Kian A. Jensen
Exploration and Consulting Services

010

October 29, 1989

Mr. Louis Pouliot
c/o Mr. Gaetan Lavallee,
Roseval Silica Incorporated,
150 de brullon,
Boucherville, Quebec,
J4B 2J2

Re: Report on the Geophysical Testing and Proposed Program

Dear Mr. Pouliot:

I completed the geophysical testing on the various sites on the Roseval Silica property on October 25 and 26, 1989.

Firstly, during my surveying, I was able to locate several of the diamond drill holes that I logged from September 29 to October 2, 1989. As you are aware, some of the critical information was missing and I am enclosing a list below of some of this information I collected in the field.

RS-89-03	Collar	-45 degree	
RS-89-04	Collar	-50 degree	Bearing N 153 E
RS-89-05	Collar	-45 degree	Bearing N 145 E approximate 161° MEASURED
RS-89-06	Collar	-45 degree	Bearing N 140 E
RS-89-07	Collar	-45 degree	Bearing N 140 E
RS-89-08	Collar	-45 degree	Bearing N 135 E approximate

I have plotted the Total Field Magnetic, Vertical Gradient Magnetic (V.G.), and the VLF-EM surveys in profile form and where applicable, with the diamond drill hole beneath. To assist the location of the contacts in the V.G. survey, I have amplified the readings by the difference in the reading height.

Figure 1: South End - Site 2
The total field magnetic survey indicates the presence of the contact with the quartz and the mafic metavolcanic with a magnetic change of approximately 45 gammas and a V.G. of 55 gammas. It is difficult in either survey to identify the granite and quartz contact. Due to the fill of material at both ends of the traverse, the data is of questionable value.

During the survey, 2, N 053 E faults were located in the quartz outcrop at the end of the Pit. This may be useful in explaining a possible displacement of the quartz vein.

Figure 2: Main Haulage Ramp - Site 3:
The total field survey indicates the contact of the metavolcanics and the quartz vein about 65 feet from the beginning of the ramp. Also, the V.G. survey indicates that 65 feet from the start of the ramp to about 50 feet from the face is barren quartz vein. However, the total field does indicate the presence of quartz to the face and possible further into the footwall.

Figure 3: RS-89-04 - Site 2A
The total field magnetic survey and the vertical gradient survey indicates both contacts with the quartz with 60 to 80 gamma anomaly in the total field and a maximum 20 to 30 gamma anomaly with the V.G.. It appears that an anomaly may be present in the vicinity of the current claim post at the end or southeast part of the traverse. The total field confirms the direction of dip on the quartz vein being approximately 70 degrees to the northwest.

Figure 4: RS-89-05 - Site 2A
The VLF-EM survey did not locate either contacts. Surveys were not conducted on the other drill holes as the would indicate anomalies not due to the quartz vein but to the sulphide mineralization in the sericitic metavolcanics and the shearing and/or fault zone.

Both contacts were located in the total field and the V.G. surveys. The total field indicates possible two zones, the northerly one larger and thicker and the southerly one. The rise in the total field is due to the silicification and alteration of the metavolcanic at the southeast end of the traverse. The northwest end of the traverse indicates the presence of altered metavolcanic with the true granite contact near the collar of the drill hole or slightly to the northwest.

Figure 5: RS-89-08 - Site 3
The profile and the drill hole section is slightly off due to the miss leading information on the bearing of the drill hole.

The VLF-EM survey indicates the possible volcanic contact on the southeast part of the traverse, but is difficult to locate the northwest contact.

The total field survey indicated the presence of a narrow diabase dike near the contact of the northwest vein system separated by approximately 60 feet of mafic metavolcanics. This veining is approximately 30 feet wide. The main quartz vein located to the southeast and is presently being mined is approximately 70 feet wide.

This was a poor test location as the northwest part of the traverse was filled with overburden to construct the road and the southeast portion was covered by the quartz dump and fill for the road. However, technically, the profiles were successful in locating the quartz but also providing additional information on the survey requirements and conditions.

Conclusions:

The conclusions drawn from the surveying of the various sites are as follows:

1) The VLF-EM surveys are not useful for the location and delineation of either contacts of the quartz vein systems. However, it would be a useful survey in locating the complex structure affecting the zones and sulphide mineralization which may be gold bearing or useful as a marker horizon within the metavolcanics.

2) The total field magnetic survey and the vertical gradient survey are inter-related and both would be required to locate the contacts in both types of quartz vein environments.

3) The amplitude of the anomalies are very small and the varying the senor height helps a small degree. The 8 / 4 foot height assist in eliminating near surface background magnetic noise but decrease the anomaly of the quartz vein. The 6 / 3 foot height amplifies the quartz vein anomaly but also the background noise.

4) Due to the varying width of the quartz vein and the possibility of parallel to sub-parallel veining (ie: drill hole RS-89-08) and the horizontal mafic metavolcanics (ie: ramp area Site 3), the reading interval must not exceed 25 feet and in situations similar to Site 2A, an interval of 12.5 feet would be recommended.

5) Due to the topographic variation and the size and amplitude of the anomalies associated with the quartz veining, it is recommended that a cut grid be established.

This grid would allow for the accurate location of the traverses, and would provide a base map for the recommended detail mapping in the future. In mapping the area of the grid, not only is this outcrops important, but also, the topography and any quartz boulders.

Kian A. Jensen
Exploration and Consulting Services

Recommendations:

Based upon the author experience and the results from the geophysical testing, it is recommended that a line cutting grid be established with the base line parallel to the strike of the quartz veining. Grid lines be established no more than 200 feet apart and picked every 50 feet.

The total field and vertical gradient magnetic surveys be conducted with reading intervals no more than 25 feet and if possible 12.5 feet apart.

The geophysical surveys should be computerized and using a 10 gamma contour interval where possible.

All the available information such as the geological mapping of the property and the mapping of the stripping and trenching areas, the diamond drill holes, and the mining sites be compiled on a computer format. The geophysical surveys should also be included in this compilation.

A small area of the property would be surveyed being the volcanic lens within the granitic body.

I would conduct the surveying as outlined in my proposal of October 16, 1989, if you desire. However, the information would not meet the accuracy and the limitations obtained from the geophysical testing.

I am willing to conduct either the recommended surveys and/or the computer compilation as out lined above. If you accept my recommendation please contact me at your convenience and I will prepare a survey plan and a proposed budget on the amount of line cutting required, survey costs and compilation.

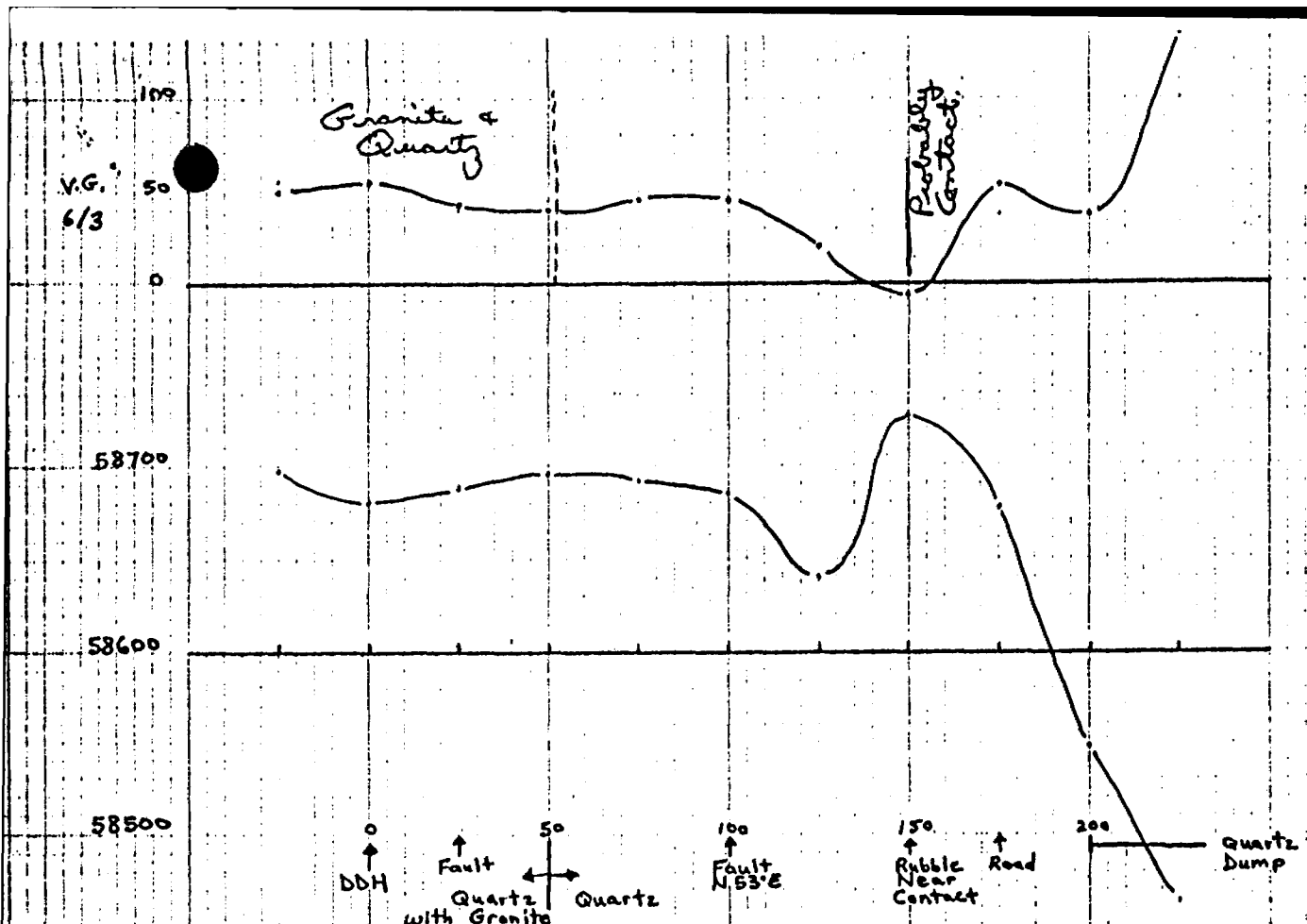
Yours truly,

Kian A. Jensen 2.3969

Kian A. Jensen
Consulting Geologist/Geophysicist

Robert G. Tomsalka

FIG 1



MAIN HAULAGE RAMP
SITE 3 N114°E Looking Northeast

Figure 2

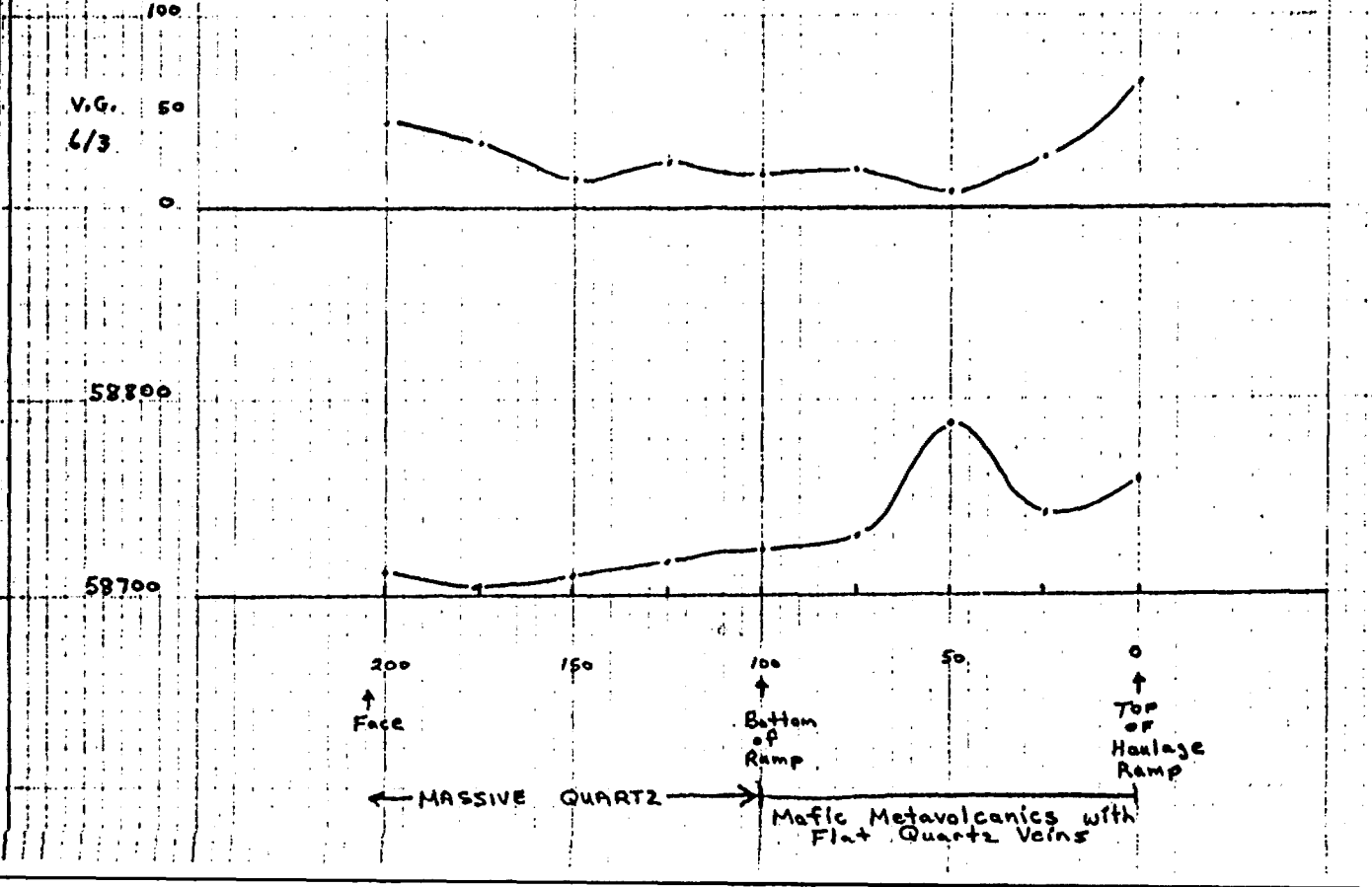


FIG 3

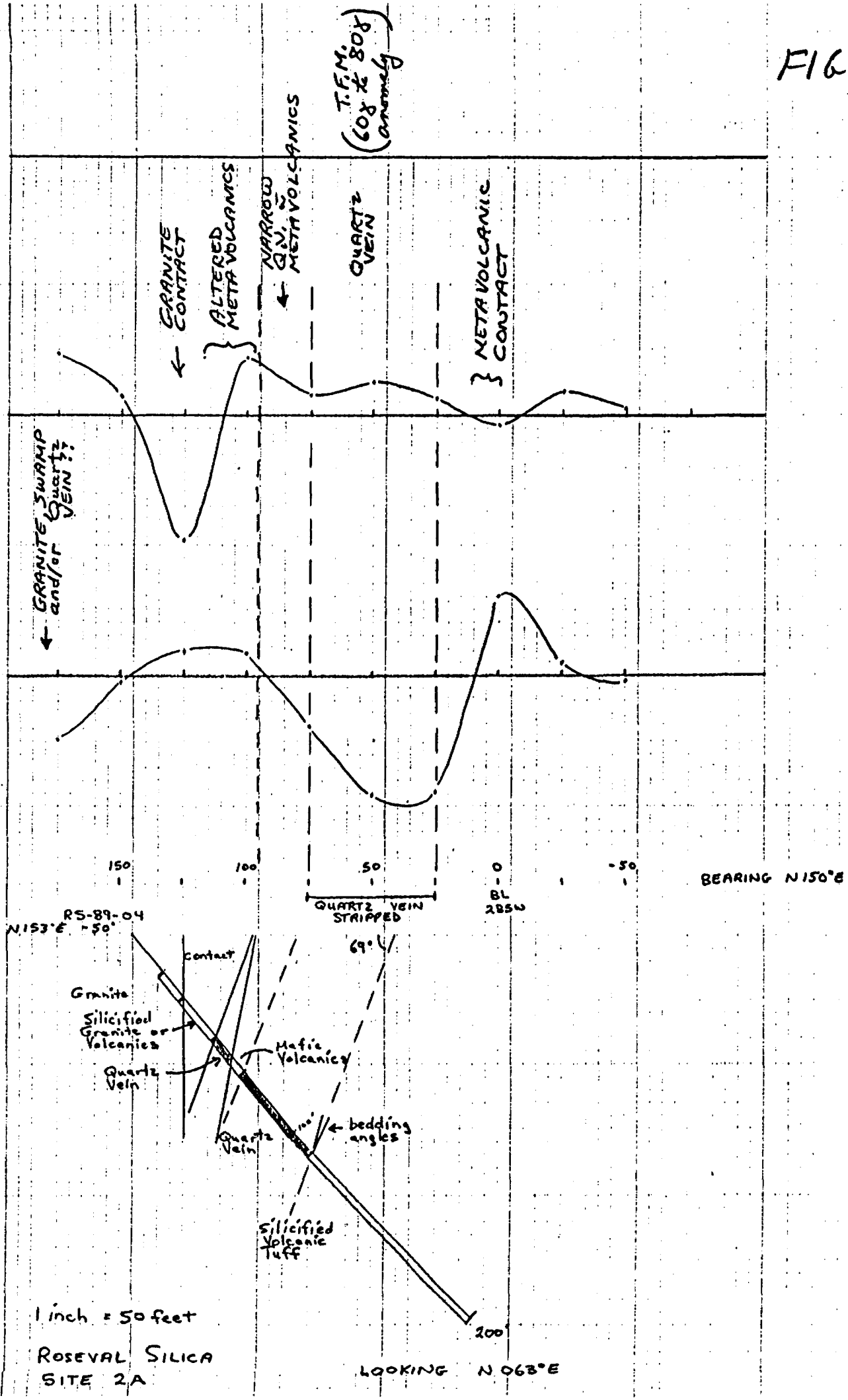
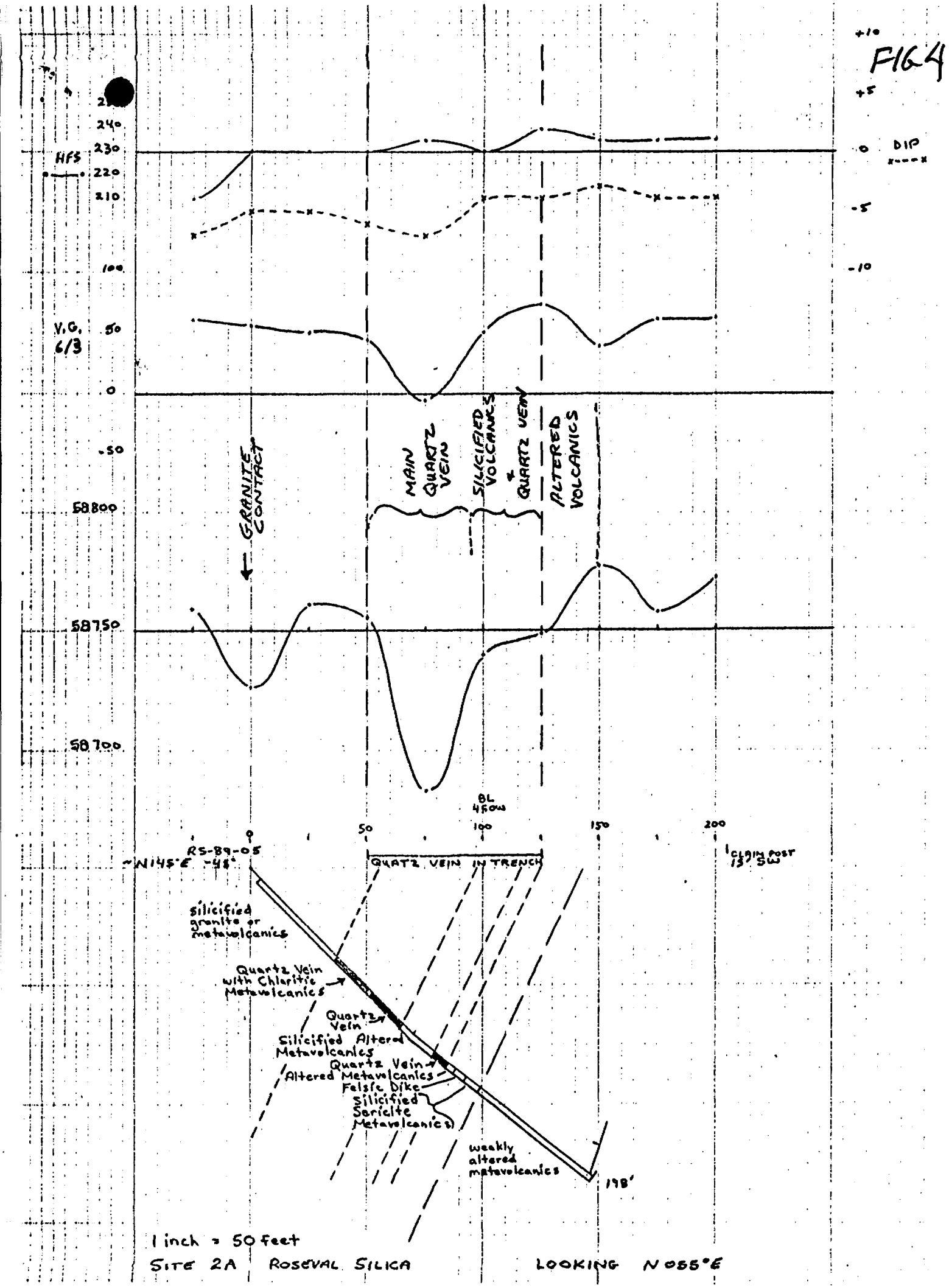

T.F.M. (60γ & 80γ anomaly)
GRANITE CONTACT
ALTERED META VOLCANICS
NARROW Q.V. IN META VOLCANICS
QUARTZ VEIN
META VOLCANIC CONTACT
V.G. C/3
100
50
0
GRANITE SWAMP and/or QUARTZ VEIN ??
58800
58750
58700
150
100
50
0
-50
BEARING N150°E
QUARTZ VEIN STRIPPED
BL 285W
RS-89-04
N153°E -50°
69° W
contact
Granite
Silicified Granite or Volcanics
Quartz Vein
Mafic Volcanics
Quartz Vein
bedding angles
Silicified Volcanic Tuff
200'
1 inch = 50 feet
ROSEVAL SILICA SITE 2A
LOOKING N 063°E

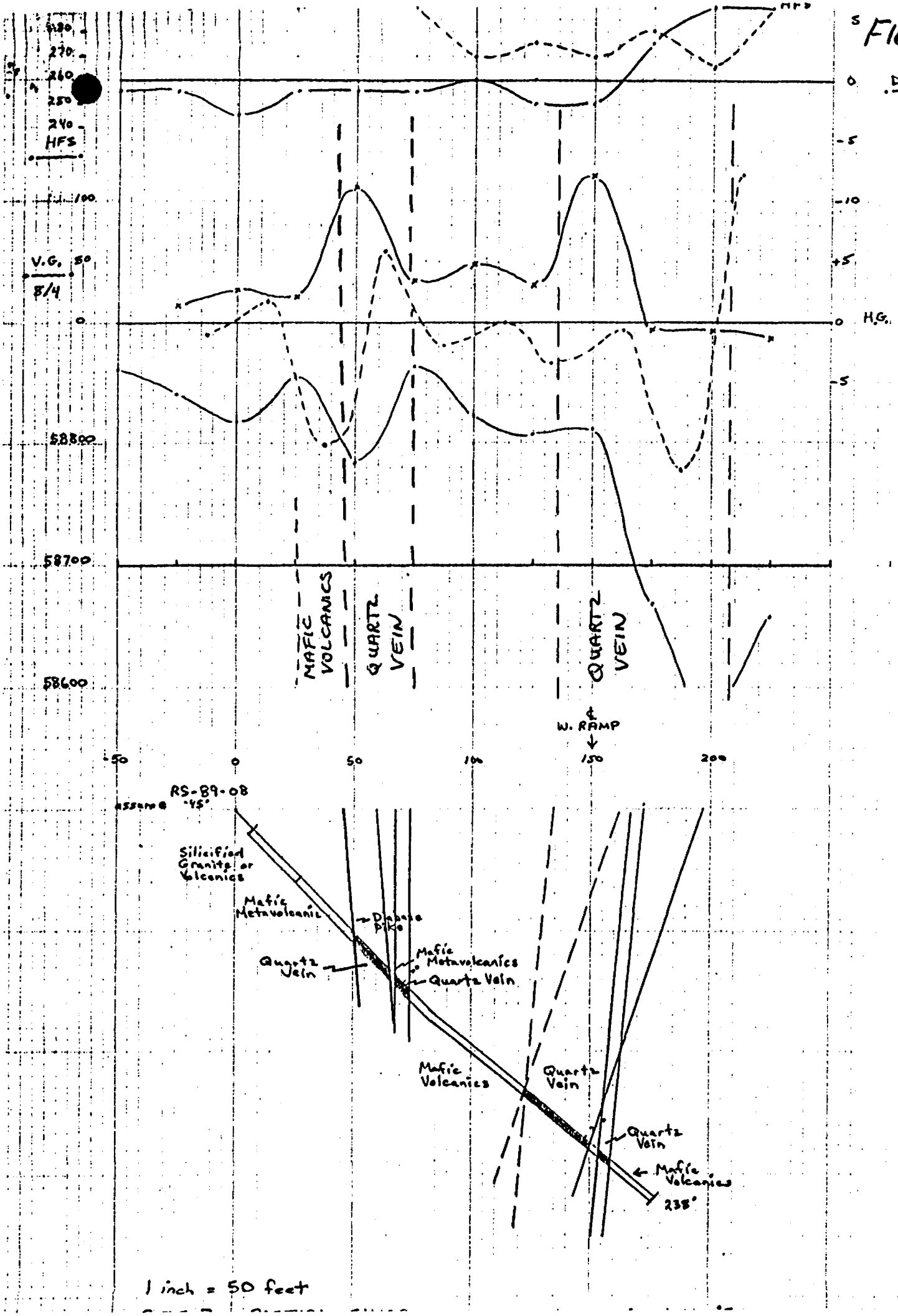
FIG 4



1 inch = 50 feet

SITE 2A ROSEVAL SILICA LOOKING N055°E

F165


DIP
H.G.
V.G.
HFS
MAFIC VOLCANICS
QUARTZ VEIN
QUARTZ VEIN
W. RAMP
RS-89-08
Silicified Granite or Volcanics
Mafic Metavolcanics
Diabase Dike
Quartz Vein
Mafic Metavolcanics
Quartz Vein
Mafic Volcanics
Quartz Vein
Quartz Vein
Mafic Volcanics
238'
1 inch = 50 feet

Ministry of Northern Development and Mines
Ontario

DOCUMENT No. W 9006·00011
2.1300

E / 97

42B01SE0008 2.13004 PENHORWOOD

900

Report of Work
Mining Act
(Expenditures, Subsection 77(19))

Type of Work Performed	Mining Division	Township or Area
CONSULTANTS REPORT	PORCUPINE	PENHORWOOD TWP

Recorded Holder	Prospector's Licence No.
ROSEVAL SILICA INC	T4950

Address	Telephone No.
150 de Bouillon Boucherville Quebec J4B 2J2	1-514-655-0157

Work Performed By
KIAN A JENSEN EXPLORATION AND CONSULTING SERVICES

Name and Address of Author (of Submission)	Date When Work was Performed From: Day / Mo. / Yr.	To: Day / Mo. / Yr.
Robert G. Komarechka Apt #1 396 ELA AVE, SUDBURY ONT. P3C 4N3	25 / 10 / 89	29 / 10 / 89

All the work was performed on Mining Claim(s): Indicate no. of days performed on each claim. *See Note No. 1 on reverse side

Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days
P994260	20										

RECEIVED
JAN 1 1990
MINING LANDS SECTION

Instructions
Total days credits may be distributed at claim holder's choice. Enter number of days credits per claim in the expenditure days credit column (below).

Calculation of Expenditure Days Credits
Total Expenditures $ 300.00 ÷ 15 = Total Days Credits 20

Total Number of Mining Claims Covered by this Report of Work 1

Mining Claims (List in numerical sequence). If space is insufficient, attach schedules with required information

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.	Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.	Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.	Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
P	994626	20									

RECORDED
JAN - 8 1990

ONTARIO GEOLOGICAL SURVEY
ASSESSMENT FILES
PRICE

Total Number of Days Performed	Total Number of Days Claimed	Total Number of Days to be Claimed at a Future Date
20	20	0

APR 23 1990

Certification of Beneficial Interest *See Note No. 2 on reverse side

I hereby certify that, at the time the work was performed, the claims covered in this report of work were recorded in the current recorded holder's name or held under a beneficial interest by the current recorded holder.

RECEIVED
JAN 3 1990

Recorded Holder or Agent (Signature) Robert G. Komarechka

Certification Verifying Report of Work

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 or witnessed same during and/or after its completion and the annexed report is true.

Name and Address of Person Certifying	Telephone No.	Date	Certified By (Signature)
Robert G. Komarechka Apt #1 396 ELA AVE SUDBURY ONTARIO P3C 4N3	(705)673 0873	JAN 3 1990	Robert G. Komarechka

For Office Use Only

Total Days Cr. Recorded	Date Recorded	Mining Recorder
20	JAN 8/90	D. White
	Date Approved as Recorded	Provincial Manager, Mining Lands
	5 April 90	

Received Stamp
PORCUPINE MINING DIVISION
RECEIVED
JAN 8 1990

RJS

Ministry of Northern Development and Mines

Ontario

DOCUMENT No. W 9006.015

2.13004

Feb. 2707

Mining Act

Report of Work (Expenditures, Subsection 77(19))

Instructions
- Please type or print.
- Refer to Subsection 77(19), the Mining Act for assessment work requirements and maximum credits allowed under this Subsection.
- Technical Reports, maps and proof of expenditures in duplicate should be submitted to Mining Lands Section, Mineral Development and Lands Branch.

Type of Work Performed	Mining Division	Township or Area
CONSULTANTS REPORT	PORCUPINE	PENHORWOOD TWP.

Recorded Holder	Prospector's Licence No.
La Societe de Gestion Maskours Inc	T5171
Address	**Telephone No.**
150 de Biallon Boucherville Quebec J4B 2J2	1-514-655-0157
Work Performed By	
KIAN A. JENSEN EXPLORATION AND CONSULTING SERVICES.	
Name and Address of Author (of Submission)	**Date When Work was Performed**
Robert G. Komarechka Apt #1 396 EVA AVE. SUDBURY ONTARIO P3C 4N3	From: 25 10 89 To: 29 10 89 (Day / Mo. / Yr.)

All the work was performed on Mining Claim(s): Indicate no. of days performed on each claim. *See Note No. 1 on reverse side

Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days
P 1114596	20										

Instructions
Total days credits may be distributed at claim holder's choice. Enter number of days credits per claim in the expenditure days credit column (below).

Calculation of Expenditure Days Credits

Total Expenditures $ 300.00 ÷ 15 = Total Days Credits 20

Total Number of Mining Claims Covered by this Report of Work 2

Mining Claims (List in numerical sequence). If space is insufficient, attach schedules with required information

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.	Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.	Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.	Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
P	1029494	10									
P	1029495	10									

RECEIVED
JAN 1 1990
MINING LANDS SECTION

Total Number of Days Performed	Total Number of Days Claimed	Total Number of Days to be Claimed at a Future Date
20	20	0

Certification of Beneficial Interest *See Note No. 2 on reverse side

I hereby certify that, at the time the work was performed, the claims covered in this report of work were recorded in the current recorded holder's name or held under a beneficial interest by the current recorded holder.	Date	Recorded Holder or Agent (Signature)
	JAN 3, 1990	Robert G. Komarechka

Certification Verifying Report of Work

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 or witnessed same during and/or after its completion and the annexed report is true.

Name and Address of Person Certifying	Telephone No.	Date	Certified By (Signature)
Robert G Komarechka Apt #1 396 EVA AVE SUDBURY ONTARIO P3C 4N3	(705) 673-0873	JAN 3 1990	Robert G Komarechka

For Office Use Only

Total Days Cr. Recorded	Date Recorded	Mining Recorder
20	JAN. 8/90	S White
	Date Approved as Recorded	**Provincial Manager, Mining Lands**
	5 April 90	

Received Stamp: RECEIVED JAN 8 1990 MINING LANDS SECTION

RECORDED JAN - 8 1990

95

ATR (REGINA)

#3

Kian A. Jensen
Exploration and Consulting Services
P.O. BOX 37, SOUTH PORCUPINE, ONTARIO, . P0N 1H0
TELEPHONE: OFFICE (705) 268-0111, RESIDENCE (705) 235-2301

October 29, 1989

Mr. Louis Pouliot
c/o Mr. Gaetan Lavallee,
Roseval Silica Incorporated,
150 de brullon,
Boucherville, Quebec,
J4B 2J2

2.13004

Re: Geophysical Testing of Penhorwood Township
Silica Deposits

Geophysical Testing	$ 600.00
Total Amount Due	$ 600.00

Payment due 225 days
from date of report

Respectfully submitted,

Kian A. Jensen

Payment to: Kian A. Jensen
P.O. Box 37,
South Porcupine
Ontario
P0N 1H0

2.3969

REFERENCE

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
R1	400' RESERVE			S. R. O.	135537
R2	SEC. 43/70	W. 91/72	27/12/72	S. R. O.	163006 V.2
R3	SEC. 36/80		11/7/81	S. R. O.	135537

R4 ORDER OF THE MINISTER #33/87 DATED MARCH 30/87 WITHDRAWS MINING AND SURFACE RIGHTS UNDER SECTION 36 OF THE MINING ACT RSO 1980

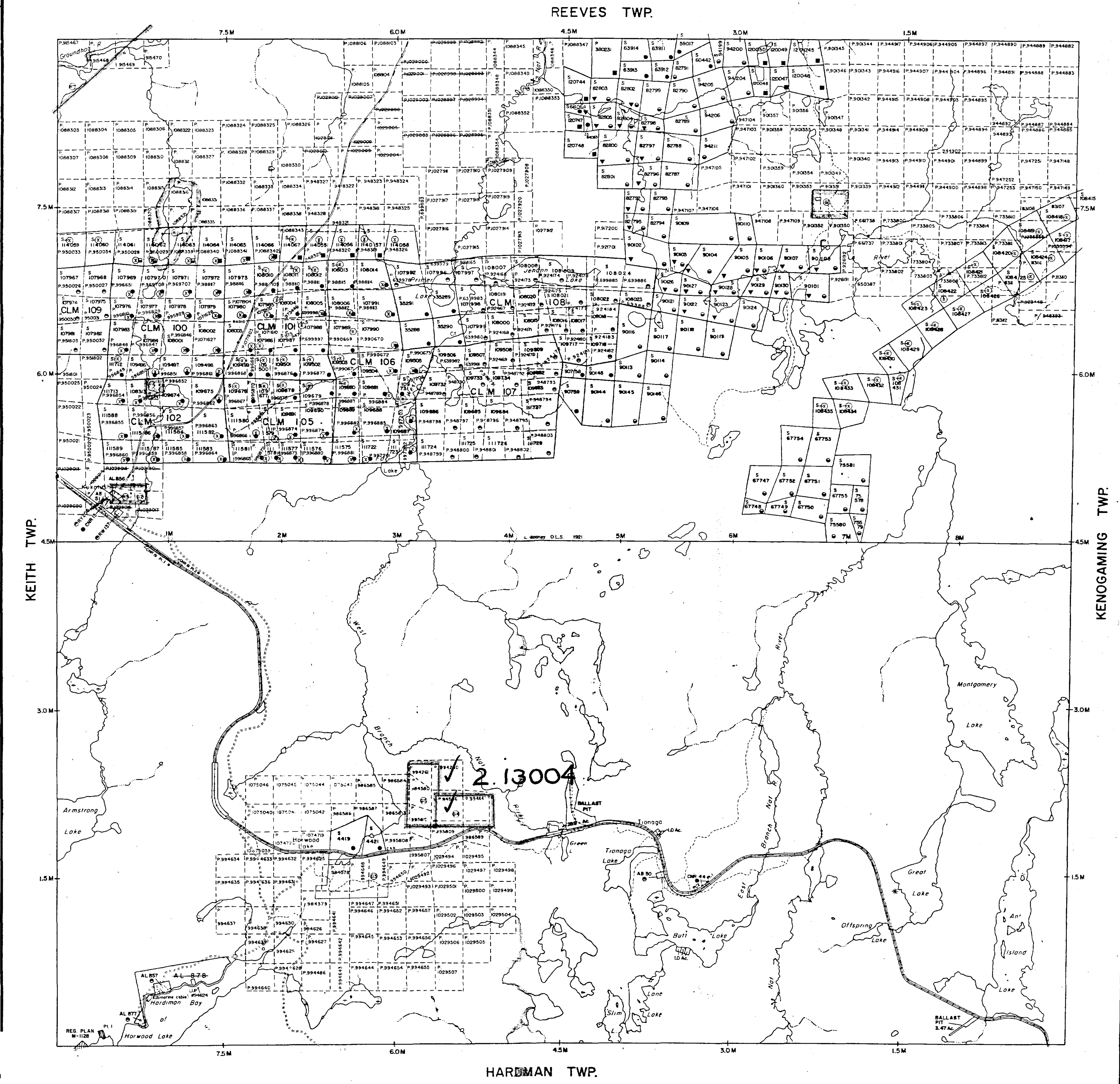
SAND AND GRAVEL

G1	GRAVEL	FILE	38729
G2	GRAVEL PIT	FILE	13555 V.6
G3	GRAVEL	FILE	106274

G4 QUARRY PERMIT #22805 ISSUED FOR THE REMOVAL OF THE QUARTZ JULY 1, 1987.

G5 QUARRY PERMIT # 22808 ISSUED FOR THE REMOVAL OF QUARTZ SEPT. 10, 1987.

⊗ CANCELLED PATENT AND LEASED CLAIMS



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	Ⓢ
LAND USE PERMIT	✳

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. 380, SEC. 63, SUBSEC 1.

SCALE: 1 INCH = 40 CHAINS

FEET 0 1000 2000 4000 6000 8000
METRES 0 200 1000 (1 KM) 2000 (2 KM)

RECEIVED MAR 22 1990

ACTIVATED JANUARY 30, 1990

TOWNSHIP

PENHORWOOD

M.N.R. ADMINISTRATIVE DISTRICT
CHAPLEAU
MINING DIVISION
PORCUPINE
LAND TITLES / REGISTRY DIVISION
SUDBURY

Ontario Ministry of Natural Resources – Land Management Branch

Date MARCH 1985

Number G-3244

42B01SE0008 2.13004 PENHORWOOD

200