

LOG NO:	JUL 1 1992	RD.
ACTION:		
FILE NO:		

1991 - 92, GEO - CHEM SURVEY

AND

MAGNETOMETER SURVEY RESULTS

THE VAD MINERAL GROUP CLAIMS

THE GOLDEN MINING DIVISION, GOLDEN, B.C.

PAID
GOVERNMENT AGENT

JUN 29 1992

NELSON

TRANS. \$.....

NTS MAP: M82K/15W
Lat. 50 Deg. 55 Min.
Long. 116 Deg. 55 Min.

for

James S. Adamson, (Operator)

James S. Adamson, Owner of the VAD MINERAL GROUP,
Calgary, Alberta.

Report prepared by- Bruce H. van der Lee, P. Eng.
JUNE 10, 1992.

GEOLOGICAL BRANCH
ASSESSMENT REPORT

B. H. van der Lee
22,415

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INCLUSIONS (con)

CLAIM LOCATION MAP

GEOLOGICAL MAP

ASSAY REPORTS

MAGNETOMETER SURVEY REPORT

GEO-CHEM MAP

PROPERTY

The property consists of one unpatented mineral claim containing 16 units, and 6 claims of one unit each, for a total of 22 units.

It is known as the VAD Mineral Group.

The VAD Mineral Group is owned by James Adamson of Calgary, Alta.

LOCATION AND ACCESS

The VAD Mineral Group is located between Crystalline and Conrad Creeks, and approximately 1000 meters south of the junction of Crystal and Vowell Creeks.

The claim group is 56km from Parsons, B.C., and is accessible by an all-weather road. Parsons is served by Highway 97 and the CPR.

The property is on the west slope of the Vowell Creek valley at an elevation of 1300 to 2000 meters. Some of the property is accessible by 4 wheel drive vehicles over existing logging trails.

Although the valley is heavily timbered about a third of the claim area has been logged.

ECONOMIC GEOLOGY

The VAD mineral group is an interesting prospect as it appears to be on strike with the Columbia River mines property to the north-west. Columbia River Mines was in operation during the 1970's and shipped lead-silver concentrates to the smelter.

GEOLOGY

The claim area is in the Purcel Range, and was mapped by J.E. Reesor, (G.S.C.) Map 12, 1957, (Lardeau Half)

The claims are underlain by rock of the Horsethief Creek Series, which consist of argillite, quartzite, pebble conglomerate, and limestone of the late precambrian age. The mineralization appears to have come from a large stock of granodiorite of the Mesozoic age which lies to the southeast. There are several folds in the area with dips of approximately 25 degrees. The ore body at Columbia River Mines occurs in such a synclinal fold within a limestone band.

The VAD property has few outcroppings due to heavy overburden in the area, and detailed geology in the area being investigated at the present time is next to impossible.

INTRODUCTION

During the 1991 - 92 season work was done on the VAD mineral claim group extending the magnetometer survey done by H. Calvert in 1990 to the south east, along the trend established by the previous survey. The survey was done by Exploration Technologist R.C. Everett and the results are included in this report.

The geo-chem done during the 1991 - 92 season was done in a selective way to try and intersect the NW trend of mineralization on the VAD group and the newly exposed mineralization on the AB group to the NW. By locating this trend on the west side of Crystalline Creek on the VAD Group we would increase our area of mineralization by several hundred meters and enhance the potential to find ore grade material.

GEO-CHEM REPORT

Some geo chem and hand trenching was done on the west side of Crystalline Creek to try and link the NW trend of the mineralization on the VAD Group with the new mineral showings exposed by a recently constructed forestry road which cuts through some of the VAD Group and the AB claims to the NE.

The sampling was done in four different locations as set out in the Summary of this report. The survey was done in order to examine the potential of other mineralized zones that should occur along what now appears to be a definite trend. The geo-chem line running south to north through DAV 12, shows 4 pb readings over 70 ppm, one being 151 ppm, where the "norm" is 30 ppm. These readings are between the 220m sample location and the 340m location. The overburden is quite heavy in this area and trenching could expose some interesting mineralization. Geo-chem samples taken along the south boundry of the DAV 1 claim have also intersected interesting lead values.

MAGNETOMETER SURVEY

The magnetometer survey was conducted by R. C. Everett to the south of the previous survey by H. T. Calvert in 1990., to determine the extent of the magnetic lows which occur over the piritic slate zones that carry some of the higher gold and lead values. Although continuity was not established another anomaly is indicated to the SE of the original VAD mineralization. R. C. Everetts' full report is included in this report.

CONCLUSIONS AND RECOMMENDATIONS

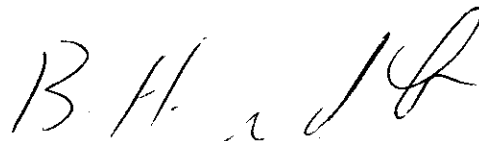
The 1991 magnetometer survey does not show continuity of the SE trend of mineralization established by the Calvert Survey of 1990. However because this could indicate a deepening of the original mineralization a thorough examination should be made along the east slope of the mountain where the SE trend of mineralization might exit, as some galena float has been found in that local. The area where the magnetic low anomaly was found in this new survey should be followed up with a geo-chem survey to determine where trenching would be productive.

The better than average lead values found on NW trend of mineralization on DAV 12 on the west side of Crystalline Creek should be trenched to expose the mineralization. As this mineralization occurs over 120m interval a fill-in geo-chem at 5m intervals would limit surface disturbance.

C E R T I I C A T E

This is to certify that I, Bruce H. vander Lee,

1. Am a resident of Calgary, Alberta, and live at # 1100
1122 - 4th Street, S.W. T2R 1M1.
2. Am a graduate of the University of Alberta, B. Sc. in
Mining Eng. (1979)
3. Am a Member of APEGGA.
4. Have no interest direct or indirect in the properties
known as the VAD Mineral Group Claims.
5. Have authorized this report after examination of the
field data and the G.S.C. reports pertaining to the
area.



Bruce H. van der Lee, P. Eng.

STATEMENT OF COSTS FOR THE VAD MINERAL GROUP CLAIMS, (22 UNITS),
FOR 1991 - 92.

Claim VAD MINERAL GROUP CLAIMS - 22 Units.

MAP No. 82K/15W

Mi. Rec. Nos. 0577065, 1000012, 1000002.

Rec. Nos. 1893, 2050, 2051, 2052, 2205, 2206, 2207, .

These Claims were recorded at Golden, B.C.:- VAD 1, on July 6/88,
- AVD 1, 2, 3, on Sept. 16/89, - DAV 1, 2, 3, on July 18/90.

Geo-Chem and Rock Assays	358.00
Exploration Technologist 3 days @ 150.00 per day	450.00
Preparing Magnetometer Report	250.00
Instrument rentals	75.00
Flagging grid, Sampling: 2 men 5 days @ 92.00 per day ..	920.00
Board:- 10 days @	300.00
Flagging and supplies	40.00
Chain saw:- 8.00 day 3 days	24.00
4 X 4 40.00 per day, 5 days	200.00
Travel in B.C. 50.00 per trip - 2 trips	100.00
Copies of reports and maps	50.00
Prepairing Report	250.00
 Total Costs	 3017.00

SUMMARY OF WORK DONE ON VAD 1 MINERAL CLAIM FOR 1991 - 92.

Some of the work done during this season included some geo-chem on the west side of Crystalline Creek to locate the mineralized zone which should extend to the NE from the original VAD showings on the east side of the creek. Geo - chem samples were taken in a south to north direction through DAV 12 at 20 meter intervals. The samples were taken at the base of the mountain which forms the west bank of Crystalline Creek. The existing geo-chem line along the south border of the DAV 12 claim was extended east to Crystalline Creek and geo-chem samples were taken along the line which forms the south border of AVD 1. A geo-chem line was also run on the 400S line on the original grid on the VAD claim on the east side of Crystalline Creek.

A magnetometer survey was done By R. C. Everett to extend the survey done by H. Calvert in 1990 to the south, and is included in this report.

117°00' - M82K/15W -
5100'

VERMONT CREEK

SEE FROM VAD TO PARSONS BC.
YOWELL CREEK

M82K/15W

CRYSTAL CREEK

GEO-CHEM. AREA 1991-92



MAGNETOMETER SURVEY AREA

LOCATION LINE 'O'

CRYSTALLINE

CONRAD CREEK

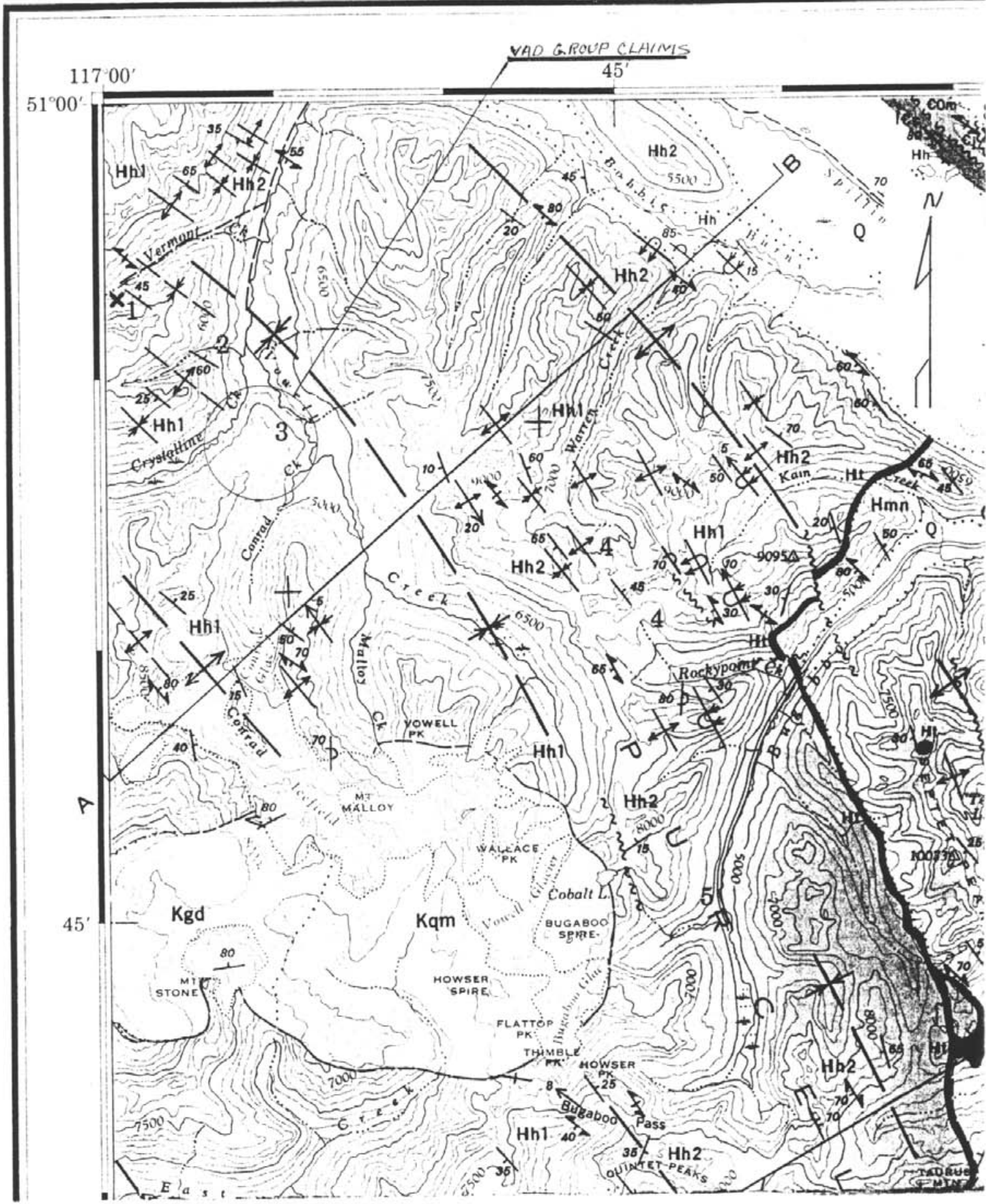
YOWELL CREEK



VAD-GROUP CLAIMS

1000 M

INDEX-MAP #1



GEOLOGICAL MAP #3

4000 M

51°00' 117°00'
M82K/15W

TO NORTH 22

(FCZ PLACER SEE P 82K/15W)

PROB 434 D (1972)

PROB 433 D (1971)

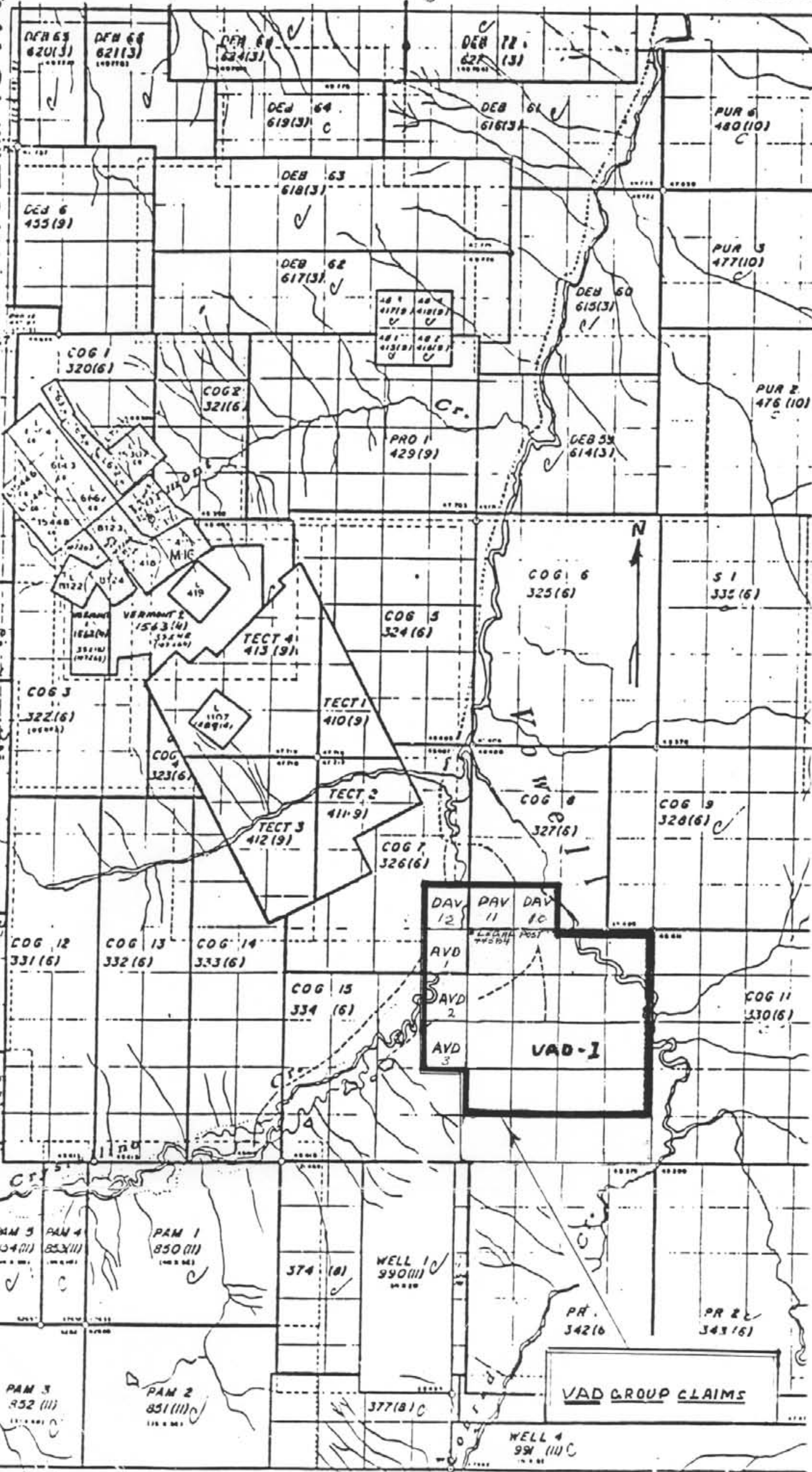
PAM 8551-J (1958)

PAM 854 (1958)

PAM 853 (1958)

PAM 852 (1958)

PAM 851 (1958)



AB 1	AB 2
417B	418B
✓	✓
AB 1	AB 2
417B	418B
✓	✓

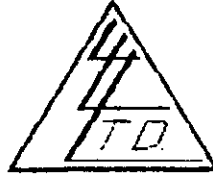
DAV 12	DAV 11	DAV 10
AVD 1		
AVD 2		
AVD 3		

VAD GROUP CLAIMS

MAD # 7

To: MR. JIM ADAMSON
539 - 47th Avenue S.W.,
Calgary, Alberta
2J 1C5

File No. 35021
Date April 21, 1992
Samples Soil



Certificate of Assay LORING LABORATORIES LTD.

SAMPLE NO.	GOLD ppb	LEAD ppm
------------	-------------	-------------

"GEOCHEM ANALYSIS"

DAV +20 ME	<5	20
+40	<5	22
+60	5	31
+88	<5	20
+100	<5	17
120	<5	16
140	<5	18
DAV 12LINE 310M WEST	22	38
330	13	28
DAV-0 A-B-0 "0"	9	31
FE 400S +40M W	<5	36
+60	<5	19
+80	<5	68
+100	<5	11
+120	5	18
AB +20 M W	<5	138
+40	6	118
+60	9	102
+80	6	98
+100	12	300

I Hereby Certify that the above results are those
assays made by me upon the herein described samples....

Rejects retained one month.
Pulps retained one month
unless specific arrangements
are made in advance.


Assayer

To: MR. JIM ADAMSON
539 - 47th Avenue S.W.,
Calgary, Alberta
T2J 1C5

File No. 35070
Date May 6, 1992
Samples Soil



Certificate of Assay LORING LABORATORIES LTD.

SAMPLE NO.	LEAD ppm
"GEOCHEM ANALYSIS"	
400'S	
0+400' S	41
+10 M W	59
+20 M W	46
+30 M W	50
+50 M W	30
+70 M W	44
+90 M W	59
+110 M W	43
PATH	
+120 M N	48
+140 M N	6
+160 M N	15
+180 M N	55
+200 M N	29
+220 M N	76
+240 M N	26
+260 M N	51
+280 M N	73
+300 M N	151
+320 M N	22
+340 M N	83
+360 M N	9
+380 M N	26
+400 M N	22
+420 M N	50
+440 M N	25
+460 M N	38
+480 M N	37
+500 M N	18

I Hereby Certify that the above results are those
assays made by me upon the herein described samples....

Rejects retained one month.
Pulps retained one month
unless specific arrangements
are made in advance.


Assayer

To: MR. JIM ADAMSON
539 - 47th Avenue S.W.,
Calgary, Alberta
T2J 1C5

File No. 35070
Date May 6, 1992
Samples Soil



Certificate of Assay LORING LABORATORIES LTD.

Page # 2

SAMPLE NO.

LEAD
ppm

"GEOCHEM ANALYSIS"

PATH LINE 1	20 M N	19
	40 M N	39
	60 M N	26
	80 M N	45
	100 M N	17

I Hereby Certify that the above results are those
assays made by me upon the herein described samples....

Rejects retained one month.
Pulps retained one month
unless specific arrangements
are made in advance.


Assayer

MAGNETOMETER SURVEY
VAD CLAIMS
CRYSTALLINE CREEK AREA
British Columbia

R. C. Everett

February 12, 1991

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Introduction and Summary

A magnetometer survey was conducted on the Vad Claims in the Crystalline Creek area of British Columbia, NTS block 82-K-15. The claims are located 45 km south of the town of Golden and are underlain by rocks of the Hadrynian Windermere group of the Proterozoic era (R.J.W. Douglas, 1969) within the Omineca Tectonic Belt.

The survey was conducted October 12-14, 1991 and accessed from the village of Parson via 56 km of seasonally maintained logging road.

Total magnetic field data for 3.9 km of chained and flagged grid was acquired in order to determine the continuity of a magnetic anomaly associated with precious metals mineralization. A second anomaly was also indicated.

Method and Equipment

The Vad Claim magnetometer survey (1991) was conducted on an extension of the existing flagged and chained grid. The north-south baseline was extended using compass and hip chain from station 14+50S (feet) to 8+00S (metres) referencing a common origin. Perpendicular crosslines were struck at fifty metre intervals and were flagged and chained at twenty metre stations. Total magnetic field measurements were taken using a Geometrics 816 proton precession magnetometer (accuracy ± 1 gamma) with the sensor mounted on a two metre staff. The average of three readings was taken at each twenty metre station interval. Data was recorded in time tied loops with diurnal variation corrections applied linearly where required. The total magnetic field values were plotted at a nominal scale of 1:2000 and

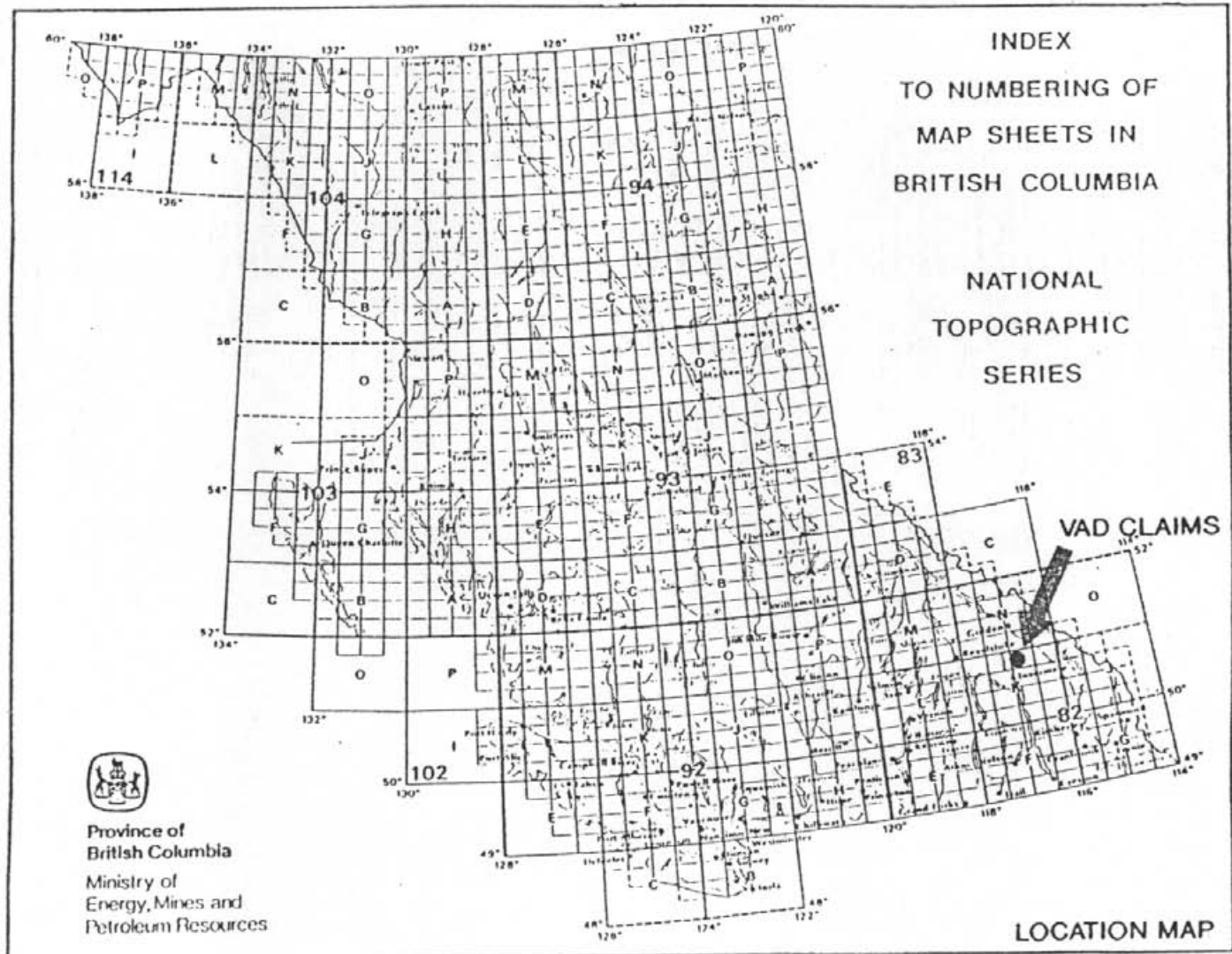


FIGURE 1

displayed in profile and contour format in figures two and three respectively. A total of 3.95 km of line were recorded. Total magnetic field values ranged from 58041 to 57973 gammas. The 1990 magnetometer data after H. Calvert were plotted as well for reference. Several attempts were made to tie and normalize the two surveys without success. Steep data gradients and variable readings precluded the effort on two occasions.

It is apparent from the profile plot that a significant difference in background data values may exist between lines 14+50S and 5+00S(m).

Discussion

The initial purpose of the 1991 magnetometer survey was to determine the continuity of magnetic anomalies, primarily magnetic lows, which are associated with precious metals mineralization found in trenches west of the baseline on lines 11+00S to 13+00S. A secondary purpose was to establish a broader base of background magnetic data to aide in assessment of anomalies. The apparent strike of the 1990 anomalies was northwest-southeast. The 1991 survey indicates a termination of the trend against a northeast-southwest structure or possibly a deepening of the source as well as a change in direction. The current survey also indicates a similar magnetic low on lines 6+50S(m) and 7+00S(m) between stations 4+00E and 5+00E. This anomaly is situated on a steep terraced east facing slope. Quartz float similar to that associated with the mineralized showings was also noted in this locality. The apparent trend of this anomaly is also northeast-southwest and is open to the northwest. Steep slopes and a lack of time precluded the extension of lines 5+00S(m) through 6+00S(m) to delineate this

feature .There is a possibility that this anomaly could be an offset extension or an opposite limb of an antiformal feature noted at the mineralized trench site.

Conclusions and Recommendations

The 1991 total magnetic field is of good quality and adequate for the intended application however it is recommended that if any extensive magnetometer surveys are undertaken on these claims in the future a base station magnetometer be utilized to record diurnal total field variations. Trying to effect efficient time ties within acceptable limits can prove to be very difficult on the rugged terrain of this property.

Speculation as to the true nature of the cause of the 1991 total magnetic field anomalies is not appropriate until the available geological information is integrated with this survey, however the anomaly noted on line 6+50S(m) at 4+40E should be examined and thoroughly prospected given the association of this type of anomaly with mineralization on these claims.

Respectfully Submitted,



R. C. Everett

Appendix

Personnel

J. Adamson	Calgary, Alberta	chaining and grid
S. Benar	Calgary, Alberta	chaining and grid
R. C. Everett	Calgary, Alberta	magnetometer survey

References

Douglas R. J. W., *Economic Minerals of Canada, Energy, Mines and Resources*, Ottawa, 1970

Calvert H. T., *Vadi-Claims, Magnetometer Survey*, 1990

Statement of Qualifications

Robert C. Everett
7131-37 Ave. N.W.
Calgary, Alberta
T3B 1W7

403 286 6321

Exploration Technologist

18 years experience in geophysical data acquisition and interpretation for minerals and hydrocarbon exploration.

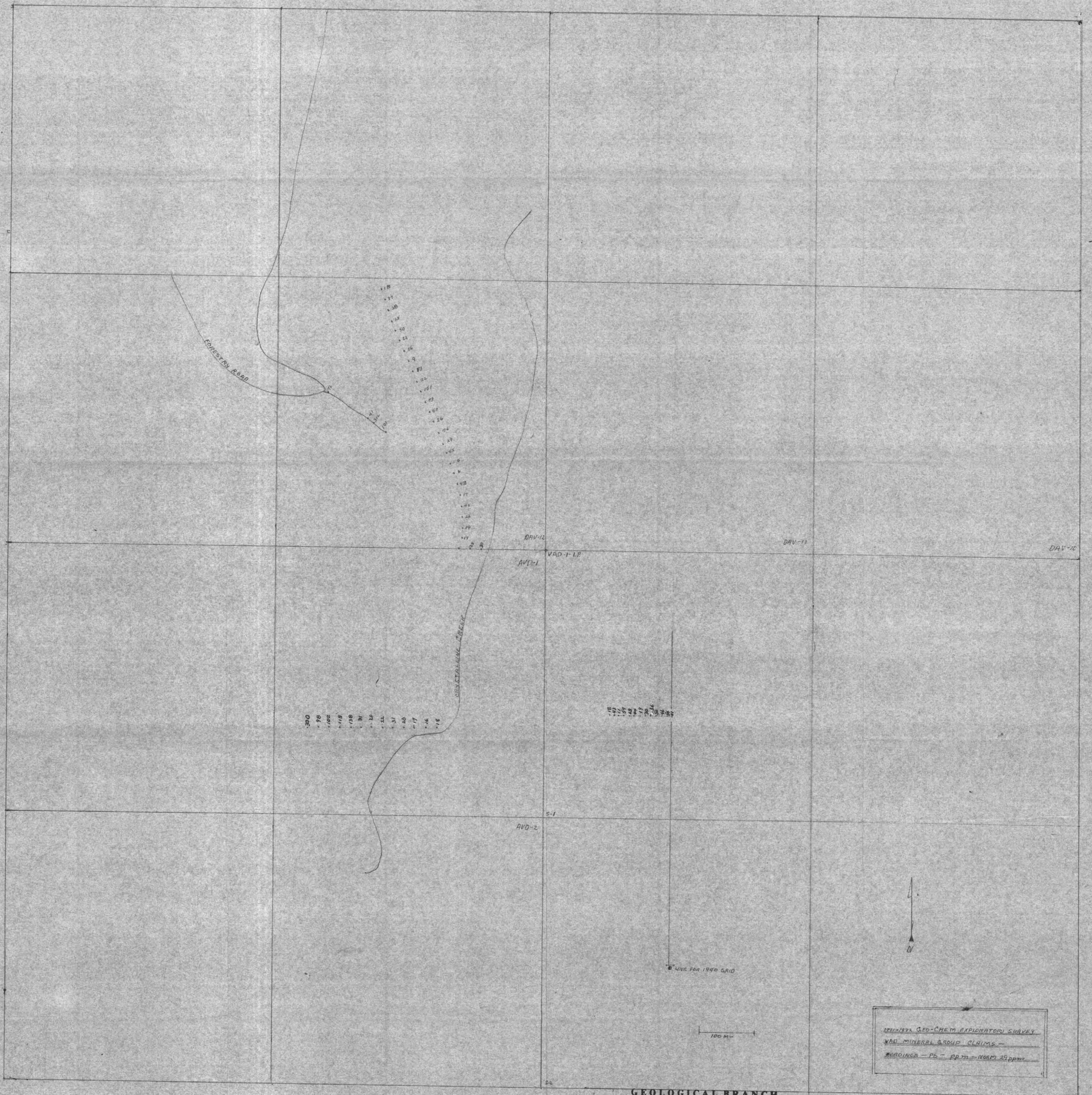
Diploma Geology Technology, Cambrian College of Applied Arts and Technology, Sudbury, Ontario, 1974.

Member, Society of Exploration Geophysicists

I have no financial interest in the VAD Claims or any adjacent properties.

A handwritten signature in cursive script, appearing to read 'R. C. Everett', with a long horizontal flourish extending to the right.

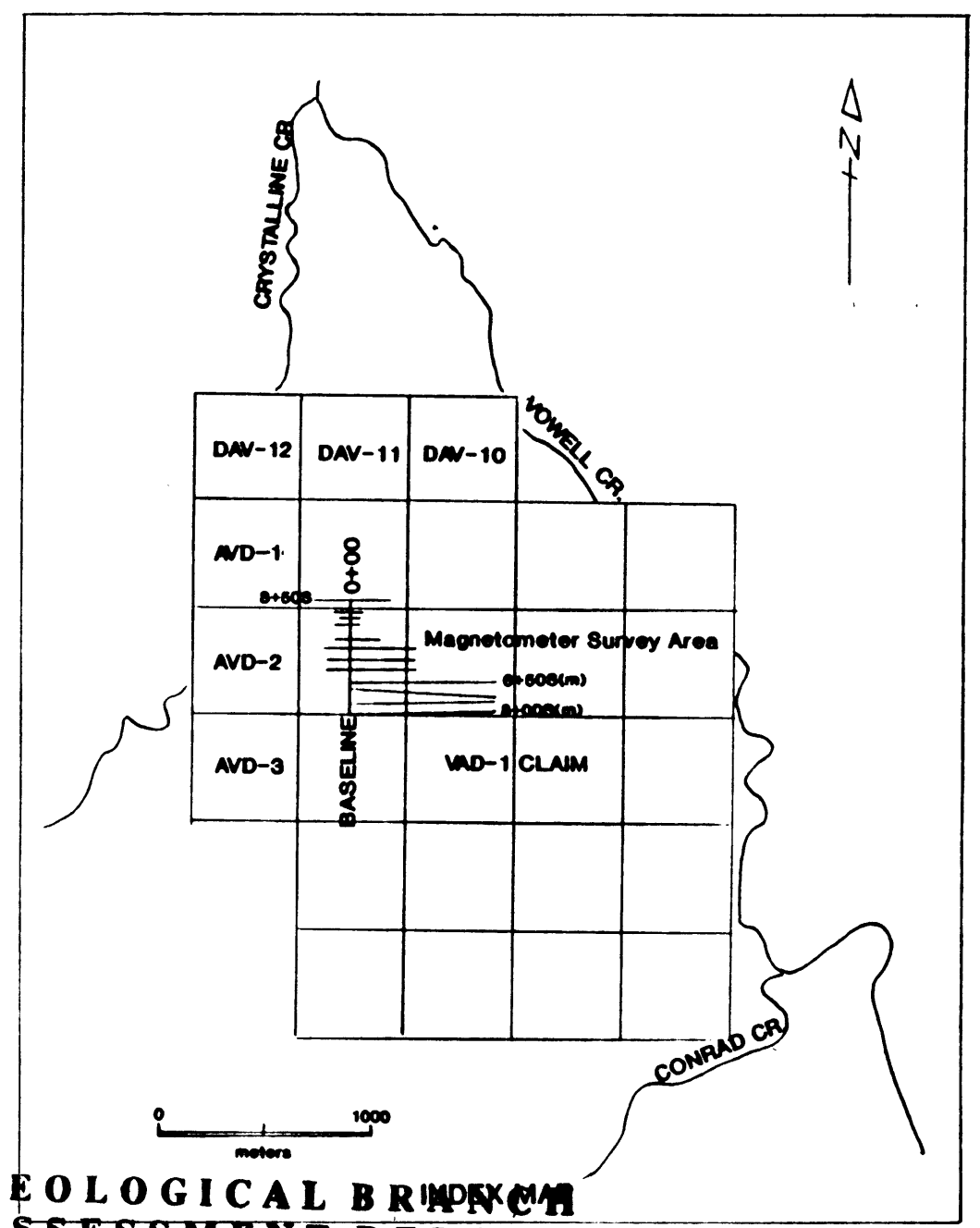
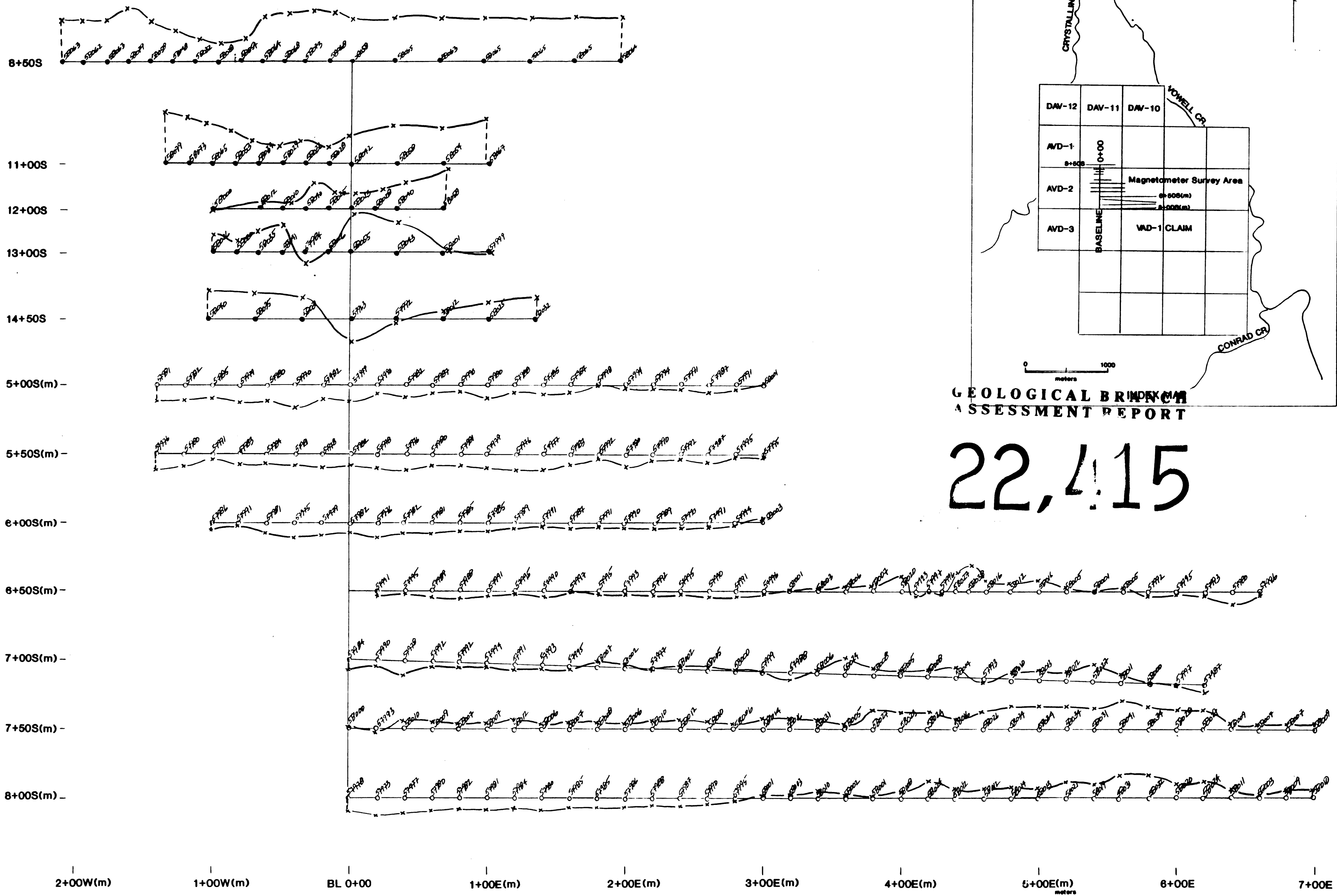
R. C. Everett



GEOLOGICAL BRANCH
ASSESSMENT REPORT

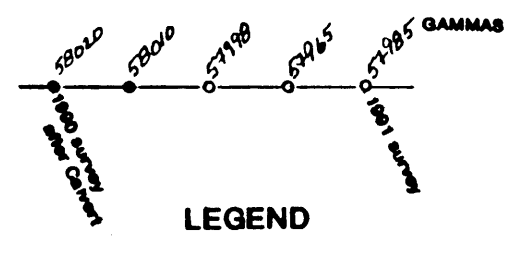
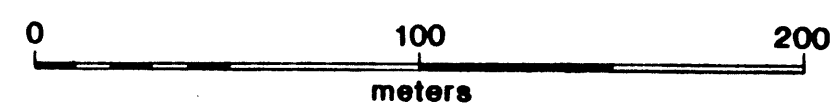
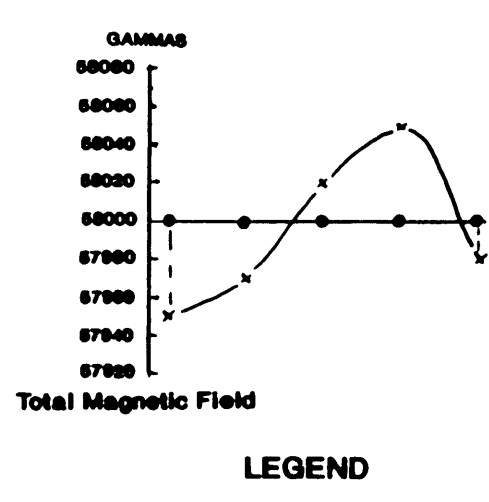
22,415

1971-1974 Geo-Chem Exploratory Survey
VAD MINERAL GROUP CLAIMS -
Readings - Pb - ppm - (VAD) 25 ppm



GEOLOGICAL BRIDGE
ASSESSMENT REPORT

22,415

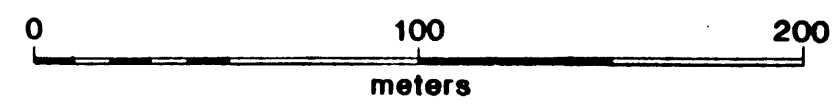
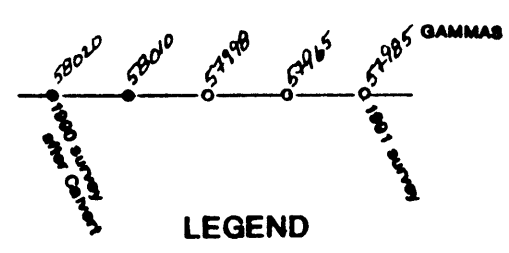


VAD CLAIMS
CRYSTALLINE CR. AREA B.C.
MAGNETOMETER SURVEY
Total Magnetic Field
PROFILES
FIGURE 2
NTS 82-K-15 R.C.EVERETT 92-02-12



GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,415



**VAD CLAIMS
CRYSTALLINE CR. AREA B.C.
MAGNETOMETER SURVEY
CONTOURS**

Total Magnetic Field
CONTOUR INTERVAL 10 GAMMAS

FIGURE 3

NTS 82-K-15

R.C. EVERETT 92-02-12