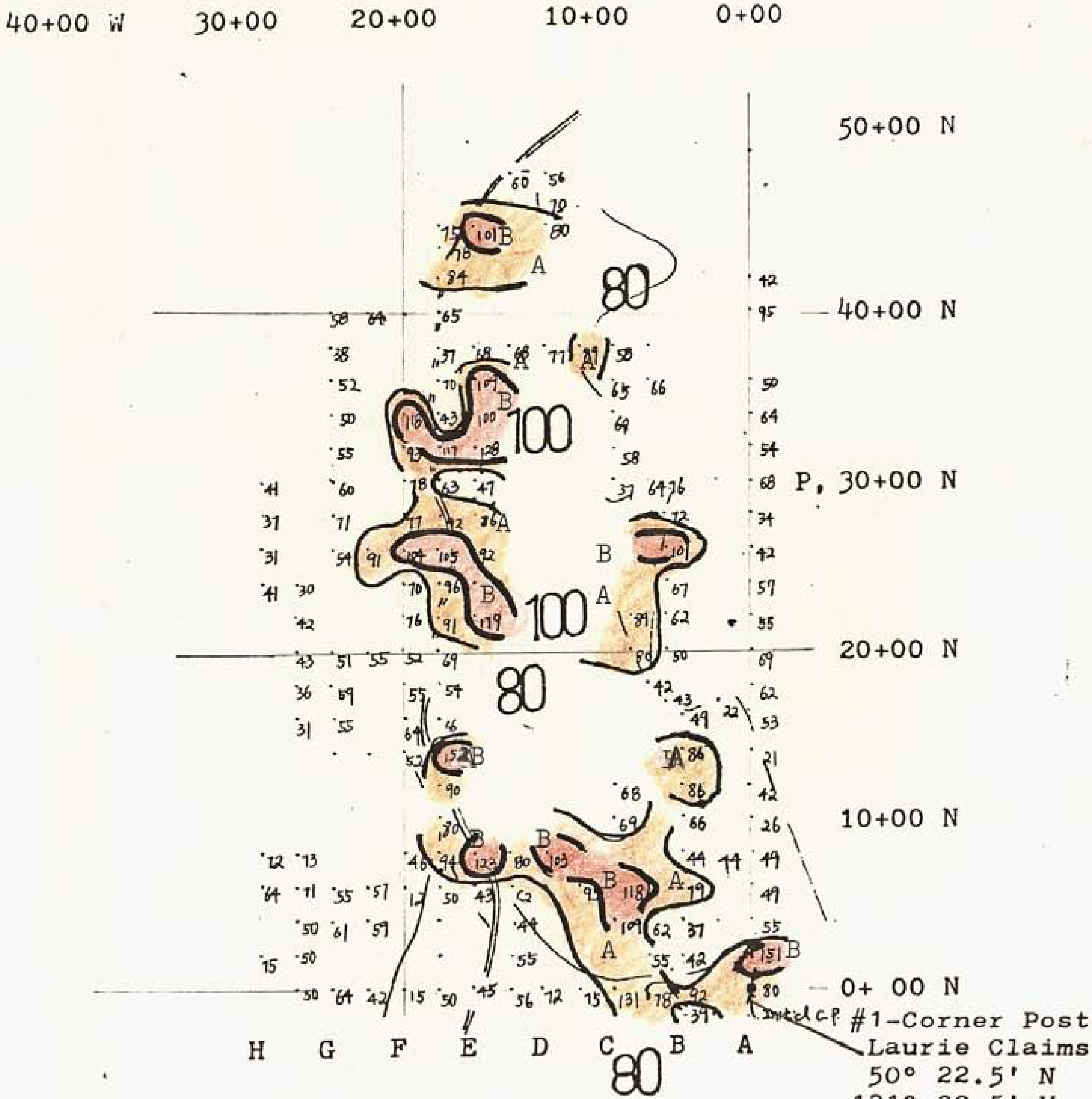
TREASURE VALLEY EXPLORATION LTD

LAURIE MINERAL CLAIMS GROUP
KAMLOOPS MINING DIVISION

COPPER GEOCHEMICAL SURVEY

Drwn: Wm. Chang MSc
Ckd: WJW
Scale: One Inch=1000Ft
One Cm = 120M

FIGURE: 6



LEGEND

A — Zinc 80 - 100 PPM

B — Zinc Over 100 PPM

Sampling: Wm. Chang: M.Sc

Analyses: Cantest Ltd, See Annex: B

Interpretation By:

Wm. Chang M. Sc
William J. Weymark P. Eng.

Reference Map: Mineral Claim Map, B. C. 92 I/5E

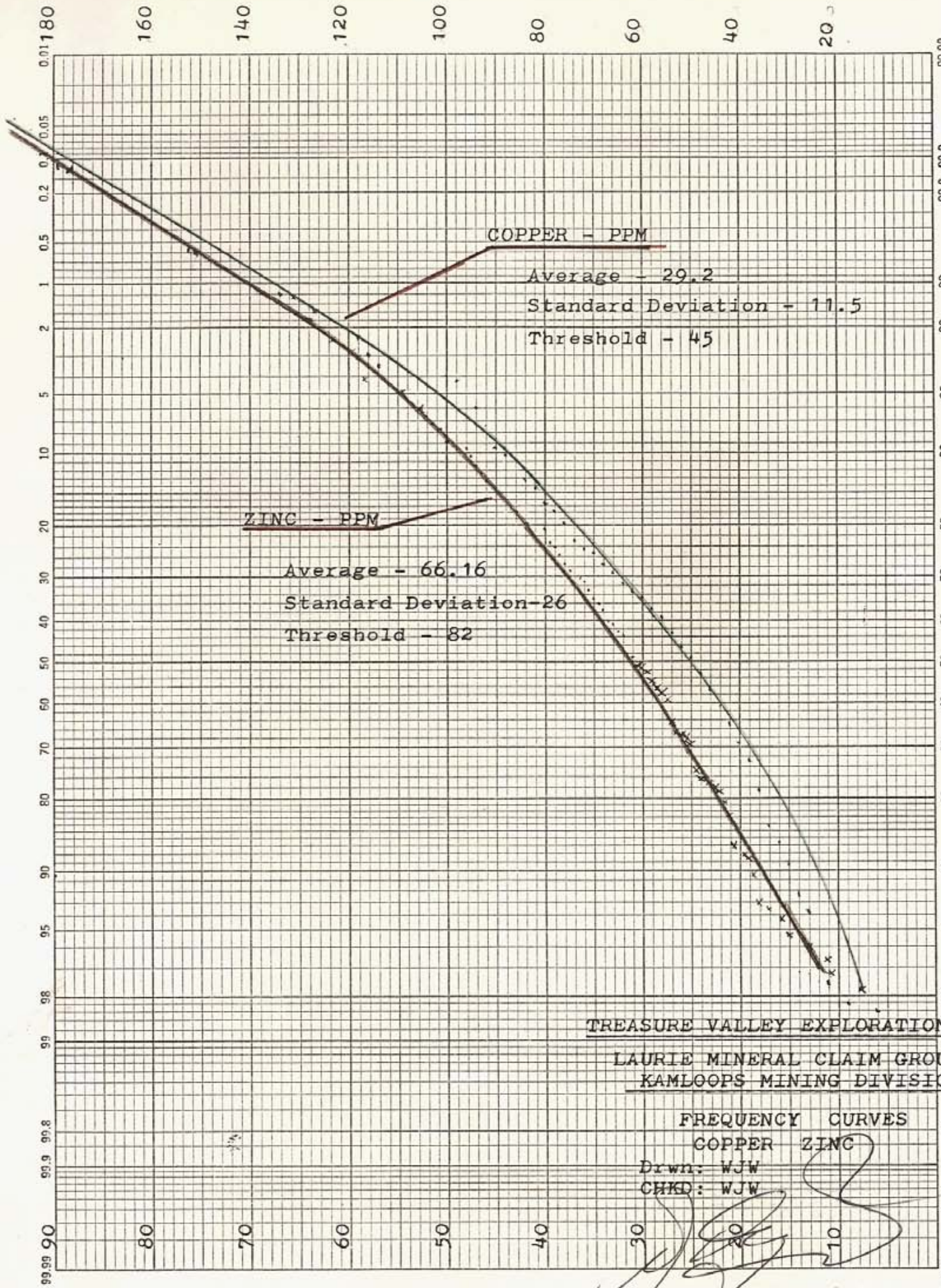
TREASURE VALLEY EXPLORATION LTD
LAURIE MINERAL CLAIMS GROUP
KAMLOOPS MINING DIVISION

ZINC GEOCHEMICAL SURVEY

Drwn: Wm. Chang M.Sc
Chkd: WJW
Scale: One Inch = 1000 Feet
One CM = 120 M

FIGURE: 7

SOIL SAMPLES
ZINC PARTS PER MILLION



TREASURE VALLEY EXPLORATION LTD

LAURIE MINERAL CLAIM GROUP
KAMLOOPS MINING DIVISION

FREQUENCY CURVES
COPPER ZINC
Drwn: WJW
CHKD: WJW

FIGURE: 8

COPPER IN PARTS PER MILLION
SOIL SAMPLES

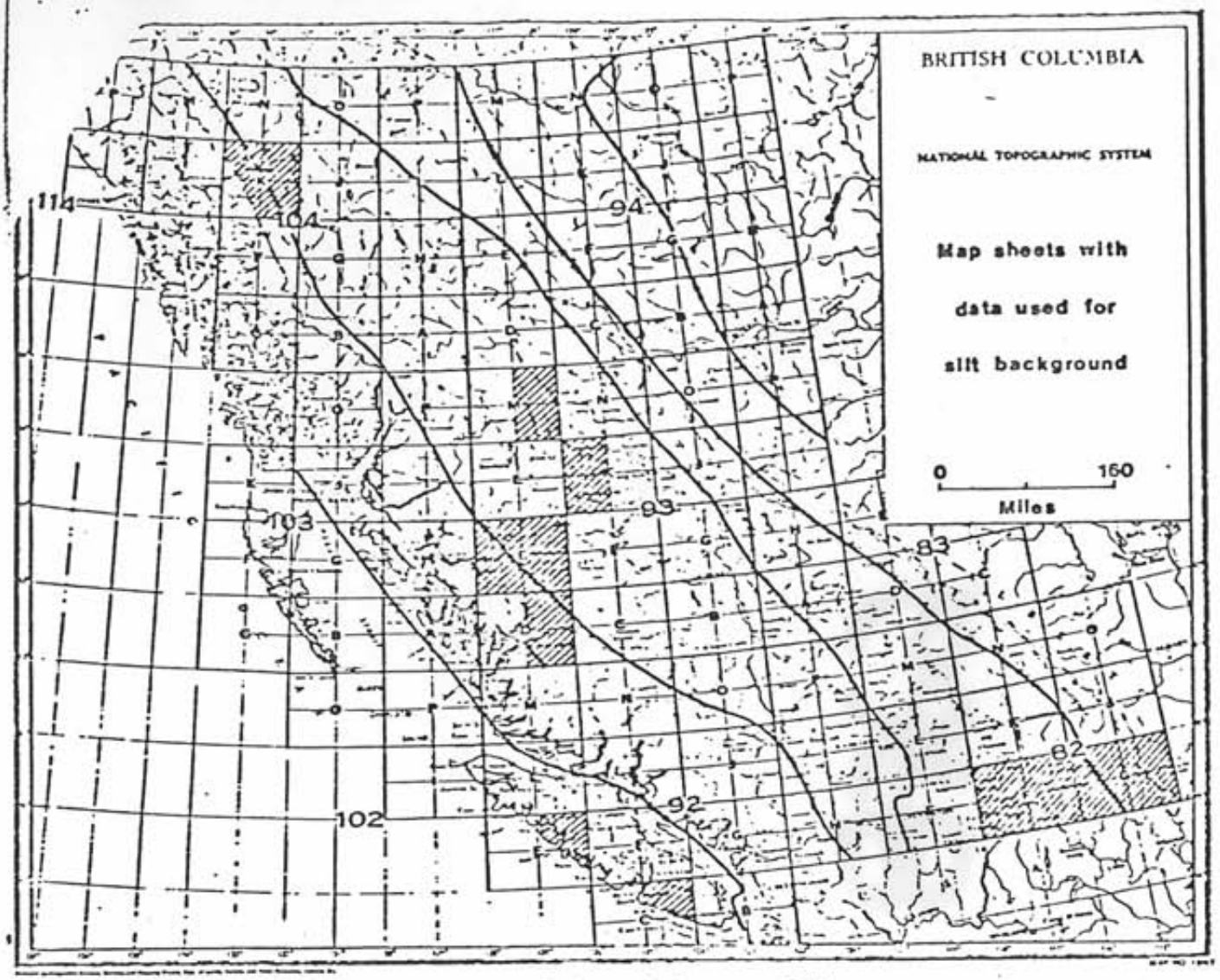


FIGURE 2 — Distribution of NTS areas in which silt background data are available.

Zonal Pattern of Backgrounds

It would be extremely useful to know accurately the areal pattern of metal abundances (background) throughout the Cordillera. This is not yet possible, but reflections of these figures are available to a greater or lesser degree in the regional background levels of silts and soils. Intensive work by exploration geochemists has led to the determination of these values, but they are not widely available and in fact relatively few companies seem to have made the effort to assemble and interpret them. Backgrounds for soils are available to those diligent enough to search the assessment report files of the British Columbia Department of Mines and Petroleum Resources. The writer assumes that silt backgrounds fairly truly represent averaged regional geochemical abundances. C. S. Ney and his former colleagues of Kennco Explorations, (Western) Limited provided the silt background for the NTS areas shown on Figure 2. These values were used to construct Figure 3, which purports to represent backgrounds for Cu, Zn, Mo and Pb for the respective belts. The values are listed in Table 4.

The writer sampled the geochemical reports in our assessment files to provide the data for Figure 5, which shows background for the same metals (Cu, Zn, Mo, and Pb) in soils. The data in the files are diverse — different standards of sampling and laboratory

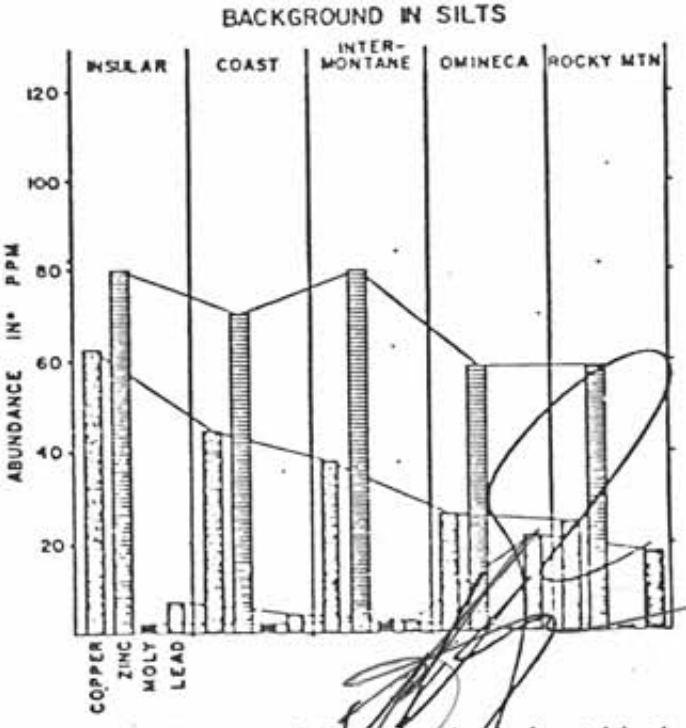


FIGURE 3 — Histogram of the average level of metal background in silts by tectonic belt.

REFERENCE Map:

Mineral Claim Map 92 I/5E

40+00 W | 30+00 W | 20+00 W | 10+00 W | 0+00 W

GEOPHYSICAL SURVEY

MAGNETIC - CONTOUR MAP

50+00 N | 40+00 N | 30+00 N | 20+00 N | 10+00 N | 0+00 N

A HIGH, above 1000
B 800 - 1000 Gamma
C 600 - 800 "
D 400 - 600 "
E Below 400 "

Reference Station: Set at
500 Gammas, 18+00W
12+00 N

Field Readings

Wm. Chang M. Sc.

Magnetometer:

Model 750311
Serial Number:7905203
Scintrex Ltd:MF2/100
Fluxgate

1000 feet

Scale 1 "= 500'
1cm= 60M

T.N.

Instrument Scintrex
EM VLF: EM Scopas, Model SE80 707011, Ser 101023, Transmitter, NLK Jim Creek, Wash, USA 48N12, 121W55, 18.6KHz 250KW

Magnetometer: Scintrex MF-2-100, Model 753011, Ser7905203

Vertical Field %
Dip Angle °
Apparent Compas Azimus °
Magnetormeter VF Gm

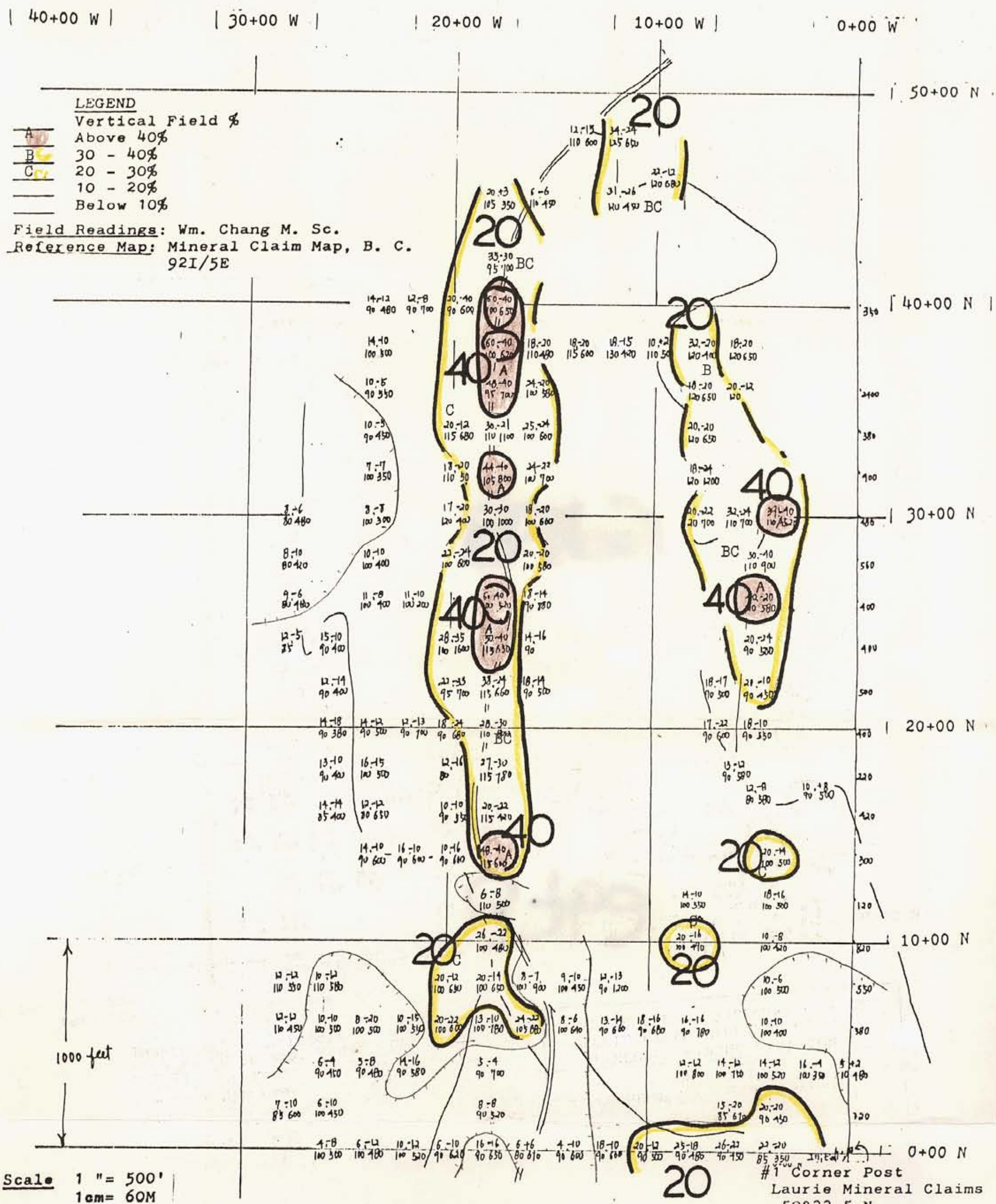
#1 Corner Post
Laurie Mineral Claims
50.° 22.5'N
121° 39.5'W.

TREASURE VALLEY EXPLORATION LTD

LAURIE MINERAL CLAIMS GROUP
KAMLOOPS MINING DIVISION

GEOPHYSICAL SURVEYS
MAGNETOMETER
Drwn: Wm. Chang MSc

FIGURE: 1(



T.N.

Instrument Scintrex

EM VLF: EM Scopas, Model SE80 707011, Ser 101023, Transmitter, NLK Jim Creek, Wash, USA 48N12, 121W55, 18.6KHz 250KW

Magnetometer: Scintrex MF-2-100, Model 753011, Ser7905203

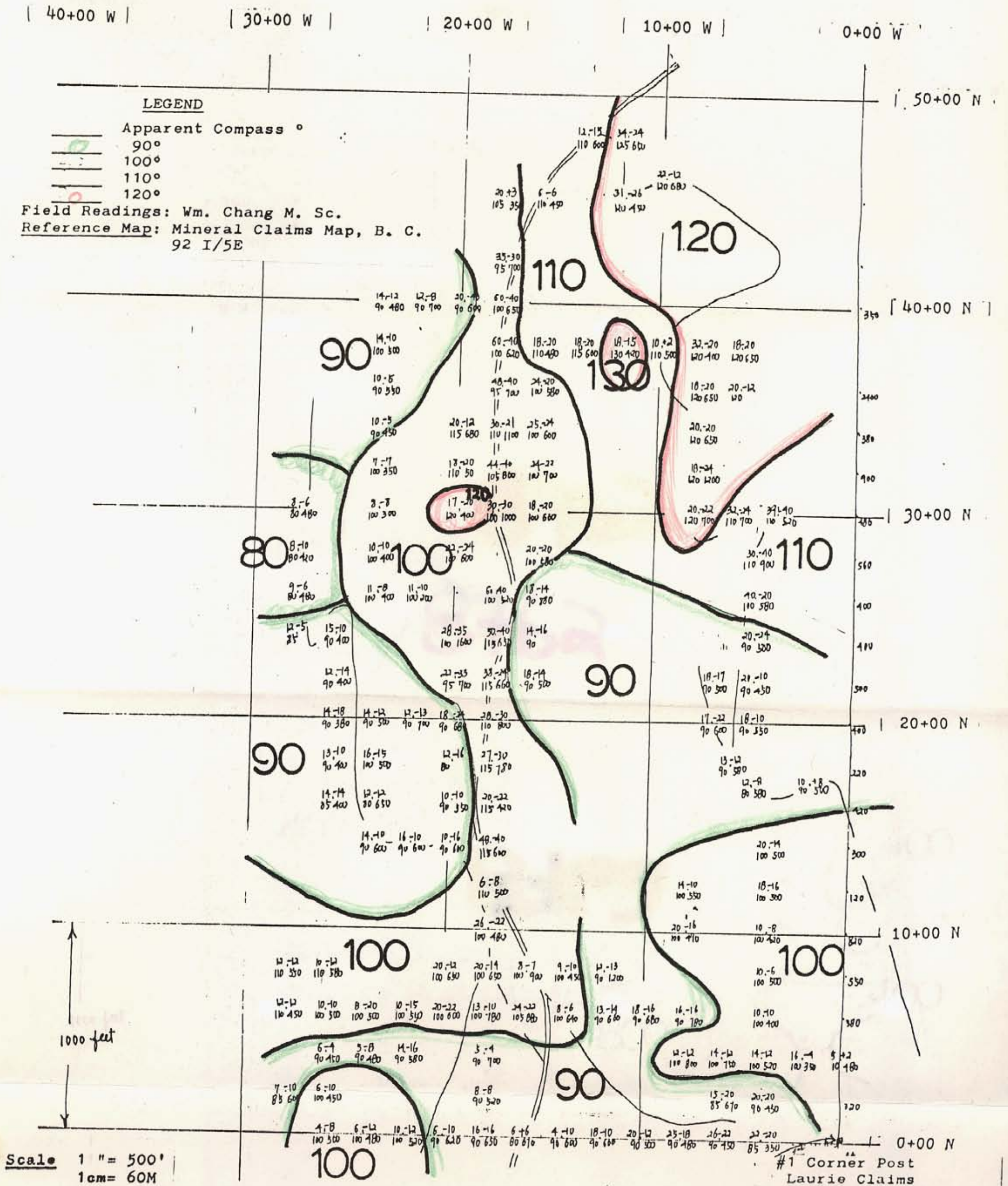
Vertical Field %
Dip Angle °
Apparent Compas Azimus °
Magnetormeter VF Gm

TREASURE VALLEY EXPLORATION LTD
LAURIE MINERAL CLAIMS GROUP
KAMLOOPS MINING DIVISION

EM GEOPHYSICAL SURVEYS
EM (VLF) VERTICAL FIELD MAP

Drwn: Wm. Chang M. Sc.
Scale: One Inch = 500 Feet
One Cm = 60 M

FIGURE: 12



T.N.

Instrument Scintrex

EM VLF: EM Scopas, Model SE80 707011, Ser 101023, Transmitter, NLK Jim Creek, Wash, USA 48N12, 121W55, 18.6KHz 250KW

Magnetometer: Scintrex MF-2-100, Model 753011, Ser7905203

50 | -90 ← Vertical Field %
40 | 500 ← Dip Angle °
Apparent Compas Azimus °
Magnetormeter VF Gm

TREASURE VALLEY EXPLORATION LTD
LAURIE MINERAL CLAIM GROUP
KAMLOOPS MINING DIVISION
EM GEOPHYSICAL SURVEYS
EMF (VLF) AZIMUTH CONTOURS
Drwn: Wm. Chang M. Sc
Scale: One Inch = 500 Ft
One Cm = 60 M

FIGURE. 11

40+00 W | 30+00 W | 20+00 W | 10+00 W | 0+00 W

50+00 N | 40+00 N | 30+00 N | 20+00 N | 10+00 N | 0+00 N

LEGEND

Dip Angle in Degrees

A Below -40°
B -20° - 40°
C - 0° -20°
D 0° +20°
Above +20°

RC Real Cross-over; Change Point from Positive to Negative Toward West on E-W Line

Field Readings: Wm. Chang M.Sc.

Reference Map: Mineral Claim Map, B.C 92I/5E

1000 feet

Scale 1 "= 500'
1cm= 60M

T.N.

Instrument Scintrex
EM VLF: EM Scopas, Model SE80 707011, Ser 101023, Transmitter, NLK Jim Creek, Wash, USA 48N12, 121W55, 18,6KHz 250KW

Magnetometer: Scintrex MF-2-100, Model 753011, Ser7905203

Vertical Field %
Dip Angle °
Apparent Compas Azimus °
Magnetormeter VF Gm

30 -40
40 500

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
8762
NO.

TREASURE VALLEY EXPLORATION LTD
LAURIE MINERAL CLAIMS GROUP
KAMLOOPS MINING DIVISION

EM GEOPHYSICAL SURVEYS
EMF (VLF) DIP ANGLE CONTOURS.

Drwn: Wm. Chang M. Sc
Scale: One Inch = 500 Ft.
One Cm = 60 M

FIGURE: 13

40+00 W | 30+00 W | 20+00 W | 10+00 W | 0+00 W

50+00 N
40+00 N
30+00 N
20+00 N
10+00 N
0+00 N

LEGEND

Geochemical

- A — COPPER, over 50 PPM
- B — ZINC, over 100 PPM

Geophysical

- C — EM VLF Vertical Field High over 30%
- D — EM Azimuth Change
- EM Dip Angle
- E — Crossover
- G — Magnetic High over 800 gma
- H — Magnetic Low below 400 gma

Reference Map:

Mineral Claims Map, B.C. 92 I/5E

Field Reading:

Wm. Chang M. Sc.

Scale 1 "= 500'
1cm= 60M

1000 feet

T.N.

Instrument Scintrex

EM VLF: EM Scopas, Model SE80 707011, Ser 101023, Transmitter, NLK Jim Creek, Wash, USA 48N12, 121W55, 18.6KHz 250KW

Magnetometer: Scintrex MF-2-100, Model 753011, Ser7905203

Vertical Field %
Dip Angle °
Apparent Compas Azimus °
Magnetormeter VF Gm

TREASURE VALLEY EXPLORATIONS LTD
LAURIE MINERAL CLAIMS GROUP
KAMLOOPS MINING DIVISION

COMPOSITE
GEOCHEMICAL - GEOPHYSICAL
ANOMALIES

Drwn: Wm. Chang M. Sc.
Interpretation:
Wm. Chang M. Sc.
William J. Weymark P. Eng.
Scale: One Inch = 1500 Feet
One Cm = 60 M
FIGURE: 14

Province of
British Columbia

Ministry of
Energy, Mines and
Petroleum Resources

Parliament Buildings
Victoria
British Columbia
V8V 1X4

File 166 - Osoyoos

April 29th, 1981.

May 11.1981 Received

MR. RUTHERFORD

I am returning a copy of the Report so that you could designate the TERRIBLE QUALITY MAPS _ SPECIFICALLY.

I would also appreciate knowing to whose eyes they are TERRIBLE, as in converse "BEAUTY IS IN THE EYES OF THE BEHOLDEN"

The drawings as originally submitted are works of art including the Governmental source maps, but bureaucratic changes have wrought disfigurement.

W. J. Weymark P. Eng.
Weymark Engineering Ltd
1063 Balfour Ave
Vancouver, B. C.

Joe Markevich,
13389 Crestview Dr.,
Surrey, B. C.

Dear Sir:

Re: JJ, MAM, CHICKAMIN, DIVIDE Mineral Claims
Geochemical, Geological, Geophysical Report '80-#410

We have received the above noted report. However, before it can be approved we require, in duplicate, the following amendment.

> The maps in these reports are of terrible quality and are not acceptable as part of an engineering report.

We are returning the above mentioned reports to be amended.

Your early attention regarding this matter would be appreciated.

Yours very truly,

R. Rutherford,
Chief Gold Commissioner.

*bc

Enclosures

c.c. Gold Commissioner,
Penticton, B. C.

Please Reply

W. J. Weymark P. Eng
Weymark Engineering Ltd
1063 Balfour Avenue
Vancouver, B. C.