

LOG NO: 09-26	RD.
ACTION:	
FILE NO:	

PRELIMINARY GEOLOGICAL REPORT

Including

1990 GEO-CHEM SURVEY RESULTS

THE AVD CLAIMS

THE GOLDEN MINING DIVISION, GOLDEN, B.C.

NTS MAP; M82K/15W

Lat. 50 deg. 55 Min.

Long 116 deg. 55 min.

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**20,312**

For

James S. Adamson, (Operator)- Paid for All Work  
done.

James S. Adamson, Owner of the AVD Claims,  
Calgary, Alberta.

Report prepared by H. T. Calvert P. Geol.

*H. T. Calvert*

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ASSAY REPORT

### PROPERTY

The property consists of three unpatented two post mineral claims.

It is known as the AVD Mineral Claims.

The above claims are owned by James S. Adamson of Calgary, Alberta.

### LOCATION AND ACCESS

The claims are located approximately 1500 meters south of the junction of Crystalline and Vowell Creeks.

The claim area can be reached by 56km of all weather forestry road from Parsons, B.C., which is served by the CPR and highway 95.

The property lies on the east slope of the Crystalline Creek valley at an elevation of 1300 to 1800 meters. The property is accessible from the forestry road by 4 wheel drive vehicles, and 300 meters on foot.

The claims are timbered and are quite steep. Overburden covers most of the claim area being investigated at this time.

### ECONOMIC GEOLOGY

The AVD Mineral Claims appear to be on strike with the Columbia River Mines Property to the North West which was active and shipped ore during the mid 1970's.

### GEOLOGY

The claims are in the Purcel Range. The area 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 a number of folds in the area with dips of approximately 25 degrees. The ore body at the Columbia River Mines lies in a synclinal fold in a limestone band.

The AVD claims are almost entirely in heavy forest limiting detailed geology to a few outcrops.

#### GEO-CHEM SURVEY

The geo-chem survey on these claims has as its' location line, - the line running north and south between the initial and final posts of AVD -1- . All samples will be west of this line which corresponds to the 750W line of the geo-chem survey grid on the VAD -1- claim to the east. Samples were taken at 10 meter intervals at the west end of the 500m N line, to try and intersect the mineralized zone located on the VAD Claim to the east. The results are shown on map # 4 of this report.

All samples were taken from the B zone at a depth of 20 to 30cm. The samples were all assayed by Loring Laboratories Ltd., located in Calgary, Alberta. An 80 mesh screen was used with all samples. The analysis was done by hot acid digestion and atomic absorption spectroscopy. The sampling was done by James Adamson and Sodi Berar. Standard geo-chem bags were used as supplied by Loring Laboratories All bags were marked and tied at the sample location. All samples were paid for by James Adamson. The samping was done on Aug. 29th, 1990.

CONCLUSIONS AND RECOMMENDATIONS

The geo-chem was done along the west half of the 500m N line of the AVD -1- claim where it was expected to intersect the strike line of the mineralization on the VAD -1- claim. It would appear that the presence of gold values at six sample locations between 380W and 440W seems to bear this out. However as the distance to the last mineralized line on the VAD claim is almost 450m to the south, I would recommend additional geo-chem lines at the 200m, 300m and 400m N intervals to further confirm this extension of the mineralized zone.

C E R T I F I C A T E

This is to certify that I, H. T. Calvert,

1. Am a resident of Calgary, Alberta, and live at # 1125 Casson Green N.W. T3B 2V6
2. Am a graduate of Brock University in Ontario, B. Sc. in Geology. (1983).
3. Have no interest direct or indirect in the properties known as the AVD Claims.
4. Have authorized this report after examination of the field data and the G.S.C. reports pertaining to the area.

*H. T. Calvert Sept 10, 1990*

H. Thomas Calvert, P. Geol.

STATEMENT OF COSTS FOR THE AVD CLAIMS, (3 UNITS) FOR 1989 - 90.

Claims AVD - 3 Units.

Map No. 82K/15W

Mi. Rec. 1000012

Rec. Nos. 2050, 2051, 2052.

The above claims were recorded at Golden, B.C. on Sept. 16/89.

Geo-Chem Assays .....	144.50
Labor:- Geo-Chem sampling, Hand trenching, 1 day @ 8.00 hr..	128.00
Preparing Report and recording Geo-Chem .....	200.00
Board 2 man days @ 15.00 per day .....	30.00
Geo-Chem bags and supplies .....	12.00
4 X 4 35.00 per day .....	35.00
Travel in B.C. 45.00 per trip .....	<u>45.00</u>
Total Costs .....	594.50

SUMMARY OF WORK DONE ON THE AVD CLAIMS FOR 1989 -90.

A geo-chem survey was done on the northwest end of the AVD - 1 - claim. The survey line extended from 360 meter W. to 500 meters W. Samples were taken at ten meter intervals to determine the gold content in the soils. Some hand trenching was necessary to obtain clay samples below loose rock. 17 samples were taken and analyzed.



117°00'  
51°00'

M82K/15W

VERMONT CREEK

56K FROM AVD TO PARSONS BC

M82K/15W

CRYSTAL CREEK

GEO-CHEM SURVEY-1990

AVD
1-1
5-1
10
AVD
2-2
10
AVD
3-3
10

VAD-1-

CRYSTALLINE CREEK

N

VOWELL CREEK

CONRAD CREEK

1000M

INDEX MAP # 1  
AVD CLAIMS

117°00'

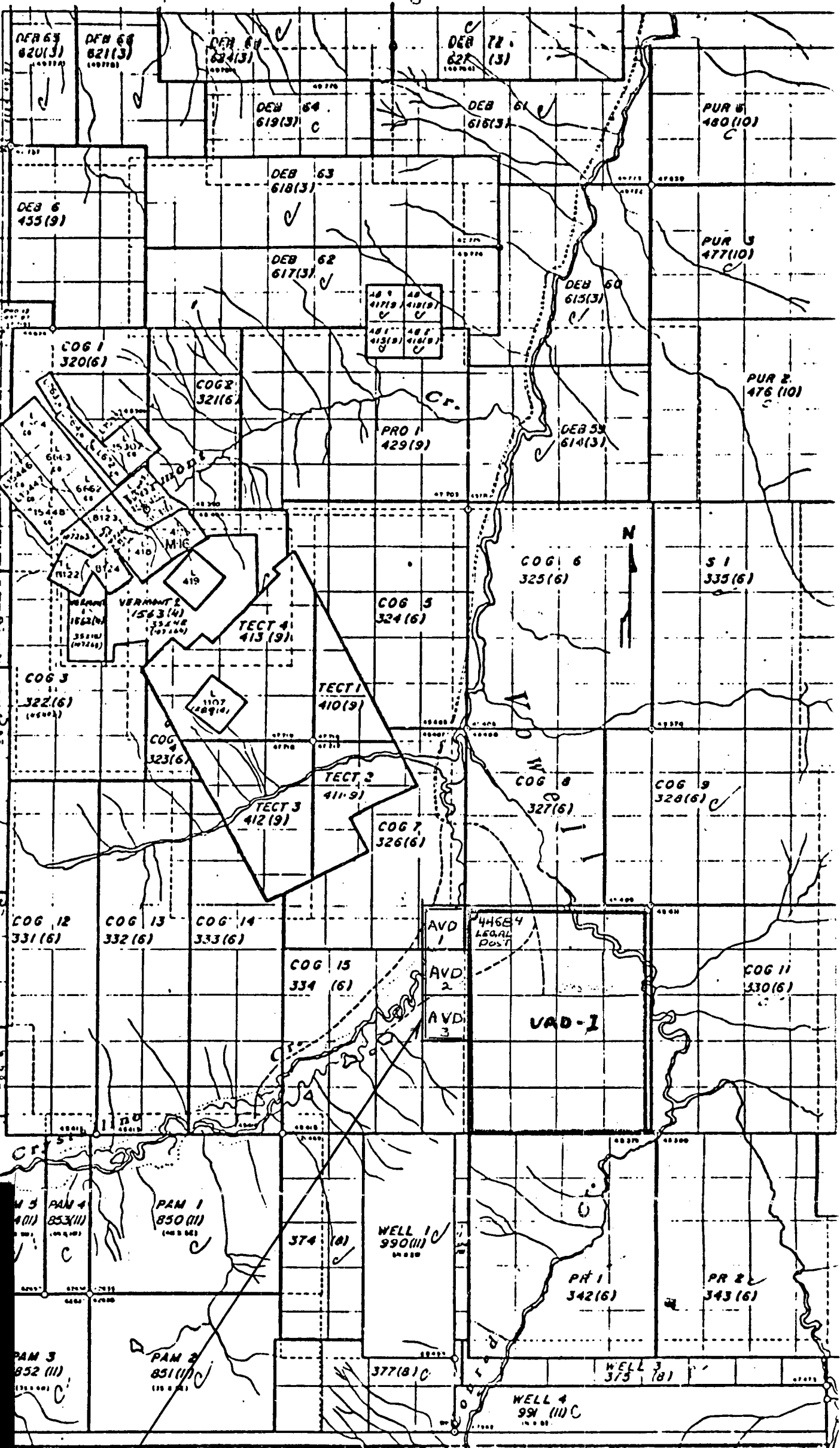
51°00' M82K/15W

6

5

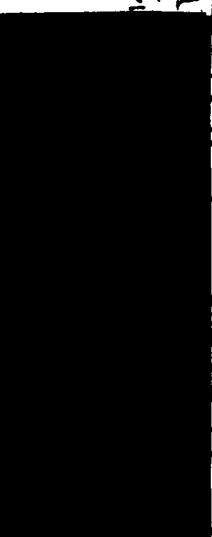
4

(FC: PLACER SEE P 82K/15W)



AVD 1000m

MAP # 2



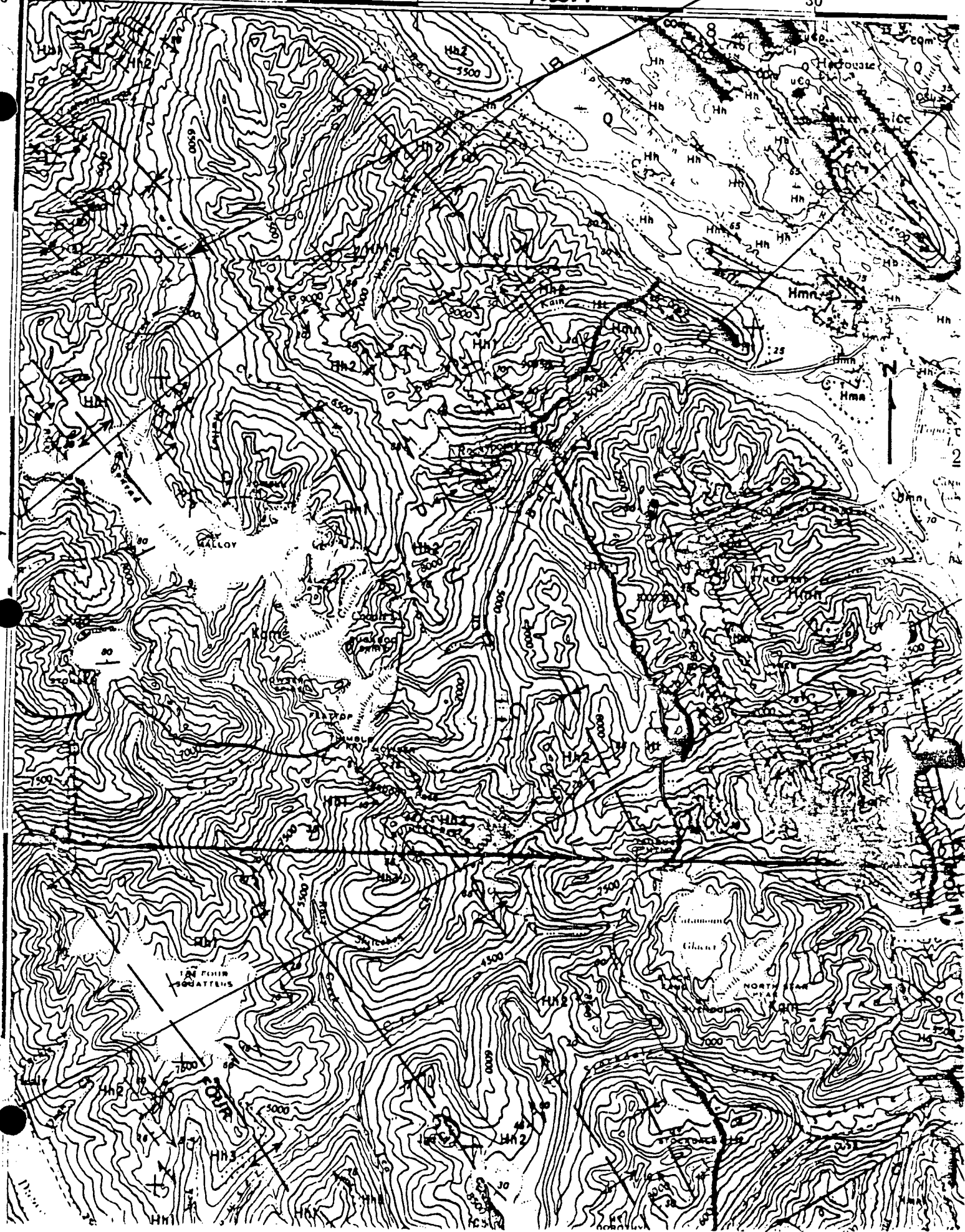
117°00'

# GEOLOGICAL MAP # 3 45'

4000M

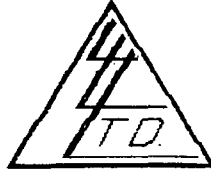
AVD CLAIM

17°00'



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

File No. 33651  
Date September 7, 1990  
Samples Soil



## Certificate of Assay LORING LABORATORIES LTD.

SAMPLE NO.


ppb  
Gold

### "GEOCHEMICAL ANALYSES"

AVD 340 WEST	Nil
350	Nil
360	Nil
370	Nil
380	65
390	10
400	10
410	Nil
420	13
430	380
440	12
450	Nil
460	Nil
Middle fallen	
trees 470	Nil
480	Nil
490	Nil
500	Nil

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

20,312

4 N N N N N 12 320 13 N 10 10 65 N N N N

AVD-1P 500M  
IP VAD-1

400M

300M

200M

100M

500M

400M

300M

200M

100M

FP  
AVD-2-100

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

20,312

Au  
AVD CLAIMS GEO-CHEM SURVEY  
MAP # 4 SEE INDEX MAP NO 1  
ALL READINGS - GOLD - PPB -  
CLAIM SHOWN - AVD-1 -

100 M