



42A06NE0362 2.10164 SHAW

010

BACKHOE TRENCHING AND ROCK SAMPLING PROGRAM

SHAW PROJECT M550  
SHAW AND WHITNEY TOWNSHIPS  
ONTARIO

by

**RECEIVED**

JUN 25 1987

**MINING LANDS SECTION**

Leslie A. Tihor

CHEVRON CANADA RESOURCES LIMITED  
167B Wilson Avenue  
Timmins, Ontario  
P4N 2T2

June 2, 1987



42A06NE0362 2.10164 SHAW

010C

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Figure 1 - Claim Map with Trench Locations (back pocket)

Figure 2 - Sketches of Trenches (back pocket)

### SUMMARY

Four soil and rock trenches were dug using a backhoe in locations considered prospective for gold mineralization. No gold values greater than 12 ppb were found.

### LOCATION

The 61 claim group is located in the extreme NE corner of Shaw Township and the SE corner of Whitney Township, 20 km ESE of downtown Timmins, Ontario. The property is accessible from the SW and the SE by all-terrain vehicles along old logging roads.

The property is reached by taking the gravel road known as Springer's Road or Langmiur Mine Road south from the old railway station in South Porcupine. The road accessing the property branches eastward from Springer's Road adjacent to the north side of the Redstone River bridge.

### PROPERTY

The property consists of two contiguous groups of claims referred to as the Rochon/Fournier Option and the Chevron claims.

The Rochon/Fournier Option consists of four contiguous claims: P866694 to P866697. The Chevron claims are also contiguous:

- P857038 to P857052
- P867301 to P867317
- P867321 to P867323
- P867325 to P867328
- P867457 to P867471
- P867331 to P867333

TRENCHING AND SAMPLING

Trenching was carried out with a backhoe mounted on a Bombardier swamp buggy. The backhoe, operator, and helpers were contracted from Northland Exploration of Timmins. As the rock was commonly intensely sheared rock was trenched by ripping with backhoe followed by manual cleaning with picks and shovels and compressed air.

Trenches 1,2,4, and the south half of 3 were sampled continuously, usually at 2 meter intervals.

Samples were fire assayed for gold by Min-En Labs of Vancouver (detection limit 1 ppb).

RESULTS

Most samples contained gold at or near the detection limit of 1 ppb. The highest assay was 12 ppb.

CONCLUSIONS

The rocks sampled in these trenches are not significantly enriched in gold.

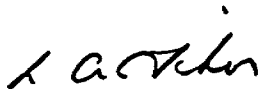


Leslie A. Tihor

Certificate of Author

I, Leslie A. Tihor, of 416 Frontenac Crescent, Timmins, Ontario certify that:

- (a) I am the author of the attached report;
- (b) I completed an H. BSc. in Geology at Lakehead University in 1973, and four years toward a Ph.D in Geology at McMaster University in 1977;
- (c) I have continuously practised the profession of Geology since 1973;
- (d) I personally supervised the work reported herein.



Leslie A. Tihor

APPENDIX A

Statement of Expenditures

EXPENDITURES

A)	Stripping and Backhoe Trenching	
	Northland Exploration - bulldozer backhoe, compressors etc. July 2 -July 8, 1986	6718.50 —
	Geologist supervisor, L.A. Tihor 5 days @ \$299.68	1498.40 .
		<hr/>
	Total	\$8216.90
	Assessment Credits \$8216.90/\$10/day	822 days
B)	Assaying and Report Writing	
	Min-En Labs 49 samples @ \$9.50	465.50
	Report Writing, L.A. Tihor 2 days @ \$299.68	599.36
	Drafting 0.5 days @ \$48.00	24.00
		<hr/>
	Total	\$1088.86
	Assessment Credits \$1088.86/\$15/day	73 days
	Total Assessment Credits	895 days

I hereby certify that these expenditures are true and correct and that all charges for these services have been paid in full.

*L.A. Tihor*  
L.A. Tihor



36 Emerald St., off Highway 101 West, P.O. Box 1368  
TIMMINS, ONTARIO P4N 7N2

Telephone (705) 264-9889  
(705) 267-4242

0100

INVOICE/STATEMENT

Mr. Les Tihor  
Chevron Canada Resources Limited  
167B Wilson Avenue  
Timmins, Ontario

DATE July 10, 1986  
PROJECT Trenching  
LOCATION Shaw Township

Period From July 2 To July 8, 1986

QTY.	UNIT	DESCRIPTION	UNIT PRICE	AMOUNT
		Mob & Demob Dozer & Backhoe		375 00
		TD-15 Dozer 16 Hours @ \$65.00		1,040 00
6	Days	Backhoe	350.00	2,100 00
<del>14.5</del> 16	Days	Men	175.00	<del>2,537 50</del> 2,800 00
6	Days	Truck	35.00	210 00
3	Days	Compressor	110.00	330 00
		Fuel 315 Litres @ \$.40		126 00
PLEASE PAY FROM THIS INVOICE. YOU WILL NOT BE RECEIVING A STATEMENT.			SUB TOTAL	6,718 50 6,982 00
TERMS: NET 15 DAYS A FINANCE CHARGE OF 2% PER MONTH (ANNUAL RATE OF 24%) WILL BE CHARGED ON BALANCES OVER 30 DAYS			TOTAL	6,718 50 6,982 00

Date July 10/86  
Material Rec'd July 10/86  
Date Sent To: July 16/86  
Charge: 11500  
Approved: [Signature]

S.O. # 16839



INVOICE

MIN-EN LABORATORIES LTD.  
705 WEST 15TH STREET  
NORTH VANCOUVER, B.C.  
CANADA V7M 1T2

INVOICE No 1909B

DATE: JULY 25/86

PHONE: (604) 980-5814 OR 988-4524  
TELEX: 04-352828

TO : CHEVRON  
TIMMINS, ONT.

FILE No: 62-290  
PROJECT:

ATTENTION L. TIHOR

QTY	DESCRIPTION	UNIT PRICE	AMOUNT
90	ROCK GEOCHEM - FIRE AU	6.50	585.00
1	ROCK GEOCHEM - CU, ZN, AG	3.80	3.80
2	ASSAYS - AU	7.50	15.00
90	ASSAYS SAMPLE PREP	3.00	270.00
* TOTAL *			873.80

Date	July 20/86
Material Rec'd:	July 31/86
Date Sent To:	MSO
Charge:	L. Tihor
Approved:	L. Tihor

S.O. # 16841 ✓

of this invoice

49 rock geochem + 49 sample prep  
are relevant to this report

L. Tihor

8465.50

=====

THESE ARE PROFESSIONAL SERVICES AND ARE PAYABLE WHEN RENDERED.  
OVER 30 DAYS 2% INTEREST PER MONTH WILL BE CHARGED.

APPENDIX B

Assays

MIN-EN LABORATORIES LTD.  
Specialists in Mineral Environments  
705 West 15th Street North Vancouver, B.C. Canada V7N 1T2

PHONE: (604) 980-5814 OR (604) 988-4524

TELEX: 04-352828

Certificate of ASSAY

Company: CHEVRON  
Project:  
Attention: L. TIHOR

File: 62-290/P1  
Date: JULY 25/86  
Type: ROCK ASSAY

We hereby certify the following results for samples submitted.

Sample Number	AU-FIRE PPB
------------------	----------------

72408	2
72409	2
72410	3
72411	2
72412	1

72413	1
72414	3
72415	1

72418	3
72419	1
72420	3
72421	1
72422	1

72423	4
72424	6
72425	3

72431	1
72432	1

72433	1
72434	2
72435	3
72436	1
72437	1

Certified by \_\_\_\_\_

  
MIN-EN LABORATORIES LTD.

MIN-EN LABORATORIES LTD.

Specialists in Mineral Environments

705 West 15th Street North Vancouver, B.C. Canada V7H 1T2

PHONE: (604)980-5814 OR (604)988-4524

TELEX: 04-352828

Certificate of ASSAY

Company: CHEVRON  
Project:  
Attention: L. TIHOR

File: 62-290/P2  
Date: JULY 25/86  
Type: ROCK ASSAY

We hereby certify the following results for samples submitted.

Sample Number	AU-FIRE PPB	CU PPM	ZN PPM	AG PPM
72438	4			
72439	2			
72440	1			
72441	5			
72442	2			
72443	1			
72444	11			
72445	3			
72448	12			
72449	2			
72450	1			
72451	1			
72452	3			
72456	1			
72457	1			
72458	3			
72459	4			
72460	1			
72461	5			
72464	1			
72465	1			
72466	6			
72467	11			

Certified by



MIN-EN LABORATORIES LTD.

MIN-EN LABORATORIES LTD.  
Specialists in Mineral Environments  
705 West 15th Street North Vancouver, B.C. Canada V7H 1T2

PHONE: (604)980-5814 OR (604)988-4524

TELEX: 04-352828

Certificate of ASSAY

Company: CHEVRON  
Project:  
Attention: L. TIHOR

File: 62-290/P3  
Date: JULY 25/86  
Type: ROCK ASSAY

We hereby certify the following results for samples submitted.

Sample Number	AU-FIRE PPB	AU G/TONNE	AU OZ/TON
72468	1		
72469	3		
72470	4		

Certified by



MIN-EN LABORATORIES LTD.



Ministry of  
Northern Development  
& Mines

Tec  
Wo



42A06NE0362 2.10164 SHAW

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File  
2.10164

July 23, 1987

Mining Recorder's Report of  
York No. 153

Recorded Holder	CHEVRON MINERALS LTD
Township or Area	SHAW TOWNSHIP

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
<b>Geophysical</b> Electromagnetic _____ days Magnetometer _____ days Radiometric _____ days Induced polarization _____ days Other _____ days Section 77 (19) See "Mining Claims Assessed" column Geological _____ days Geochemical _____ days Man days <input type="checkbox"/> Airborne <input type="checkbox"/> Special provision <input type="checkbox"/> Ground <input type="checkbox"/> <input type="checkbox"/> Credits have been reduced because of partial coverage of claims. <input type="checkbox"/> Credits have been reduced because of corrections to work dates and figures of applicant.	<p>\$1088.86 SPENT ON ANALYSES OF SAMPLES TAKEN FROM MINING CLAIMS:</p> <p>P 866696 867315</p> <p>73 ASSESSMENT WORK DAYS ARE ALLOWED WHICH MAY BE GROUPED IN ACCORDANCE WITH SECTION 76(6) OF THE MINING ACT.</p>

Special credits under section 77 (16) for the following mining claims

--

No credits have been allowed for the following mining claims

<input type="checkbox"/> not sufficiently covered by the survey	<input type="checkbox"/> insufficient technical data filed

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical - 80; Geological - 40; Geochemical - 40; Section 77(19) - 60.

July 23, 1987

Your File: 153  
Our File: 2.10164

Mining Recorder  
Ministry of Northern Development and Mines  
60 Wilson Avenue  
Timmins, Ontario  
P4N 2S7

Dear Sir:

RE: Data for Assaying submitted under Section 77(19)  
of the Mining Act R.S.O. 1980 on Mining Claims  
P 866696, et al, in Shaw Township

---

The enclosed statement of assessment work credits for Assaying  
have been approved as of the above date.

Please inform the recorded holder of these mining claims and  
so indicate on your records.

Yours sincerely,

R.M. Charnesky (Mrs.)  
Acting Manager  
Mining Lands Section  
Mineral Development and Lands Branch  
Mines and Minerals Branch

Whitney Block, Room 6610  
Queen's Park  
Toronto, Ontario  
M7A 1W3

Telephone: (416) 965-4888

AB/mc

cc: Chevron Minerals Ltd  
Suite 1714  
390 Bay Street  
Toronto, Ontario  
M5H 2Y2  
Attention: W.E. Glenn

Resident Geologist  
Timmins, Ontario

L.A. Tihor  
167B Wilson Avenue  
Timmins, Ontario  
P4N 2T2

Encl.



TO BE ATTACHED AS AN APPENDIX TO TECHNICAL REPORT  
FACTS SHOWN HERE NEED NOT BE REPEATED IN REPORT  
TECHNICAL REPORT MUST CONTAIN INTERPRETATION, CONCLUSIONS ETC.

Type of Survey(s) BACKHOE TRENCHING & ROCK SAMPLING  
 Township or Area SHAW TOWNSHIP  
 Claim Holder(s) CHEVRON MINERALS LTD.  
#1714-390 BAY STREET, TORONTO, ONTARIO  
 Survey Company CHEVRON CANADA RESOURCES LTD.  
 Author of Report LESLIE A. TIHOR  
 Address of Author 167B WILSON AVENUE, TIMMINS, ONTARIO  
 Covering Dates of Survey 02-07-86 - 02-06-87  
 (linecutting to office)  
 Total Miles of Line Cut \_\_\_\_\_

**MINING CLAIMS TRAVERSED**  
List numerically

P	866696
(prefix)	(number)
	867315

If space insufficient, attach list

**SPECIAL PROVISIONS  
CREDITS REQUESTED**

**DAYS  
per claim**

ENTER 40 days (includes  
line cutting) for first  
survey.

ENTER 20 days for each  
additional survey using  
same grid.

- Geophysical
  - Electromagnetic \_\_\_\_\_
  - Magnetometer \_\_\_\_\_
  - Radiometric \_\_\_\_\_
  - Other \_\_\_\_\_
- Geological \_\_\_\_\_
- Geochemical \_\_\_\_\_

**AIRBORNE CREDITS** (Special provision credits do not apply to airborne surveys)

Magnetometer \_\_\_\_\_ Electromagnetic \_\_\_\_\_ Radiometric \_\_\_\_\_  
 (enter days per claim)

DATE: June 23/87 SIGNATURE: [Signature]  
 Author of Report or Agent

Res. Geol. \_\_\_\_\_ Qualifications 2-7098

**Previous Surveys**

File No.	Type	Date	Claim Holder

TOTAL CLAIMS \_\_\_\_\_

OFFICE USE ONLY



# GEOPHYSICAL TECHNICAL DATA

## GROUND SURVEYS – If more than one survey, specify data for each type of survey

Number of Stations \_\_\_\_\_ Number of Readings \_\_\_\_\_  
Station interval \_\_\_\_\_ Line spacing \_\_\_\_\_  
Profile scale \_\_\_\_\_  
Contour interval \_\_\_\_\_

### MAGNETIC

Instrument \_\_\_\_\_  
Accuracy – Scale constant \_\_\_\_\_  
Diurnal correction method \_\_\_\_\_  
Base Station check-in interval (hours) \_\_\_\_\_  
Base Station location and value \_\_\_\_\_  
\_\_\_\_\_

### ELECTROMAGNETIC

Instrument \_\_\_\_\_  
Coil configuration \_\_\_\_\_  
Coil separation \_\_\_\_\_  
Accuracy \_\_\_\_\_  
Method:  Fixed transmitter  Shoot back  In line  Parallel line  
Frequency \_\_\_\_\_  
(specify V.L.F. station)  
Parameters measured \_\_\_\_\_

### GRAVITY

Instrument \_\_\_\_\_  
Scale constant \_\_\_\_\_  
Corrections made \_\_\_\_\_  
\_\_\_\_\_  
Base station value and location \_\_\_\_\_  
\_\_\_\_\_  
Elevation accuracy \_\_\_\_\_

### INDUCED POLARIZATION RESISTIVITY

Instrument \_\_\_\_\_  
Method  Time Domain  Frequency Domain  
Parameters – On time \_\_\_\_\_ Frequency \_\_\_\_\_  
– Off time \_\_\_\_\_ Range \_\_\_\_\_  
– Delay time \_\_\_\_\_  
– Integration time \_\_\_\_\_  
Power \_\_\_\_\_  
Electrode array \_\_\_\_\_  
Electrode spacing \_\_\_\_\_  
Type of electrode \_\_\_\_\_

SELF POTENTIAL

Instrument \_\_\_\_\_ Range \_\_\_\_\_

Survey Method \_\_\_\_\_

Corrections made \_\_\_\_\_

RADIOMETRIC

Instrument \_\_\_\_\_

Values measured \_\_\_\_\_

Energy windows (levels) \_\_\_\_\_

Height of instrument \_\_\_\_\_ Background Count \_\_\_\_\_

Size of detector \_\_\_\_\_

Overburden \_\_\_\_\_

(type, depth – include outcrop map)

OTHERS (SEISMIC, DRILL WELL LOGGING ETC.)

Type of survey \_\_\_\_\_

Instrument \_\_\_\_\_

Accuracy \_\_\_\_\_

Parameters measured \_\_\_\_\_

Additional information (for understanding results) \_\_\_\_\_

AIRBORNE SURVEYS

Type of survey(s) \_\_\_\_\_

Instrument(s) \_\_\_\_\_

(specify for each type of survey)

Accuracy \_\_\_\_\_

(specify for each type of survey)

Aircraft used \_\_\_\_\_

Sensor altitude \_\_\_\_\_

Navigation and flight path recovery method \_\_\_\_\_

Aircraft altitude \_\_\_\_\_ Line Spacing \_\_\_\_\_

Miles flown over total area \_\_\_\_\_ Over claims only \_\_\_\_\_

GEOCHEMICAL SURVEY - PROCEDURE RECORD

Numbers of claims from which samples taken P866696, P867315

Total Number of Samples 49  
Type of Sample ROCK  
(Nature of Material)  
Average Sample Weight \_\_\_\_\_  
Method of Collection \_\_\_\_\_  
Soil Horizon Sampled \_\_\_\_\_  
Horizon Development \_\_\_\_\_  
Sample Depth \_\_\_\_\_  
Terrain \_\_\_\_\_  
Drainage Development \_\_\_\_\_  
Estimated Range of Overburden Thickness \_\_\_\_\_

**SAMPLE PREPARATION**  
(Includes drying, screening, crushing, ashing)

Mesh size of fraction used for analysis \_\_\_\_\_  
General \_\_\_\_\_

**ANALYTICAL METHODS**

Values expressed in: per cent   
p. p. m.   
p. p. b.

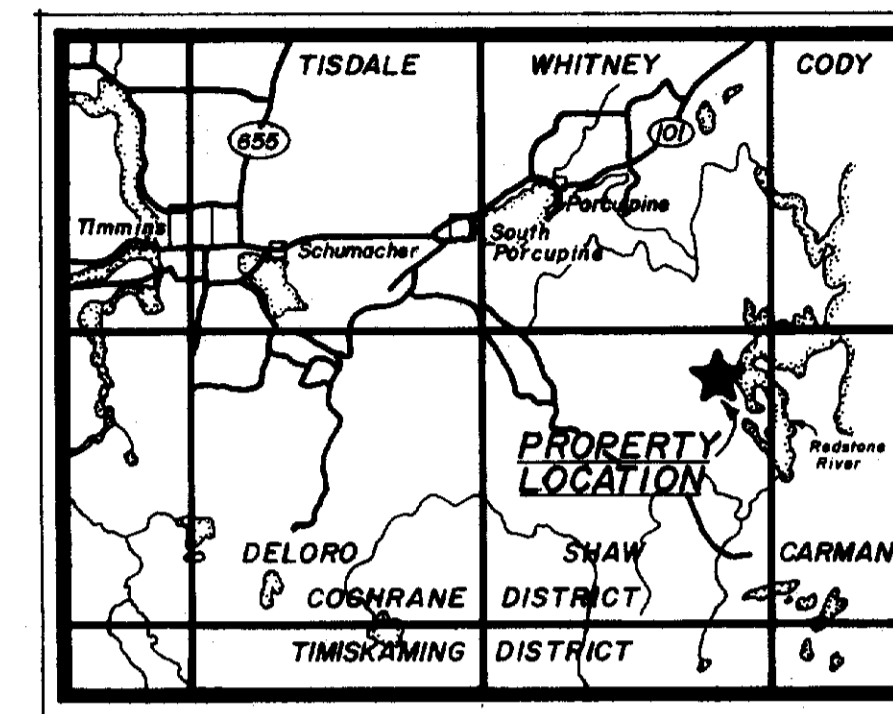
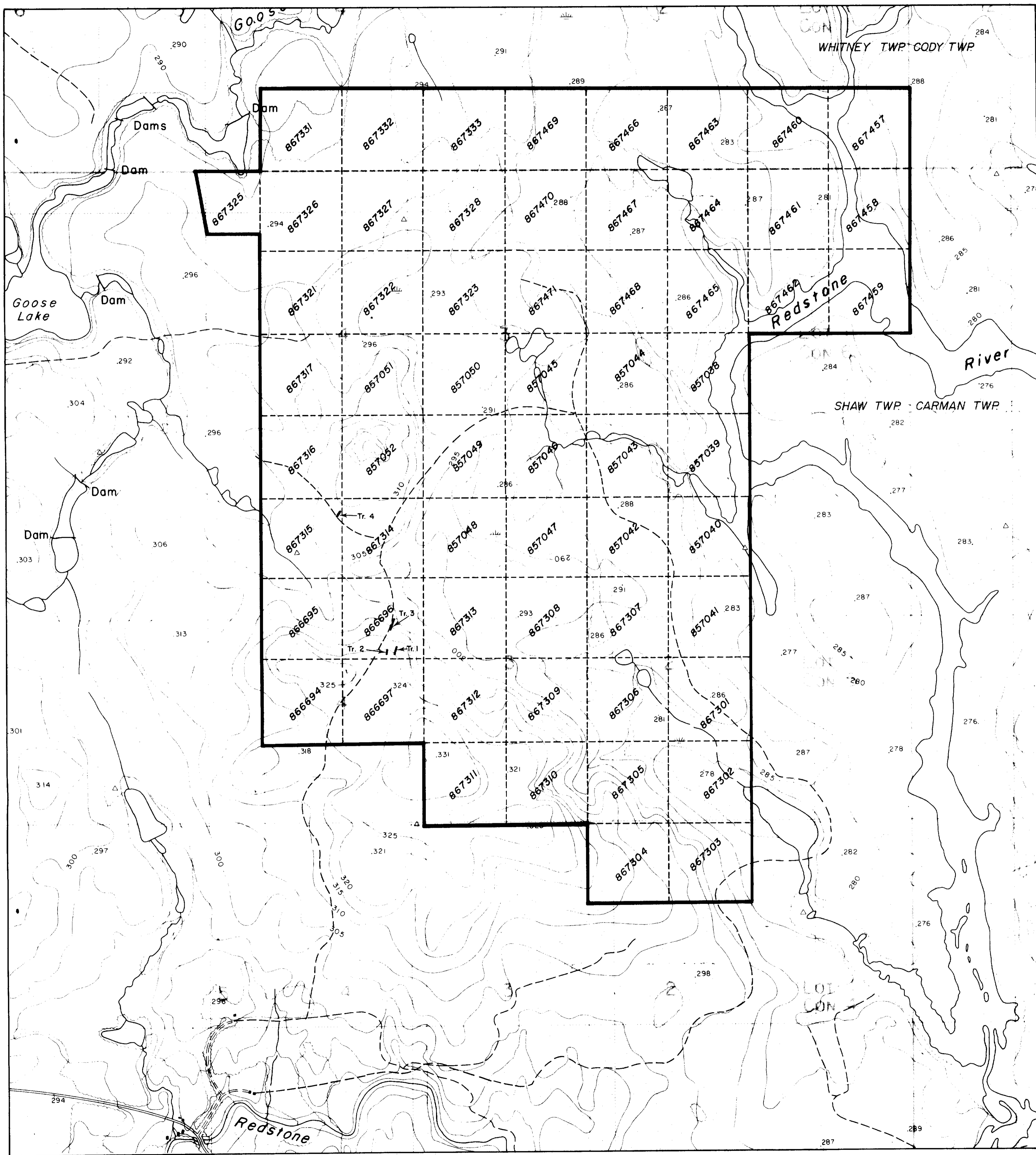
Cu, Pb, Zn, Ni, Co, Ag, Mo, As, (circle)  
Others Au

Field Analysis (\_\_\_\_\_ tests)  
Extraction Method \_\_\_\_\_  
Analytical Method \_\_\_\_\_  
Reagents Used \_\_\_\_\_

Field Laboratory Analysis  
No. (\_\_\_\_\_ tests)  
Extraction Method \_\_\_\_\_  
Analytical Method \_\_\_\_\_  
Reagents Used \_\_\_\_\_

Commercial Laboratory (\_\_\_\_\_ tests)  
Name of Laboratory MIN-EN LABS  
Extraction Method FIRE ASSAY  
Analytical Method \_\_\_\_\_  
Reagents Used \_\_\_\_\_

General \_\_\_\_\_



Description of Trenches

- Tr. 1 - 34m x 2m x 1m deep
- Tr. 2 - 14m x 2m x 1m deep
- Tr. 3 - 46m x 2m x 1m deep
- Tr. 4 - 20m x 2m x 1m deep

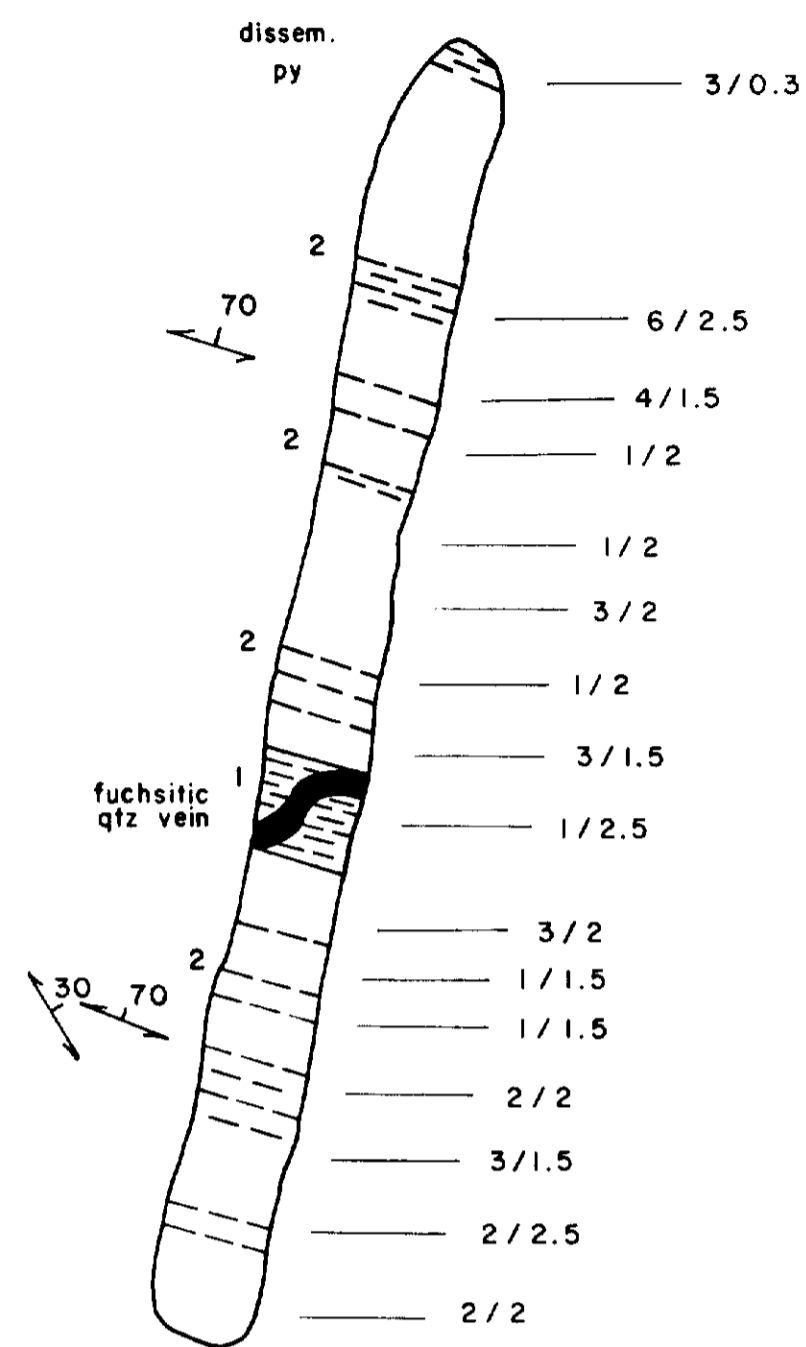


*L. A. T. June 3, 1947*

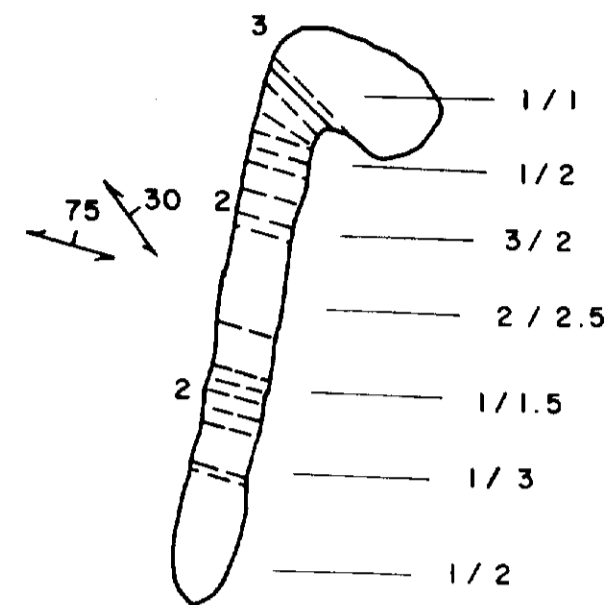
<b>Chevron Canada Resources Limited</b> Minerals Staff		
<b>SHAW PROJECT</b> <span style="float: right;"><i>210164</i></span> <b>TRENCH LOCATIONS</b>		
FIGURE No 1	PROJECT No M550	
DATE	REVISIONS	SCALE 1:10000
NTS No		FILE No.
COMPILED BY L.A.T.		



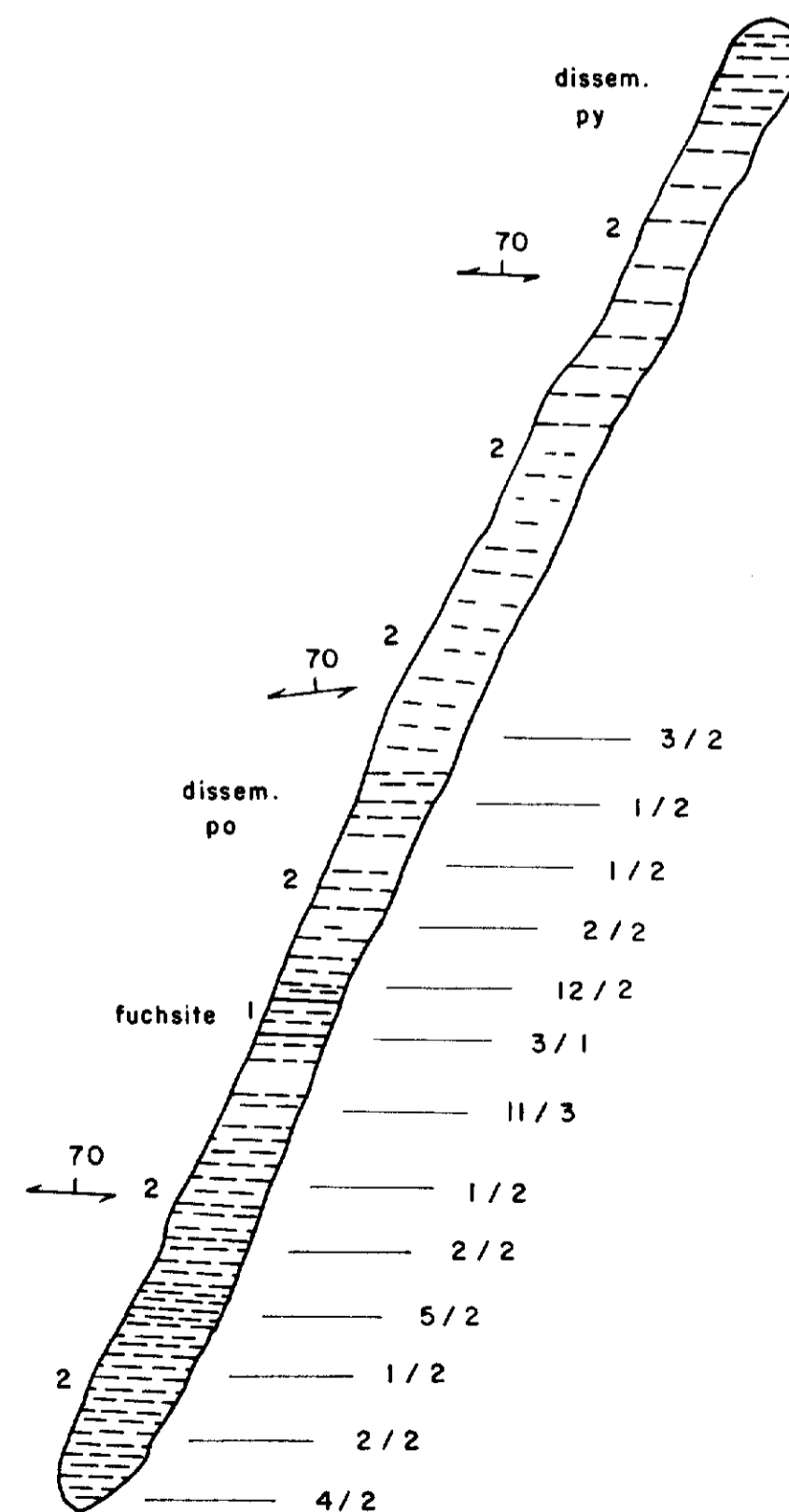
Trench No. 1



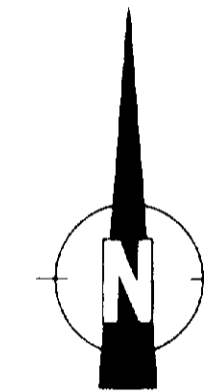
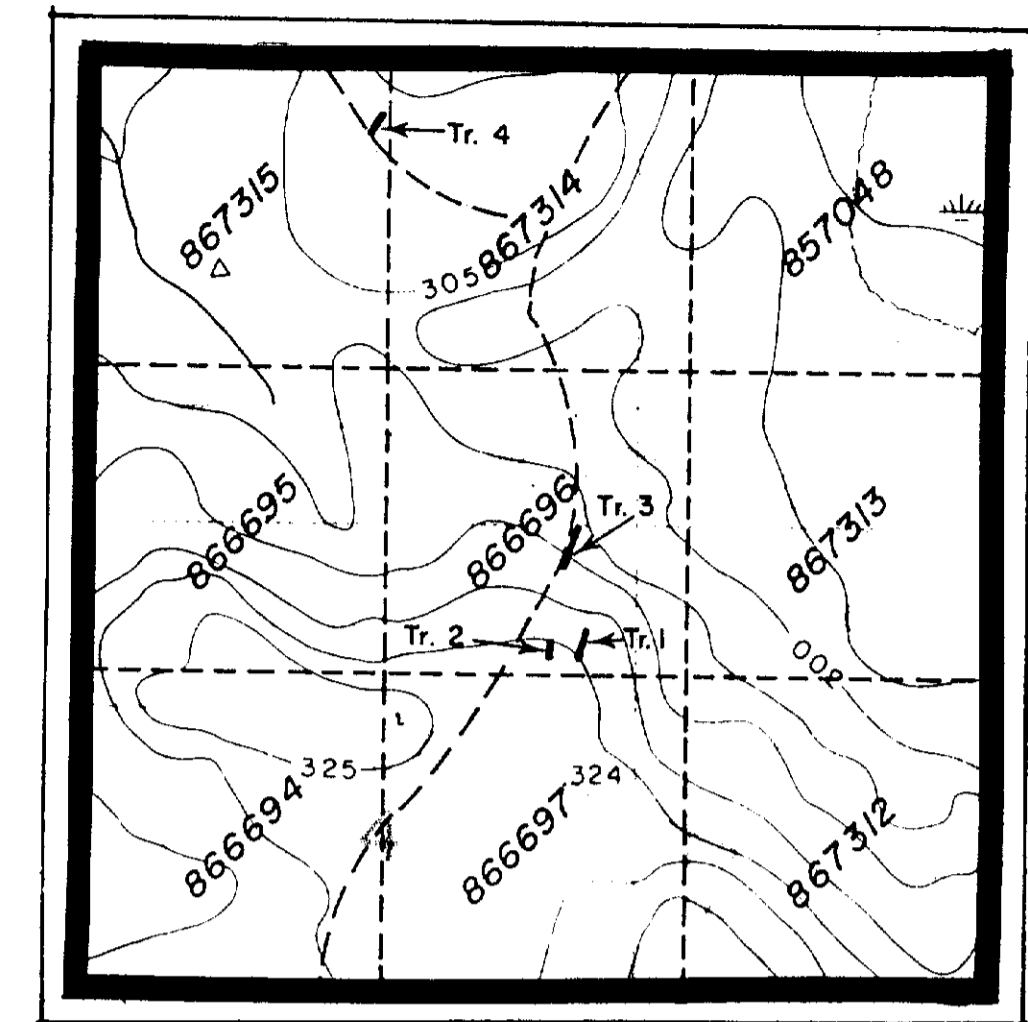
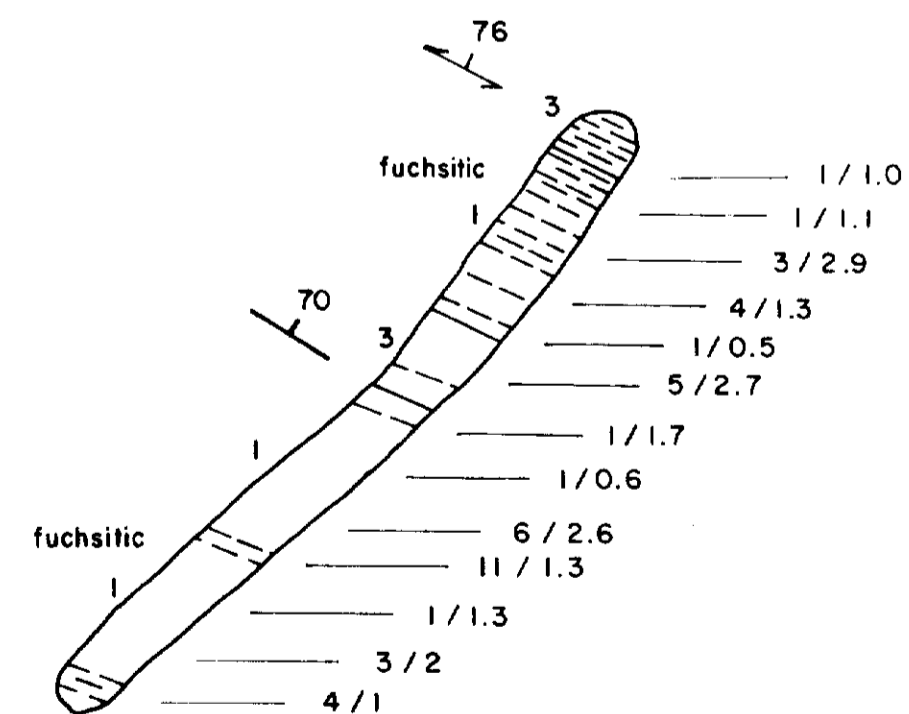
Trench No. 2



Trench No. 3



Trench No. 4



- 3 Felsic Porphyry
- 2 Mafic to Int. Volcanics
- 1 Ultramafics
- foliation
- $\frac{70}{\rightarrow}$  foliation direction
- $\frac{70}{\text{---}}$  bedding
- $\frac{2/2.5}{\text{---}}$  Au(ppb) / meters



*Leather*  
*June 2, 1987*

<b>Chevron Canada Resources Limited</b> Minerals Staff	
<b>SHAW PROJECT</b> TRENCHING <span style="float: right;"><i>210164</i></span>	
FIGURE No. 2	PROJECT No. M 550
DATE May 22, 1987	REVISIONS
NTS No.	SCALE 1: 2 000
COMPILED BY L. A. T.	FILE No.

