



42A05SE0103 2.13317 DENTON

010

Report on Bedrock Sampling
by Reverse-Circulation Drilling
Cripple Creek Property, Denton Township
Esperanto Resources Ltd/TME Resources Inc.

by

William O. Karvinen, Ph.D.
May 16, 1990

RECEIVED

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MINING LANDS SECTION

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42A055E0103 2.13317 DENTON

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Introduction

From Feb. 15 to Feb. 19, 1990, Heath and Sherwood Drilling (1986) Inc. carried out reverse-circulation drilling under the direction of the writer on 6 of 11 claims in Denton Township, Ontario held jointly by TME Resources Inc and Esperanto Resources Ltd. of Vancouver.

The purpose of the program was to obtain bedrock samples from IP anomalies and magnetically low areas. Some information on the type and depth of overburden had been obtained earlier by portable drilling with a Cobra (Karvinen, 1988), but because of the compact nature of the till on the western part of the property, bedrock was not reached in most holes.

In addition to getting information of the type of bedrock, data on alteration and trace element patterns which may be associated with gold mineralization can also be obtained.

Location and Access

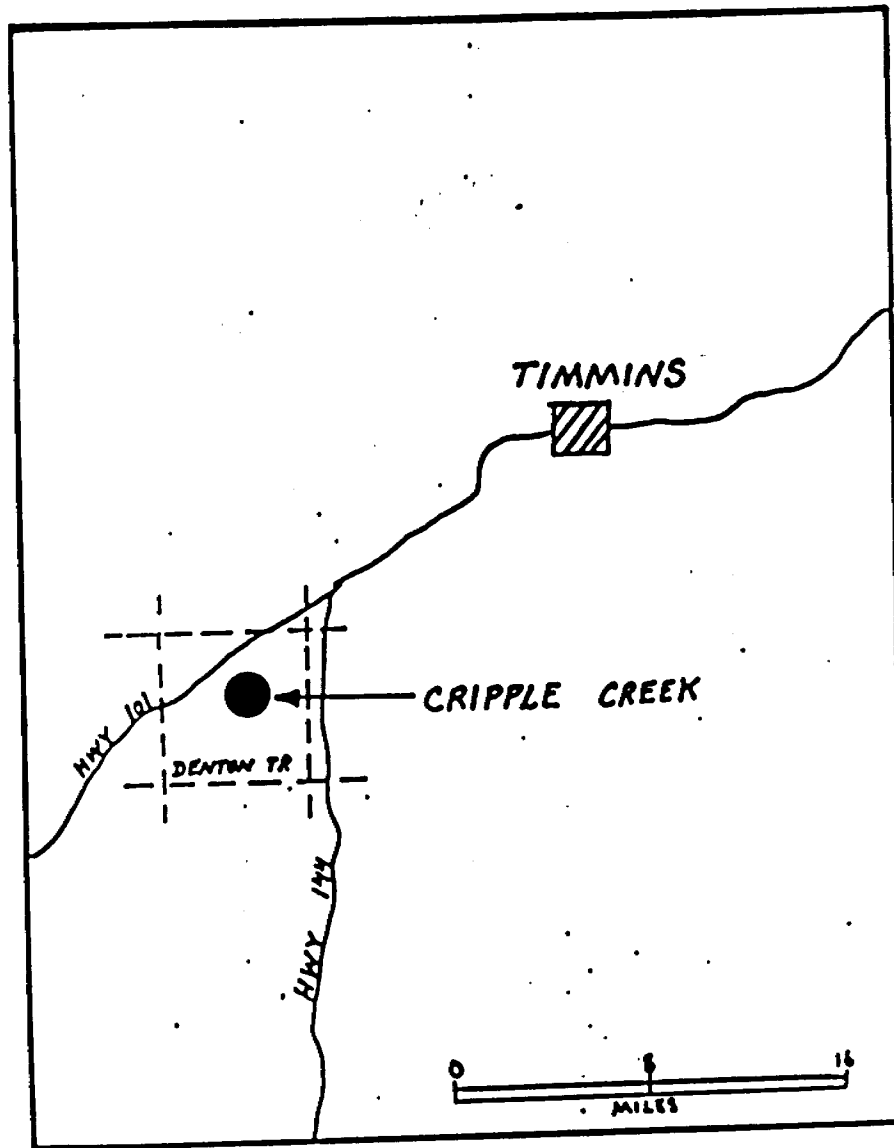
The Cripple Creek property is located in central Denton Township approximately 20 miles southwest of Timmins (Fig. 1). The claim group is accessible via a seasonal logging road, about 3 miles long, which leaves Highway 101 at the Government waste disposal site (Fig. 2).

Property Description

The property comprises 11 contiguous unpatented claims numbered: P865396 to P865403 and P930957 to P930959 inclusive (Fig. 2). The claims are held in trust for TME and Esperanto by William O. Karvinen.

Previous Work

Although a considerable amount of exploration has been done by various companies in the vicinity of the Cripple Creek claims, the only previous work reported on this property was by Hollinger Consolidated Mines Ltd. in the early 1960's. This company conducted a horizontal loop EM survey, a fluxgate magnetic survey and mapped the property. Four holes were drilled to test anomalies (MNDM Assess. files, Timmins). The lack of sensitivity of the magnetic survey showed few details of the variation of



Location Map

Fig. 1: Location Map of Cripple Creek Property

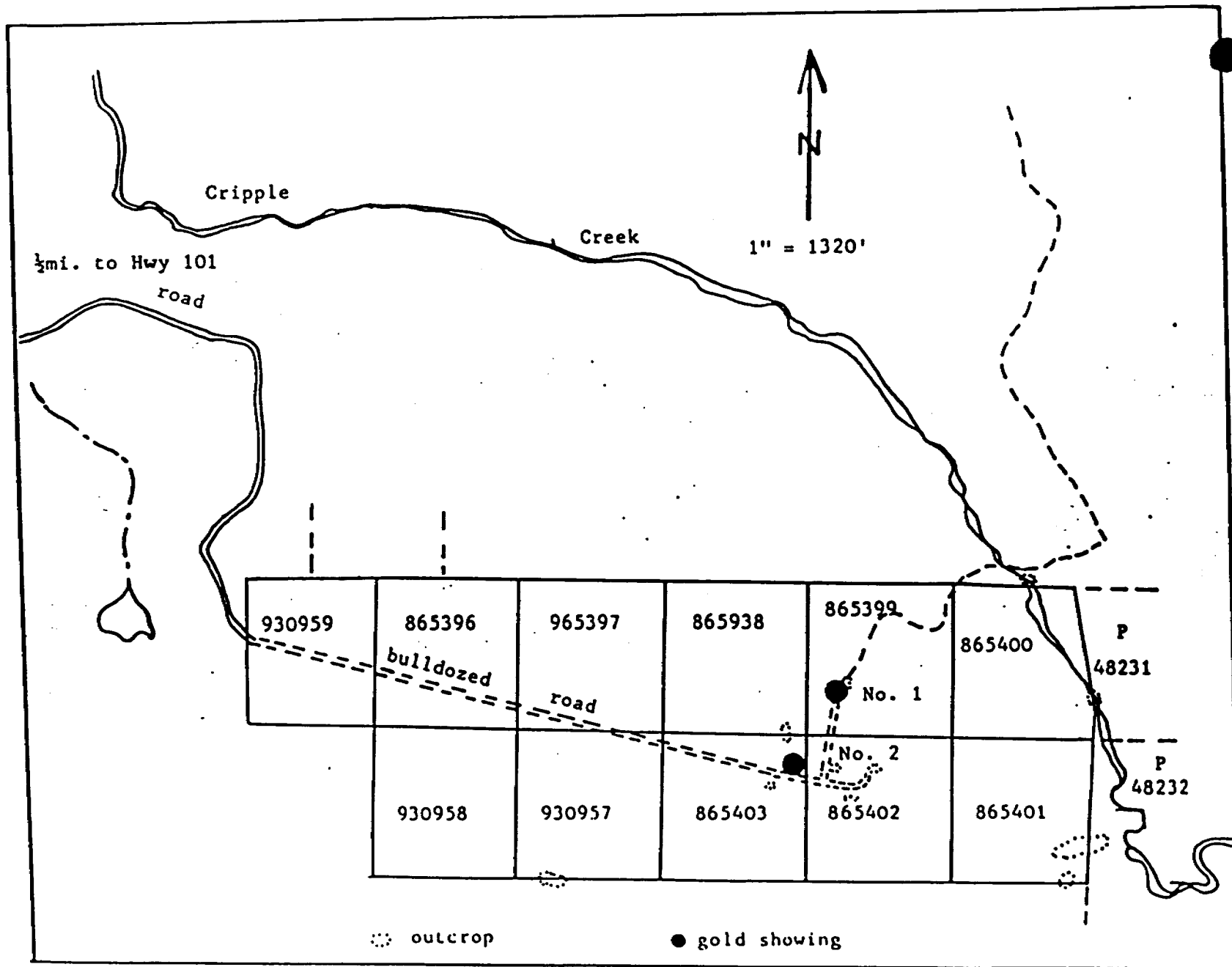


Fig. 2
Detailed Map of the Cripple Creek Claims

lithologies. The EM survey delineated a weak conductor which has been traced by VLF and trenched by the present owners of the property. This conductive zone can be followed by VLF and IP for thousands of feet and appears to be caused by sulfidic graphite-bearing sediments (Karvinen, 1988).

Since the property was optioned by TME Resources Inc. in late 1986, several surveys have been done on it. These include geologic mapping, detailed magnetic and VLF surveys, percussion overburden drilling, trenching and sampling of bedrock showings and an IP survey. All except the latter survey have been described in reports by the writer (see reference list).

Results of this work have indicated the potential of this property to be in highly altered rocks which occur in a similar geological setting to known gold deposits in nearby Timmins. The VLF and IP surveys have delineated the extent of potentially mineralized zones, and in the present work, these were partly tested by sampling with an RC drill.

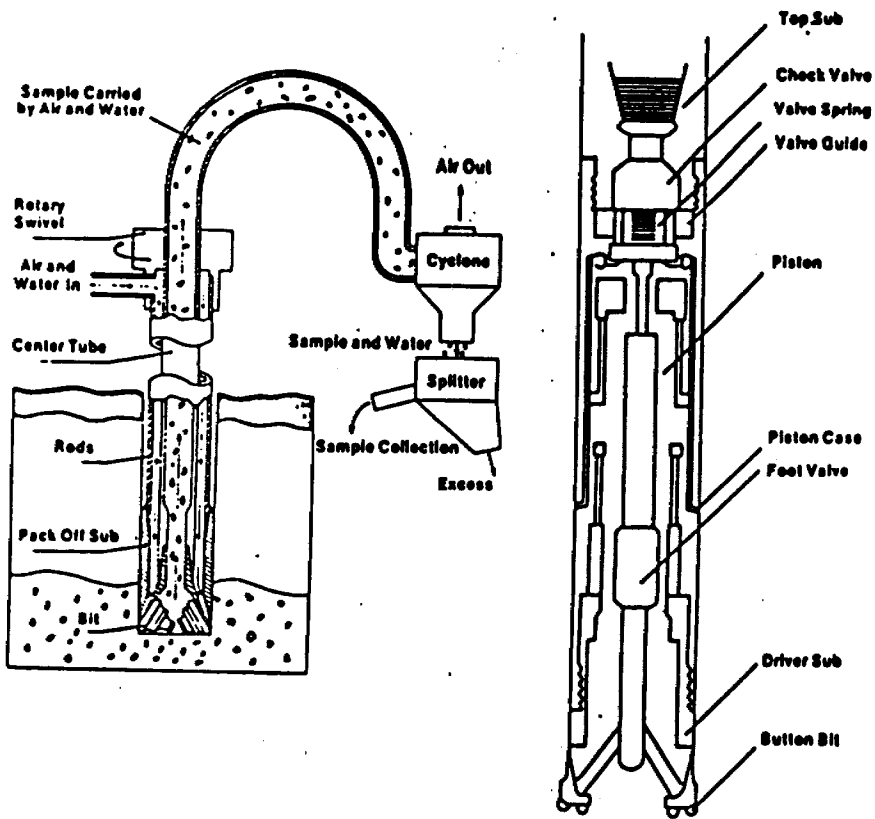
Reverse-Circulation Drilling

Because of the small area of the claims and the complexity of the tills, it was decided to use the RC drill only for the purpose of obtaining bedrock samples and to forego the expense of sampling and analyzing the glacial sediments.

Drill targets were chosen over VLF conductors and two were drilled to test a broad magnetic low (Fig. 3 & 4).

The RC system used is the conventional method developed in the early 1970's and the main one used in overburden drilling in the Great Clay Belt of Northern Ontario and Quebec (see diagram). The drill uses a dual tube setup where water and air are pumped down the outer pipe and the cuttings and material encountered by the tri-cone bit are washed up through the central pipe. The sample is passed into a cyclone and a splitter. During the present survey, all of the bedrock was washed and only the coarse fraction (>5 mm) of the cuttings was collected. The unconsolidated glacial sediments were pumped up to the surface and discarded.

The drill is totally self-contained and mounted on a track-driven carrier. A swamp buggy is used to transport men, equipment and water to the drill. The drill can traverse in forests with trees less than 20 cm in diameter and cross very soft boggy areas. Because of the unusually deep snow this winter, the roads were



Diagrammatic Illustration of the Reverse-Circulation Drilling System, from Heath & Sherwood.

cleared for the drill by a wide-pad D-6 contacted from Leo Allaire and Sons of Timmins. The drill was operated at 12 hour shifts per day by two men and supervised by the writer.

Results

Bedrock was reached and collected at all of the twenty sites tested. Depths to bedrock ranged from 5 feet to 90 feet with the average being 27 feet (Table I). Rock types encountered were mainly a variety of sericite schists, talc-chlorite schists, and graphitic sediments (Table I). Very little sulfides (pyrite) are present in most of the samples, however quartz-carbonate veining is abundant in some of the sericite schists.

Most of the moderate to strong IP anomalies appear to be caused by highly-sheared sericitic schist (with < 1% sulfides) and by graphitic sediments. The No. 2 zone of quartz-carbonate veining with pyrite was encountered in holes CC-9 and CC-10 and does not show up as an IP anomaly. The extensive amount of vein quartz in holes CC-14, CC-15 and CC-16 on line 2300E may be the westward extension of Zone 2 (Table I).

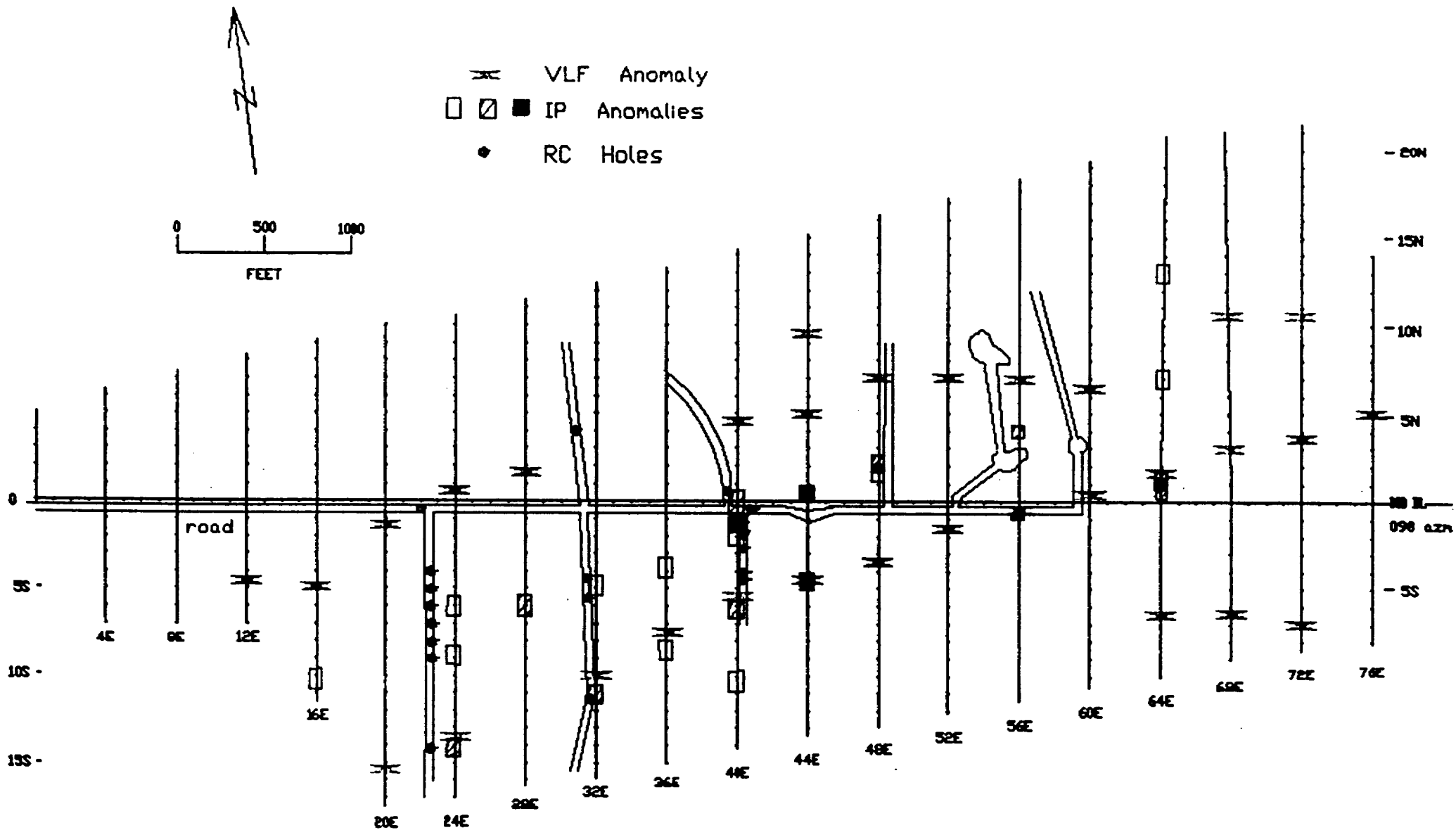
The magnetic low north of the base line was tested with hole No. CC-2 and found to be talc-chlorite-carbonate (altered ultramafic) and not a felsic porphyry as previously interpreted (Karvinen, 1988).

Rock with a substantial amount of talc was encountered in holes CC-8, CC-18 and CC-19. These holes are widely separated and the connection between them is not well known. A poor outcrop of talc-rich rock is known at about 5000E 300N which may be the same zone as encountered in hole CC-8. The talc appears to be an alteration product and contains no detectable magnetite. The amount of associated magnesium carbonate and other impurities are being determined mineralogically.

Chemical Analyses

Twelve of the bedrock samples obtained from the drilling were sent to Actlabs in Ancaster for analysis of 33 trace and major elements plus gold. The method uses neutron activation of a 30 gm sample. Many of the trace elements, including As, Sb, W, Zn, and Eu are useful pathfinder elements for gold.

Elements which show marked enrichments along the No. 2 zone and accompany the areas of abundant quartz veining are arsenic, nickel and chromium (see figures 4, 5, 6 and 7). Gold is generally low in all the samples with slight elevations in the quartz veined rocks.



RC Drill Holes and VLF/IP Anomalies
Cripple Creek Property

Figure 3:

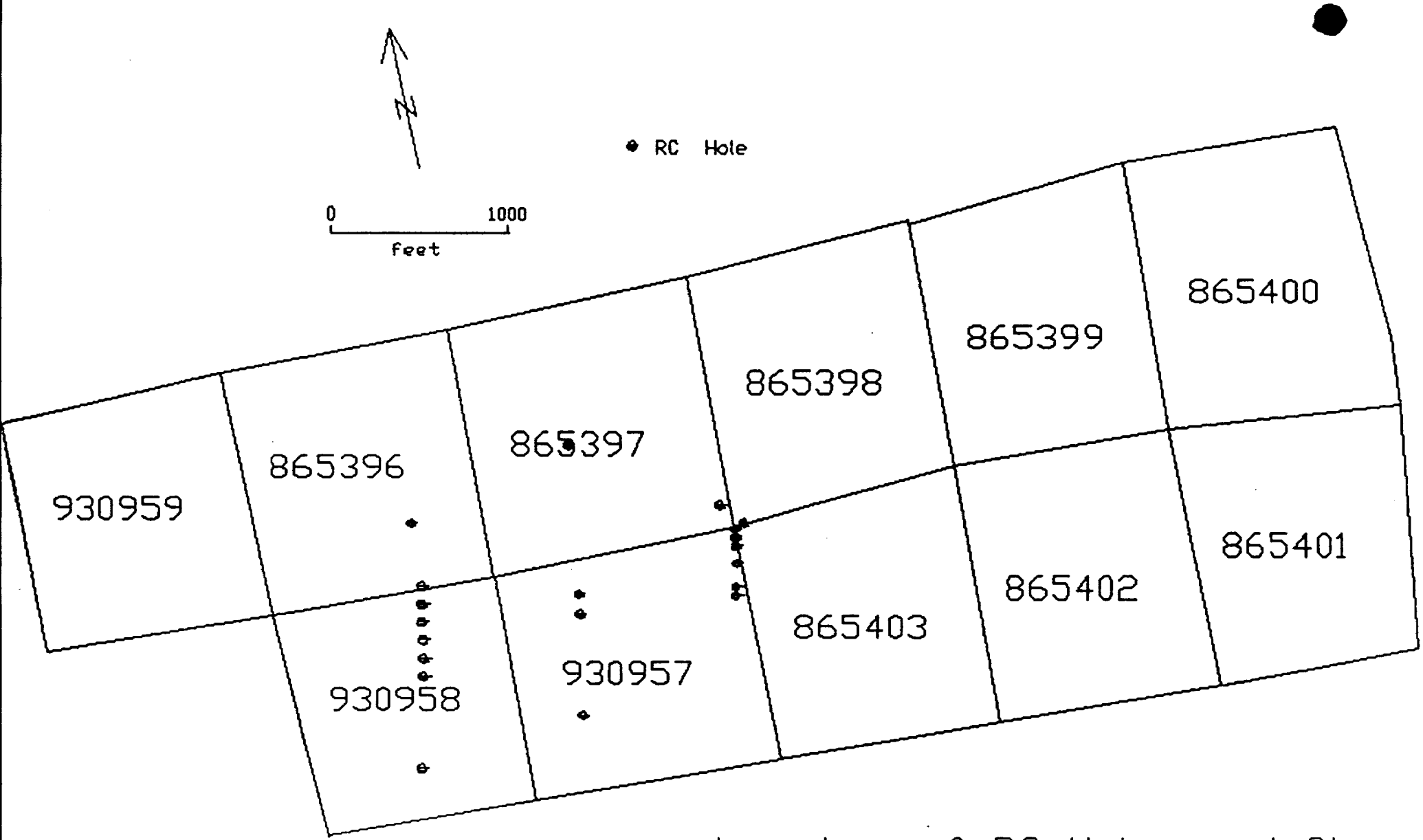


Figure 4:

Location of RC Holes and Claims
Cripple Creek Property

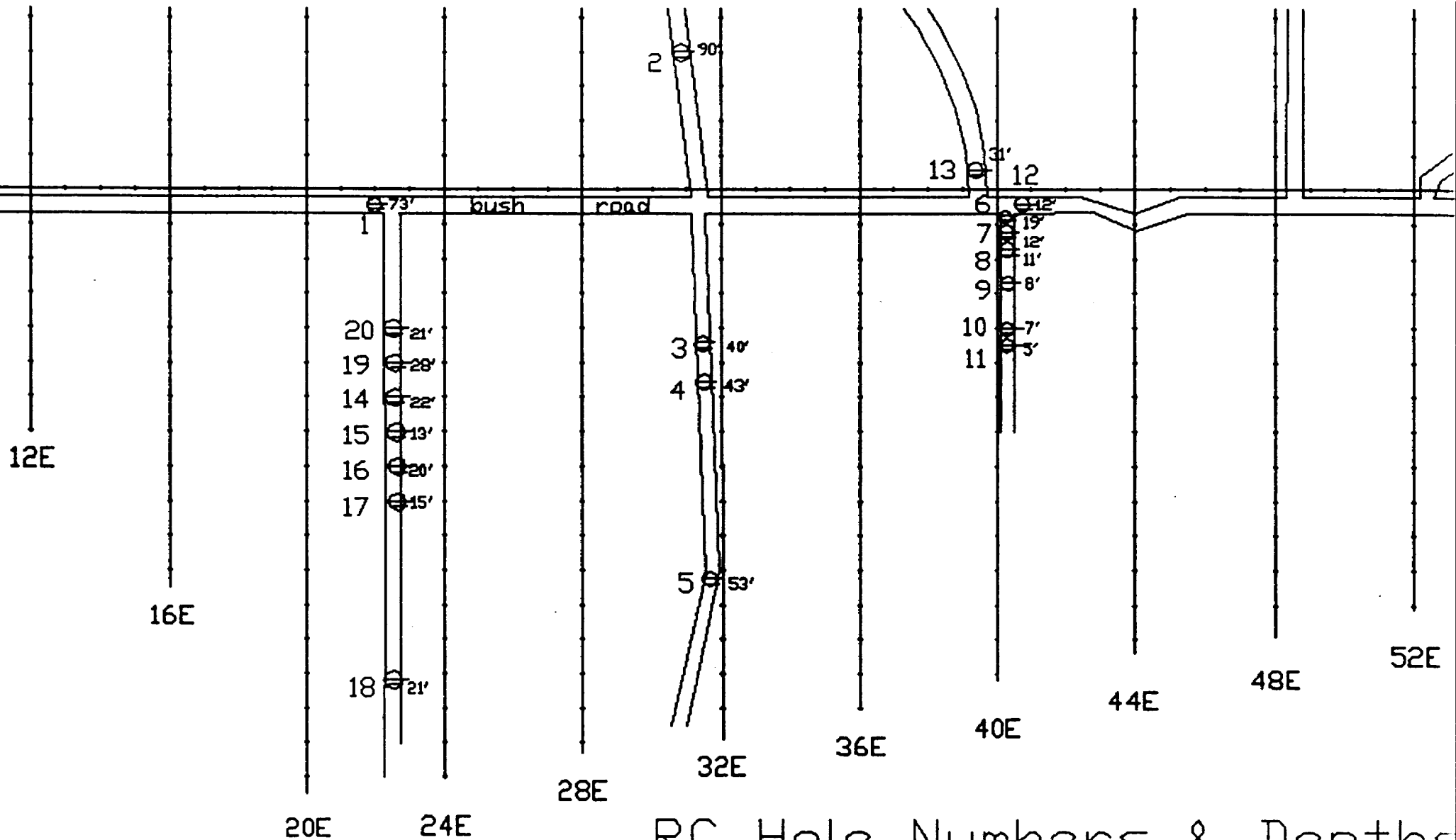


Figure 4a:

RC Hole Numbers & Depths
Cripple Creek Property

Table I: Data on RC Holes Drilled at Cripple Creek

<u>Hole No.</u>	<u>Location</u>		<u>Depth</u>	<u>Rock Type</u>
CC-1	2200E	BL	73 ft.	talc-chlorite; carb veins
CC-2	3100E	400N	90	talc-chlorite-carbonate
CC-3	3150E	440S	40	carb. sericite schist
CC-4	3150E	560S	43	chl. schist with qtz veins
CC-5	3100E	1130S	53	graphitic pyllite
CC-6	4050E	700S	19	gray, sericite schist
CC-7	4050E	120S	12	sericite schist; some qtz
CC-8	4050E	170S	11	talc-rich rock;
CC-9	4050E	270S	8	sericite schist; 1% qtz
CC-10	4050E	400S	7	carb. ser. sch. 10% qtz
CC-11	4050E	450S	5	chl. ser. schist
CC-12	4025E	30S	12	gray ser. schist
CC-13	3900E	60N	31	carb. ser. sch. 1% qtz
CC-14	2300E	600S	22	ser. sch. 60% vein qtz
CC-15	2300E	700S	13	ser. sch. 40% vein qtz
CC-16	2300E	800S	20	chl. sch. 30% vein qtz
CC-17	2300E	900S	15	chl. sch. some vein qtz
CC-18	2300E	1420S	21	talc-rich rock; some chl.
CC-19	2300E	500S	28	talc-rich rock
CC-20	2300E	400S	21	gray, ser. sch. tr. py

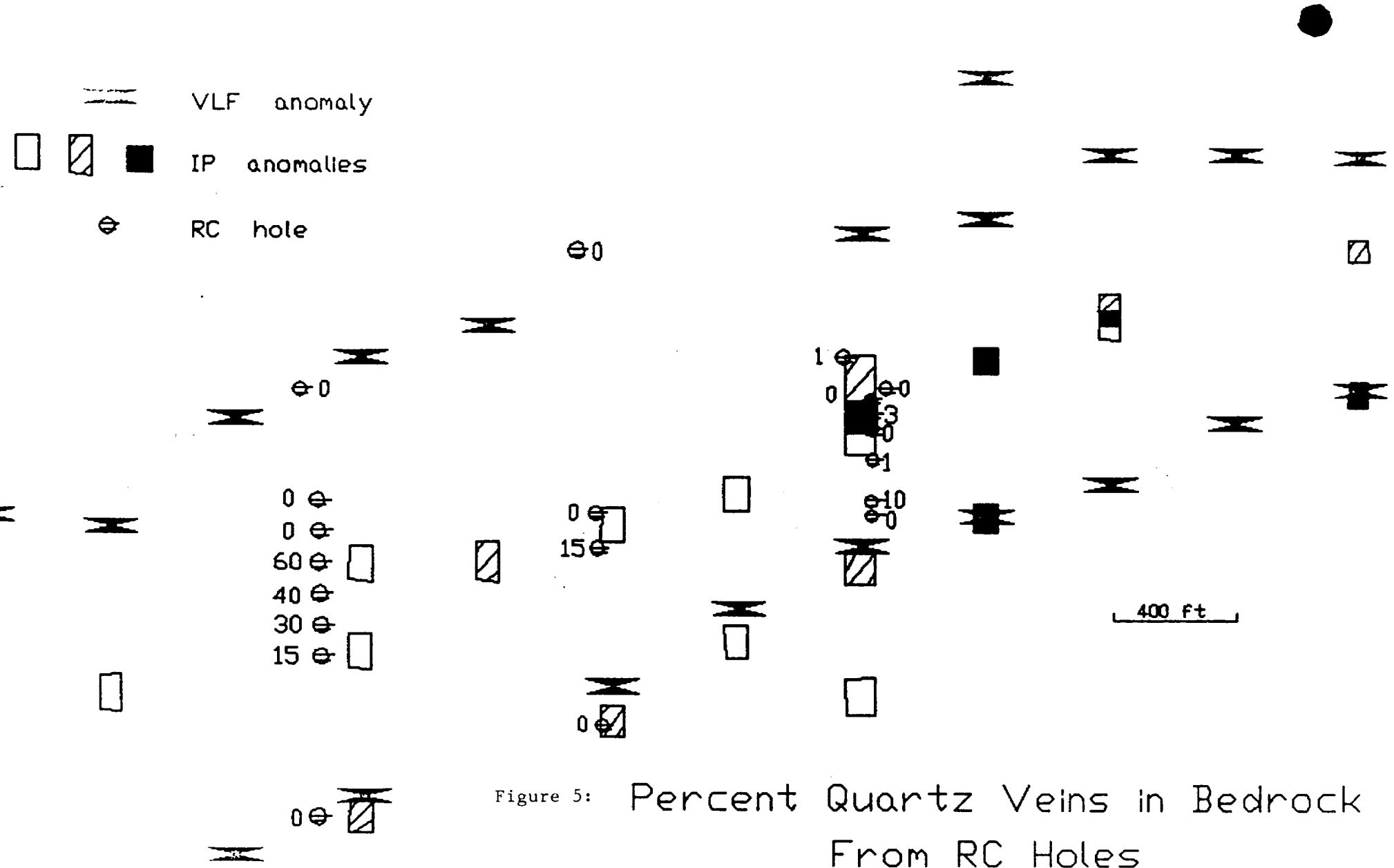
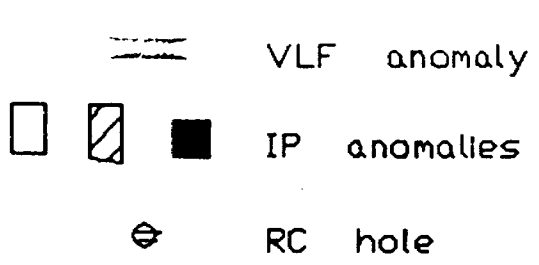





Figure 5: Percent Quartz Veins in Bedrock From RC Holes

-  VLF anomaly
-  IP anomalies
-  RC Hole

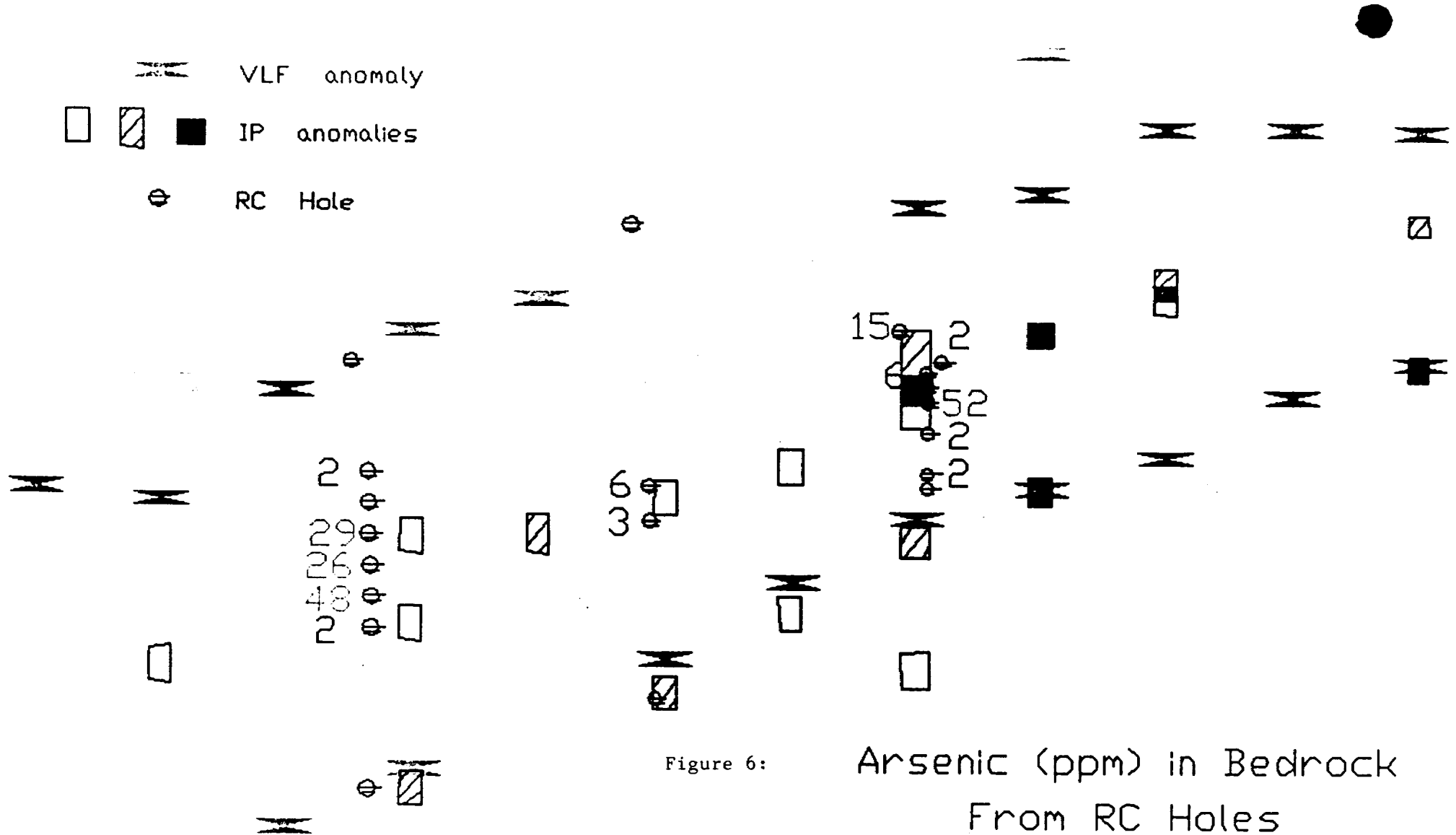


Figure 6:

Arsenic (ppm) in Bedrock
From RC Holes

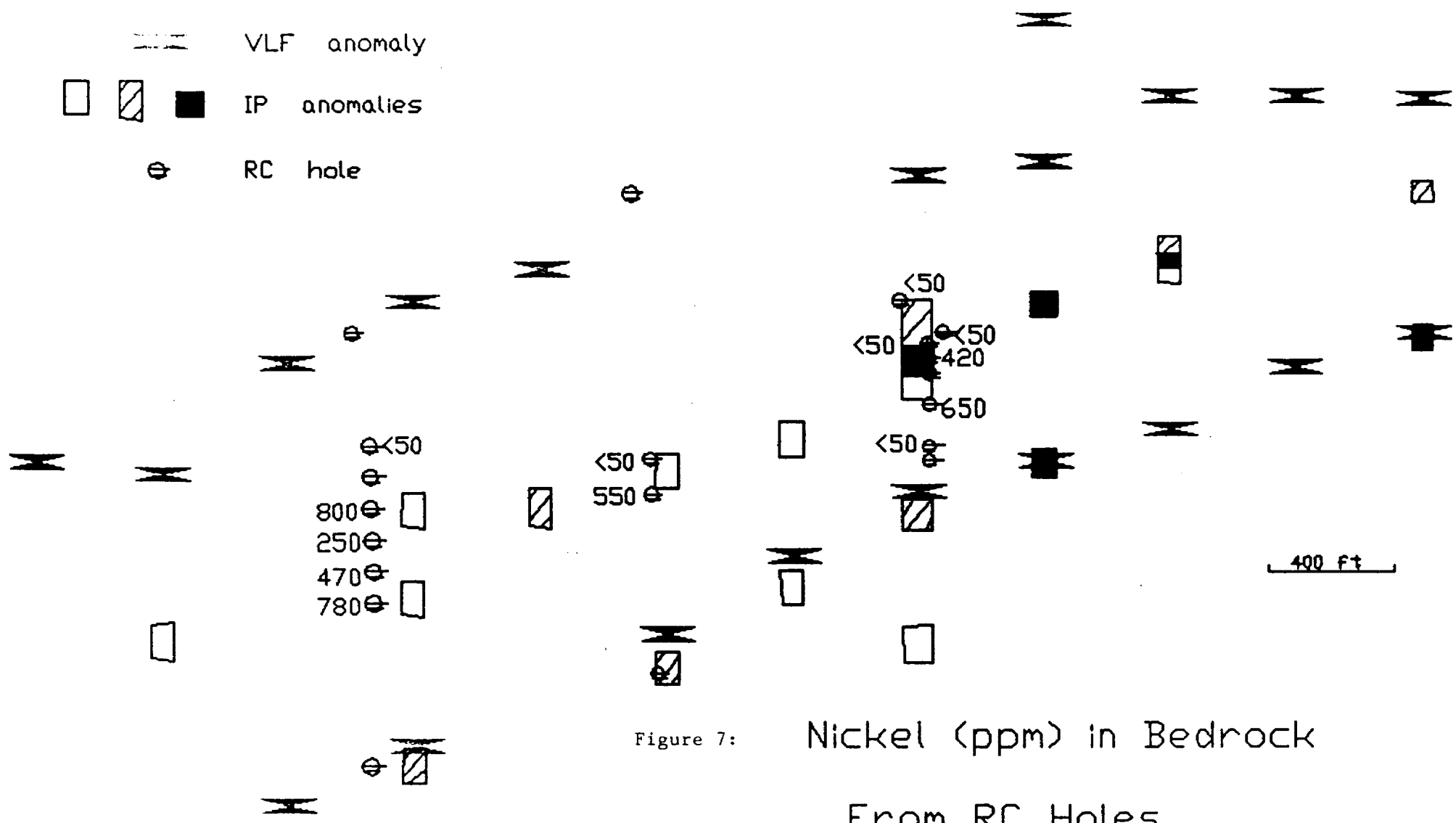


Figure 7:

Nickel (ppm) in Bedrock

From RC Holes

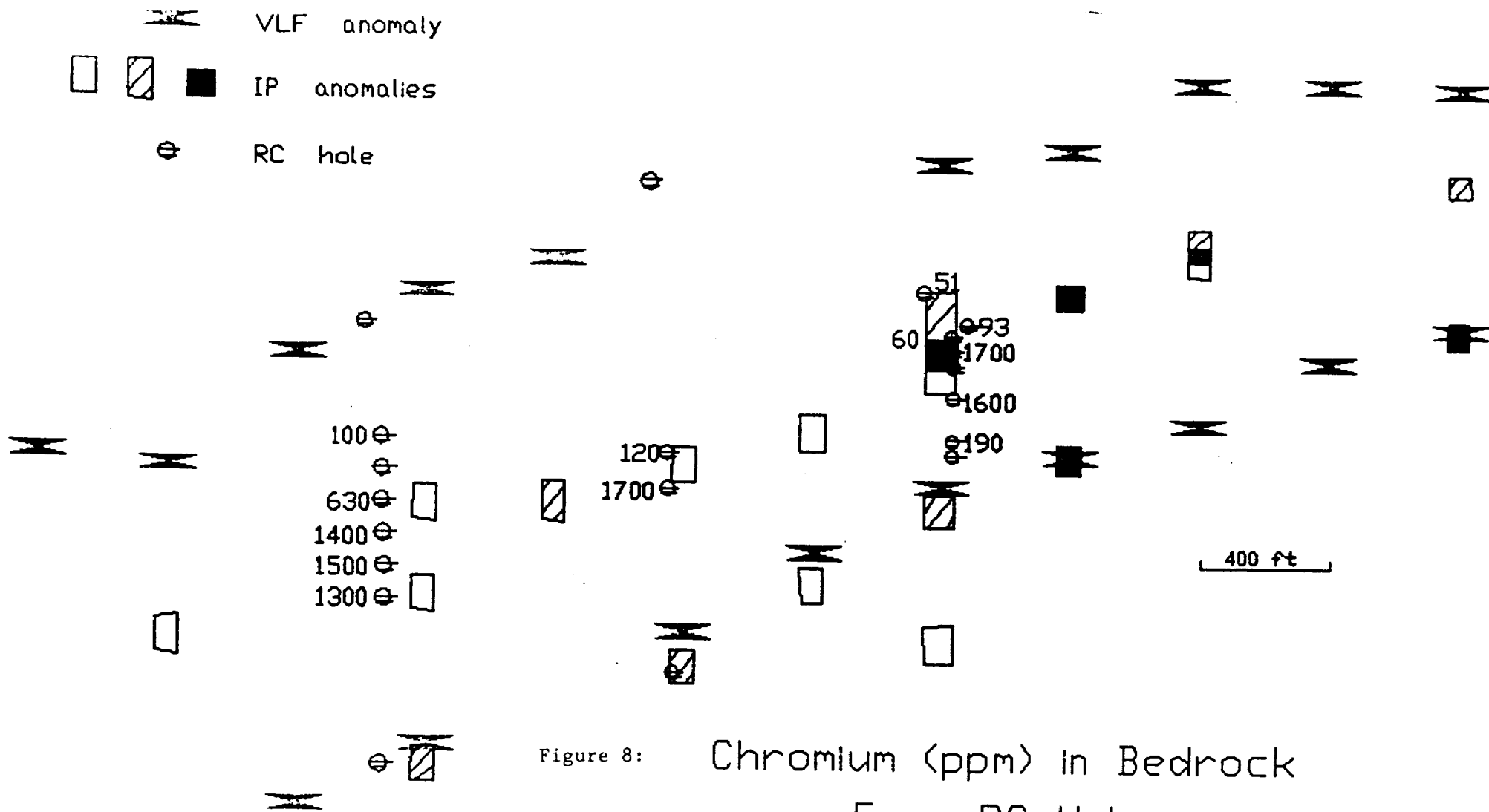


Figure 8: Chromium (ppm) in Bedrock From RC Holes

Discussion of Results

Although only low gold values were encountered in the bedrock samples obtained from the RC drilling, the delineation of the westward extension of a wide zone (up to 150 ft) of quartz vein material coincident with an arsenic anomaly indicates some potential for the discovery of higher gold values in that zone. It should be noted that the sampling profiles are at 800 ft intervals along strike and the sample sites across strike are 100 feet apart and incomplete.

Although the host rocks for the vein stockworks is a silicified, felsic tuff(?), the zone is enriched in Ni and Cr. This would indicate that these elements were introduced into the vein zone during hydrothermal alteration and mineralization.

Conclusions

The zone of quartz veins, known as the No. 2, has now been traced by RC drilling up to 2000 feet west of the outcrop exposure. This zone is bordered by sheared sericitic schist which are the cause of the linear IP anomalies, whereas the zone itself is not conductive. The best potential appear to lies along this zone, particularly where high arsenic values are found. The zone is also marked by a high nickel and chromium anomaly.

May 16, 1990
Odessa, Ontario

WOKarvinen

William O. Karvinen

Qual # 3962

References

Durham, R. B. 1986:

Report on the Termex Resources Inc. Cripple Creek Gold Prospect, Denton Township, Ontario Dec. 1986 10p.

Karvinen, W. O. 1986:

Geologic Summary and Exploration Proposal, Cripple Creek Gold Property, Timmins Area June 1986 8p.

Karvinen, W. O. 1987:

Report on Magnetic Survey, Cripple Creek Gold Property Dec. 1987

Karvinen, W.O. 1987:

Report on Bedrock Geology of the Cripple Creek Property, Denton Township, Ontario Dec. 1987 7p.

Karvinen, W. O. 1988:

Till Sampling by Percussion Drill, Cripple Creek Gold Property, Denton Township April 1988 5p.

Karvinen, W. O. 1988:

Report on a VLF Survey of the Cripple Creek Property, Denton Township June 1988 6p.

Karvinen, W. O. 1988:

Report on Surface Sampling, Cripple Creek Gold Property, Denton Township. August 1988

Karvinen, W. O. 1990:

Report on IP Survey, Cripple Creek Gold Property, Denton Township March 1990

C E R T I F I C A T E

I, William O. Karvinen, geologist and president of W. O. Karvinen & Associates Ltd. of RR 3, Odessa, Ont., do declare that:

the information contained in this report is based on personal observations and field work and on reliable published and unpublished reports;

through an option agreement with TME Resources Inc., I have a 2.5% net smelter return interest in the Cripple Creek Property and I own shares of TME;

I received a Doctorate of Philosophy in Geology (Ph.D.) and a Bachelor of Science (B.Sc.) from Queen's University in Kingston in 1974 and 1968 respectively and a Master of Science (M.Sc.) in Geology from the University of British Columbia in 1970;

I have been a fellow of the Geological Association of Canada since 1970;

I have been actively engaged in my profession for over 20 years and have been carrying out consulting and exploration in Canada, the USA and Europe since 1978.



RR 3 Odessa, Ont.
May 16, 1990

William O. Karvinen

A P P E N D I X



ACTIVATION LABORATORIES LTD

Invoice No.: 1655
 Work Order: 1642
 Invoice Date: 09-APR-90
 Date Submitted: 22-MAR-90
 Your Reference: LETTER
 Account Number: W005

W.O. KARVINEN & ASSOCIATES LTD.
 32 LAKELAND POINT DRIVE
 KINGSTON, ONTARIO
 K7M 4E7

ATTN: WILLIAM O. KARVINEN

CERTIFICATE OF ANALYSIS

INAA package, elements and detection limits:

AU	5.	PPB	AG	5.	PPM	AS	2.	PPM	BA	100.	PPM
BR	1.	PPM	CA	1.	%	CO	5.	PPM	CR	10.	PPM
CS	2.	PPM	FE	0.02	%	HF	1.	PPM	HG	1.	PPM
IR	5.	PPB	MO	5.	PPM	NA	500.	PPM	NI	50.	PPM
RB	30.	PPM	SB	0.2	PPM	SC	0.1	PPM	SE	5.	PPM
SN	0.01	%	SR	0.05	%	TA	1.	PPM	TH	0.5	PPM
U	0.5	PPM	W	4.	PPM	ZN	50.	PPM	LA	1.	PPM
CE	3.	PPM	ND	5.	PPM	SM	0.1	PPM	EU	0.2	PPM
TB	0.5	PPM	YB	0.05	PPM	LU	0.05	PPM			

CERTIFIED BY :

ROBERTA BALASINK for DR. ERIC L. HOFFMAN

Sample description	AU PPB	AG PPM	AS PPM	BA PPM	BR PPM	CA %	CO PPM	CR PPM	CS PPM	FE %	HF PPM	HG PPM	IR PPB	MO PPM	NA PPM	NI PPM	RB PPM	SB PPM	SC PPM	SE PPM	%
CC-3	<5	<5	6	300	<1	2	11	120	<2	2.62	4	<1	<5	<5	25500	<50	<30	<0.2	7.1	<5	<0.02
CC-4	<5	<5	3	150	<1	7	76	1700	<2	6.96	<1	<1	<5	<5	506	550	<30	0.5	23	<5	<0.01
CC-5	<5	<5	6	290	<1	4	7	60	<2	2.04	3	<1	<5	<5	22100	<50	<30	<0.2	4.6	<5	<0.01
CC-7	5	<5	52	<100	<1	5	66	1700	<2	6.71	<1	<1	<5	<5	<500	420	<30	<0.2	24	<5	<0.01
CC-9	7	<5	<2	<100	<1	4	66	1600	<2	5.77	<1	<1	<5	<5	<500	650	<30	<0.2	19	<5	<0.01
CC-10	5	<5	2	510	<1	5	15	190	3	2.89	3	<1	<5	<5	24600	<50	<30	<0.2	12	<5	<0.02
CC-12	5	<5	<2	250	<1	3	11	93	3	2.67	4	<1	<5	<5	9600	<50	<30	<0.2	8.8	<5	<0.01
CC-13	<5	<5	15	270	<1	3	8	51	<2	2.20	5	<1	<5	<5	16200	<50	41	<0.2	6.5	<5	<0.01
CC-14	<5	<5	29	<100	<1	6	57	630	<2	3.89	<1	<1	<5	<5	<500	800	<30	0.2	8.5	<5	<0.01
CC-15	9	<5	26	150	<1	6	50	1400	<2	6.09	<1	<1	<5	<5	3590	250	<30	<0.2	23	<5	<0.01
CC-16	<5	<5	48	<100	<1	6	59	1500	<2	6.27	1	<1	<5	<5	5910	470	<30	<0.2	22	<5	<0.01
CC-17	<5	<5	<2	<100	<1	7	64	1300	<2	6.21	<1	<1	<5	<5	<500	700	<30	0.3	18	<5	<0.01
CC-20	<5	<5	<2	370	<1	4	9	100	<2	2.78	5	<1	<5	<5	17700	<50	<30	<0.2	7.8	<5	<0.01

Sample description	SR %	TA PPM	TH PPM	U PPM	W PPM	ZN PPM	LA PPM	CE PPM	NO PPM	SM PPM	EU PPM	TB PPM	YB PPM	LU PPM
CC-3	<0.05	<1	3.0	<0.5	<4	130	18	31	13	2.8	0.8	<0.5	1.55	0.26
CC-4	<0.05	<1	<0.5	<0.5	<4	82	<1	<3	<5	0.9	0.3	<0.5	1.13	0.17
CC-6	<0.05	<1	1.9	<0.5	<4	<50	12	22	8	2.0	0.6	<0.5	0.63	0.11
CC-7	<0.05	<1	<0.5	<0.5	<4	79	1	4	<5	0.7	0.3	<0.5	0.84	0.16
CC-9	<0.05	<1	<0.5	<0.5	<4	61	<1	<3	<5	0.6	0.3	<0.5	0.77	0.14
CC-10	<0.05	<1	2.6	<0.5	<4	<50	18	32	16	3.8	1.1	<0.5	0.91	0.13
CC-12	<0.05	<1	3.5	<0.5	<4	<50	19	35	17	3.1	0.7	0.8	1.53	0.26
CC-13	<0.05	<1	3.1	1.8	<4	<50	18	32	14	3.0	0.8	<0.5	1.55	0.24
CC-14	<0.05	<1	<0.5	<0.5	<4	<50	<1	<3	<5	0.3	0.2	<0.5	0.25	0.07
CC-15	<0.05	<1	<0.5	<0.5	<4	77	<1	4	<5	0.7	0.3	<0.5	0.86	0.15
CC-16	<0.05	<1	0.6	<0.5	<4	59	2	5	<5	0.8	0.3	<0.5	0.90	0.19
CC-17	<0.05	<1	<0.5	<0.5	<4	96	1	<3	<5	0.6	0.4	<0.5	0.66	0.11
CC-20	<0.05	<1	3.1	<0.5	<4	<50	18	31	17	2.8	1.0	<0.5	1.49	0.21



(Geophysical, Geological,
Geochemical and Expenditures)

W 9006-60396

If number of mining claims traversed
exceeds space on this form, attach a list.
Note: - Only days credits calculated in the
traversed
mines.



42A055E0103 2.13317 DENTON

900

Type of Survey(s) Reverse-circulation drilling

Claim Holder(s) William O. Karvinen

Address 4356 Unity Rd., RR 3, Odessa, Ont. KOH 2H0

Survey Company W. O. Karvinen & Associates Ltd.

Name and Address of Author (of Geog. Technical report) William O. Karvinen, RR 3 Odessa, Ont. KOH 2H0

Date of Survey (from & to) 16 02 90 | 21 02 90
Mo. | Yr. | Day | Mo. | Yr.

Total Miles of line Cut 6.3 386 75 3

Credits Requested per Each Claim in Columns at right

Special Provisions	Geophysical	Days per Claim
For first survey Enter 40 days (This includes line cutting)	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
For each additional survey: using the same grid Enter 20 days (for each)	Geological	
	Geochemical	
	Geophysical	
	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
	Geochemical	
Airborne Credits	Electromagnetic	Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	Magnetometer	
	Radiometric	

Mining Claims Traversed (List in numerical sequence)

Prefix	Mining Claim Number	Expend. Days Cr.	Prefix	Mining Claim Number	Expend. Days Cr.
P	865396	29.9			
	865397	29.9			
	865398	29.9			
	865399	29.9			
	865400	29.9			
	865401	29.9			
	865402	29.9			
	865403	29.9			
	930957	29.9			
	930958	29.9			
	930959	29.9			

note: this brings up to max. of 60 days under this expenditure

WOK

Expenditures (excludes power stripping)

Type of Work Performed bedrock sampling with RC drill

Performed on Claim(s) P865396, P865397, P865398, P865403, P930957, P930958

Calculation of Expenditure Days Credits

Total Expenditures \$ 9272.73 ÷ 15 = Total Days Credits 618.2

Instructions: Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

Date March 31, 1990

Recorded Holder or Agent (Signature) [Signature]

RECORDED

APR - 9 1990

APR 9 1990

For Office Use Only

Total Days Cr. Recorded 328.9

Date Recorded APR 19 1990

Date Approved or Recorded 4 July 90

Mining Recorder [Signature]

u. Mining Recorder [Signature]

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work...

W. O. KARVINEN & Associates Ltd.
general exploration • consulting • mining land assessment

4356 Unity Rd., R.R. 3, ODESSA, ONT. CANADA K0H 2H0

tel. 613-386-7545

RECEIVED

JUN 27 1990

MINING LANDS SECTION

June 19, 1990

Mining Lands Section,
Min. of Northern Development & Mines,
3rd Floor, 880 Bay St.,
Toronto

Re: your File No. 2.13317

Mr. Stolicker,

Enclosed are copies of the invoice and confirmation of payment for assessment work in Denton Township by Esperanto Resources Ltd. I hope these copies are sufficient.

Best Regards,



William O. Karvinen

PHONE 705-567-9311
FAX 705-567-3014
TELEX 067-82510

HEATH & SHERWOOD DRILLING (1986) INC.

FORAGE HEATH & SHERWOOD (1986) INC.

P.O. BOX 998
34 DUNCAN AVE. NORTH
KIRKLAND LAKE, ONTARIO, CANADA
P2N 3L3

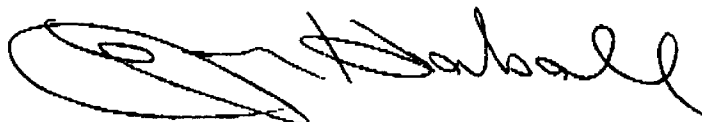
June 18, 1990

To Whom It May Concern:

This will confirm that Heath & Sherwood Drilling (1986) Inc., received from Esperanto Resources Ltd., \$9,972.73 as payment in full for our invoice number 2391 dated February 20, 1990.

Regards,

HEATH & SHERWOOD DRILLING (1986) INC.



**John Halsall
Secretary/Treasurer**

JH/sf

INVOICE - FACTURE

PHONE 705-567-9311
FAX 705-567-3014



HEATH & SHERWOOD DRILLING (1986) INC.

FORAGE HEATH & SHERWOOD (1986) INC.

P.O. BOX 998
34 DUNCAN AVE. NORTH
KIRKLAND LAKE, ONTARIO, CANADA
P2N 3L3

TO: Esperanto Resources Ltd.
c/o W.O. Karvinen & Associates Ltd.
4356 Unity Road, R.R. #1
Odissa, Ontario
KOH 2H0

2391

DATE: February 20, 1990

D.O.NO. 3061

TERMS: NET 30 DAYS OR AS PER CONTRACT. February 16th - 20th, 1990

Reverse Circulation Rotary Drilling On The
Denton Township Property On Highway 101
West of Timmins, Ontario

Mobilization And Demobilization

LUMP SUM Of			\$1,000.00	
Move In: Feb. 16th	1.75 Rig Hours	\$	163.00	285.25
Move Out: Feb. 20th	2 Rig Hours		163.00	<u>326.00</u>
				\$1,611.25

Drilling And Related Operations

	<u>Drilling</u>	<u>Moving</u>		
Feb. 17th	4			
18th	9.75	1		
19th	9	2.5		
	<u>22.75</u>	<u>3.5</u>		

Drilling	22.75 Rig Hours	182.00	4,140.50	
Moving	3.5 Rig Hours	182.00	<u>637.00</u>	4,777.50

Excess Travel

Feb. 16th	.5 Hours			
17th	.75 Hours			
18th	.75 Hours			
19th	.5 Hours	2.5 Hours x 3 Men = 7.5 Man Hours	25.00	187.50

GT-1000 Tracked Carrier (Min. 5 Hrs./Day)

Feb. 17th to 19th incl. = 3 Days x 5 Hours Per Day				
	15 Hours	29.00		435.00

Materials

2 Only	R.C. Carbide Button Bits			
	Nos. 70348 & 70349	\$630.00	1,260.00	
1 Only	Skirted Bit Sub		<u>314.00</u>	1,574.00
	Plus 10%			<u>157.40</u>
				1,731.40

Subcontract Charges

Kenogami Garage - Inv. 1472		335.00		
Alarie & Sons Ltd. - Inv. T90-02-33		<u>783.25</u>	1,118.25	
Plus 10%			<u>111.83</u>	<u>1,230.08</u>

\$9,972.73

W. O. KARVINEN & Associates Ltd.
mineral exploration • consulting • mining land assessment

4356 Unity Rd., R.R. 3, ODESSA, ONT. CANADA K0H 2H0

tel. 613-386-7545

RECEIVED

MAY 23 1990

MINING LANDS SECTION

2.13317

May 16, 1990

Mining Lands Section,
Min. of Northern Development & Mines,
880 Bay St.,
3rd Floor,
Toronto M5S 1Z8

Re: Claims P865396 - 865403 and P930957 - 930959

The enclosed are technical reports on RC drilling done on the above claims, of which a work report was submitted to the Mining Recorder in Timmins on March 31, 1990 (see copy).

Hope this is in good order. Please inform when you receive these reports. Thanks.

Best Regards,

W. O. Karvinen

William O. Karvinen

2.13317

REFERENCES

AREAS WITHDRAWN FROM DISPOSITION

- M.R.O. - MINING RIGHTS ONLY
- S.R.O. - SURFACE RIGHTS ONLY
- M.+S. - MINING AND SURFACE RIGHTS

Description	Order No.	Date	Disposition	File
ALL 43/70		FEB 3/66	M.+S.	171506
BARNA AND JOWSEY PARK RESERVE		NOV 18/83	S.R.O.	
RESERVED FOR PUBLIC USE			S.R.O.	
M.R.W. 92/84			S.R.O.	

APPROXIMATION FOR CROWN LAND.

SAND AND GRAVEL

M.T.C.	PIT 1417	FILE	126351
M.T.C.	PIT 1236	FILE	126351
M.T.C.	PIT 1470		
M.T.C.	PIT 1831		

NOTES
THIS TOWNSHIP LIES WITHIN THE MUNICIPALITY OF THE CITY OF TIMMINS.

IMPORTANT NOTICE

THIS TOWNSHIP FORMS PART OF THE WAFERBOARD FOREST MANAGEMENT AGREEMENT.

THE 1985/86 ANNUAL PLAN, ON FILE IN THE MINING RECORDER'S OFFICE, SHOWS THE AREAS TO BE AFFECTED IN THE NEXT YEAR.

IF THIS PLAN AFFECTS YOU, FURTHER INFORMATION MAY BE OBTAINED FROM:

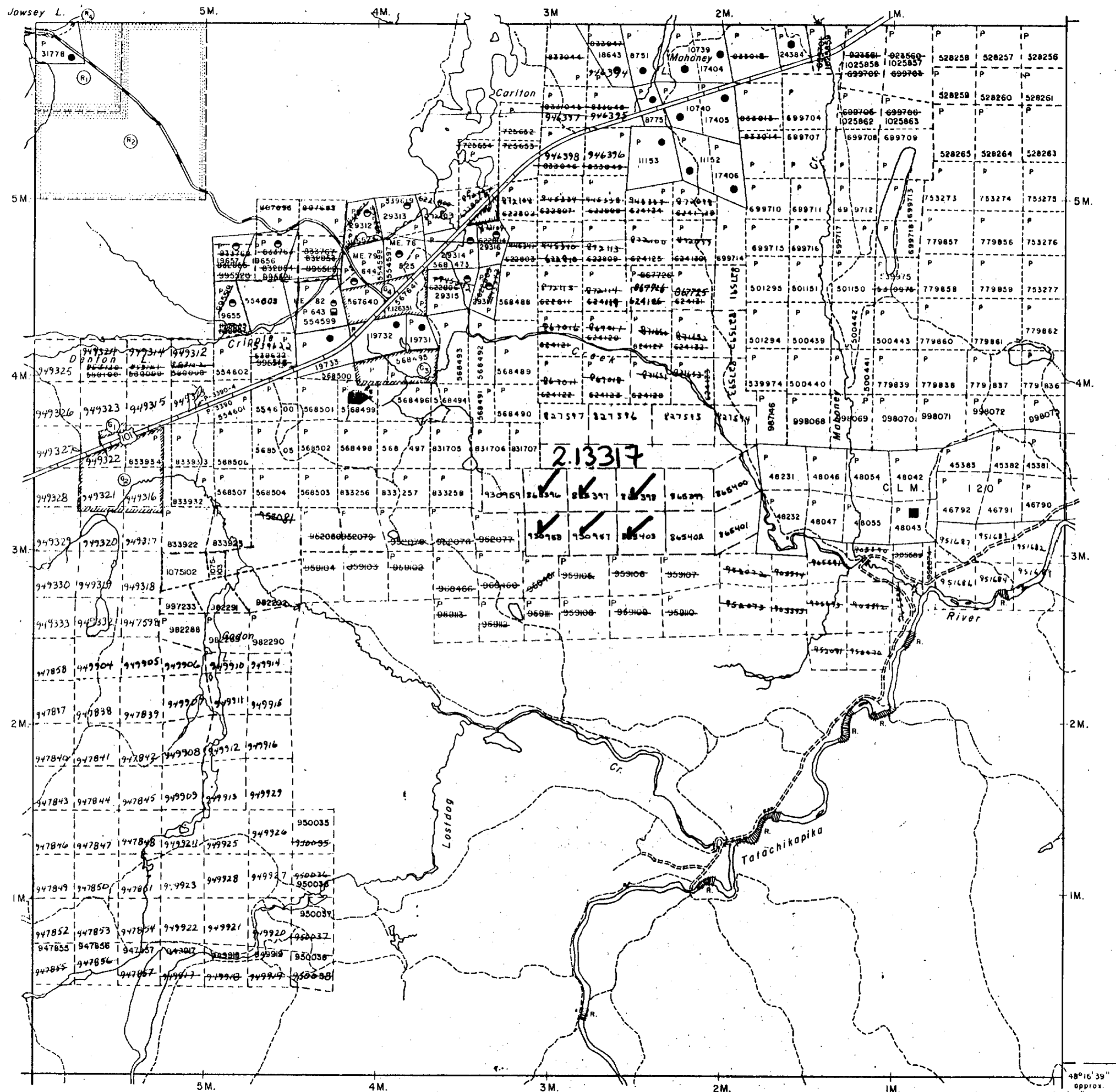
MR. MALCOLM KILGOUR,
UNIT FORESTER,
MINISTRY OF NATURAL RESOURCES,
896 Riverside Drive,
Timmins, Ontario

Tel: 705-267-7951

OR

Mr. Pierre Corbail,
Wafarboard Group
Tel: 705-268-1462

CARSCALLEN TWP.



REYNOLDS TWP.

LEGEND

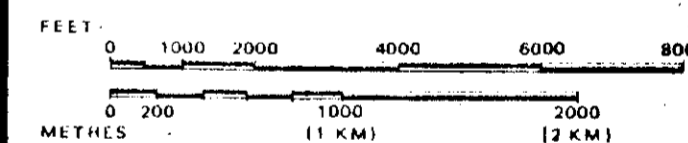
- HIGHWAY AND ROUTE No.
- OTHER ROADS
- TRAILS
- SURVEYED LINES:
 - TOWNSHIPS, BASE LINES, ETC.
 - LOTS, MINING CLAIMS, PARCELS, ETC.
- UNSURVEYED LINES:
 - LOT LINES
 - PARCEL BOUNDARY
 - MINING CLAIMS ETC.
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON-PERENNIAL STREAM
- FLOODING OR FLOODING RIGHTS
- SUBDIVISION OR COMPOSITE PLAN
- RESERVATIONS
- ORIGINAL SHORELINE
- MARSH OR MUSKEG
- MINES
- TRAVERSE MONUMENT

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
" SURFACE RIGHTS ONLY	○
" MINING RIGHTS ONLY	◐
LEASE, SURFACE & MINING RIGHTS	■
" SURFACE RIGHTS ONLY	◼
" MINING RIGHTS ONLY	◑
LICENCE OF OCCUPATION	▼
ORDER-IN-COUNCIL	OC
RESERVATION	⊙
CANCELLED	⊗
SAND & GRAVEL	⊙

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6, 1913, VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 360, SEC. 63, SUBSEC. 1.

SCALE: 1 INCH = 40 CHAINS



TOWNSHIP
DENTON
M.N.R. ADMINISTRATIVE DISTRICT
TIMMINS
MINING DIVISION
PORCUPINE
LAND TITLES / REGISTRY DIVISION
COCHRANE

Ministry of Natural Resources
Land Management Branch

Date MARCH, 1985

Number

G-3224



42A855E103 2.13317 DENTON

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RECEIVED
MAY 22 1985

MCKEOWN TWP.